UNDERGROUND INJECTION CONTROL (UIC) PERMIT APPLICATION PACKAGE CLASS 2 & 3

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone: (304) 926-0450

"Promoting a healthy environment"

Renewal Application
UIC Permit 2D0791452
Cabot #100 API 47-079-01452

INSTRUCTIONS/GUIDANCE TO COMPLETE A CLASS 2 and CLASS 3 UNDERGROUND INJECTION CONTROL (UIC) PERMIT APPLICATION

A. GENERAL INSTRUCTIONS

The Office of Oil and Gas (OOG) has developed a comprehensive permit package and instruction/guidance document to assist in the preparation of a UIC permit application. Where possible, standardized forms have been created and identified as Appendices to the UIC application package. **NOTE** the instruction/guidance document identifies additional requirements to be submitted with the application.

B. FEES

The application fee for a UIC permit is $500.00. There will be an additional $50.00 fee for a groundwater protection plan (GPP).

C. SUBMITTAL

Please submit an original and a complete copy of the UIC permit application package along with the application fee of $550.00 to:

West Virginia Department of Environmental Protection
Office of Oil and Gas
Underground Injection Control (UIC)
601 57th Street, SE
Charleston, WV 25304

CHECKLIST FOR FILING A UIC PERMIT APPLICATION

Please utilize this checklist to ensure you have prepared, completed, and enclosed all required documentation and payment to ensure a timely review of your submittal.

Operator	Cabot Oil & Gas Corporation		
Existing UIC Permit ID Number	2D0791452	UIC Well API Number	47-079-01452

Office of Oil and Gas Office Use Only	
Permit Reviewer	ZGS
Date Received	6/24/2014
Administratively Complete Date	6/24/2014
Approved Date	
Permit Issued	

Please check the fees and payment included.

Fees		Payment Type	
UIC Permit Fee: $500 ~~Submitted w/app. on 1/29/14~~	✓	Check	✓
Groundwater Protection Plan (GPP) Fee: $50.00	✓	Electronic	
		Other	

Please check the items completed and enclosed.

- ✓ Checklist
- ✓ UIC-1
  - ✓ Section 1 – Facility Information
  - ✓ Section 2 – Operator Information
  - ✓ Section 3 – Application Information
  - ✓ Section 4 – Applicant/Activity Request and Type
  - ✓ Section 5 – Brief description of the Nature of the Business
  - ✓ CERTIFICATION
- ✓ Section 6 – Construction
  - ✓ Appendix A Injection Well Form
  - ✓ Appendix B Storage Tank Inventory
- ✓ Section 7 – Area of Review
  - ✓ Appendix C Wells Within the Area of Review

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- [x] Appendix D Public Service District Affidavit
- [x] Appendix E Water Sources
- [x] Appendix F Area Permit Wells
- [x] Section 8 – Geological Data on Injection and Confining Zones
- [x] Section 9 – Operating Requirements / Data
  - [x] Appendix G Wells Serviced by Injection Well
- [x] Section 10 – Monitoring
- [x] Section 11 – Groundwater Protection Plan (GPP)
  - [x] Appendix H Groundwater Protection Plan (GPP)
- [x] Section 12 – Plugging and Abandonment
- [ ] Section 13 – Additional Bonding
- [x] Section 14 – Financial Responsibility
  - [x] Appendix I Financial Responsibility
- [x] Section 15 – Site Security Plan
  - [x] Appendix J Site Security for Commercial Wells
- [x] Section 16 – Additional Information
  - [x] Appendix K Other Permit Approvals

NOTE: For all 2D wells an additional bond in the amount of $5,000 is required.

Reviewed by (Print Name): Phillip L. Stalnaker

Reviewed by (Sign): Phillip L. Stalnaker

Date Reviewed: 6/19/14

UIC PERMIT APPLICATION CABOT #100

SECTION 1-5
UIC-1 FORM

UIC-1
(4/25)

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
601 57th Street, SE
Charleston, WV 25304
(304) 926-0450
www.dep.wv.gov/oil-and-gas

UNDERGROUND INJECTION CONTROL (UIC) PERMIT APPLICATION

UIC PERMIT ID # 2D0791452 API # 47-079-01452 WELL # Cabot #100

Section I. Facility Information

Facility Name: Cabot #100 Disposal Well

Address:

City: State: WV Zip:

County: Putnam

Location description:

From Charleston, WV drive west on I-64 for 14 miles to the Nitro, WV Interchange and exit the highway. Bear to the R and continue N of SR 25 for 0.8 miles to the intersection of SR 25 and 62 . Bear L and continue N on SR 62 for 5.4 miles to the intersection of R 62/1, at the entrance to Amherst Public Hunting & Fishing Area. Turn R onto 62/1 passing thru steel gate & the upper road & continue up the hollow for 1 mile to a fork in the road. Bear R at the fork and up Hedrick Branch 200' to access road on the L.

Location of well(s) or approximate center of field/project in UTM NAD 83 (meters):

Northing: 4,264,868.30 Easting: 426,940.98

Environmental Contact Information:

Name: Randy Spencer Title: EHS Manager

Phone: 304-545-2231 Email: randy.spencer@cabotog.com

Section 2. Operator Information

Operator Name: Cabot Oil & Gas Corporation

Operator ID: 04-3072771

Address: Five Penn Center West, Suite 401

City: Pittsburgh State: PA Zip: 15276

County: Allegheny

Contact Name: Whitney Johnson Contact Title: Superintendent Glasgow

Contact Phone: 304-595-5015 Contact Email: whitney.johnson@cabotog.com

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Section 3. Applicant Information

Ownership Status: ■ PRIVATE ☐ PUBLIC ☐ FEDERAL ☐ STATE
☐ OTHER (explain):

SIC code: ■ 1311 (2D, 2H, 2R) ☐ 1479 (3S) ☐ OTHER (explain):

Section 4. Applicant / Activity Request and Type:

A. Apply for a new UIC Permit: ☐ 2D ☐ 2H ☐ 2R ☐ 3S
B. Reissue existing UIC Permit: ■ 2D ☐ 2H ☐ 2R ☐ 3S
C. Modify existing UIC Permit: ☐ 2D ☐ 2H ☐ 2R ☐ 3S
(Submit only documentation pertaining to the modification request)

2D COMMERCIAL FACILITY: ☐ YES ■ NO

Section 5. Briefly describe the nature of business and the activities to be conducted:

Brine and other produced fluids from oil and gas wells operated by Cabot are transported to the facility. Any hydrocarbons that are present are separated from the brines, accumulated, and hauled off as product. Brines and other non hydrocarbon fluids are accumulated, filtered, and then injected into the disposal well.

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CERTIFICATION

All permit applications must be signed by a responsible corporate officer for a corporation, by a general partner for a partnership, by the proprietor of a sole proprietorship, or by a principal executive or ranking elected official for a public agency, or a [1]duly authorized representative in accordance with 47CSR13-13.11.b.

A. Name and title of person applying for permit:

Print Name: Phillip L. Stalnaker

Print Title: Vice President & Regional Manager

B. Signature and Date.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature: Phillip Stalnaker

Date: 6/19/14

[1] A person is a duly authorized representative if:

The authorization is made in writing by a person described in subdivision 47CSR13-13.11.a.

The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of the plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility.

The written authorization is submitted to the Director.

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UIC PERMIT APPLICATION CABOT #100

SECTION 6
CONSTRUCTION

Provided is a drawing of the UIC facility site plan, a detailed well schematic for the injection well, and a completed injection well form and inventory list for above ground storage tanks (Appendix A and B). Boring logs and seismic survey information are presented in Section 8.

APPENDIX A
Injection Well Form

1) GEOLOGIC TARGET FORMATION Big Injun

Depth 1,710 Feet (top) 1,756 Feet (bottom)

2) Estimated Depth of Completed Well, (or actual depth of existing well): 1,941 Feet

3) Approximate water strata depths: Fresh 50 Feet Salt 1,202 Feet

4) Approximate coal seam depths: None reported in offset wells

5) Is coal being mined in the area? Yes ☐ No ☑

6) Virgin reservoir pressure in target formation N/A psig Source

7) Estimated reservoir fracture pressure 2,486 (BHFP) 1,746 (Surface) psig (BHFP)

8) MAXIMUM PROPOSED INJECTION OPERATIONS:

Injection rate (bbl/hour) 120

Injection volume (bbl/day) 2880

Injection pressure (psig) 1571 psig

Bottom hole pressure (psig) 2311 psig

9) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES:

15% HCL acid may be used periodically to clean formation and perforations to re-establish injection rates, Produce fluids, pipeline fluid. Biocides and other additives are not routinely used but could be used occasionally

Temperature of injected fluid: (°F) ambient

10) FILTERS (IF ANY)

5 micron

11) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL

Monitor annular space fluid volume

APPENDIX A (cont.)

12. Casing and Tubing Program

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor							
Fresh Water							
Coal							
Intermediate 1	9 5/8"		LS	26	230'	230	CTS
Intermediate 2	7"		LS	19	1,912'	1,912'	CTS
Production							
Tubing	4 1/2"		M-60	10.5	1,657	1,657	on packer
Liners							

TYPE	Wellbore Diameter	Casing Size	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./sk)	Cement to Surface ? (Y or N)
Conductor							
Fresh Water							
Coal							
Intermediate 1							
Intermediate 2							
Production							
Tubing							
Liners							

PACKERS	Packer #1	Packer #2	Packer #3	Packer #4
Kind:	Baker AL2			
Sizes:	4 1/2 x 7			
Depths Set:	1,657'			

APPENDIX B
Storage Tank Inventory

API #	Tank ID	Tank Location (UTM NAD 83 Meters)		Installation Date	Tank Age (Months)	Construction Material (Steel, plastic, etc.)	Capacity (gallons)	Type of Fluid Stored	Volume of Fluid Stored (gallons)	Tank Type Single/Double Wall
		Northing	Easting							
47-079-01452	1	4264856.5	426943.5	1/2009	65	Steel	8,820	PPL	8,820	Single
47-079-01452	2	4264856.5	426943.5	1/2009	65	Steel	8,820	PPL	8,820	Single
47-079-01452	3	4264856.5	426943.5	1/2009	65	Steel	8,820	PPL	8,820	Single
47-079-01452	4	4264856.5	426943.5	1/2009	65	Steel	8,820	PPL	8,820	Single
47-079-01452	5	4264856.5	426943.5	1/2009	65	Steel	8,820	PPL	8,820	Single
47-079-01452	6	4264856.5	426943.5	1/2009	65	Steel	4,200	PPL	4,200	Single

UIC PERMIT APPLICATION CABOT #100

SECTION 7
AREA OF REVIEW

Provided is a map showing the ¼-mile and 1-mile radius around Cabot #100. A more detailed map showing just the ¼-mile radius of the AOR is also included. There are three gas wells located within ¼-mile of the Cabot #100 injection well - Well #2 (API 4707900408), Cabot #8 (API 4707901286), and Cabot #33 (API 4707901322). These wells are all operated by Cabot Oil and Gas. The well logs and abandonment report and presented in Section 8. The list of wells can be found in Appendix C.

Geophysical logs for these wells were only performed on the deeper pay zones and so cannot be used to determine freshwater depths. Based on drilling reports, the deepest freshwater was reported to occur between 552 fbg to over 900 fbg in the area. A map of the deepest fresh water is included in Section 8.

A representative of the public service district has provided a letter stating that there are no drinking water sources within a 1-mile radius of the facility. This letter is included after Appendix C.

Although there are no water wells, samples from creeks within a ¼-mile radius have been collected and analyzed. The analyses of these samples are provided in Appendix E. The complete lab reports are included in Section 11.

June 16, 2014

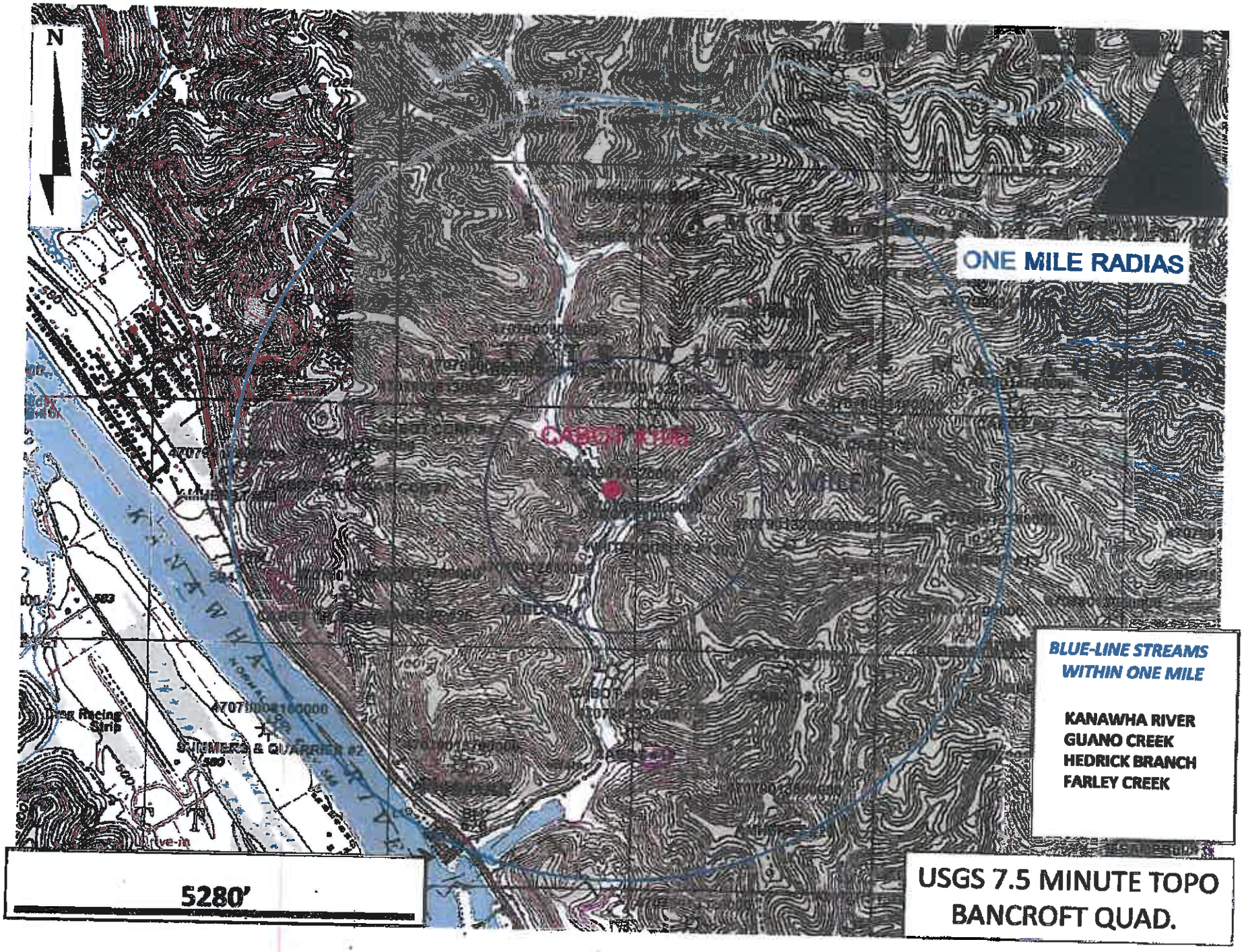
Underground Injection Control Permit applicants must identify all publically recorded drinking water sources within a one (1) mile radius of the proposed injection well facility. If no drinking water sources are present within this radius a written affidavit shall be supplied by the local authorities as ample verification.

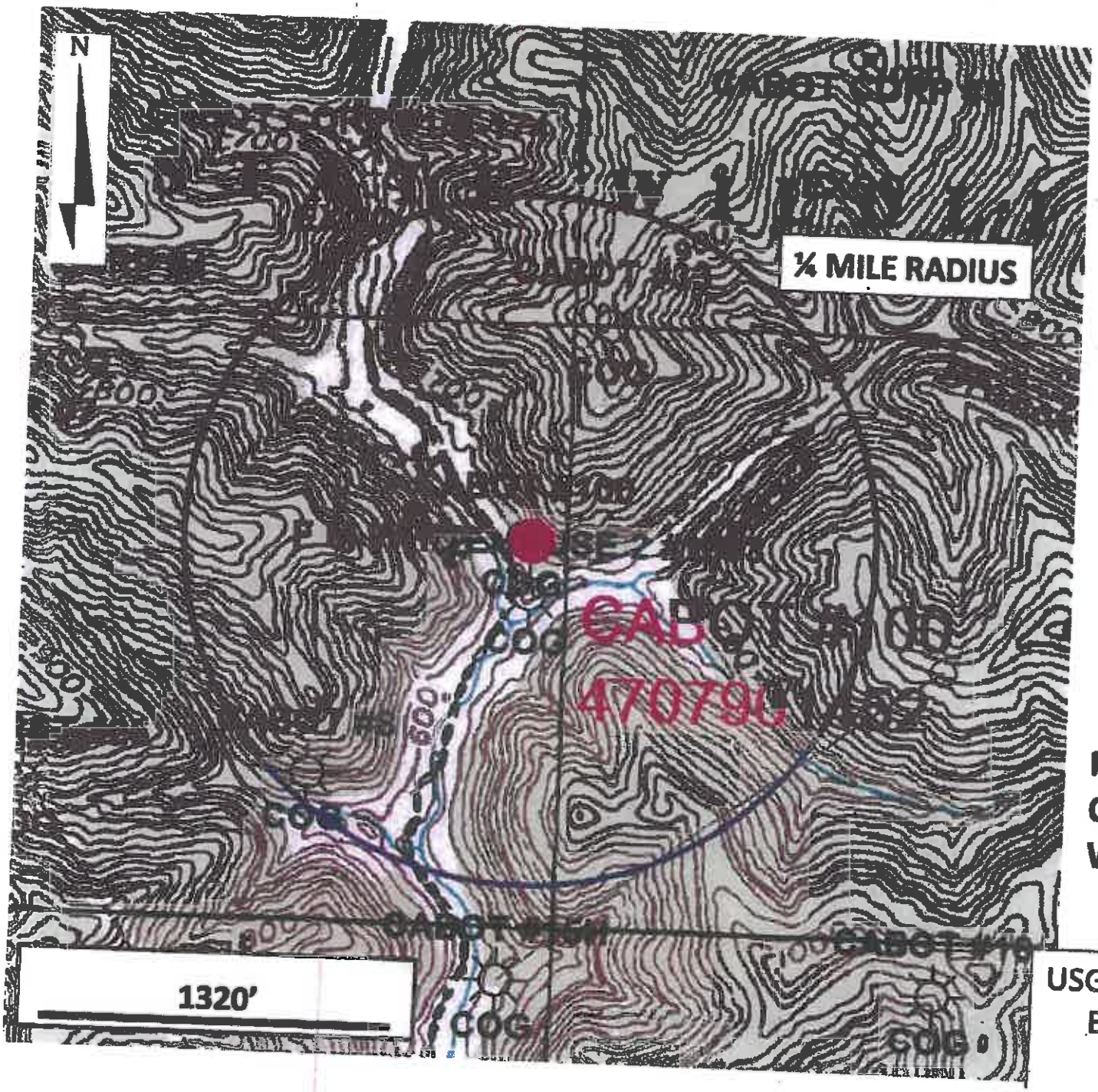
" I certify under penalty of law that **CABOT OIL & GAS CORPORATION** has verified with the appropriate local authorities **PUTNAM COUNTY BOARD OF HEALTH** that there are no such publically recorded sources."

Sincerely,

Keith Lyons

Keith Lyons,
Sanitarian


N
ONE MILE RADIAS
CABOT
BLUE-LINE STREAMS
WITHIN ONE MILE
KANAWHA RIVER
GUANO CREEK
HEDRICK BRANCH
FARLEY CREEK
5280'
USGS 7.5 MINUTE TOPO
BANCROFT QUAD.



NO WATER WELLS
OR HOMES
WITHIN ¼ MILE

USGS 7.5 MINUTE TOPO
BANCROFT QUAD.
¼ MILE RADIUS

APPENDIX C

Wells within the Area of Review

API #	Well Type	Well Status (Active, Abandoned, Shut-in, Plugged)	Northing (UTM NAD 83 Meters)	Easting (UTM NAD 83 Meters)	Penetrate Injection Zone (Y or N)	Penetrate Confining Zone (Y or N)	Total Vertical Depth	Surface Elevation
47079004080000	Gas	Abandon	4264730.16799157	427034.318617142	Y	Y	4208	611
47079012860000	Gas	Active	4264468.94462177	426595.62345752	Y	Y	4560	699
47079013220000	Gas	Active	4265222.56858959	427069.919315938	Y	Y	4383	995

Make as many copies as necessary and include page numbers as appropriate.

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APPENDIX E
Water Sources

Operator: Cabot Oil & Gas Corporation Year 2014 UIC Permit # 2D0791452

Water Source Name		Source # 1	Source # 2	Source # 3	Source # 4
Northing		Creek-1-1	Creek-4-1	Creek-6-1	Creek-7-1
Easting		4264709.80522001	4265039.18146264	4264799.28294727	4264691.4991507
Parameter	Units	426915.818450136	426735.522394487	427122.120345711	426893.616699544
TPH - GRO	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TPH - DRO	mg/L				
TPH - ORO	mg/L				
BTEX	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chloride	mg/L	8.8	6.1	8.6	7.3
Sodium	mg/L	6.81	6.91	8.86	7.92
Total Dissolved Solids (TDS)	mg/L	101	104	112	112
Aluminum	mg/L	< 0.1	0.433	0.28	0.162
Arsenic	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Barium	mg/L	0.0405	0.0381	0.0375	0.0402
Iron	mg/L	< 0.2	< 0.2	0.213	< 0.2
Manganese	mg/L	0.0406	0.0116	0.0095	0.0214
pH	SU	7.77	7.22	7.45	7.5
Calcium	mg/L	22.1	21.7	23.8	24.3
Sulfate	mg/L	20.4	18.9	20.7	18.5
MBAS	mg/L	0.21	< 0.12	< 0.12	< 0.12
Dissolved Methane	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dissolved Ethane	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dissolved Butane	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Dissolved Propane	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Bacteria (Total Coliform)	c/100mL	> 200.5	> 200.5	> 200.5	> 200.5

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UIC PERMIT APPLICATION CABOT #100

SECTION 8
GEOLOGICAL DATA ON THE INJECTION AND CONFINING ZONE

Included is a detailed geologic investigation of subsurface features in the vicinity of the injection well.

SECTION 8 - CABOT #100
GEOLOGICAL DATA ON THE INJECTION AND CONFINING ZONES

Surrounding Topography and Geology

According to the USGS 7.5 Minute Topographical map (Figure 1), the facility lies in the Kanawha River basin which is part of the maturely dissected unglaciated Appalachian Plateau which consists of steep-sided valleys and narrow winding ridges. The facility is located at an elevation of 641.52 feet above sea level, up gradient and over 500 feet from the confluence of the Hedrick Branch of Guano Creek and the Guano Creek. The creek flows a mile downstream to the town of Plymouth where it joins with the Kanawha River. According to the attached Geology Map of West Virginia (Figure 2), the bedrock located below the facility is defined as part of the Monongahela Group from the Pennsylvanian age. It is a non-marine cyclic sequence of sandstone siltstones, red and gray shale and limestone.

Geologic Data

As shown in the lithologic column (Figure 3) and the annotated electric logs (Figure 4), the brine water is re-injected into the Big Injun Sandstone which is a coarse-grained sandstone consisting of cross bedded quartzose sandstone. The confining units which prevent migration of the injection fluids are defined as the Keener Shale lying conformably above and the Weir Shale lying conformably below the Big Injun Sandstone. The Keener Shale is composed of siltstone and shales and has less than 1% porosity. Overlying the Keener Shale is the Big Lime (Greenbrier Limestone) composed of calcite, aragonite, and dolomite. At the base of the Big Lime is a dolomitic mudstone with little to no porosity present. As shown in the lithologic column with the wellbore, the wellbore is cemented to surface from a depth of 1,912 feet and perforations are present in the Big Injun Sandstone from 1,715-1,745 feet below ground (fbg).

Porosity, Thickness and Structure of the Big Injun Sandstone

Primary porosity in the Big Injun Sandstone is depositional as well as intergranular because of the angular nature of the sand grains. According to the attached Volumetric Calculation Sheet (Figure 5) for the Big Injun Sandstone, porosity percentage in the formation averages around 20%. The Big Injun Sandstone thickness is reported to be over 40 feet thick in the Cabot #100 Injection well. According to the attached Isopach map (Figure 6), the surrounding wells have a thickness of between 40-50 feet, with the thickness not varying greatly locally or regionally. The structure map contouring the top of the Big Injun Sandstone (Figure 7) depicts the formation as mostly flat lying, with a slight dip to the northeast. The seismic line (Figure 8), crossing the well from north to south, also depicts the Big Injun Sandstone as being flat lying with no noticeable faulting present. In addition, there is no noticeable regional faults noticeable cross-cutting the Injun Formation or any additional faults present in the overlying or underlying formations. Again, the seismic line depicts the Injun Sandstone dipping shallowly to the north. The generated Seismic base map (Figure 9) also depicts the Big Injun Sandstone dipping to the northeast with no noticeable faulting present. Based on the known structural orientation of the Big Injun Sandstone, the injected brine fluid is predicted to migrate overtime through the unit down dip in a northeastern direction. Because of the low porosity in the capping formation, the injected brine water is interpreted to remain in the Big Injun Sandstone and migrate laterally through the formation.

Offset Natural Gas Wells

There are over 20 natural gas wells within a mile of Cabot #100 (See Figure 10). Most wells are owned and operated by Cabot Oil and Gas, with a couple owned by Amherst Industries, Inc. Total Depths (TD) of the wells range from 3,910 fbg to 6,818 fbg. The wells were permitted from 1949 to 2007.

There are three gas wells located within ¼-mile of the Cabot #100 injection well. These wells are all operated by Cabot Oil and Gas. Well #2 (API 4707900408) (Figure 11) was plugged in 1985 and is no longer in operation (the plugging report to the state is included). Cabot #8 (API 4707901286) (Figure 12) was completed in 2005 and perforated in the Berea Sandstone from 2,256-2,270 bgs and the Devonian Shale from 3,468 – 4,511 bgs. Freshwater depth was reported at 51 fbg and with salt water depths reported at 555, 1,365, and 1,420 fbg. Cabot #33 (API 4707901322) (Figure 13) was completed in 2006 and perforated in the Huron Shale from 3,771-4,230 fbg. Freshwater depth was reported at 142 fbg and with salt water depths reported at 855, 1,730, and 1,750 fbg.

Deepest Freshwater Encountered

Electric logs were only run over the deeper pay zone, and therefore, there is no data over the upper freshwater zones in the wellbore. According to the driller's log (Figure 14), during drilling of the Cabot #100, brackish water was encountered at 490, transitioning to salt water through the following depths of 801, 1,365, and 1,416 bgs. Based on surrounding well data, with some dating back to the 1940s, a structure map (Figure 15) has been created showing the deepest reported freshwater encountered. The offset wells indicate that the deepest freshwater was reported to occur between 552 mean sea level (msl) to over 900 msl. Based on the structure map attached, the Cabot #100 well encounters the deepest freshwater at around 600 msl or approximately 50 fbg. Wells to the east and west encounter groundwater closer to 800 msl, and wells to the north and south are along a similar strike as the Cabot #100 well and therefore encounter groundwater at a similar depth, around 600 msl.

Residential Water Wells

Currently, the groundwater is not monitored at the facility. There are no known drinking water wells within a mile of the facility. Residences in the area are supplied their water from the Putnam Public Service District. The water from the Putnam Public Service District is drawn out of shallow groundwater wells along the Kanawha River. According to the publication *Groundwater in Mason and Putnam Counties, West Virginia* prepared by Benton M. Wilmoth in 1966, there were eight observation groundwater wells within a 5 mile radius of the Cabot #100 injection well. The wells were all owned by private landowners and drilled in the 1950s with well depths averaging 90 feet and water level depths reported at around 60 fbg. It is unknown if these wells are still active.

Brine Composition

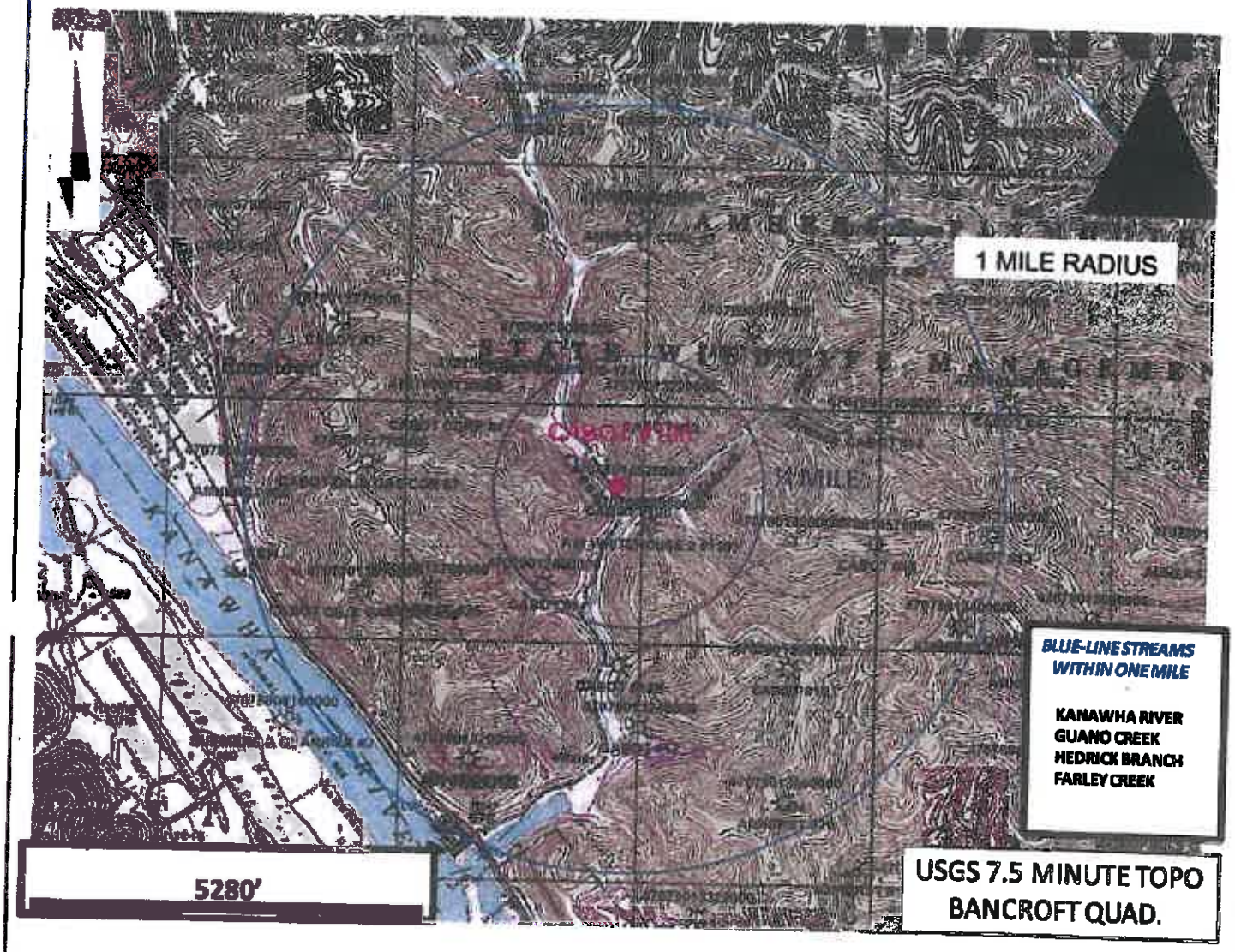
Natural Brine is produced from wells tapping into the Salt Sandstones of the Pottsville Group, Pennsylvanian age, the Big Injun Sandstone of the Pocono Formation, Mississippian age and the lower Devonian shale (see Figure 1). The injection fluid composition is found in Figure 16. Because the brine is pulled from the formation it is being re-injected into, there are no issues with the compatibility.

Regional Seismic Activity

Attached is a regional map of recent (1973-present) (Figure 17) seismic activity in West Virginia, sourced from the USGS Hazards Program. According to the map, there has been no seismic activity in the area since at least 1973, and the closest seismic activity was shallow activity (0-89km) occurring over 43 miles to the west.

Figures

Figure 1 – Topographical Map
Figure 2 – Geology Map of West Virginia
Figure 3 – Lithologic Column with well completion data
Figure 4 – Annotated Electric Logs
Figure 5 – Volumetric Calculation Sheet for Big Injun Sandstone
Figure 6 – Thickness Isopach Map for the Big Injun Sandstone
Figure 7 – Structure contour map of top of Big Injun Sandstone
Figure 8 – Seismic Line
Figure 9 – Seismic base map of the top of the Big Injun Sandstone
Figure 10 – List of wells located within 1 mile of Cabot #100
Figure 11 - 13 – Wells located within ¼ mile of Cabot #100
Figure 14 – Driller's Log for Cabot #100
Figure 15 – Structure map, deepest groundwater encountered
Figure 16 – Injection Fluid Composition
Figure 17 – Seismic Activity in West Virginia



CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

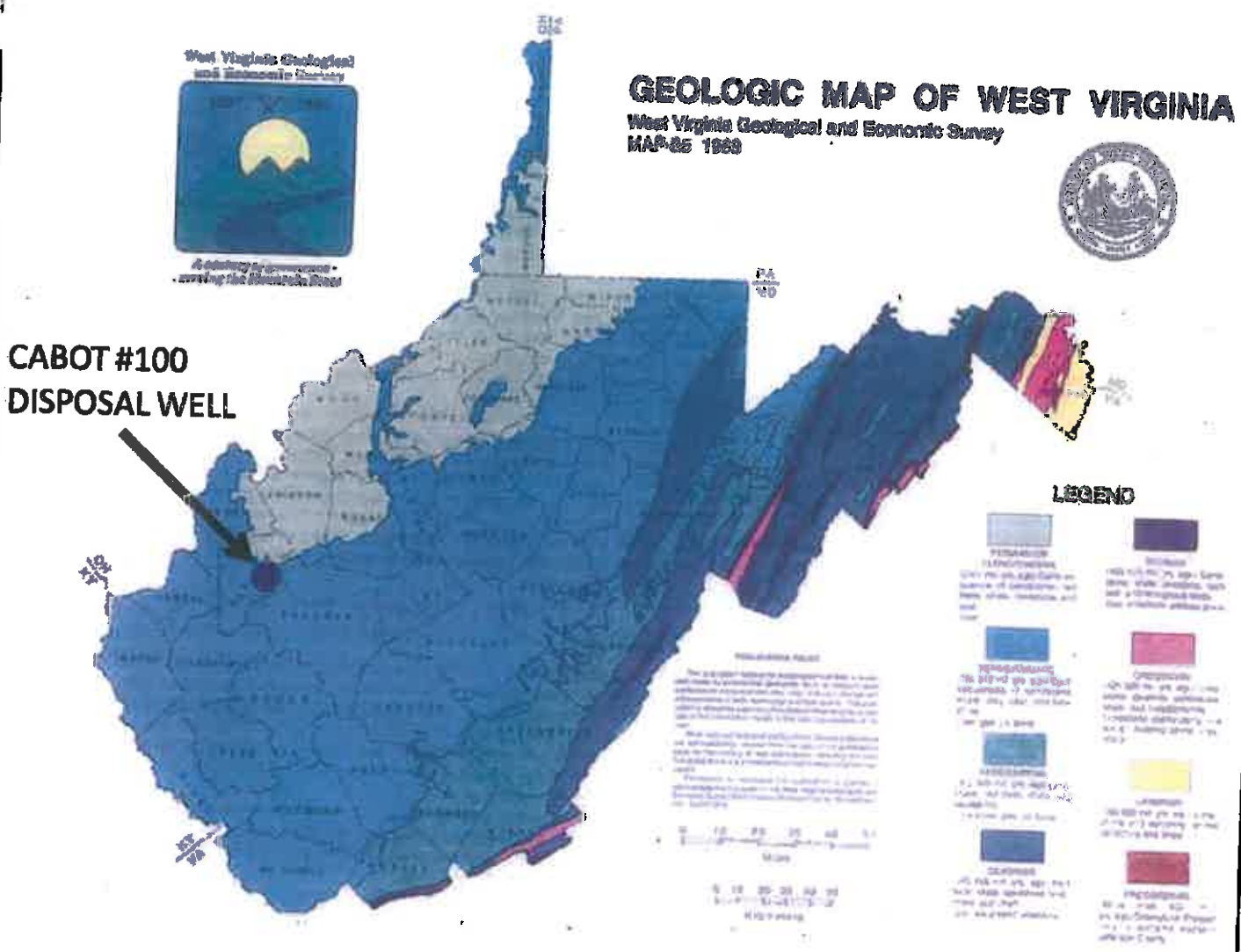
Drawing

TOPOGRAPHICAL MAP

Date	June 5, 2014	Scale	as shown
File Name	F1_Topo map	Project No.	116.00400.00109

Fig. No. 1

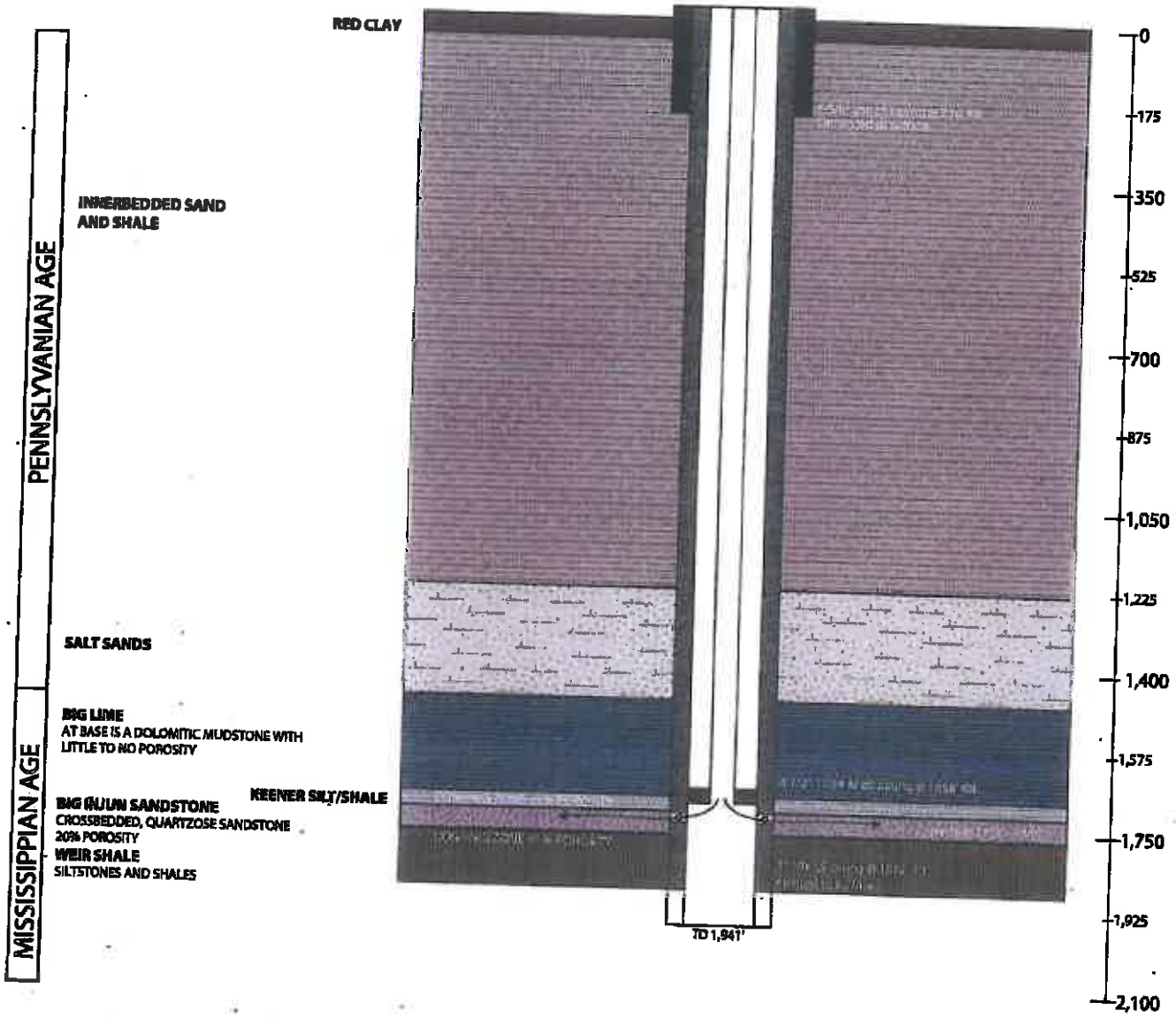
SLR



http://www.wvgs.wvnet.edu/www/geology/geolgeom.htm

CABOT #100 INJECTION WELL	
Report: UIC PERMIT APPLICATION	
Drawing: GEOLOGICAL MAP OF WEST VIRGINIA	
Date: June 5, 2014	Scale: as shown
File Name: F2_Geology map	Project No.: 116.00400.00103
Fig. No. 2	

SLR



CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

Drawing LITHOLOGIC COLUMN WITH WELL COMPLETION DATA

Date	June 5, 2014	Scale	as shown	Fig. No. 3
File Name	F3_Lithologic column	Project No.	116.00400.00109	

SLR

GREENBRIER LIMESTONE (BIG LIME)
COMPOSED OF CALCITE, ARAGONITE AND DOLOMITE
MARINE ORIGIN
CONFINING ZONE/ 1.2% POR. AT BASE OF FORMATION. INTERBEDDED SECTION OF TIGHT LIMESTONE AND DOLOMITE WITH NO POR.

KEENER SILTSTONE OR SHALE
COMPOSED OF SILTSONE/SHALE
FLUVIAL-DELTAIC ORIGIN
CONFINING ZONE/ < 1% POR.

BIG INJUN SANDSTONE (PRICE FORMATION)
COMPOSED OF SANDSTONE/SHALE
FLUVIAL-DELTAIC ORIGIN
COARSE GRAINED QUARTZ SANDSTONE WITH QUARTZ CEMENTS
46 FEET GROSS THICKNESS
AVERGE POR. 20%, PRIMARY
WATER SATURATION 80%
NO PERM. DATA AVAILABLE

WEIR SHALE/POCONO
COMPOSED OF SILTSTONE/SHALE
FLUVIAL-DELTAIC ORIGIN
VERY FINE GRAINED
CONFINING ZONE/ < 1% POR.

SLR

CABOT #100 INJECTION WELL	
Report: UIC PERMIT APPLICATION	
Drawing: ANNOTATED ELECTRIC LOGS	
Date: June 5, 2014	Scale: as shown
File Name: F4_electric logs	Project No. 116.00400.00103
Fig. No. 4	

WELL NAME=	CABOT 100					
ZONE=	INJUN				Drilling (1=AIR,2=FLUID) Medium=	2
Rw =	0.05	Pi=	774			
Rho(g) =	2.68	Zi=	0.9021	<=[CTRL I]	Factor=	1
POR. LIM.=	0.04	Pa=	65		N.R.I.=	0.83333
Sw LIM.=	0.6	Za=	0.9916	<=[CTRL A]	S.G.=	0.59
Acres=	80	Temp.=	92			

—DEPTH—			FT.	Rho(b)	R(t)	POR.	Sw	FT. PAY	PHI * H	SW * H
1712	-	1714	2	2.350	2	0.196	0.805			
1714	-	1720	6	2.320	2	0.214	0.738			
1720	-	1722	2	2.280	2	0.238	0.664			
1722	-	1728	6	2.340	2	0.202	0.781			
1728	-	1732	4	2.320	2	0.214	0.738			
1732	-	1734	2	2.350	2	0.196	0.805			
1734	-	1736	2	2.310	2	0.220	0.718			
1736	-	1738	2	2.350	2	0.196	0.805			
1738	-	1740	2	2.450	2	0.137	1.155			
TOTALS			28			0.202	0.801	0.0	0.000	0.000

CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

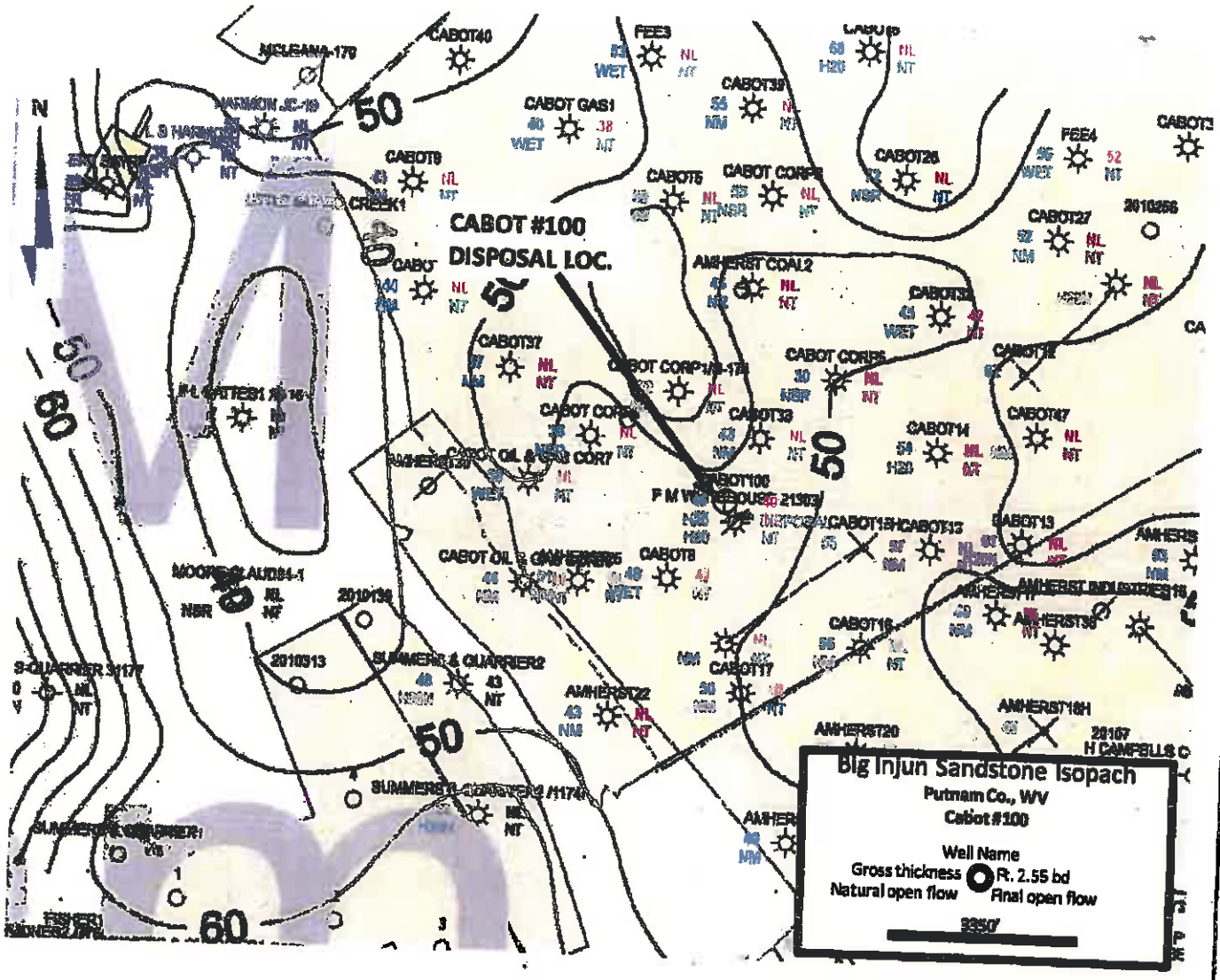
Drawing

VOLUMETRIC CALCULATION SHEET FOR BIG INJUN SANDSTONE

Date	June 5, 2014	Scale	as shown
File Name	F5_vol calc	Project No.	116.00400.00109

Fig. No. 5

SLR



CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

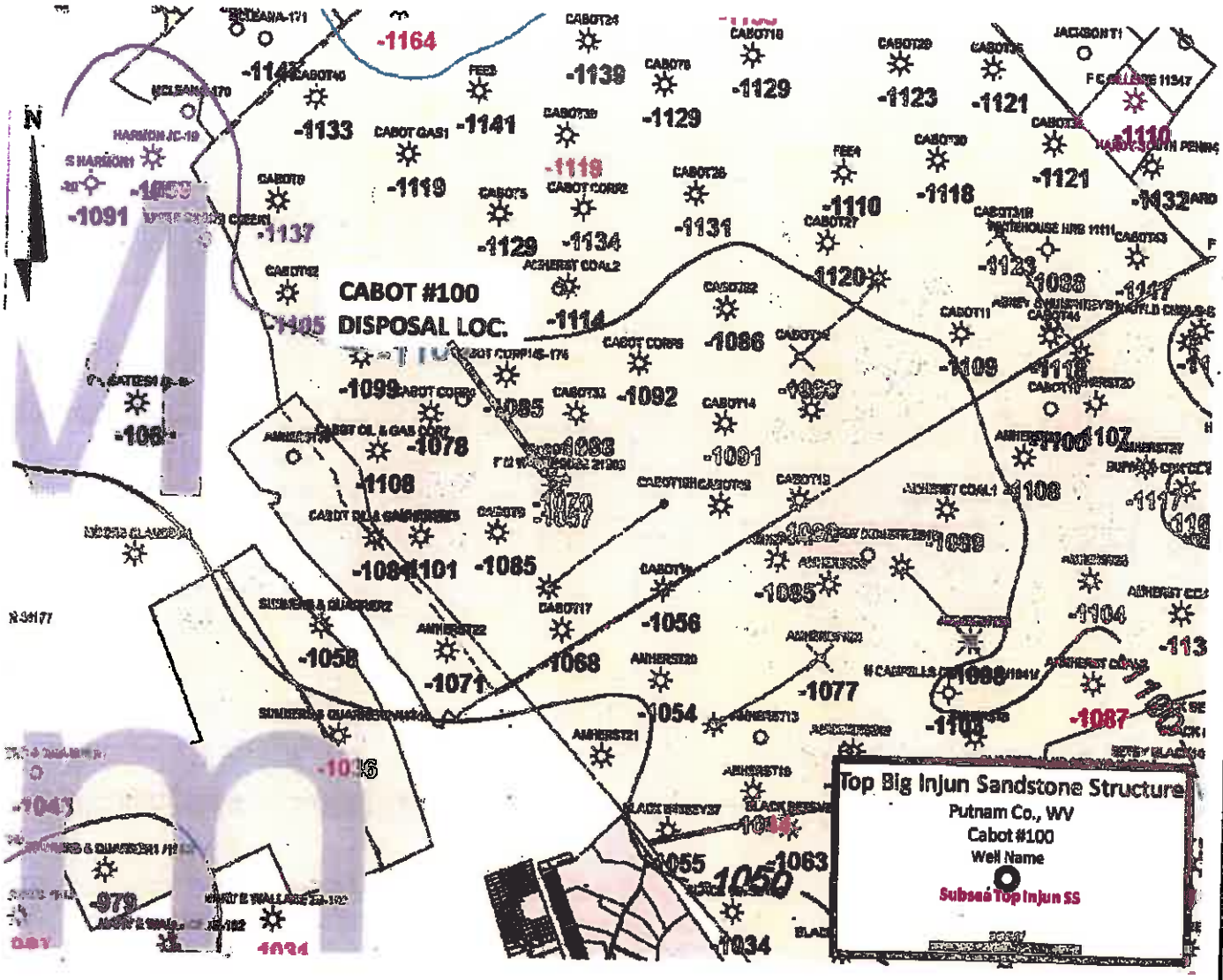
Drawing

UNIT THICKNESS ISOPACH MAP FOR THE BIG INJUN SANDSTONE

Date	June 6, 2014	Scale	as shown
File Name	F6_Isopach thickness	Project No.	116.00400.00103

Fig. No. 6

SLR



CABOT #100 INJECTION WELL

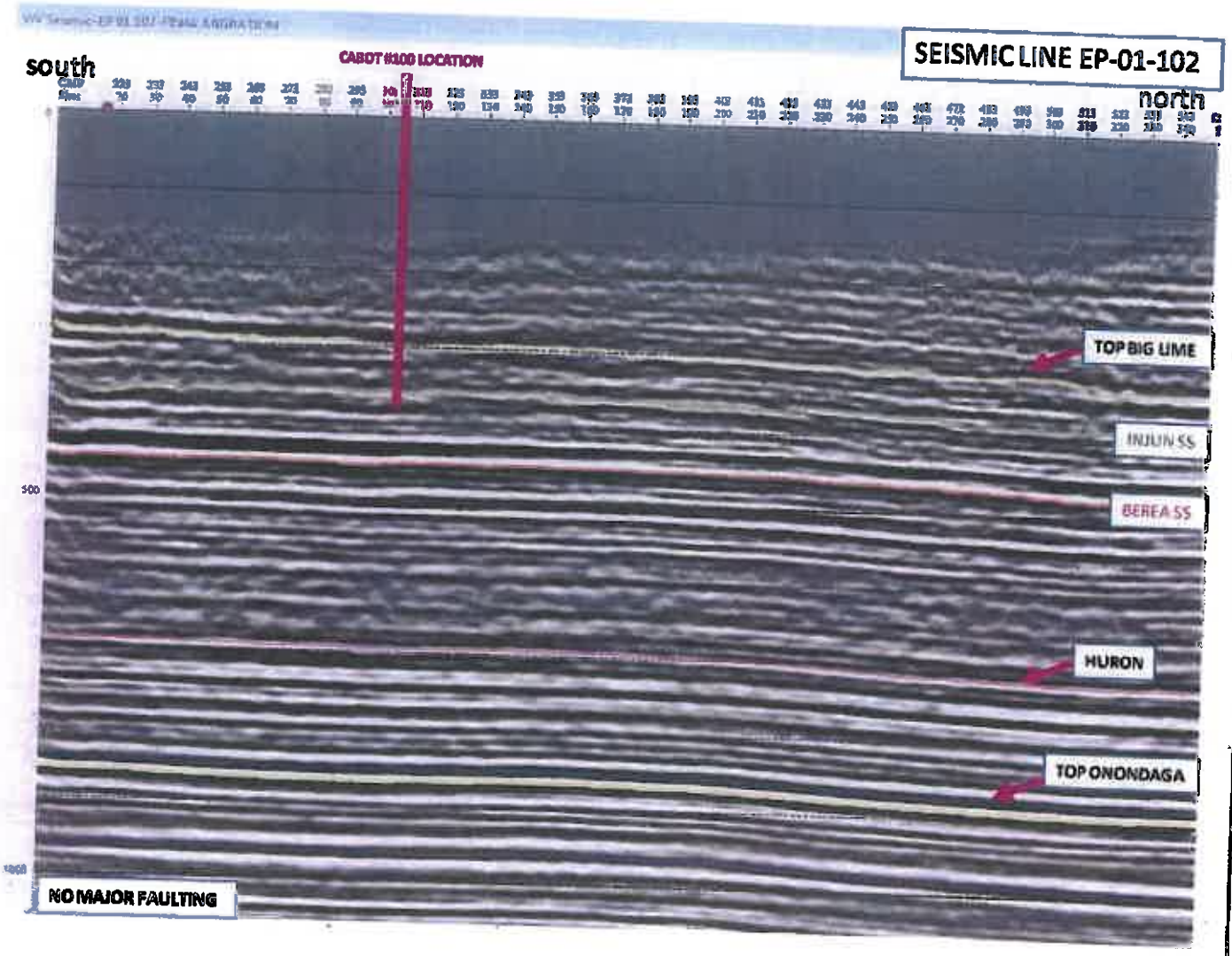
Report

UIC PERMIT APPLICATION

Drawing STRUCTURE CONTOUR MAP FOR THE BIG INJUN SANDSTONE

Date	June 5, 2014	Scale	as shown	Fig. No. 7
File Name	F7_STRUCTURE	Project No.	116.00400.00103	

SLR



CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

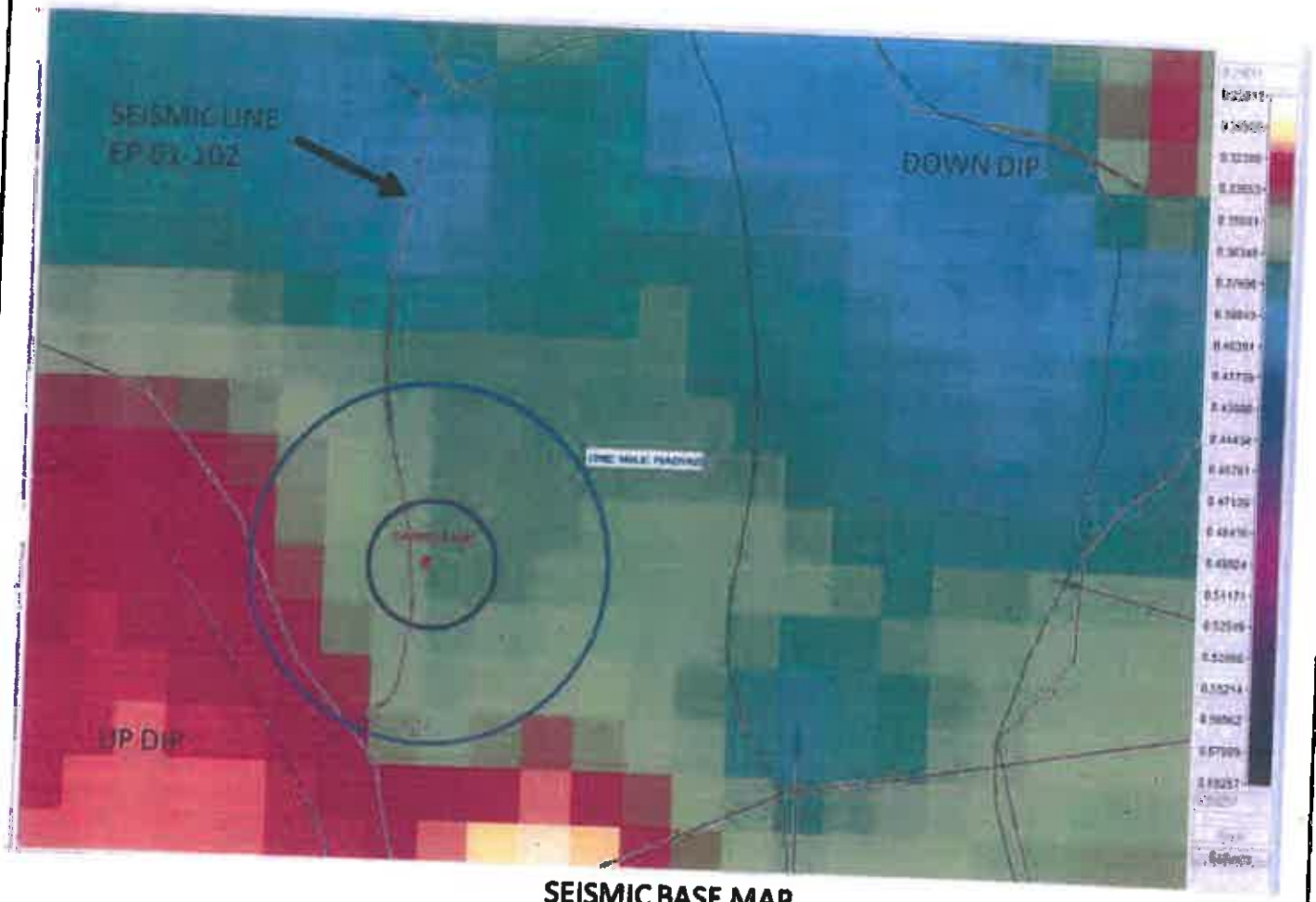
Drawing

SEISMIC LINE

Date	June 5, 2014	Scale	as shown
File Name	F8_Seismic line	Project No.	116.00400.00103

Fig. No. 8

SLR



SEISMIC BASE MAP
TOP INJUN TIME GENERATED FROM 2D SEISMIC LINES
NO FAULTS FOUND WITHIN SHALLOW SECTION

CABOT #100 INJECTION WELL	
Report: UIC PERMIT APPLICATION	
Drawing: SEISMIC BASE MAP OF THE TOP OF THE BIG INJUN SANDSTONE	
Date: June 5, 2014	Scale: as shown
File Name: F9_base map	Project No. 116.00400.00103
Fig. No. 9	

SLR

API NUMBER	OPERATOR	WELL NAME	WELL NUMBER	LAT.	LONG	STATUS	TD	DATUM	REFERENCE	OWNR	PRI @ TD	FW DEPTHS	PERMIT DATE	SPUD DATE	COMP. DATE
4707900050000	CDG	F.M WHITEHOUSE 2	1963	38.52725	-81.8271[illegible]	GAS/OB	4200	611[illegible]		BANCROFT	RNSR		5/1/1949	5/25/1949	7/21/1949
4707900050000	EXCO	CABOT CORP	1/3-174	38.5245	-81.8218[illegible]	GAS	3910	82[illegible]		BANCROFT	DVWND		10/1/1975	10/24/1975	10/31/1975
4707900110000	EXCO	AMHERST COAL	2	38.52950	-81.8270[illegible]	GAS	3865	66[illegible]		BANCROFT	DVWND		2/1/1976	3/5/1976	3/13/1976	
4707900120000	EXCO	CABOT CORP	4	38.52228	-81.8471[illegible]	GAS	3892	72[illegible]		BANCROFT	DVWND		3/1/1976	4/3/1976	4/9/1976
4707900140000	EXCO	CABOT CORP	5	38.51535	-81.8221[illegible]	GAS	4234	92[illegible]		BANCROFT	DVWND		4/1/1976	5/18/1976	4/28/1976
4707901277000	CDG	CABOT OIL & GAS COR	7	38.5[illegible]	-81.8507[illegible]	GAS	4476	101[illegible]		BANCROFT	DVWNH		9/1/2001	9/8/2001	11/11/2001
4707901310000	CDG	CABOT	12	38.52792	-81.8309[illegible]	GAS	4985	102[illegible]		BANCROFT	ONDG	957	12/1/2005	4/1/2006	6/27/2006
4707901100000	CDG	CABOT	14	38.52315	-81.8298[illegible]	GAS	4896	81[illegible]		BANCROFT	ONDG		12/1/2005	4/6/2006	5/8/2006
4707901310000	CDG	CABOT	15H	38.52765	-81.8301[illegible]	GAS	5110	95[illegible]		BANCROFT	1UNWL		12/1/2005	4/13/2006	5/3/2006
4707901310001	CDG	CABOT	32	38.52850	-81.8268[illegible]	GAS	4867	89[illegible]		BANCROFT	ONDG		12/1/2005	2/6/2006	3/13/2006
4707901320000	CDG	CABOT	33	38.52850	-81.8268[illegible]	GAS	4857	69[illegible]		BANCROFT	ONDG		1/1/2006	2/8/2006	4/14/2006
4707901340000	CDG	CABOT	37	38.52267	-81.8367[illegible]	GAS	4813	84[illegible]		BANCROFT	ANOL		12/1/2005	2/22/2006	3/22/2006
4707901340000	CDG	AMHERST	37	38.52924	-81.8372[illegible]	GAS	4447	69[illegible]		BANCROFT	MRCL	470	2/1/2006	7/19/2007	8/19/2007
4707901310000	CDG	CABOT OIL & GAS COR	38	38.52500	-81.8310[illegible]	GAS	4870	104[illegible]		BANCROFT	MRCL	1095	4/1/2006	3/23/2007	5/24/2007
4707901300000	CDG	AMHERST	39	38.52500	-81.8310[illegible]	GAS	4830	101[illegible]		BANCROFT	DVWNH	1288	9/1/2006	6/2/2007	6/25/2007
4707901340000	CDG	CABOT	40	38.51734	-81.8267[illegible]	GAS	4620	108[illegible]		BANCROFT	DVWNH	545	9/1/2006	1/30/2007	2/27/2007
4707901370000	CDG	AMHERST	41	38.52262	-81.8[illegible]	GAS	4777	85[illegible]		BANCROFT	MRCL	789	9/1/2006	2/19/2007	3/9/2007
4707901370000	CDG	AMHERST	42	38.51826	-81.8[illegible]	GAS	4607	83[illegible]		BANCROFT	MRCL		9/1/2006	6/11/2007	7/16/2007
4707901370000	CDG	AMHERST	43	38.52218	-81.8475[illegible]	GAS	4628	79[illegible]		BANCROFT	MRCL		10/1/2006	6/20/2007	7/29/2007
4707903277000	CDG	CABOT	57	38.51535	-81.8522[illegible]	GAS	4778	108[illegible]		BANCROFT	DVWNH	870	10/1/2006	5/20/2007	7/3/2007
4707901470000	CDG	CABOT	49	38.51747	-81.826[illegible]	GAS	4941	95[illegible]		BANCROFT	ONDG		12/1/2007	2/7/2008	4/13/2008

CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

Drawing

LIST OF WELLS LOCATED WITHIN A MILE OF CABOT #100

Date	June 5, 2014	Scale	as shown
File Name	F10_mile location	Project No.	116.00400.00103

Fig. No 10

SLR

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Pub 496
Winfield Gr-a.
Company
Address
Farm
Well No.
District
Commenced
Completed
Date shot

Open Flow
Volume
Rock Pressure
Water

S. Water

Gas Well
CASING & TUBING

Godfrey L. Cabot, Inc.
Charlestown, W.Va.
F.H. Whitehouse Heirs
2 serial 1938 Elev. 892 ft
Pocatalico Putnam County
May 28,1940
July 28,1940
Jan. 8,1942 Depth 3663 to 3640 13"x 13" casing shoe
with 12500# Sale B.H. 35 MCF on 10" half coupling
63 Min. AS 133 MCF
63 Min. E.F. 13/16ths x 8" orifice
138 MCF
885 Hrs. 72 hrs. Brown Shale
54 H.P.; 633 3 Mins per hr.
687 Bbls. per hr.
1864 H.P.; 1862 H.P.

Gas Well
CASING & TUBING

15	14	10
28	14	Legs
10	7	7/8
8 5/8	2.32	800
7	2.32	1781

OPEN HOLE
8 5/8 x 10 B.H.Packer
7 x 5 5/8 B.H.Packer
Not fired
PRODUCING SAND RECORD
Brown Shale 3663 to 3640
35 MCF

Gravel	0	8
Red Rock	21	30
Slate	30	70
Red Rock	70	120
Slate	120	130
Slate & Shells	130	170
Red Rock	170	194
Slate	194	260
Sand	260	270
Slate & Shells	270	290
Red Rock	290	340
Slate & Shells	340	370
Sand	370	395
Slate & Shells	395	400
Sand	400	435
Slate & Shells	435	477
Sand	477	765
Slate Shells	765	825
Sand	825	915
Slate & Shells	915	1052
Sand	1052	1130
Slate Shells	1130	1190
Sand Salt	1190	1454
Slate	1454	1445
Big Lime	1445	1488
Injun Sand	1488	1735
Weir Shells	1735	1748
Sand	1748	1763
Slate Shells	1763	2149 2150 2192
Berea	2149	2150
Slate Shells	2150	3450
Brown Shale	3450	3480 GAS 3447
Slate Shells	3480	3530
Brown Shale	3530	3558
Slate Shells	3558	3577
Brown Shale	3577	3708
White Slate	3708	3728
Brown Shale	3728	3848
Slate	3848	3932
Gray Shale	3932	4074
Slate	4074	4125
Brown Shale	4125	4208
Total depth	4208	4208

Gas 1884 show
Gas 3650 47 MCF
Gas 3771-3788 54 MCF

FORM IV-35
(Affidavit of Plugging)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
OCT 2 4 1985
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE TYPED IN TRIPLICATE, one copy mailed to the DIRECTOR OF OIL & GAS to be retained by the Well Operator and the third copy (and extra copies if desired) should be mailed to each coal operator at their respective addresses.

Arbrook Industries, Inc.
Coal Operator or Owner
Post Bakerstown, Charleston, WV 25306
Address

Coal Operator or Owner
Address

Bakerstown Industries, Inc.
Lessor or Property Owner
Post Bakerstown, Charleston, WV 25306
Address

Cabot Oil & Gas Corp. of WV
Name of Well Operator
P.O. Box 494, Glenville, WV 26351
Complete Address

October 17, 19 85
WELL AND LOCATION

Pocatalico District
Putnam County
WELL NO. #2
Whitehouse Heirs Farm

STATE INSPECTOR SUPERVISING PLUGGING Charles Bundy

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha ss:

William Shores (Shores's Well Ser.) and C. E. McClure being first duly sworn according to law deposes and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Cabot Oil & Gas Corp. of WV, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of September, 19 85, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing Left in Well	Casing Pulled Out
1900 - 1850	Class A cement	Cut 7" casing	1836	35
1850 - 1800	6% Gel			
1800 - 1750	Class A cement	Pulled 10" casing	775	
1750 - 700	6% Gel			
700 - 650	Class A cement	Cut 13" casing		141
650 - 450	6% Gel	8 100' Iron cement		
450 - 300	Class A cement	rock bolt.		
300 - 100	6% Gel			
100 to surface	Class A cement	16" casing		31

NOTE: Open hole backed 8 1970'.
NOTE: 8-5/8" casing indicated on permit application was shown in error. Hole was previously pulled.

Bottom cemented 13" casing and filled from 100' to surface.

Coal Seams N/A

(Name)	
(Name)	
(Name)	
(Name)	

Description of Monument
7" casing monument w/WVX number

and that the work of plugging and filling said well was completed on the 24 day of September, 19 85.

And further deponents saith not.

C E McClure
William A. Shores

Sworn to and subscribed before me this 17 day of October, 19 85.

Dolores Raye Gill
Notary Public

My commission expires:
June 12, 1991

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
DOLORES RAYE GILL
Route 1 Box 1 Ward Road
Sissonville, WV 25320
My Commission Expires June 12, 1991

Permit No. 47-079-0408 P

CABOT #100 INJECTION WELL

Report
UIC PERMIT APPLICATION

Drawing
WELL #2- WITHIN 1/4 MILE OF CABOT #100

Date June 5, 2014	Scale as shown	Fig. No. 11
File Name F11_well #2	Project No. 116.00409.00103	

SLR

WR-35

Date March 17, 2000
API # 47- 079 - 07285

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Ambrosi Industries, Inc. Operator Well No.: Cabot #8

LOCATION: Elevation: 929' Quadrangle: Bancroft
District: Union County: Putnam
Latitude: 5980' feet South of 38° DEG. 32° MIN. 30" SEC.
Longitude: 2690' feet West of 81° DEG. 50' MIN. 00" SEC.

Company: Cabot Oil & Gas Corporation
500 Lee Street East, Suite 500
Charleston, WV 25301

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	50'	50'	
9-5/8"	342'	342'	169
7"	1888'	1888'	367
4-1/2"		4518'	325
2-3/8"		4439'	

Agent: Thomas S. Lilenstone
Inspector: Gary Parish
Permit Issued: 07/08/99
Well Work Commenced: October 18, 1999
Well Work Completed: November 11, 1999
Verbal Plugging:
Permission granted on:
Rotary X Cable
Total Depth (feet) 4520
Fresh Water Depths (ft) 91'
Salt Water Depths (ft) 850-1000-1400
Is coal being mined in area (Y/N)? NO
Coal Depths (ft) NONE REPORTED

OPEN FLOW DATA

Producing Formation DEVONIAN SHALE Pay Zone Depth (ft) 4291' - 4511'
Gas: Initial Open Flow TSTM MCF/d Oil: Initial Open Flow 0 Bbl/d
Final Open Flow 421 (COMMINGLED) MCF/d Final Open Flow 0 Bbl/d
Time of open flow between initial and final tests 6 Hours
Static rock pressure 280 psig surface pressure after 14 Hours

Second Producing Formation BEREA Pay Zone Depth (ft) 2260' - 2270'
Gas: Initial Open Flow TSTM MCF/d Oil: Initial Open Flow 0 Bbl/d
Final Open Flow 421 (COMMINGLED) MCF/d Final Open Flow 0 Bbl/d
Time of open flow between initial and final tests 6 Hours
Static rock pressure 280 psig surface pressure after 14 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: CABOT OIL & GAS CORPORATION
By: Drilling Superintendent
Date: 3/17/00

RECEIVED
Office of Oil & Gas
MAR 28 2000
WV Department of Environmental Protection

STAGE	PERF'S	ACID 15% HCl	FOAM	SAND (lbs)	NITROGEN (scf)	BDP	ATP	MTP	ISIP
1-DEVONIAN SHALE	[illegible]	500	[illegible]	[illegible]	[illegible]	3351	3540	3611	2670
2-DEVONIAN SHALE	[illegible]	[illegible]	500	10,000	1,294,000	[illegible]	2822	2931	1751
3-BEREA	2260-2270 (22)	[illegible]	772	41,000	422,000	[illegible]	2988	4379	2674

FORMATIONS	TOP	BOTTOM	REMARKS
Sandstone	Surface	69	
Shale and Siltstone	69	488	
Shale and Sandstone	488	732	
Sandstone and Shale	732	873	
Shale and Siltstone	873	939	
Sandstone	939	985	
Shale and Siltstone	985	1144	
Sandstone and Siltstone	1144	1243	
Shale	1243	1271	
Salt Sands	1271	1515	
Shale and Sandstone	1515	1652	
Big Lime	1652	1755	
Shale	1755	1784	
Injun	1784	1932	
Shale and Siltstone	1932	2032	
Shale	2032	2280	
Berea	2280	2282	
Shale	2282	2370	
L. Huron	2370	3487	
Java	3487	3928	
Angola	3928	4088	
Rhinestreet	4088	4290	
Marcellus	4290	4476	
Onondaga	4476	4540	
	4540	4520	TD

PUT-1286

Bancroft 7

CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

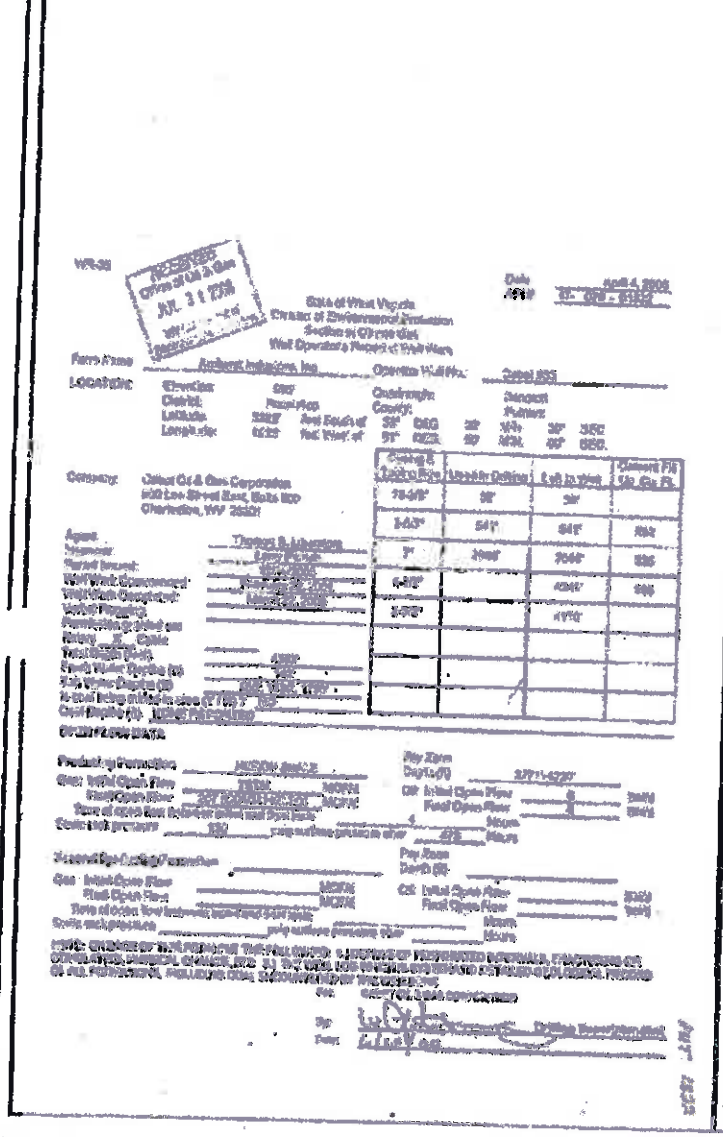
Drawing

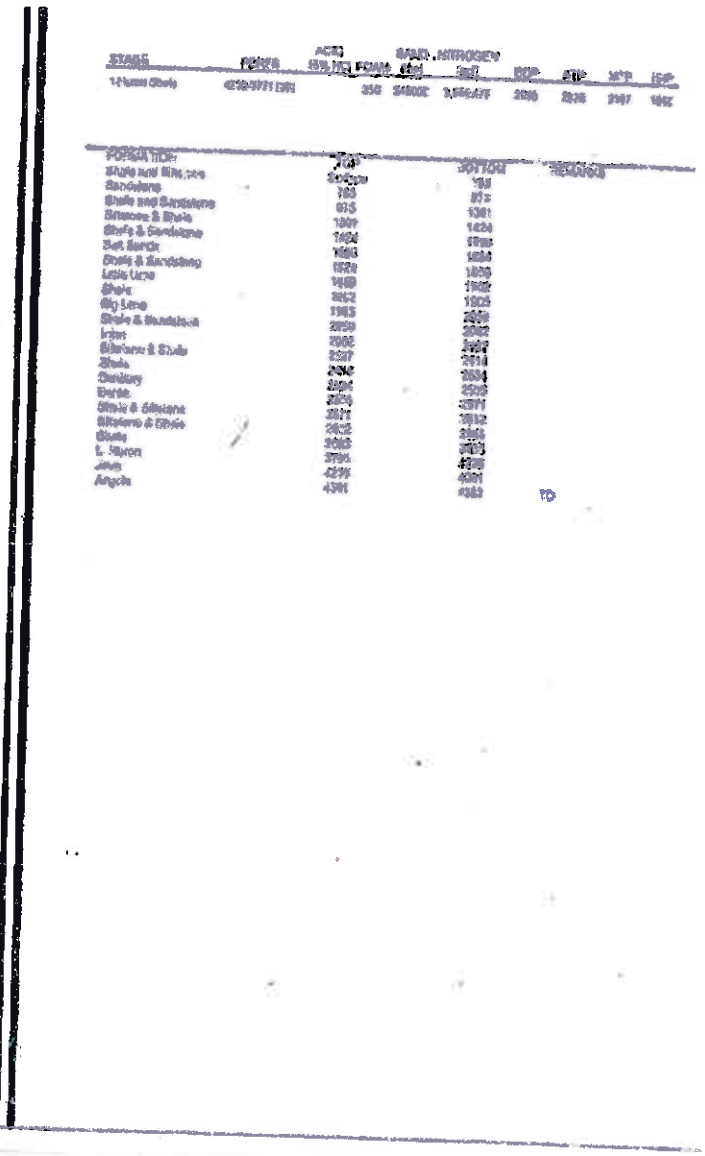
CABOT #8- WITHIN 1/4 MILE OF CABOT #100

Date	June 5, 2014	Scale	as shown
File Name	F12_cabot #8	Project No.	116.00400.00103

Fig. No. 12

SLR





CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

Drawing

CABOT #33- WITHIN 1/4 MILE OF CABOT #100

Date	June 5, 2014	Scale	as shown
File Name	F13_cabot #33	Project No.	116.00400.00105

Fig. No. 13

SLR

FORMATION RECORD

TOP (FEET)	BASE (FEET)	FORMATION (STRATUM)	DESCRIPTION (BLOCK, SCALE, REMARKS)	REMARKS: (ANY PERMIT, SIZE, WTR, CAD)
0	48	Red clay [illegible]	Red	
48	250	Shale / soft	Black	
250		Shale		
533	Sand 494	Sand		Water 490 @ 5 gr
537	Shale 1550		Hard / Gray	
550	637	Sand	Hard / Dark	
637		Shale / Sand	Hard / Gray	
701	801	Shale / [illegible]	Hard / Gray	
801	880	Shale / Sand	Hard / Dark	Water 880 @ 5 gr
880	930	Shale	Hard gray	Water 880 @ 5 gr
930	965	Shale / Sand	Soft Black	
965	1215	Shale / Sand	Soft gray	
1215		Soft Sand	Hard white	Water 1365 @ [illegible]
1416	1483	Soft Sand		
1483	1677	Big Lime	Hard white [illegible]	Water 4 to 6 [illegible]
1677	1706	TN Sand	Hard white	[illegible]
1706	1740	Shale		Hard pump. Pits [illegible]
1740	1931	Sand	Soft Gray Dark	
			Hard / Gray	

CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

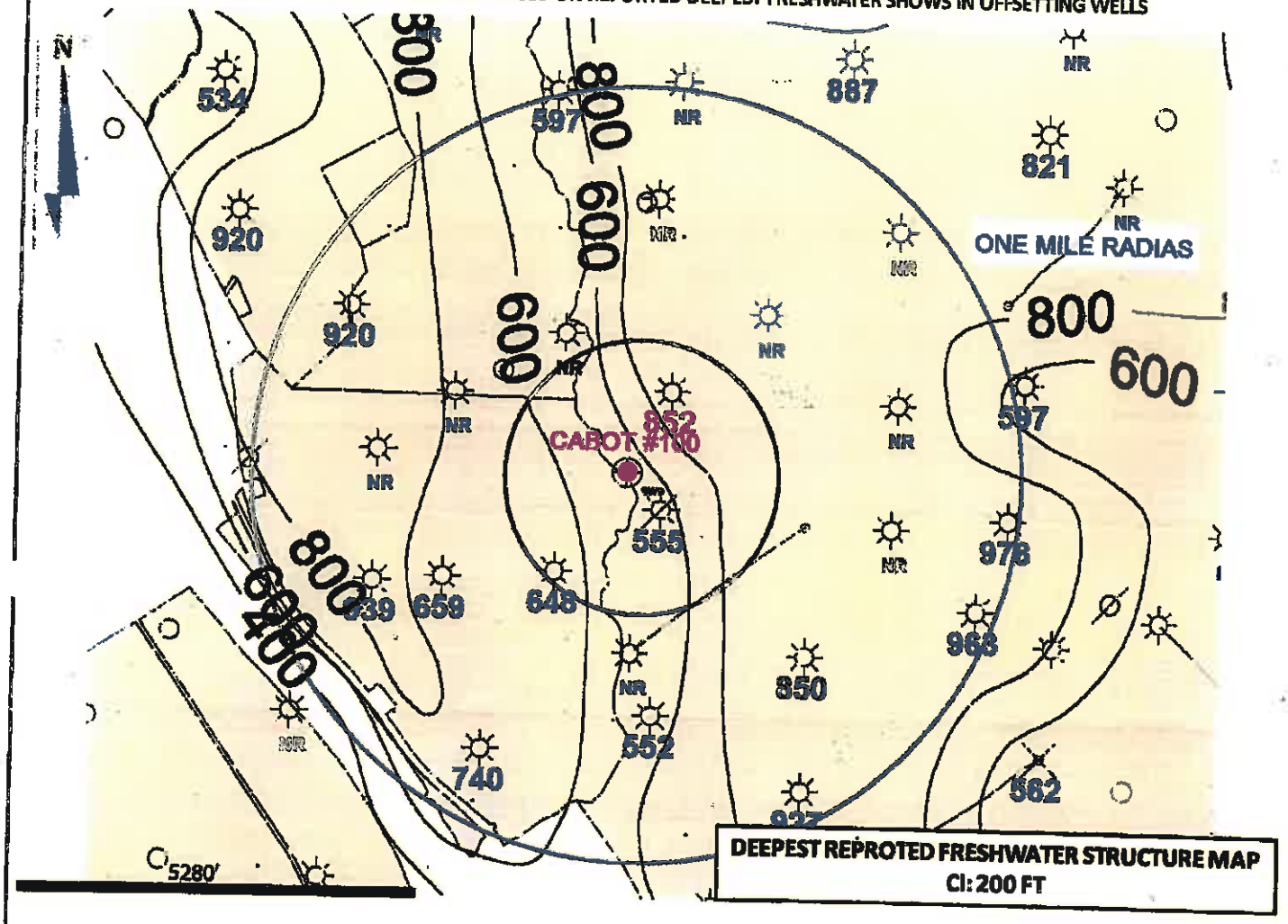
Drawing

DRILLER'S LOG

Date	June 5, 2014	Scale	as shown	Fig. No. 14
File Name	F14_driller's log	Project No.	116.00400.00103	

SLR

NO BOREHOLE ELECTRIC LOGS HAVE BEEN RAN OVER THE SHALLOW FRESHWATER ZONES IN THIS AREA.
POSTED BELOW IS A STRUCTURE MAP BASED ON REPORTED DEEPEST FRESHWATER SHOWS IN OFFSETTING WELLS



DEEPEST REPROTED FRESHWATER STRUCTURE MAP
CI: 200 FT

CABOT #100 INJECTION WELL

Report
UIC PERMIT APPLICATION

Drawing
STRUCTURE MAP DEEPEST GROUNDWATER ENCOUNTER

Date June 6, 2014	Scale as shown	Fig. No. 15
File Name F15_deepest gw	Project No. 116.00400.00103	

SLR

Injection Well Data - Cabot #100

ACTS Facility ID:	
ACTS Equipment ID:	
ACT Wellpad Facility ID:	65018
Tax Map Number:	176-1
Sample ID:	Tank-1
Project ID:	WV-65018
Date & Time Collected:	01/24/2014 12:15
Landowner Name:	
Laboratory Job Number:	1448386
Field Company:	Cunningham
Analysis Type	Water - Residential

Parameter	Method	Units	Value	Date Analyzed	Qualifier
Benzene	EPA 524.2	ug/l	1300	01/30/2014 22:13	
n-Butylbenzene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
sec-Butylbenzene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
Ethylbenzene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
Isopropylbenzene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
p-Isopropyltoluene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
Naphthalene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
n-Propylbenzene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
Toluene	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
1,2,4-Trimethylbenzene	EPA 524.2	ug/l	760	01/30/2014 22:13	
1,3,5-Trimethylbenzene	EPA 524.2	ug/l	65	01/30/2014 22:13	
Xylene (Total)	EPA 524.2	ug/l	< 50	01/30/2014 22:13	
TPH-GRO water C6-C10	SW-846 8015B modified	ug/l	320	01/30/2014 22:13	
C10-C28	SW-846 8015B	ug/l	8500	01/27/2014 21:20	
C24-C40	SW-846 8015B	mg/l	59	01/30/2014 19:06	
Total TPH (C10-C40)	SW-846 8015B	mg/l	42	01/30/2014 19:06	
Iron	EPA 200.7 rev 4.4	mg/l	90	01/30/2014 19:06	
Sodium	EPA 200.7 rev 4.4	mg/l	122	02/04/2014 03:44	
Barium	EPA 200.8 rev 5.4	mg/l	31800	02/07/2014 07:21	
Manganese	EPA 200.8 rev 5.4	mg/l	34.4	02/05/2014 00:28	
Chloride	EPA 300.0	mg/l	19.5	02/05/2014 00:28	
Sulfate	EPA 300.0	mg/l	116000	01/26/2014 10:12	
Total Organic Carbon	SM 5310 C-2000	mg/l	< 250	01/26/2014 09:55	
Total Suspended Solids	SM 2540 D-1997	mg/l	5410	01/29/2014 11:37	
pH	SM 4500-H+ B-2000	Std. Units	105	01/29/2014 20:03	
			5.1	01/29/2014 00:47	

CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

Drawing

INJECTION FLUID COMPOSITION

Date	June 6, 2014	Scale	as shown
File Name	F16_Injection fluid	Project No.	116.00400.00103

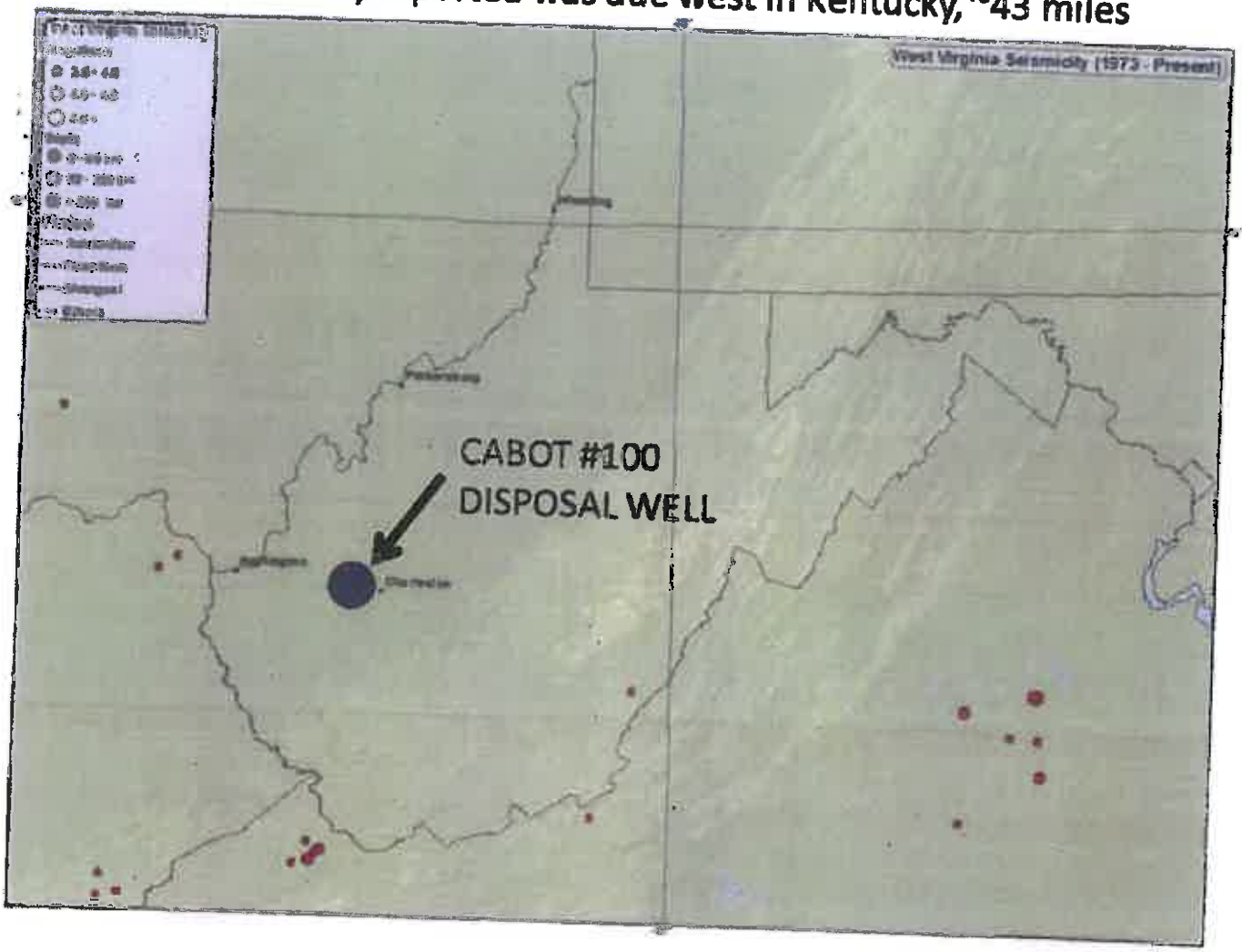
Fig. No. 16

SLR

West Virginia

Seismicity Map - 1973 to Present

Closest seismic activity reported was due west in Kentucky, ~43 miles



CABOT #100 INJECTION WELL	
Report	UIC PERMIT APPLICATION
Drawing	SEISMIC ACTIVITY IN WEST VIRGINIA
Date June 5, 2014	Scale as shown
File Name F17_SEISMIC ACTIVITY	Project No. 110.01292.00001
Fig. No.	17

SLR

UIC PERMIT APPLICATION CABOT #100

SECTION 9
OPERATING REQUIREMENTS/DATA

Cabot Oil & Gas Corporation has provided the following information for the Cabot #100 facility (API No. 047-079-01452)

- Average Volume of Fluid Injected (bbl/day): 160
- Maximum Volume of Fluid Injected (bbl/day): 2880
- Average Injection Pressure (psig): 900
- Maximum Injection Pressure (psig): 1571

The list of wells to be serviced can be found in Appendix G. This list includes all of the Cabot wells in West Virginia. It is very unlikely that fluids from all of these wells will routinely be injected into the Cabot #100 well, but if other disposal wells require maintenance, it is possible that fluids from any Cabot well in West Virginia may be injected at the Cabot #100 well. Produced fluids from future wells, drilled and/or operated by Cabot in West Virginia, may also contribute fluids to the Cabot #100 injection well.

The physical and chemical characteristics of the injection fluid are presented in Figure 16 in Section 8.

No additives are routinely used, however the well is periodically (approximately once every few years) descaled with an acid solution when injection rates noticeably decline.

The annulus fluid behind the packed off 4-inch tubing is gel.

In the event of a well failure, injections will cease and the cause of the failure will be investigated. Tubing and packer replacement, well grouting, or abandonment may be required. Fluids will be taken to other Cabot or commercial facilities for injection.

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700500004	Cabot	FEDERAL COAL CO. # 42 C	BEREA
4700500004	Cabot	FEDERAL COAL CO. # 42 T	DEVONIAN SHALE
4700500039	Cabot	CASSINGHAM #20	BEREA-BIG LIME
4700500044	Cabot	VANDELINDE, V. A. # 1	BEREA
4700500068	Cabot	L.R.& P. "B" #34	BEREA-WEIR
4700500080	Cabot	ROBSON & PRICHARD "A" # 8	WEIR
4700500085	Cabot	CASSINGHAM #19 A (DEEPENING)	DEVONIAN SHALE
4700500107	Cabot	SUTPHIN, L. N. # 3 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500111	Cabot	CASSINGHAM #21 C	BEREA
4700500111	Cabot	CASSINGHAM #21 T	DEVONIAN SHALE
4700500138	Cabot	FEDERAL COAL CO. # 47	BEREA
4700500146	Cabot	LITTLE COAL LAND "B" #12	BEREA
4700500155	Cabot	ROBERTS, J. G. # 2 - DEEPENING	DEVONIAN SHALE
4700500163	Cabot	SUTPHIN, L. N. # 4	BEREA
4700500167	Cabot	FEDERAL COAL CO. # 51	BEREA
4700500173	Cabot	FEDERAL COAL CO. # 38,41,46,52,53	WEIR
4700500194	Cabot	FEDERAL COAL CO. # 56	WEIR
4700500203	Cabot	ELAHS GAS HILL #2 DD	DEVONIAN SHALE-BE-INJ
4700500225	Cabot	FEDERAL COAL CO. # 64	BEREA-BIG LIME-WEIR
4700500226	Cabot	FEDERAL COAL CO. # 65	BEREA
4700500227	Cabot	FEDERAL COAL CO. # 63	BEREA
4700500231	Cabot	FEDERAL COAL CO. # 67	WEIR
4700500241	Cabot	FEDERAL COAL CO. # 68 C	BEREA
4700500241	Cabot	FEDERAL COAL CO. # 68 T	DEVONIAN SHALE
4700500244	Cabot	FEDERAL COAL CO. # 69	BEREA-WEIR
4700500250	Cabot	PEYTONA COAL CO. #22	BEREA-BIG LIME
4700500252	Cabot	FEDERAL COAL CO. # 70	WEIR
4700500262	Cabot	PEYTONA COAL CO. #23	BEREA-BIG LIME
4700500268	Cabot	FEDERAL COAL CO. # 74	WEIR
4700500272	Cabot	VANDELINDE, V. G. # 1 (TOTALS)	BEREA
4700500276	Cabot	PEYTONA COAL CO. #24	BIG LIME-INJUN-BEREA
4700500283	Cabot	L.R.& P. "C" # 1	BIG LIME-WEIR
4700500288	Cabot	FEDERAL COAL CO. # 78	BEREA-BIG LIME-WEIR
4700500290	Cabot	ALLEN & PRYOR #19	BEREA-BIG LIME
4700500291	Cabot	BALLARD, H. C. # 3 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500293	Cabot	ROBERTS, J. G. # 3 C	BIG LIME
4700500293	Cabot	ROBERTS, J. G. # 3 T	BEREA
4700500294	Cabot	PEYTONA COAL CO. #25	BEREA-BIG LIME
4700500295	Cabot	FEDERAL COAL CO. # 79	BEREA-BIG LIME
4700500306	Cabot	PEYTONA COAL CO. #27	BEREA-BIG LIME
4700500312	Cabot	CASSINGHAM #22 (DEEPENING)	DEVONIAN SHALE
4700500313	Cabot	CASSINGHAM #23 (DEEPENING)	DEVONIAN SHALE
4700500315	Cabot	FEDERAL COAL CO. # 83	
4700500318	Cabot	STOLLINGS, JOHN # 1	BEREA-BIG LIME
4700500340	Cabot	CASSINGHAM #24	BEREA
4700500341	Cabot	LITTLE COAL LAND "B" #16 (DEEPENING)	DEVONIAN SHALE
4700500345	Cabot	PEYTONA COAL CO. #29	BEREA-BIG LIME
4700500348	Cabot	BROUN, T. L. # 5	WEIR
4700500350	Cabot	VANDELINDE, V. G. # 2 (DEEPENING)	MARCELLUS-HURON-RHINESTREET-INJUN
4700500356	Cabot	CASSINGHAM #26	DEVONIAN SHALE
4700500358	Cabot	ALLEN & PRYOR #20 - DEEPENING	DEVONIAN SHALE
4700500364	Cabot	PEYTONA COAL CO. #30	BEREA-DEVONIAN SHALE
4700500366	Cabot	ALLEN & PRYOR #21	BEREA-BIG LIME
4700500371	Cabot	PEYTONA COAL CO. #31 C	BIG LIME-INJUN
4700500371	Cabot	PEYTONA COAL CO. #31 T	HURON SHALE
4700500372	Cabot	PEYTONA COAL CO. #32	BEREA-HURON SHALE
4700500377	Cabot	ALLEN & PRYOR #22 DEEPENING	DEVONIAN SHALE
4700500381	Cabot	ROBERTS, J. G. # 4	BEREA-BIG LIME
4700500385	Cabot	LITTLE COAL LAND "B" #19 (DEEPENING)	MARCELLUS-HURON-RHINESTREET-BEREA
4700500388	Cabot	ALLEN & PRYOR #23 (DEEPENING) (SOLD)	DEVONIAN SHALE
4700500389	Cabot	CASSINGHAM #28	BEREA-BIG LIME
4700500391	Cabot	ALLEN & PRYOR #24	BEREA-BIG LIME
4700500395	Cabot	ROBERTS, J. G. # 5	BEREA-BIG LIME
4700500397	Cabot	PEYTONA COAL CO. #33	BIG LIME-HURON SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700500426	Cabot	CHAMBERS, R. A. # 1 (DEEPENING)	DEVONIAN SHALE
4700500443	Cabot	ALLEN & PRYOR #25 (DEEPENING)	DEVONIAN SHALE
4700500446	Cabot	BULL CREEK #14	INJUN
4700500447	Cabot	CASSINGHAM #30	INJUN
4700500448	Cabot	ALLEN & PRYOR #26 (DEEPENING)	DEVONIAN SHALE
4700500451	Cabot	BALLARD, H. C. # 4	DEVONIAN SHALE
4700500452	Cabot	LITTLE COAL LAND "B" #21 (DEEPENING)	DS-BE-INJ-BL
4700500453	Cabot	CASSINGHAM #31 (DEEPENING)	DEVONIAN SHALE
4700500454	Cabot	PEYTONA COAL CO. #34	BIG LIME-HURON SHALE
4700500462	Cabot	BULL CREEK #15	BIG LIME-INJUN-ORISKANY
4700500464	Cabot	FEDERAL COAL CO. # 87	WEIR
4700500468	Cabot	CASSINGHAM #32 (DEEPENING)	DEVONIAN SHALE
4700500470	Cabot	ALLEN & PRYOR #28 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500475	Cabot	CASSINGHAM #33 (DEEPENING)	DEVONIAN SHALE
4700500479	Cabot	FEDERAL COAL CO. # 88	BIG LIME
4700500489	Cabot	LITTLE COAL LAND "B" #24 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500490	Cabot	CASSINGHAM #35	BIG LIME-INJUN
4700500499	Cabot	BULL CREEK #17	NEWBURG
4700500500	Cabot	ALLEN & PRYOR #32 (DEEPENING)	DEVONIAN SHALE
4700500501	Cabot	CASSINGHAM #37 - DEEPENING	DEVONIAN SHALE
4700500503	Cabot	L.R.& P. "A" #46	BEREA
4700500504	Cabot	LITTLE COAL LAND "B" #25	BEREA-BIG LIME
4700500505	Cabot	LENNING ESTATE # 6 (TOTALS)	BIG LIME-HURON SHALE
4700500506	Cabot	ALLEN & PRYOR #33 C	BIG LIME
4700500506	Cabot	ALLEN & PRYOR #33 T	BEREA
4700500507	Cabot	ALLEN & PRYOR #34 C	BIG LIME
4700500507	Cabot	ALLEN & PRYOR #34 T	BEREA
4700500507	Cabot	ALLEN & PRYOR #34 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500519	Cabot	BULL CREEK #18	NEWBURG-ORISKANY
4700500526	Cabot	L.R.& P. "B" #43	BEREA-BIG LIME-WEIR
4700500529	Cabot	ALLEN & PRYOR #35 (DEEPENING)	DEVONIAN SHALE
4700500530	Cabot	CASSINGHAM #41	BEREA-DEVONIAN SHALE
4700500537	Cabot	BULL CREEK #19 (SOUR)	NEWBURG
4700500544	Cabot	ALLEN & PRYOR #36 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500554	Cabot	CASSINGHAM #43 DEEPENING	MARCELLUS-HURON-RHINESTREET
4700500555	Cabot	BULL CREEK #20 C	BIG LIME-INJUN
4700500555	Cabot	BULL CREEK #20 T	NEWBURG
4700500559	Cabot	ALLEN & PRYOR #37 - DEEPENING	DEVONIAN SHALE
4700500565	Cabot	ALLEN & PRYOR #38 (DEEPENING)	DEVONIAN SHALE
4700500566	Cabot	PAULEY, FRANCIS # 2 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500579	Cabot	BALLARD, B. S. # 3	BEREA
4700500582	Cabot	CROFT, C. A. "B" # 1	BEREA-BIG LIME
4700500595	Cabot	ALLEN & PRYOR #39	BEREA-DEVONIAN SHALE
4700500597	Cabot	LITTLE COAL LAND "B" #26	BEREA-BIG LIME
4700500598	Cabot	LITTLE COAL LAND "B" #27	DEVONIAN SHALE
4700500599	Cabot	LITTLE COAL LAND "B" #28	BEREA-DEVONIAN SHALE
4700500602	Cabot	BULL CREEK #22 (TOTALS)	BIG LIME-ORISKANY
4700500605	Cabot	MILLER, P. K. # 2 - DEEPENING	MARCELLUS-HURON-RHINESTREET
4700500612	Cabot	ALLEN & PRYOR #41	BEREA-BIG LIME-DEVONIAN SHALE
4700500656	Cabot	SILER COAL & LAND CO. #13 (DEEPENING)	DEVONIAN SHALE
4700500657	Cabot	ALLEN & PRYOR #42 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500680	Cabot	SILER COAL & LAND CO. #14 (DEEPENING)	DEVONIAN SHALE
4700500685	Cabot	ALLEN & PRYOR #43	BEREA-SLATE
4700500690	Cabot	SILER COAL & LAND CO. #15 (DEEPENING)	DEVONIAN SHALE
4700500693	Cabot	SILER COAL & LAND CO. #16 (DEEPENING)	DEVONIAN SHALE
4700500706	Cabot	ALLEN & PRYOR #44	BEREA-INJUN
4700500710	Cabot	BULL CREEK #24 C	ORISKANY
4700500710	Cabot	BULL CREEK #24 T	NEWBURG
4700500711	Cabot	LITTLE COAL LAND "B" #33	BEREA-BIG LIME
4700500712	Cabot	ALLEN & PRYOR #45 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700500718	Cabot	LITTLE COAL LAND "B" #35	BEREA-MAXTON
4700500719	Cabot	LITTLE COAL LAND "A" # 2 (TOTALS)	BEREA-BIG LIME
4700500721	Cabot	LITTLE COAL LAND "B" #36 P&A)	BEREA
4700500722	Cabot	LITTLE COAL LAND "B" #37 (TOTALS)	BEREA-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700500803	Cabot	SHONK LAND CO. # 7	WEIR
4700500808	Cabot	LITTLE COAL LAND "B" #38 (TOTALS)	BEREA-BIG LIME-DEVONIAN SHALE
4700500815	Cabot	SHONK LAND CO. # 10	WEIR
4700500821	Cabot	BEDFORD # 7	BEREA
4700500836	Cabot	SHONK LAND CO. # 12	WEIR
4700500842	Cabot	LENNING ESTATE # 2	BEREA-BIG LIME-DEVONAIN SHALE
4700500847	Cabot	PEYTONA COAL CO. #16	BEREA-DEVONIAN SHALE
4700500851	Cabot	PEYTONA COAL CO. #17 C	BEREA
4700500851	Cabot	PEYTONA COAL CO. #17 T	DEVONIAN SHALE
4700500857	Cabot	PEYTONA COAL CO. #18	HURON SHALE
4700500862	Cabot	PEYTONA COAL CO. #19	BEREA
4700500878	Cabot	POND FORK # 1	BIG LIME-INJUN
4700500883	Cabot	WESTMORELAND COAL CO. # 6 (1178)	BEREA-BIG LIME
4700500885	Cabot	POND FORK # 2 DEEPENING	MARCELLUS-HURON-RHINESTREET-BEREA
4700500891	Cabot	POND FORK # 3	BIG LIME
4700500893	Cabot	POND FORK # 4	BIG LIME
4700500895	Cabot	POND FORK # 5 DEEPENING	DEVONIAN SHALE-BEREA
4700500899	Cabot	POND FORK # 6	HURON SHALE
4700500908	Cabot	PEYTONA COAL CO. #37	HURON SHALE
4700500909	Cabot	L.R.& P. "B" #51	BEREA
4700500912	Cabot	PEYTONA COAL CO. #38 C	BEREA-BIG LIME
4700500912	Cabot	PEYTONA COAL CO. #38 T	DEVONIAN SHALE
4700500912	Cabot	PEYTONA COAL CO. #38 (TOTALS)	BEREA-BIG LIME
4700500917	Cabot	LITTLE COAL LAND "B" #40	BEREA-DEVONIAN SHALE
4700500928	Cabot	LITTLE COAL LAND "B" # 2 C	BIG LIME
4700500928	Cabot	LITTLE COAL LAND "B" # 2 T	BEREA
4700500935	Cabot	WESTMORELAND COAL CO. # 1	BIG LIME-WEIR
4700500936	Cabot	BULL CREEK #25	NEWBURG
4700500943	Cabot	BEDFORD #20	DEVONIAN SHALE
4700500944	Cabot	WESTMORELAND COAL CO. # 3	BEREA-WEIR
4700500945	Cabot	WESTMORELAND COAL CO. # 2 (1152)	WEIR
4700500948	Cabot	WESTMORELAND COAL CO. # 5	BEREA-WEIR
4700500983	Cabot	SHONK LAND CO. # 21 (LS)	WEIR
4700500983	Cabot	SHONK LAND CO. # 21 (SS)	MAXTON
4700501007	Cabot	SHONK LAND CO. # 25 (P&A)	WEIR
4700501009	Cabot	LITTLE COAL LAND "B" # 8	BEREA-DEVONIAN SHALE
4700501010	Cabot	BULL CREEK #26	BIG INJUN
4700501018	Cabot	SHONK LAND CO. # 26	WEIR
4700501041	Cabot	SHONK LAND CO. # 27 (P&A)	WEIR
4700501042	Cabot	SHONK LAND CO. # 30	WEIR
4700501043	Cabot	SHONK LAND CO. # 29	WEIR
4700501044	Cabot	SHONK LAND CO. # 28	WEIR
4700501095	Cabot	ALLEN & PRYOR #10	BEREA
4700501096	Cabot	ANDERSON, U.S.G. # 3	BEREA-BIG LIME
4700501097	Cabot	BALLARD, H. C. # 2	BEREA
4700501098	Cabot	ALLEN & PRYOR # 6	BEREA-BIG LIME
4700501101	Cabot	ALLEN & PRYOR #12 - DEEPENING	MARCELLUS-HURON-RHINESTREET
4700501103	Cabot	ALLEN & PRYOR #14 (DEEPENING)	DEVONIAN SHALE
4700501104	Cabot	ALLEN & PRYOR #15 (DEEPENING)	DEVONIAN SHALE
4700501105	Cabot	ALLEN & PRYOR #16 (DEEPENING)	DEVONIAN SHALE
4700501106	Cabot	ALLEN & PRYOR #17 (DEEPENING)	DEVONIAN SHALE
4700501108	Cabot	ALLEN & PRYOR # 1 (DEEPENING)	DEVONIAN SHALE
4700501109	Cabot	ALLEN & PRYOR #13 (DEEPENING)	DEVONIAN SHALE
4700501110	Cabot	CASSINGHAM #17 (DEEPENING)	DEVONIAN SHALE
4700501111	Cabot	CASSINGHAM #18 - DEEPENING	DEVONIAN SHALE
4700501111	Cabot	CASSINGHAM #18 - (BP) - DEEPENING	INJUN
4700501112	Cabot	BROWN, MARSHALL # 1 (HISTORICAL)	BEREA
4700501112	Cabot	BROWN, MARSHALL # 1 DEEPENING	MARCELLUS-HURON-RHINESTREET
4700501113	Cabot	BROWN, MARSHALL # 2	BEREA
4700501114	Cabot	CASSINGHAM # 1 (DEEPENING)	DEVONIAN SHALE
4700501115	Cabot	CASSINGHAM # 2 (DEEPENING)	DEVONIAN SHALE
4700501117	Cabot	CASSINGHAM # 5 (DEEPENING)	DEVONIAN SHALE
4700501118	Cabot	CASSINGHAM # 6 (DEEPENING)	DEVONIAN SHALE
4700501119	Cabot	BROUN-COCHRAN # 6	BEREA-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700501121	Cabot	BEDFORD #11	BEREA-BIG LIME
4700501122	Cabot	BEDFORD #12	BEREA
4700501123	Cabot	BEDFORD #13 C	DEVONIAN SHALE
4700501123	Cabot	BEDFORD #13 T	BEREA
4700501124	Cabot	BEDFORD #14 (DEEPENING)	DEVONIAN SHALE
4700501126	Cabot	ALLEN & PRYOR # 8	BEREA-BIG LIME
4700501127	Cabot	ALLEN & PRYOR # 9	BEREA
4700501128	Cabot	PAULEY, FRANCIS # 1 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700501129	Cabot	PEYTONA COAL CO. #11 (DEEPENING)	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4700501130	Cabot	PEYTONA COAL CO. #14	BEREA-BIG LIME
4700501133	Cabot	MILLER, F. T. # 1	BEREA-BIG LIME
4700501139	Cabot	WILSON, ELIZA # 1 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700501140	Cabot	LITTLE COAL LAND "B" #11	BEREA
4700501141	Cabot	LITTLE COAL LAND "B" # 4 (DEEPENING)	DEVONIAN SHALE
4700501144	Cabot	LITTLE COAL LAND "B" # 9 (DEEPENING)	MARCELLUS-HURON-RHINESTREET
4700501145	Cabot	LENNING ESTATE # 3 (DEEPENING)	DEVONIAN SHALE
4700501149	Cabot	KESSINGER & MEYERS # 1	BEREA-BIG LIME
4700501151	Cabot	DOLAN, HIRAM # 1 (DEEPENING)	BEREA-BIG LIME
4700501154	Cabot	COLE & CRANE # 2	BIG LIME
4700501157	Cabot	CASSINGHAM # 7 - (DEEPENING)	DEVONIAN SHALE
4700501162	Cabot	CASSINGHAM #15 - DEEPENING	DEVONIAN SHALE
4700501225	Cabot	FEDERAL COAL CO. # 23	WEIR
4700501226	Cabot	FEDERAL COAL CO. # 1	BEREA
4700501227	Cabot	FEDERAL COAL CO. # 7	BEREA-WEIR
4700501229	Cabot	FEDERAL COAL CO. # 11	BEREA
4700501231	Cabot	KUHN, JACOB # 1	BEREA
4700501232	Cabot	KUHN, JACOB # 2	SQUAW
4700501233	Cabot	KUHN, JACOB # 4	BEREA
4700501234	Cabot	FEDERAL COAL CO. # 17	BEREA
4700501236	Cabot	BOWEN, SAMUEL "A" # 1	BEREA
4700501242	Cabot	LITTLE COAL LAND "B" # 3 (DEEPENING)	DEVONIAN SHALE
4700501251	Cabot	L.R.& P. "B" #20	BEREA
4700501252	Cabot	NELSON LAND & OIL CO. # 1	BEREA
4700501253	Cabot	NELSON LAND & OIL CO. # 2	BEREA
4700501254	Cabot	NELSON LAND & OIL CO. # 4	BEREA
4700501255	Cabot	ROBSON & PRICHARD "B" # 4	BEREA-WEIR
4700501256	Cabot	ROBSON & PRICHARD "A" # 6	BIG LIME-WEIR
4700501300	Cabot	SHONK LAND CO. # 1	WEIR
4700501328	Cabot	LITTLE COAL LAND "C" # 3 (TOTALS)	BIG LIME-DEVONIAN SHALE
4700501331	Cabot	BULL CREEK "A" # 1	INJUN
4700501332	Cabot	BULL CREEK "A" # 2	BIG LIME-INJUN
4700501333	Cabot	LITTLE COAL LAND "C" # 2 C	BIG LIME
4700501333	Cabot	LITTLE COAL LAND "C" # 2 T	DEVONIAN SHALE
4700501338	Cabot	LITTLE COAL LAND "C" # 4	BIG LIME-INJUN
4700501339	Cabot	LITTLE COAL LAND "C" # 6	BEREA-BIG LIME-DEV. SHALE-SQUAW
4700501340	Cabot	LITTLE COAL LAND "C" #12 COMMINGLED	BEREA-BIG LIME-SHALE
4700501340	Cabot	LITTLE COAL LAND "C" #12 T	DEVONIAN SHALE
4700501341	Cabot	LITTLE COAL LAND "C" # 9 C	BIG LIME-SQUAW
4700501341	Cabot	LITTLE COAL LAND "C" # 9 T	DEVONIAN SHALE
4700501341	Cabot	LITTLE COAL LAND "C" # 9 (TOTALS)	BIG LIME-SQUAW
4700501342	Cabot	LITTLE COAL LAND "C" #10 C	BEREA-BIG LIME
4700501342	Cabot	LITTLE COAL LAND "C" #10 T	DEVONIAN SHALE
4700501347	Cabot	LITTLE COAL LAND "C" # 5 (TOTALS)	BIG LIME-SQUAW-DEVONIAN SHALE
4700501349	Cabot	ROCK CREEK "A" #10	DEVONIAN SHALE
4700501350	Cabot	LITTLE COAL LAND "C" # 8 C	BIG LIME
4700501350	Cabot	LITTLE COAL LAND "C" # 8 T	DEVONIAN SHALE
4700501350	Cabot	LITTLE COAL LAND "C" # 8 (TOTALS)	BIG LIME
4700501353	Cabot	LITTLE COAL LAND "C" #15	BIG LIME-DEVONIAN SHALE-SQUAW
4700501358	Cabot	ALLEN & PRYOR "A" # 1	BIG LIME-SQUAW
4700501360	Cabot	BULL CREEK "A" # 8 (TOTALS)	BIG LIME-INJUN-DEVONIAN SHALE
4700501361	Cabot	BULL CREEK "A" #10	BIG LIME-DEVONIAN SHALE-INJUN
4700501378	Cabot	MILLER, THOMAS # 1	BIG LIME
4700501413	Cabot	PEYTONA COAL CO. "C" # 4 (TOTALS)	BIG LIME-INJUN-WEIR-DEVONIAN SHALE
4700501417	Cabot	SHONK LAND CO. # 32 (SS)	BIG LIME-INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700501417	Cabot	SHONK LAND CO. # 32 (LS)	GORDON
4700501417	Cabot	SHONK LAND CO. # 32	BIG LIME-INJUN-GORDON
4700501422	Cabot	SHONK LAND CO. # 33	WEIR-DEVONIAN SHALE
4700501422	Cabot	SHONK LAND CO. # 33 (SS) (NOT USED)	WEIR
4700501424	Cabot	SHONK LAND CO. # 36	MAXTON-WEIR
4700501437	Cabot	PEYTONA COAL CO. "C" # 7 C (HISTORICAL)	BIG LIME-INJUN-WEIR
4700501437	Cabot	PEYTONA COAL CO. "C" # 7 T (HISTORICAL)	DEVONIAN SHALE
4700501437	Cabot	PEYTONA COAL CO. "C" # 7 (TOTALS)	BIG LIME-INJUN-WEIR
4700501438	Cabot	PENN-VIRGINIA "B" # 4 (TOTALS)	DEVONIAN SHALE-BEREA
4700501446	Cabot	LITTLE COAL LAND "C" #27R (TOTALS)	BIG LIME-INJUN-BEREA
4700501447	Cabot	LITTLE COAL LAND "C" #25R C	BIG LIME
4700501447	Cabot	LITTLE COAL LAND "C" #25R T	INJUN
4700501448	Cabot	SHONK LAND CO. # 37	BIG LIME-MAXTON-WEIR
4700501450	Cabot	PEYTONA COAL CO. "C" # 3	BIG LIME-INJUN-WEIR
4700501451	Cabot	PEYTONA COAL CO. "C" #13 C	BIG LIME-INJUN
4700501451	Cabot	PEYTONA COAL CO. "C" #13 T	BEREA
4700501451	Cabot	PEYTONA COAL CO. "C" #13 (TOTALS)	BIG LIME-INJUN
4700501526	Cabot	FEDERAL COAL CO. # 2 (EAE ORRI)	BEREA
4700501527	Cabot	L.R.& P. "B" # 1 (EAE ORRI)	DEVONIAN SHALE-WEIR
4700501528	Cabot	L.R.& P. "C" # 1 (EAE ORRI)	WEIR
4700501531	Cabot	FEDERAL COAL CO. # 1 (EAE ORRI)	BEREA
4700501532	Cabot	L.R.& P. "C" # 2 (EAE ORRI)	WEIR
4700501537	Cabot	FEDERAL COAL CO. # 7 (EAE ORRI)	BEREA-WEIR
4700501540	Cabot	BULL CREEK "A" #14	INJUN
4700501542	Cabot	BROUN, FONTAINE # 1 (EAE ORRI)	BEREA-BIG LIME
4700501558	Cabot	SHONK LAND CO. # 50	BIG LIME-WEIR
4700501581	Cabot	SHONK LAND CO. # 59	WEIR
4700501583	Cabot	SHONK LAND CO. # 60	MIDDLE MAXTON-WEIR
4700501584	Cabot	SHONK LAND CO. # 61	WEIR
4700501606	Cabot	SHONK LAND CO. # 77	WEIR
4700501607	Cabot	SHONK LAND CO. # 69	WEIR
4700501608	Cabot	FEDERAL COAL CO. #101 - TOTAL	BEREA-WEIR
4700501685	Cabot	BULL CREEK "A" #12R	INJUN-ORISKANY
4700501688	Cabot	BALLARD, B. S. # 1	BEREA
4700501723	Cabot	BULL CREEK "A" #15	INJUN-BIG LIME
4700501724	Cabot	BULL CREEK "A" #16	INJUN-BIG LIME
4700501729	Cabot	L.R.& P. #47	BEREA/SHALE
4700501731	Cabot	BULL CREEK "A" #17	INJUN-BIG LIME
4700501733	Cabot	BULL CREEK "A" #20	BIG LIME-INJUN
4700501734	Cabot	BULL CREEK "A" #21	BIG LIME-INJUN
4700501743	Cabot	BULL CREEK "A" #25	BIG LIME-INJUN
4700501747	Cabot	PEYTONA COAL CO. #44	DEVONIAN SHALE, INJUN
4700501748	Cabot	PEYTONA COAL CO. #41	BIG LIME-DEVONIAN SHALE
4700501749	Cabot	PEYTONA COAL CO. #40	BIG LIME-DEVONIAN SHALE
4700501750	Cabot	PEYTONA COAL CO. #42	BIG LIME-DEVONIAN SHALE-INJUN
4700501758	Cabot	PEYTONA COAL CO. #43	BIG LIME-DEVONIAN SHALE
4700501764	Cabot	BULL CREEK "A" #22	BIG LIME-INJUN
4700501765	Cabot	LITTLE COAL LAND "C" #17	BEREA-BIG LIME-KEENER-DEVON. SHALE
4700501770	Cabot	ALLEN & PRYOR #46	BEREA-BIG LIME
4700501796	Cabot	L.R.& P. #49R	BEREA-WEIR-INJUN-BIG LIME
4700501800	Cabot	SHONK LAND CO. # 97	L MAXTON-M MAXTON-INJUN-SALT SAND
4700501800	Cabot	SHONK LAND CO. # 97 (BP)	INJUN-SALT SAND
4700501801	Cabot	BULL CREEK "A" #26	NEWBURG-ORISKANY
4700501802	Cabot	LITTLE COAL LAND "C" #21	BEREA-DEVONIAN SHALE-INJUN-BIG LIME
4700501803	Cabot	LITTLE COAL LAND "C" #22R	BEREA-DEVONIAN SHALE-INJUN-BIG LIME
4700501822	Cabot	L.R.& P. #52	BEREA
4700501825	Cabot	SHONK LAND CO. # 98	MAXTON-INJUN
4700501825	Cabot	SHONK LAND CO. # 98 (BP)	SALT SAND
4700501847	Cabot	SHONK LAND CO. #102	MIDDLE MAXTON
4700501847	Cabot	SHONK LAND CO. #102 (BP)	SALT SAND
4700501854	Cabot	LITTLE COAL LAND "C" #18	DEVONIAN SHALE-BEREA-BIG LIME
4700501855	Cabot	LITTLE COAL LAND "C" #28	DEVONIAN SHALE-BEREA-INJUN
4700501857	Cabot	SHONK LAND CO. #103	LOWER & MIDDLE MAXTON-BIG LIME
4700501859	Cabot	LITTLE COAL LAND "C" #24	DEVONIAN SHALE-BEREA-INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700501863	Cabot	LITTLE COAL LAND "C" #16	DEVONIAN SHALE-BEREA
4700501867	Cabot	BROUN-COCHRAN # 8	BIG LIME-INJUN-DEVONIAN SHALE
4700501880	Cabot	BULL CREEK "A" #27	INJUN-BIG LIME
4700501883	Cabot	SHONK LAND CO. #104	BIG LIME-WEIR-DEV. SHALE
4700501884	Cabot	SHONK LAND CO. #105	L. MAXTON-M. MAXTON-BIG LIME-DEV. SHALE
4700501896	Cabot	L.R.& P. #54	INJUN-BIG LIME- WEIR
4700501899	Cabot	SHONK LAND CO. #106	WEIR-DEV. SHALE
4700501900	Cabot	ALLEN & PRYOR #48	DEVONIAN SHALE-BEREA-INJUN
4700501901	Cabot	BROUN-COCHRAN # 9	DEVONIAN SHALE-BORDEN-INJUN-BL
4700501902	Cabot	BROUN-COCHRAN #10	DEVONIAN SHALE-BEREA-INJUN-BL
4700501903	Cabot	BROUN-COCHRAN #11	DEVONIAN SHALE-BORDEN-INJUN-BL
4700501904	Cabot	HAGER HEIRS # 1R	BEREA-BIG LIME-KEENER-DEVON. SHALE
4700501906	Cabot	ALLEN & PRYOR #49R	DEVONIAN SHALE-BEREA-INJUN
4700501907	Cabot	ALLEN & PRYOR #53	DEVONIAN SHALE-BEREA-INJUN-BL
4700501908	Cabot	ALLEN & PRYOR #54	DEVONIAN SHALE-BEREA-INJUN-BL
4700501911	Cabot	ALLEN & PRYOR #55	DEVONIAN SHALE-BEREA-INJUN-BL
4700501913	Cabot	WHEELER, S. M. "A" # 1	BEREA-BIG LIME-DEVON. SHALE
4700501914	Cabot	LITTLE COAL LAND "C" #33	DEVONIAN SHALE-BEREA-INJUN-BL
4700501915	Cabot	WHEELER, S. M. "A" # 2	BEREA-BIG LIME-DEVON. SHALE
4700501922	Cabot	ALLEN & PRYOR #52	DEVONIAN SHALE-BEREA-INJUN-BL
4700501925	Cabot	ALLEN & PRYOR #51	DEVONIAN SHALE-BEREA-INJUN-BL
4700501926	Cabot	ALLEN & PRYOR #50 R	DEVONIAN SHALE-BEREA-INJUN-BL
4700501927	Cabot	ALLEN & PRYOR #47	BEREA-BIG LIME-DEVONIAN SHALE
4700501943	Cabot	PEYTONA COAL CO. #48	BIG LIME-BEREA-DEVONIAN SHALE
4700501948	Cabot	ALLEN & PRYOR #59	DEVONIAN SHALE-BEREA-INJUN
4700501950	Cabot	LITTLE COAL LAND "C" #36 R	BEREA-BIG LIME
4700501952	Cabot	ALLEN & PRYOR #58 R	DEVONIAN SHALE-BEREA-INJUN
4700501953	Cabot	BROUN-COCHRAN #12	DEVONIAN SHALE-BORDEN-INJUN-BL
4700501954	Cabot	PENN-VIRGINIA "B" # 8R	DEVONIAN SHALE-BEREA-BL
4700501955	Cabot	LITTLE COAL LAND "C" #35	DEVONIAN SHALE-BEREA-BIG LIME
4700501973	Cabot	FEDERAL COAL CO. #103	BEREA-WEIR-KEENER
4700501987	Cabot	SHONK LAND CO. #108	RHINESTREET SHALE-HURON SHALE-WEIR-BIG LIME
4700501988	Cabot	SHONK LAND CO. #109	DEVONIAN SHALE-GORDON-WEIR-LOWER BIG LIME
4700501988	Cabot	SHONK LAND CO. #109 (BP)	UPPER BIG LIME-MAXTON
4700501989	Cabot	SHONK LAND CO. #111	BIG LIME-WEIR-BEREA/GORDON-DEVONIAN SHALE
4700501989	Cabot	SHONK LAND CO. #111 (BP)	L. MAXTON
4700502015	Cabot	SOUTHERN LAND "A" # 1	BEREA-WEIR-BIG LIME
4700502016	Cabot	SHONK LAND CO. #114	DEVONIAN SHALE-WEIR
4700502021	Cabot	SOUTHERN LAND "A" #10	BEREA-WEIR-BL
4700502030	Cabot	FEDERAL COAL CO. #105	BEREA-WEIR-BL
4700502036	Cabot	ALLEN & PRYOR #62	MARCELLUS-HURON-RHINESTREET-BIG LIME-INJUN-BEREA
4700502037	Cabot	ALLEN & PRYOR #63	MARCELLUS-HURON-BIG LIME-BEREA-RHINESTREET
4700502038	Cabot	ROBSON PRITCHARD "C" # 2	BEREA-WEIR-BL
4700502039	Cabot	ROBSON PRITCHARD "C" # 3	BEREA-WEIR-BL
4700502040	Cabot	SOUTHERN LAND "A" # 3	BEREA-WEIR-BL
4700502044	Cabot	ALLEN & PRYOR #68	MARCELLUS-HURON-RHINESTREET-BIG LIME-INJUN-BEREA
4700502045	Cabot	ALLEN & PRYOR #69	MARCELLUS-HURON-RHINESTREET-BIG LIME
4700502046	Cabot	ALLEN & PRYOR #70H	DEVONIAN SHALE
4700502048	Cabot	PEYTONA COAL CO. #52	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502049	Cabot	PEYTONA COAL CO. #51	DEVONIAN SHALE-BEREA-INJUN
4700502052	Cabot	ALLEN & PRYOR #65	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502053	Cabot	ALLEN & PRYOR #64	MARCELLUS-BEREA-HURON-RHINESTREET
4700502069	Cabot	ALLEN & PRYOR #71	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502070	Cabot	LITTLE COAL LAND "C" #39	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4700502073	Cabot	CHAMBERS, D. # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502082	Cabot	LITTLE COAL LAND "C" #40	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502085	Cabot	SHONK LAND CO. #116 R	GORDON-WEIR-BIG LIME
4700502087	Cabot	SOUTHERN LAND "A" # 2	BEREA-WEIR-BIG LIME
4700502100	Cabot	ROBSON PRITCHARD "C" # 5	BEREA-WEIR
4700502101	Cabot	SHONK LAND CO. #115	BIG LIME
4700502108	Cabot	FEDERAL COAL CO. #104	BEREA-WEIR-BL
4700502115	Cabot	SOUTHERN LAND "A" # 6	BEREA-WEIR
4700502117	Cabot	BEDFORD #21 R	DEVONIAN SHALE-BEREA
4700502118	Cabot	SHONK LAND CO. #113H	WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4700502124	Cabot	HAGER "A" # 1	DEVONIAN SHALE-BEREA-INJUN
4700502125	Cabot	HAGER "A" # 2	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4700502126	Cabot	LENNING ESTATE #12	DEVONIAN SHALE-INJUN
4700502127	Cabot	LENNING ESTATE #11	DEVONIAN SHALE-INJUN
4700502128	Cabot	HAGER "A" # 3	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502129	Cabot	HAGER "A" # 4	DEVONIAN SHALE-BEREA
4700502134	Cabot	PEYTONA COAL CO. #54	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4700502136	Cabot	LENNING ESTATE #15	MARCELLUS-HURON-RHINESTREET-INJ-BEREA-B LIME-U DEV
4700502137	Cabot	BULL CREEK "A" #28	DEVONIAN SHALE-INJUN
4700502138	Cabot	PEYTONA COAL CO. #53	DEVONIAN SHALE-INJUN-BIG LIME
4700502153	Cabot	L.R.& P. #53R	BEREA-INJUN
4700502161	Cabot	LENNING ESTATE #10	DEVONIAN SHALE-INJUN
4700502163	Cabot	LITTLE COAL LAND "C" #43	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4700502164	Cabot	LENNING ESTATE #14	DEVONIAN SHALE-INJUN
4700502197	Cabot	BULL CREEK "A" #34	DS-INJ-BL
4700502202	Cabot	LITTLE COAL LAND "C" #44	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4700502209	Cabot	PEYTONA COAL CO. #56	DEVONIAN SHALE-INJUN-BIG LIME
4700502213	Cabot	LITTLE COAL LAND "C" #42 S	DEVONIAN SHALE-BEREA-INJUN
4700502219	Cabot	FEDERAL COAL CO. #114	BEREA-DEVONIAN SHALE-BIG LIME
4700502221	Cabot	FEDERAL COAL CO. #110	BEREA-DEVONIAN SHALE
4700502222	Cabot	FEDERAL COAL CO. #111	BEREA-DEVONIAN SHALE
4700502230	Cabot	FEDERAL COAL CO. #112	BEREA-DEVONIAN SHALE-BIG LIME
4700502231	Cabot	FEDERAL COAL CO. #113	MARCELLUS-HURON-RHINESTREET-BEREA
4700502233	Cabot	FEDERAL COAL CO. #106	WEIR-DEVONIAN SHALE-BIG LIME
4700502234	Cabot	HILL "B" #1	DEVONIAN SHALE-BE-INJ
4700502237	Cabot	LITTLE COAL LAND "C" #45	BEREA-DEVONIAN SHALE-INJUN
4700502248	Cabot	CASSINGHAM #44	BEREA-DEVONIAN SHALE-INJUN
4700502252	Cabot	LITTLE COAL LAND "C" #63	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4700502253	Cabot	CASSINGHAM #46	BEREA-DEVONIAN SHALE-BIG LIME
4700502263	Cabot	LITTLE COAL LAND "C" #52	MARCELLUS SHALE-DEVONIAN SHALE-BEREA-INJUN
4700502265	Cabot	LITTLE COAL LAND "A" # 3	BEREA-DEVONIAN SHALE-INJUN
4700502266	Cabot	LITTLE COAL LAND "C" #54	DEVONIAN SHALE-BEREA-INJUN
4700502267	Cabot	LITTLE COAL LAND "C" #56	DEVONIAN SHALE-BEREA-INJUN
4700502268	Cabot	LITTLE COAL LAND "C" #55	BEREA-DEVONIAN SHALE-INJUN
4700502271	Cabot	FEDERAL COAL CO. #109S	DS-BE-WE-BL
4700502276	Cabot	BALLARD "A" #2R	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4700502287	Cabot	LITTLE COAL LAND "C" #53R	DEVONIAN SHALE-BEREA-INJUN
4700502298	Cabot	HILL "C" #1	DEVONIAN SHALE-BE-BL
4701100683	Cabot	JENKINS, VIRGINIA # 1	DEVONIAN SHALE
4701303338	Cabot	WESTFALL, A. # 3	BIG INJUN
4701304315	Cabot	BOTANICAN #1367	DEVONIAN SHALE
4701304316	Cabot	BOTANICAN #1368	DEVONIAN SHALE
4701304382	Cabot	SMITH, J.M. #1	TRENTON-BLACK RIVER
4701304394	Cabot	SPEIDEL #1 (DRY)	TRENTON-BLACK RIVER
4701304547	Cabot	LEWIS BALL #6	DEVONIAN SHALE
4701304584	Cabot	WHIPKEY #5	MARCELLUS-2ND RILEY-ALEXANDER-L. ELK-RHINESTREET
4701304599	Cabot	BALL, O. # 1	DEVONIAN SHALE-MARCELLUS
4701304618	Cabot	DYE # 2	DEVONIAN SHALE-MARCELLUS
4701304619	Cabot	KIGHT-BICKLE # 3	MARCELLUS-2ND RILEY-ALEXANDER-L. ELK-RHINESTREET
4701500061	Cabot	HILL & LONG # 8	INJUN
4701500334	Cabot	C & H CORPORATION # 3	INJUN
4701500761	Cabot	WEBSTER HARDWOOD # 1	INJUN
4701500909	Cabot	HILL & LONG "A" # 5	BLUE MONDAY-INJUN-KEENER
4701500976	Cabot	HILL & LONG "A" # 8	BLUE MONDAY-INJUN-KEENER
4701500993	Cabot	HILL & LONG "B" # 4	BIG LIME-INJUN-KEENER
4701500995	Cabot	SIZEMORE, EVANS # 1	INJUN-KEENER
4701500996	Cabot	SIZEMORE, MAMIE # 1	INJUN
4701500997	Cabot	MORRIS, E. R. # 1	INJUN-SQUAW
4701500998	Cabot	HILL & LONG "B" # 5	INJUN
4701500999	Cabot	SIZEMORE, LOWELL # 1	INJUN
4701501000	Cabot	STONE, W. B. # 1	INJUN
4701501001	Cabot	STONE, W. B. "A" # 1	BIG LIME-INJUN
4701501002	Cabot	SIZEMORE, GEORGE # 1	INJUN
4701501004	Cabot	MORTON, FRED # 1	INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4701501005	Cabot	C & H CORPORATION "B" # 1	INJUN
4701501006	Cabot	DORSEY, RUSSELL # 1	BIG LIME-INJUN-KEENER
4701501007	Cabot	MORTON, FRED # 2	INJUN
4701501016	Cabot	CALDWELL, GUY # 1	INJUN
4701501017	Cabot	CALDWELL, GUY # 2	INJUN
4701501018	Cabot	MULLINS, MAUDE # 1	INJUN
4701501019	Cabot	MORTON, GEORGE HEIRS # 1	INJUN-WEIR
4701501020	Cabot	MORRIS, INIS # 1	BIG LIME
4701501021	Cabot	CRUIKSHANK, THELMA # 1	BIG LIME-INJUN-KEENER
4701501022	Cabot	SIZEMORE, MARK # 1	INJUN-KEENER
4701501023	Cabot	MORTON, FRED # 3	INJUN
4701501024	Cabot	WALKER, HENRY # 1	INJUN
4701501025	Cabot	CRUIKSHANK, THELMA # 2	INJUN
4701501027	Cabot	JOHNSON, JAMES # 1	INJUN
4701501028	Cabot	NEAL, MARK # 1	BIG LIME-INJUN-SQUAW
4701501029	Cabot	STONE, W. B. # 3	INJUN
4701501030	Cabot	STONE, W. B. # 2	INJUN
4701501031	Cabot	MAHOOD, B. # 1	BIG LIME-INJUN-KEENER
4701501032	Cabot	MORTON, PAUL # 1	INJUN
4701501033	Cabot	HOWES, A. # 1	INJUN
4701501034	Cabot	HOWES, A. # 2	BIG LIME-INJUN
4701501035	Cabot	HOWES, A. # 3	INJUN
4701501041	Cabot	WEBSTER HARDWOOD "B" # 1	BIG LIME-INJUN
4701501042	Cabot	WEBSTER HARDWOOD "B" # 2	BIG LIME-WEIR
4701501043	Cabot	WEBSTER HARDWOOD "B" # 3	INJUN
4701501044	Cabot	WEBSTER HARDWOOD "B" # 4	INJUN
4701501045	Cabot	COCHRAN, P. # 1	INJUN
4701501046	Cabot	EAKLE, B. C. # 1	INJUN
4701501047	Cabot	EAKLE, B. C. # 2	INJUN-KEENER
4701501048	Cabot	NICHOLS, C. B. # 1	BIG LIME-INJUN
4701501055	Cabot	HOWES, A. # 4	BIG LIME-INJUN
4701501056	Cabot	HOWES, A. # 5	INJUN
4701501061	Cabot	HOWES, A. # 6	BIG LIME-INJUN
4701501062	Cabot	REED, E. R. # 1	INJUN
4701501063	Cabot	KEENEY, MARY UNIT # 1	INJUN
4701501064	Cabot	YODER, THELMA # 1	INJUN
4701501074	Cabot	MAHOOD, B. # 2	BIG LIME-INJUN
4701501078	Cabot	HOWES, A. # 7	BIG LIME-INJUN
4701501079	Cabot	HOWES, A. # 8	INJUN
4701501080	Cabot	HOWES, A. #10	INJUN
4701501081	Cabot	MURPHY, NINA # 1	BIG LIME-INJUN
4701501084	Cabot	REED, E. R. # 2	BIG LIME-INJUN
4701501086	Cabot	KING, K. # 1	INJUN
4701501093	Cabot	REED, JAMES # 1	INJUN-KEENER
4701501099	Cabot	HOWES, A. # 9	BIG LIME
4701501100	Cabot	HOWES, A. #11	BIG LIME-INJUN
4701501103	Cabot	NEAL, MARK # 2	INJUN-KEENER
4701501113	Cabot	MCINTOSH, F. F. # 1	BIG LIME-INJUN
4701501127	Cabot	MURPHY, NINA # 2	INJUN
4701501129	Cabot	MORTON, J. G. # 1	BIG LIME-INJUN
4701501148	Cabot	CALDWELL-SHELTON # 1	BIG LIME-INJUN
4701501149	Cabot	LESUEUR, R. E. # 1	INJUN
4701501150	Cabot	LESUEUR, R. E. # 2	INJUN
4701501155	Cabot	LESUEUR, R. E. # 3	INJUN
4701501156	Cabot	LESUEUR, R. E. # 4	INJUN
4701501157	Cabot	DINGESS-RUM COAL CO. # 1	INJUN
4701501158	Cabot	DINGESS-RUM COAL CO. # 2	INJUN
4701501159	Cabot	DINGESS-RUM COAL CO. # 3	BIG LIME-INJUN
4701501160	Cabot	HOWES, A. #14	BIG LIME-INJUN-KEENER
4701501161	Cabot	REEDY COAL RESERVE # 1	BIG LIME-INJUN-SQUAW
4701501191	Cabot	BRENHOLTS, ROY # 1	BIG LIME-BLUE MONDAY
4701501201	Cabot	CARPER-DORSEY # 1	KEENER
4701501202	Cabot	MCINTOSH, F. F. # 5	BIG LIME-INJUN
4701501205	Cabot	FOREMAN, G. D. # 1	INJUN-KEENER

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4701501206	Cabot	MORTON, KATHLEEN # 1	INJUN
4701501207	Cabot	C & H CORPORATION "B" # 8	INJUN-KEENER
4701501211	Cabot	C & H CORPORATION "B" # 6	INJUN-KEENER
4701501212	Cabot	C & H CORPORATION "B" # 9	INJUN-KEENER
4701501215	Cabot	C & H CORPORATION "B" # 7	INJUN-KEENER
4701501229	Cabot	FOGLESONG, PAULINE "A" # 1	INJUN
4701501230	Cabot	FOGLESONG, PAULINE # 1	INJUN-KEENER
4701501231	Cabot	CALDWELL-SHELTON-WOOD "A" # 1	INJUN-KEENER
4701501269	Cabot	MORTON, J. G. # 2	INJUN
4701501373	Cabot	HILL & LONG # 3	BIG LIME-KEENER
4701501374	Cabot	HILL & LONG # 4	BIG LIME-INJUN-KEENER
4701501375	Cabot	HILL & LONG # 5	INJUN-KEENER-WEIR
4701502282	Cabot	HILL & LONG "B" #16	INJUN-KEENER
4701502370	Cabot	HAMRICK, VERA # 1	INJUN
4701502445	Cabot	HILL & LONG "B" #20	INJUN-KEENER
4701502446	Cabot	HILL & LONG "B" #21	INJUN-KEENER
4701502466	Cabot	CLELAND, LOIS # 1	INJUN-KEENER
4701502564	Cabot	HILL & LONG "B" #23	BIG LIME-INJUN-KEENER
4701502565	Cabot	HILL & LONG "A" #11	BIG LIME-INJUN-KEENER
4701502589	Cabot	HILL & LONG "B" #24	BIG LIME-INJUN-KEENER
4701502592	Cabot	WEBSTER HARDWOOD "B" # 5	INJUN
4701502596	Cabot	WEBSTER HARDWOOD "B" # 6	BIG LIME-INJUN
4701502627	Cabot	WEBSTER HARDWOOD "B" # 7	INJUN
4701502629	Cabot	HILL & LONG "B" #25	INJUN-KEENER
4701900005	Cabot	KANAWHA GAULEY # 1	BIG LIME-INJUN-KEENER
4701900014	Cabot	KANAWHA-HOCKING # 5	INJUN
4701900015	Cabot	KANAWHA GAULEY # 4	KEENER
4701900031	Cabot	KANAWHA GAULEY # 7	BIG LIME-INJUN-WEIR
4701900032	Cabot	KANAWHA GAULEY # 8	INJUN
4701900033	Cabot	KANAWHA GAULEY # 9	WEIR
4701900034	Cabot	KANAWHA GAULEY #10	BEREA-WEIR
4701900087	Cabot	NEWMAN, W. C. # 4	BIG LIME-INJUN
4701900107	Cabot	EASTERN GAS & FUEL CO. # 2	BIG LIME
4701900109	Cabot	MCDONALD, ANGUS # 2	MAXTON-WEIR
4701900165	Cabot	MCDONALD, ANGUS # 3	MAXTON-WEIR
4701900172	Cabot	EASTERN GAS & FUEL CO. # 3	WEIR
4701900180	Cabot	MCDONALD, ANGUS "A" # 1	MAXTON-WEIR
4701900183	Cabot	MCDONALD, ANGUS "A" # 3	MAXTON-WEIR
4701900185	Cabot	CANNELTON COAL CO. "A" # 1	BEREA-INJUN-WEIR
4701900186	Cabot	CANNELTON COAL CO. "A" # 2	WEIR
4701900195	Cabot	CANNELTON COAL CO. "A" # 3	INJUN-WEIR
4701900198	Cabot	JOHNSON, W. R. COAL CO. # 1	BEREA-INJUN-WEIR
4701900199	Cabot	MONTGOMERY HEIRS # 1	BEREA-INJUN-WEIR
4701900200	Cabot	MCDONALD, ANGUS "A" # 4	MAXTON-WEIR
4701900203	Cabot	NEWMAN "A" # 1	INJUN-KEENER
4701900204	Cabot	MCDONALD, ANGUS "A" # 5	BIG LIME-MAXTON
4701900205	Cabot	EASTERN GAS & FUEL CO. A1	WEIR
4701900206	Cabot	KANAWHA GAULEY "A" # 1	INJUN-WEIR
4701900210	Cabot	CANNELTON INDUSTRIES "B" # 1	INJUN-KEENER-MAXTON
4701900211	Cabot	CANNELTON INDUSTRIES "B" # 2	INJUN-KEENER
4701900221	Cabot	HILL, H. E. # 1	INJUN-KEENER
4701900229	Cabot	CANNELTON INDUSTRIES "B" # 4	INJUN-KEENER
4701900233	Cabot	JOHNSON, W. R. # 1	BIG LIME-INJUN
4701900234	Cabot	KANAWHA GAULEY "C" # 1	BIG LIME-INJUN-KEENER
4701900244	Cabot	EASTERN GAS & FUEL CO. A2	BIG LIME-WEIR
4701900245	Cabot	MCDONALD, ANGUS "A" # 6	MAXTON-WEIR
4701900247	Cabot	EASTERN GAS & FUEL CO. A3	WEIR
4701900256	Cabot	NAYLOR, OCIE UNIT # 1	INJUN-KEENER
4701900258	Cabot	KANAWHA GAULEY "D" # 1	KEENER
4701900259	Cabot	KANAWHA GAULEY "D" # 2	BIG LIME-INJUN-KEENER-MAXTON
4701900266	Cabot	CANNELTON COAL CO. "A" # 8	BEREA-WEIR
4701900267	Cabot	ESTEP, EVERETT # 1	BIG LIME-INJUN
4701900275	Cabot	KANAWHA GAULEY "B" # 1	BIG LIME-INJUN-WEIR
4701900276	Cabot	KANAWHA GAULEY "B" # 2	BIG LIME-INJUN-WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4701900278	Cabot	DEITZ & LUTTRELL # 1	BIG LIME-INJUN
4701900281	Cabot	KANAWHA GAULEY "A" # 3	WEIR
4701900285	Cabot	BROOKS, MARY # 1	BIG LIME-INJUN
4701900286	Cabot	KANAWHA GAULEY "A" # 4	SQUAW
4701900336	Cabot	ROBSON-PRICHARD-LAFOLLETTE # 2	WEIR
4701900337	Cabot	ROBSON-PRICHARD-LAFOLLETTE # 3	INJUN-KEENER
4701900338	Cabot	SMITH, JOHN # 1	BIG LIME-INJUN-KEENER
4701900339	Cabot	NEWMAN, F. W. # 1	INJUN-KEENER
4701900341	Cabot	KANAWHA GAULEY # 2	BEREA-WEIR
4701900358	Cabot	KANAWHA GAULEY "B" # 3	BIG LIME-WEIR
4701900613	Cabot	MCDONALD, ANGUS "A" #11R	RAVENCLIFF-WEIR
4701900620	Cabot	MCDONALD, ANGUS "A" #12R	WEIR
4701900626	Cabot	PEABODY # 5	BIG LIME-INJUN
4701900628	Cabot	PEABODY # 3	INJUN-KEENER
4701900635	Cabot	PEABODY # 2A	BIG LIME-INJUN-KEENER
4701900636	Cabot	PEABODY # 4A	BIG LIME-INJUN-KEENER
4701900637	Cabot	PEABODY # 6	BIG LIME-INJUN-KEENER
4701900656	Cabot	PEABODY #10	INJUN-KEENER
4701900697	Cabot	KANAWHA GAULEY "B" #18	BIG LIME-INJUN-WEIR
4701900718	Cabot	KANAWHA GAULEY "B" #19	INJUN-WEIR
4701900730	Cabot	KANAWHA GAULEY "B" #24	BEREA
4701900744	Cabot	JOHNSON, WILLIAM # 2	INJUN-POCONO
4701900752	Cabot	JOHNSON, WILLIAM # 3	INJUN-POCONO
4701900756	Cabot	KANAWHA GAULEY "B" #23	BIG LIME-INJUN-WEIR
4701900765	Cabot	NEWMAN, W. C. # 3	BIG INJUN
4701900766	Cabot	WOOD, ROBERT # 1 (EMAX)	
4701900768	Cabot	KANAWHA GAULEY "B" #20	INJUN-WEIR
4701900816	Cabot	CANNELTON COAL CO. "A" #11	INJUN-KEENER
4701900820	Cabot	CANNELTON COAL CO. "A" #12	BEREA-KEENER-WEIR
4701900830	Cabot	EASTERN GAS & FUEL CO. A6	BIG LIME-WEIR
4701900842	Cabot	PEABODY # 7	BIG LIME-INJUN
4701900848	Cabot	KANAWHA GAULEY "B" #28	BEREA-KEENER-WEIR
4701900848	Cabot	KANAWHA GAULEY "B" #28 (BP)	BIG LIME
4701900867	Cabot	ESTEP, EVERETT # 2	BIG LIME-INJUN
4701900868	Cabot	KANAWHA GAULEY "B" #29	BEREA-BIG LIME-KEENER-WEIR
4701900869	Cabot	KANAWHA GAULEY "B" #30	BEREA-KEENER-WEIR
4701900882	Cabot	KANAWHA GAULEY "B" #31R	BEREA-WEIR
4701900924	Cabot	PEABODY # 9	BIG LIME- WEIR
4701901007	Cabot	CANNELTON COAL CO. "A" #14	KEENER-INJUN-DEVONIAN SHALE FAULT
4701901009	Cabot	KANAWHA GAULEY "B" #33	INJUN-KEENER-BIG LIME
4701901010	Cabot	NEWMAN, W. C. # 6	INJUN-KEENER
4701901011	Cabot	NEWMAN, W. C. # 7	INJUN-BIG LIME-KEENER
4701901012	Cabot	EASTERN GAS & FUEL CO. A7	MARCELLUS-GORDON-WEIR-MAXTON
4702500002	Cabot	LUSK, V. H. # 1 (P&A)	HUNTERSVILLE CHERT
4702500003	Cabot	THORNBURY, INC. # 1	HUNTERSVILLE CHERT
4703301156	Cabot	DUNCAN, ERNEST # 2	UPPER DEVONIAN
4703302223	Cabot	BROWN, MARY # 1	DEVONIAN SHALE
4703302365	Cabot	MCDONALD-DEEMS # 2	DEVONIAN SHALE
4703302454	Cabot	MCDONALD-DEEMS # 4	DEVONIAN SHALE
4703500079	Cabot	PUTNAM LAND CO. # 9	ORISKANY
4703500090	Cabot	PUTNAM LAND CO. #11	ORISKANY
4703500090	Cabot	PUTNAM LAND CO. #11 (BP)	DEVONIAN SHALE
4703500524	Cabot	PUTNAM LAND CO. #41	DEVONIAN SHALE
4703500547	Cabot	CASTO, T. D. # 1	HURON SHALE
4703500548	Cabot	BOSWELL, LUCY # 1	HURON SHALE
4703500548	Cabot	BOSWELL, LUCY # 1 (WORKOVER)	DEVONIAN SHALE
4703500990	Cabot	BROTHERTON, HAROLD # 1	BEREA
4703500993	Cabot	BROTHERTON, CHARLES E. # 1	ORISKANY
4703500993	Cabot	BROTHERTON, CHARLES E. # 1 (BP)	DEVONIAN SHALE
4703501003	Cabot	CARNEY, G. W. # 2	DEVONIAN SHALE
4703501006	Cabot	VANCE, G. W. # 1	DEVONIAN SHALE
4703501007	Cabot	MOORE, JOHN T. # 1	ORISKANY
4703501012	Cabot	KAY, RAYMOND # 1	DEVONIAN SHALE
4703501022	Cabot	SMITH, RAY # 1	DEVONIAN SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703501030	Cabot	PARSONS, C. W. # 1	DEVONIAN SHALE
4703501037	Cabot	PARSONS, C. W. # 2	DEVONIAN SHALE
4703501526	Cabot	MCLEAN, J. L. "A" # 55	DEVONIAN SHALE
4703501577	Cabot	BROTHERTON # 1	BEREA
4703501579	Cabot	PARSONS, C. O. "B" # 1	DEVONIAN SHALE
4703501598	Cabot	PUTNAM LAND CO. "B" # 35	DEVONIAN SHALE
4703502280	Cabot	MCLEAN, J. L. "A" # 62	ORISKANY
4703502367	Cabot	CABOT - KENNA # 3	BEREA-DEVONIAN SHALE
4703502370	Cabot	NEWHOUSE, ANNA MAE # 1	BEREA-DEVONIAN SHALE
4703502371	Cabot	NEWHOUSE, ANNA MAE # 2	BEREA-DEVONIAN SHALE
4703502372	Cabot	WHITE, HOWARD # 1	BEREA-DEVONIAN SHALE
4703502376	Cabot	BRANNON, ETHEL # 1	BEREA-DEVONIAN SHALE
4703502377	Cabot	CABOT - KENNA # 4	BEREA-DEVONIAN SHALE
4703502378	Cabot	CABOT - KENNA # 5	BEREA-DEVONIAN SHALE
4703502379	Cabot	CABOT - KENNA # 2	BEREA-DEVONIAN SHALE
4703502389	Cabot	FABER, LARRY #1	BEREA-DEVONIAN SHALE
4703502395	Cabot	COCHRAN, DORSEL # 1	BEREA-DEVONIAN SHALE
4703502415	Cabot	FABER, LARRY #862	BEREA-DEVONIAN SHALE
4703502439	Cabot	HARDY, FRANK #865	BEREA-DEVONIAN SHALE
4703502449	Cabot	MCCOY, SHEILA # 1 (346 CROUSEN)	ORISKANY
4703502639	Cabot	CHANCEY #1 RECOMPLETE	MARCELLUS SHALE-HURON SHALE
4703502697	Cabot	MCLEAN, J. L. "A" #136	RHINESTREET-HURON
4703502715	Cabot	PARSONS, C. W. # 3	RHINESTREET-HURON
4703502740	Cabot	NCEE #1056, HARVEY	BEREA-DEVONIAN SHALE
4703502817	Cabot	PUTNAM LAND CO. "B" # 59	MARCELLUS-RHINESTREET-HURON-BEREA
4703502892	Cabot	PUTNAM LAND CO. "B" # 83	MARCELLUS-RHINESTREET-HURON-BEREA
4703900019	Cabot	HUNTINGTON, ARABELLA # 35	
4703900026	Cabot	CANNELTON COAL CO. # 2	WEIR
4703900048	Cabot	QUINCY COAL CO. #16	WEIR
4703900050	Cabot	HUNTINGTON, ARABELLA # 39	BEREA-BIG LIME-WEIR
4703900052	Cabot	TOMPKINS HEIRS # 4	BEREA
4703900076	Cabot	TOMPKINS HEIRS # 5	BIG LIME-WEIR
4703900121	Cabot	HUNTINGTON, ARABELLA # 40	BIG LIME-INJUN-WEIR
4703900132	Cabot	HUNTINGTON, ARABELLA # 43	BIG LIME-INJUN-WEIR
4703900134	Cabot	TOMPKINS HEIRS # 6	BIG LIME-INJUN-DEVONIAN SHALE
4703900135	Cabot	HUNTINGTON, ARABELLA # 45	BIG LIME-WEIR
4703900136	Cabot	HUNTINGTON, ARABELLA # 46	BIG LIME-INJUN-WEIR
4703900137	Cabot	HUNTINGTON, ARABELLA # 47	INJUN-WEIR
4703900146	Cabot	HUNTINGTON, ARABELLA # 48	BIG LIME-INJUN-WEIR
4703900148	Cabot	WILLIAMS COAL CO. #261	BEREA
4703900159	Cabot	HUNTINGTON, ARABELLA # 51	WEIR
4703900167	Cabot	CROCKETT, CAROLINE #10	RAVENCLIFF
4703900182	Cabot	PUTNEY, ALBERTA # 1	DEVONIAN SHALE
4703900186	Cabot	TOMPKINS, NELLIE # 1	INJUN
4703900214	Cabot	TOMPKINS, NELLIE # 2	ORISKANY
4703900217	Cabot	SLAUGHTERS CREEK # 3	BEREA
4703900219	Cabot	TOMPKINS, NELLIE # 3	ORISKANY
4703900220	Cabot	LEVI-PLUS # 2	ORISKANY
4703900223	Cabot	TOMPKINS HEIRS # 9	DEVONIAN SHALE-ORISKANY
4703900262	Cabot	GRAPEVINE "A" - C.C. FISHER #7323	BIG LIME
4703900263	Cabot	TOMPKINS, NELLIE # 4	ORISKANY
4703900294	Cabot	SILER COAL & LAND CO. # 1	HURON SHALE
4703900324	Cabot	SILER COAL & LAND CO. # 2	HURON SHALE
4703900338	Cabot	GOOD, J. E. # 1 (0898)	ORISKANY
4703900350	Cabot	TOMPKINS, NELLIE # 6	ORISKANY
4703900361	Cabot	MEYERS, L. A. "A" #11	BEREA
4703900371	Cabot	SILER COAL & LAND CO. # 3	HURON SHALE
4703900397	Cabot	SILER COAL & LAND CO. # 4	BIG LIME
4703900402	Cabot	WILLIAMS, MAXINE # 1	DEVONIAN SHALE-ORISKANY
4703900403	Cabot	WILLIAMS COAL CO. #276	BEREA
4703900428	Cabot	SISSONVILLE SF - H. A. SHIRKEY, ET UX	BIG LIME
4703900470	Cabot	SILER COAL & LAND CO. # 5	HURON SHALE
4703900472	Cabot	SISSONVILLE SF - VIRGINIA V. MAIRS	BIG LIME
4703900492	Cabot	WILLIAMS COAL CO. #281	BEREA

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703900552	Cabot	SLAUGHTERS CREEK # 8	BEREA
4703900588	Cabot	DERRICKS CREEK - SUN SAND CO. #7186	BIG LIME
4703900592	Cabot	SLAUGHTERS CREEK # 9	BEREA-BIG LIME
4703900607	Cabot	DERRICKS CREEK - SUN SAND CO. #7185	BIG LIME
4703900619	Cabot	DERRICKS CREEK - SUN SAND CO. #7274	BIG LIME
4703900621	Cabot	DERRICKS CREEK - POCA COAL LAND #7184	BIG LIME
4703900622	Cabot	MCLEAN, J. L. # 2	ORISKANY
4703900628	Cabot	SUPPLE, FRED # 1	BIG LIME-HURON SHALE
4703900651	Cabot	CROCKETT, CAROLINE # 4	BIG LIME-WEIR
4703900657	Cabot	CROCKETT, CAROLINE # 5	BIG LIME-WEIR
4703900659	Cabot	DERRICKS CREEK - C.C. FISHER #7183	BIG LIME
4703900661	Cabot	JONES, MANSFIELD # 1	ORISKANY
4703900673	Cabot	SILER COAL & LAND CO. # 6	BIG LIME-HURON SHALE
4703900688	Cabot	DERRICKS CREEK - FISHER A. BONHAM #7196	BIG LIME
4703900689	Cabot	BONHAM # 3	ORISKANY
4703900690	Cabot	SILER COAL & LAND CO. # 7	BIG LIME-HURON SHALE
4703900696	Cabot	DERRICKS CREEK - SHELLY E. PRITT #7275	BIG LIME
4703900714	Cabot	DERRICKS CREEK - SUN SAND CO. #7182	BIG LIME
4703900715	Cabot	SILER COAL & LAND CO. # 8	MARCELLUS-HURON-RHINESTREET-UPPER DEVONIAN
4703900715	Cabot	SILER COAL & LAND CO. # 8 - DEEPENING	DEVONIAN SHALE
4703900735	Cabot	PUTNAM LAND CO. #14	ORISKANY
4703900736	Cabot	BROWNS CREEK - JARRETT, H. P.	BIG LIME
4703900747	Cabot	SILER COAL & LAND CO. # 9	HURON SHALE
4703900766	Cabot	DERRICKS CREEK - RAYMOND M. BIAS #7187	BIG LIME
4703900781	Cabot	SILER COAL & LAND CO. #10	HURON SHALE
4703900794	Cabot	SILER COAL & LAND CO. #11	HURON SHALE
4703900801	Cabot	BAILEY, EDNA # 1	ORISKANY
4703900803	Cabot	MORTON, HOLMES # 6	DEVONIAN SHALE-MARCELLUS
4703900806	Cabot	PUTNAM LAND CO. #17	ORISKANY
4703900812	Cabot	BAILEY, I. M. # 1	ORISKANY
4703900813	Cabot	BOWEN, EMMETT # 1	BEREA-DEVONIAN SHALE
4703900820	Cabot	PUTNAM LAND CO. #19	ORISKANY
4703900840	Cabot	SILER COAL & LAND CO. #12 (TOTALS)	BIG LIME-HURON SHALE-INJUN
4703900843	Cabot	PUTNAM LAND CO. #23	ORISKANY
4703900844	Cabot	DERRICK, MICHAEL # 1	ORISKANY
4703900856	Cabot	PUTNAM LAND CO. #25	DEVONIAN SHALE
4703900877	Cabot	POCA COAL CO. # 6	ORISKANY
4703900882	Cabot	DERRICKS CREEK - WM G. YOUNG #7188	BIG LIME
4703900884	Cabot	SPILMAN, E. D. # 1	DEVONIAN SHALE
4703900893	Cabot	MORTON, HOLMES # 7	ORISKANY
4703900896	Cabot	POCA COAL CO. # 7	ORISKANY
4703900921	Cabot	NULL, J. M. # 1	DEVONIAN SHALE
4703900930	Cabot	SLAUGHTERS CREEK #11	BEREA
4703900940	Cabot	BURFORD, ADAM # 1	ORISKANY
4703900942	Cabot	POCA COAL CO. #10	ORISKANY
4703900993	Cabot	DERRICKS CREEK - WM G. YOUNG #7189	BIG LIME
4703901017	Cabot	MILAM, H. B. # 1	ORISKANY
4703901035	Cabot	DERRICKS CREEK - WILDA M. PUGH #7358	BIG LIME
4703901042	Cabot	SLAUGHTERS CREEK #12	BEREA
4703901218	Cabot	SILER COAL & LAND CO. #17	HURON SHALE
4703901249	Cabot	CANNELTON COAL CO. #15	BEREA-WEIR
4703901310	Cabot	SLAUGHTERS CREEK #13	BEREA
4703901358	Cabot	WINKLER, SARAH # 2	WEIR
4703901369	Cabot	MEYERS, L. A. "A" # 2	WEIR
4703901431	Cabot	WINKLER, SARAH # 3	WEIR
4703901445	Cabot	MARMET COAL CO. # 1	WEIR
4703901459	Cabot	MARMET COAL CO. # 8	SQUAW
4703901481	Cabot	BROWNS CREEK - ORA CYRUS, ET UX	BIG LIME
4703901486	Cabot	BROWNS CREEK - ARVEL BIRD 7039	BIG LIME
4703901506	Cabot	BROWNS CREEK - CHARLESTON NATIONAL BANK	BIG LIME
4703901509	Cabot	GRAPEVINE "A" - C.C. FISHER #7029	BIG LIME
4703901510	Cabot	GRAPEVINE "A" - E.B. FISHER #7028	BIG LIME
4703901521	Cabot	GRAPEVINE "A" - C.C. FISHER #7030	BIG LIME
4703901522	Cabot	SISSONVILLE SF - JOHN J. BEANE, ET UX	BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703901535	Cabot	MARMET COAL CO. #14	BIG LIME-SQUAW
4703901542	Cabot	BROWNS CREEK - ARVEL BIRD, 7148	BIG LIME
4703901543	Cabot	MARMET COAL CO. #16	WEIR
4703901545	Cabot	SMITH, ROY # 1	BEREA-DEVONIAN SHALE
4703901555	Cabot	MARMET COAL CO. #22	WEIR
4703901569	Cabot	DERRICKS CREEK - WM E. FISHER #7191	BIG LIME
4703901570	Cabot	DERRICKS CREEK - CENTRAL TRUST #7192	BIG LIME
4703901571	Cabot	DERRICKS CREEK - SUN SAND CO. #7193	BIG LIME
4703901572	Cabot	DERRICKS CREEK - SUN SAND CO. #7194	BIG LIME
4703901573	Cabot	DERRICKS CREEK - FISHER A. BONHAM #7195	BIG LIME
4703901577	Cabot	CHILDRESS, S. E. # 1	DEVONIAN SHALE
4703901588	Cabot	BROWNS CREEK - ARVEL BIRD	BIG LIME
4703901595	Cabot	PAULEY, E. F. # 1	DEVONIAN SHALE
4703901597	Cabot	SISSONVILLE SF - JOHN J. BEANE, ET UX	BIG LIME
4703901599	Cabot	GRAPEVINE "A" - E.B. FISHER #1599	BIG LIME
4703901613	Cabot	DERRICKS CREEK - FISHER A. BONHAM #7277	BIG LIME
4703901620	Cabot	DERRICKS CREEK - O. E. BOSTIC #7278	BIG LIME
4703901626	Cabot	ARNOLD, OLLIE # 1	DEVONIAN SHALE
4703901627	Cabot	HOLSTEIN, C. V. # 1	DEVONIAN SHALE
4703901630	Cabot	SHONK LAND CO. # 14	BIG LIME
4703901633	Cabot	SHONK LAND CO. # 15	BIG LIME
4703901635	Cabot	SHONK LAND CO. # 17	BIG LIME
4703901637	Cabot	YOUNG, J. W. # 1	DEVONIAN SHALE
4703901638	Cabot	LAWSON, EZRA # 1	DEVONIAN SHALE
4703901645	Cabot	SHONK LAND CO. # 18 (DEEPENING)	DEVONIAN SHALE
4703901648	Cabot	STOVER, S. C. # 1	DEVONIAN SHALE
4703901713	Cabot	LEWIS HOLDING CO. # 1	SALT SAND
4703901718	Cabot	STOVER, W. R. "A" # 1	DEVONIAN SHALE
4703901724	Cabot	LEWIS HOLDING CO. # 2	MAXTON-WEIR
4703901736	Cabot	LEWIS HOLDING CO. # 3 (SOLD)	MAXTON-WEIR
4703901769	Cabot	LEWIS HOLDING CO. # 5	KEENER
4703901775	Cabot	BERRY HILLS # 1	DEVONIAN SHALE
4703901783	Cabot	CLEEK, DELSIE # 1	BEREA-BIG LIME-DEVONIAN SHALE
4703901800	Cabot	HUNTINGTON, ARABELLA # 53	BIG LIME-WEIR
4703901806	Cabot	LEWIS HOLDING CO. # 6	KEENER-MAXTON-WEIR
4703901849	Cabot	LEWIS HOLDING CO. # 7	BIG LIME-KEENER-WEIR
4703901863	Cabot	LEWIS HOLDING CO. # 8	KEENER-WEIR
4703901864	Cabot	LEWIS HOLDING CO. # 9	KEENER-WEIR
4703901875	Cabot	LEWIS HOLDING CO. #10	MAXTON
4703901895	Cabot	LAWSON, ROSA # 1	DEVONIAN SHALE
4703901905	Cabot	DUNCAN, JOHN # 1 (P&A)	BEREA-DEVONIAN SHALE
4703901968	Cabot	CROCKETT, CAROLINE # 8	BIG LIME-INJUN
4703901982	Cabot	BOWERS #11	WEIR
4703901998	Cabot	TOMPKINS, NELLIE # 8	INJUN
4703902019	Cabot	TOMPKINS, NELLIE # 9	INJUN
4703902026	Cabot	RAYMOND CITY # 6	ORISKANY
4703902111	Cabot	WILLIAMS, H. F. # 1	ORISKANY.
4703902217	Cabot	BURFORD, ADAM # 2 (P&A)	NEWBURG
4703902217	Cabot	BURFORD, ADAM # 2 (BP)	DEVONIAN SHALE
4703902227	Cabot	TATE, JOSEPH # 1	NEWBURG
4703902234	Cabot	BURFORD, R. L. # 1	DEVONIAN SHALE-ORISKANY
4703902255	Cabot	ALFORD-JARRETT # 1	DEVONIAN SHALE
4703902258	Cabot	NULL, J. M. # 2	DEVONIAN SHALE
4703902345	Cabot	DAVISON FUEL & DOCK CO. B1	DEVONIAN SHALE-ORISKANY
4703902376	Cabot	JONES, HOMER # 1	BIG LIME
4703902397	Cabot	TROWBRIDGE, Z. H. # 1	DEVONIAN SHALE
4703902502	Cabot	MCDONALD, ANGUS "A" # 2	MAXTON-WEIR
4703902564	Cabot	CANNELTON COAL CO. "A" # 4	BEREA-INJUN-WEIR
4703902566	Cabot	HUNTINGTON, ARABELLA "A" # 1	INJUN-WEIR
4703902578	Cabot	HUNTINGTON, ARABELLA "A" # 3	BEREA-WEIR
4703902626	Cabot	CANNELTON COAL CO. "A" # 5	BEREA-INJUN-WEIR
4703902627	Cabot	CANNELTON COAL CO. "A" # 6	BEREA-INJUN-WEIR
4703902627	Cabot	CANNELTON COAL CO. "A" # 6 C (OLD)	BEREA
4703902627	Cabot	CANNELTON COAL CO. "A" # 6 T (OLD)	INJUN-WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703902707	Cabot	CANNELTON COAL CO. "A" # 7	BIG LIME-INJUN-WEIR
4703902758	Cabot	CANNELTON COAL CO. "A" # 9	BIG LIME-WEIR
4703902759	Cabot	CANNELTON COAL CO. "A" #10	BIG LIME-INJUN-WEIR
4703902767	Cabot	DICKINSON, H. C. "A" # 1	WEIR
4703902796	Cabot	SHONK LAND CO. # 31	BIG LIME
4703902851	Cabot	BOWERS # 6	WEIR
4703902852	Cabot	BOWERS # 8	WEIR
4703902853	Cabot	BOWERS # 9	WEIR
4703902854	Cabot	BOWERS #10	WEIR
4703902855	Cabot	BOWERS #12	WEIR
4703902856	Cabot	BOWERS #13	WEIR
4703902857	Cabot	BOWERS #14	WEIR
4703902858	Cabot	BOWERS #15	WEIR
4703902859	Cabot	BOWERS #16	WEIR
4703902860	Cabot	BOWERS #17	WEIR
4703902861	Cabot	BOWERS #18	WEIR
4703902862	Cabot	BOWERS #19	WEIR
4703902864	Cabot	BETTINGER, C. T. # 1	WEIR
4703902866	Cabot	BLUE FLAME # 4	KEENER
4703902867	Cabot	BLUE FLAME # 5	BIG LIME-KEENER
4703902869	Cabot	BOWERS # 2	WEIR
4703902870	Cabot	BOWERS # 5	WEIR
4703902871	Cabot	HUNTINGTON, ARABELLA # 21	WEIR
4703902872	Cabot	HUNTINGTON, ARABELLA # 23	WEIR
4703902873	Cabot	HUNTINGTON, ARABELLA # 24	WEIR
4703902874	Cabot	HUNTINGTON, ARABELLA # 25	BEREA-WEIR
4703902875	Cabot	HUNTINGTON, ARABELLA # 28	WEIR
4703902876	Cabot	HUNTINGTON, ARABELLA # 29	WEIR
4703902877	Cabot	HUNTINGTON, ARABELLA # 32	WEIR
4703902878	Cabot	HUNTINGTON, ARABELLA # 2 (P&A)	BEREA-KEENER-WEIR
4703902879	Cabot	HUNTINGTON, ARABELLA # 5 (P&A)	BEREA-WEIR
4703902883	Cabot	HUNTINGTON, ARABELLA # 18	WEIR
4703902884	Cabot	QUINCY COAL CO. #17	WEIR
4703902885	Cabot	TOMPKINS HEIRS # 1	BEREA
4703902886	Cabot	TOMPKINS HEIRS # 3	BEREA
4703902888	Cabot	TOMPKINS, H. P. # 1	SQUAW
4703902889	Cabot	TOMPKINS, H. P. # 3	BIG LIME-WEIR
4703902890	Cabot	TOMPKINS, H. P. # 4	WEIR
4703902891	Cabot	TOMPKINS, H. P. # 5	BIG LIME-WEIR
4703902893	Cabot	TOMPKINS, H. P. # 7	WEIR
4703902894	Cabot	TOMPKINS, H. P. # 8	WEIR
4703902897	Cabot	HUNTINGTON, ARABELLA # 34	BEREA-WEIR
4703902898	Cabot	HUNTINGTON, ARABELLA # 38	BEREA-WEIR
4703902905	Cabot	BOWERS #20	WEIR
4703902906	Cabot	BOWERS #21	WEIR
4703902908	Cabot	BOWERS #23	WEIR
4703902909	Cabot	BOWERS #24	WEIR
4703902910	Cabot	BOWERS #25	WEIR
4703902911	Cabot	BOWERS #27 (P&A)	WEIR
4703902912	Cabot	BOWERS #28	WEIR
4703902913	Cabot	BOWERS #29	WEIR
4703902914	Cabot	BOWERS #30	WEIR
4703902915	Cabot	BOWERS #31	WEIR
4703902916	Cabot	CANNELTON COAL CO. # 1	BEREA-WEIR
4703902917	Cabot	BAILLIE, B. D. # 1	WEIR
4703902919	Cabot	ROBSON, GEORGE # 1	WEIR
4703902921	Cabot	STONE, S. M. # 1	KEENER-WEIR
4703902922	Cabot	MCCONIHAY, WILLIAM # 1	WEIR
4703902927	Cabot	QUINCY COAL CO. # 1	WEIR
4703902929	Cabot	QUINCY COAL CO. # 5	WEIR
4703902930	Cabot	QUINCY COAL CO. # 9	WEIR
4703902931	Cabot	QUINCY COAL CO. #13	WEIR
4703902932	Cabot	QUINCY COAL CO. # 6	WEIR
4703902933	Cabot	MEYERS, L. A. "A" # 1	WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703902934	Cabot	MEYERS, L. A. "B" # 9	BIG LIME
4703902935	Cabot	MEYERS, L. A. "B" #10	WEIR
4703902936	Cabot	MARMET COAL CO. #18	WEIR
4703902942	Cabot	MARMET COAL CO. # 9	BIG LIME-SQUAW
4703902943	Cabot	MARMET COAL CO. #10	WEIR
4703902944	Cabot	MARMET COAL CO. #11	WEIR
4703902945	Cabot	MARMET COAL CO. #17	BIG LIME-WEIR
4703902953	Cabot	CRENSHAW, L. G. # 4	WEIR
4703902954	Cabot	CROCKETT, CAROLINE # 1	WEIR
4703902955	Cabot	CROCKETT, CAROLINE # 2	BIG LIME-WEIR
4703902964	Cabot	MARMET COAL CO. # 2	WEIR
4703902965	Cabot	MARMET COAL CO. # 3	WEIR
4703902967	Cabot	MARMET COAL CO. # 5	SQUAW-WEIR
4703902968	Cabot	MARMET COAL CO. # 6	WEIR
4703902969	Cabot	MARMET COAL CO. # 7	WEIR
4703902970	Cabot	WEHRLE, JOSEPH # 1	WEIR
4703902971	Cabot	WINKLER, SARAH # 4	KEENER
4703902972	Cabot	HANCOCK # 1	WEIR
4703902973	Cabot	HANCOCK # 7	WEIR
4703902974	Cabot	DICKINSON, J. Q. "A" # 1	INJUN-WEIR
4703902975	Cabot	DICKINSON, J. Q. "A" # 2	WEIR
4703902976	Cabot	DICKINSON, J. Q. "A" # 4	WEIR
4703902977	Cabot	DICKINSON, J. Q. "A" # 8	WEIR
4703902978	Cabot	DICKINSON, J. Q. "A" # 7	WEIR
4703902979	Cabot	CRENSHAW, L. G. # 1	INJUN-WEIR
4703902980	Cabot	CRENSHAW, L. G. # 3	WEIR
4703902981	Cabot	CRENSHAW, L. G. # 2	WEIR
4703903147	Cabot	BROWNS CREEK - ROBINSON J. H., ET UX	BIG LIME
4703903340	Cabot	WILLIAMS COAL CO. #257	BEREA
4703903392	Cabot	SISSONVILLE SF - RUTH R. COPENHAVER	BIG LIME
4703903420	Cabot	QUINCY COAL CO. # 4	WEIR
4703903425	Cabot	HUNTINGTON, ARABELLA # 12	WEIR
4703903426	Cabot	HUNTINGTON, ARABELLA # 22	WEIR
4703903427	Cabot	HUNTINGTON, ARABELLA # 27	WEIR
4703903429	Cabot	HUNTINGTON, ARABELLA # 13	WEIR
4703903430	Cabot	QUINCY COAL CO. # 3	WEIR
4703903431	Cabot	QUINCY COAL CO. # 7	WEIR
4703903434	Cabot	QUINCY COAL CO. # 8	WEIR
4703903440	Cabot	CANNELTON COAL CO. # 3	WEIR
4703903441	Cabot	CANNELTON COAL CO. #14	WEIR
4703903446	Cabot	HUNTINGTON, ARABELLA # 20	WEIR
4703903447	Cabot	HUNTINGTON, ARABELLA # 30	WEIR
4703903506	Cabot	SILER COAL & LAND CO. "A" # 1 C	BIG LIME
4703903506	Cabot	SILER COAL & LAND CO. "A" # 1 T	DEVONIAN SHALE
4703903507	Cabot	SILER COAL & LAND CO. "A" # 2	DEVONIAN SHALE
4703903513	Cabot	SILER COAL & LAND CO. "A" # 4 C	BIG LIME
4703903513	Cabot	SILER COAL & LAND CO. "A" # 4 T	DEVONIAN SHALE
4703903517	Cabot	SILER COAL & LAND CO. "A" # 5	DEVONIAN SHALE
4703903551	Cabot	DICKINSON, J. Q. "A" # 6	WEIR
4703903573	Cabot	ALLEN, JAMES # 1	DEVONIAN SHALE
4703903574	Cabot	BERRY HILLS # 3	BIG LIME-DEVONIAN SHALE
4703903575	Cabot	KOGOY, JOHN # 1	DEVONIAN SHALE
4703903577	Cabot	RIVERTON COAL CO. # 1	WEIR
4703903578	Cabot	MIDELBURG, ARNOLD # 1 C	BIG LIME
4703903578	Cabot	MIDELBURG, ARNOLD # 1 T	DEVONIAN SHALE
4703903579	Cabot	SHUMAN, C.A. # 1	DEVONIAN SHALE
4703903591	Cabot	TURLEY, J. S. # 1	DEVONIAN SHALE
4703903611	Cabot	FORD, JOHN # 1	DEVONIAN SHALE
4703903614	Cabot	SILER COAL & LAND CO. "A" # 6	DEVONIAN SHALE
4703903615	Cabot	SILER COAL & LAND CO. "A" # 7	DEVONIAN SHALE
4703903624	Cabot	BURFORD, C. E. # 1	DEVONIAN SHALE
4703903625	Cabot	MCCORMICK, M. K. # 1	DEVONIAN SHALE
4703903647	Cabot	TAIT, JOHN # 1	DEVONIAN SHALE
4703903648	Cabot	SILER COAL & LAND CO. "A" #12	DEVONIAN SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703903649	Cabot	SILER COAL & LAND CO. "A" #15	DEVONIAN SHALE
4703903651	Cabot	SILER COAL & LAND CO. "A" #11 C	BIG LIME
4703903651	Cabot	SILER COAL & LAND CO. "A" #11 T	DEVONIAN SHALE
4703903652	Cabot	SILER COAL & LAND CO. "A" #16 C	BIG LIME
4703903652	Cabot	SILER COAL & LAND CO. "A" #16 T	DEVONIAN SHALE
4703903653	Cabot	SILER COAL & LAND CO. "A" #17 C	BIG LIME
4703903653	Cabot	SILER COAL & LAND CO. "A" #17 T	DEVONIAN SHALE
4703903672	Cabot	PITTMAN, W. E. # 1	DEVONIAN SHALE
4703903673	Cabot	KIRK & MILLER # 1	DEVONIAN SHALE
4703903674	Cabot	KIRK & MILLER # 2	DEVONIAN SHALE
4703903725	Cabot	BERRY HILLS # 4	DEVONIAN SHALE
4703903726	Cabot	BERRY HILLS # 6	DEVONIAN SHALE
4703903727	Cabot	LIVELY, CLAYTON # 1	DEVONIAN SHALE
4703903728	Cabot	WEBSTER, G. C. # 1	DEVONIAN SHALE
4703903729	Cabot	FOSTER, LOUIE # 1	DEVONIAN SHALE
4703903742	Cabot	WILLIAMS COAL CO. #379	BEREA-BIG LIME
4703903747	Cabot	SILER COAL & LAND CO. "A" #13	DEVONIAN SHALE
4703903749	Cabot	ELLIS # 2	DEVONIAN SHALE
4703903750	Cabot	MALLORY, SHIRLEY # 1 C	BIG LIME
4703903750	Cabot	MALLORY, SHIRLEY # 1 T	DEVONIAN SHALE
4703903751	Cabot	TROWBRIDGE, Z. H. # 2	BIG LIME
4703903752	Cabot	GATES & TAYLOR # 1	DEVONIAN SHALE
4703903753	Cabot	SILER COAL & LAND CO. "A" #14	DEVONIAN SHALE
4703903767	Cabot	GEORGE, P. J. # 1 C	BIG LIME
4703903767	Cabot	GEORGE, P. J. # 1	DEVONIAN SHALE
4703903768	Cabot	TYLER, M. B. # 1	DEVONIAN SHALE
4703903781	Cabot	BERRY HILLS # 5A	DEVONIAN SHALE
4703903782	Cabot	BERRY HILLS # 7	DEVONIAN SHALE
4703903787	Cabot	WILLIAMS COAL CO. #380	BEREA
4703903845	Cabot	STOWERS, CECIL # 1	DEVONIAN SHALE
4703903858	Cabot	WILLIAMS COAL CO. #381	BEREA
4703903988	Cabot	TOMPKINS, H. P. #11	WEIR
4703904007	Cabot	SHONK LAND CO. # 35	BIG LIME-DEVONIAN SHALE-MAXTON-WEIR
4703904089	Cabot	SHONK LAND CO. # 34	BIG LIME-GORDON-MAXTON
4703904127	Cabot	HUNTINGTON, ARABELLA "A" #22	INJUN-WEIR
4703904128	Cabot	HUNTINGTON, ARABELLA "A" #23	BIG LIME-INJUN-WEIR
4703904142	Cabot	HUNTINGTON, ARABELLA "A" #24	BIG LIME-INJUN-WEIR
4703904144	Cabot	HUNTINGTON, ARABELLA "A" #26	BIG LIME-INJUN-WEIR
4703904262	Cabot	CROCKETT, CAROLINE # 3	BIG LIME-WEIR
4703904485	Cabot	BOY SCOUTS OF AMERICA # 1	INJUN
4703904530	Cabot	SHONK LAND CO. # 41 (COMMINGLED)	MAXTON-BIG LIME-WEIR
4703904530	Cabot	SHONK LAND CO. # 41 (LS)	BIG LIME-WEIR
4703904531	Cabot	SHONK LAND CO. # 42 (SS)	WEIR
4703904531	Cabot	SHONK LAND CO. # 42 (LS)	GORDON
4703904557	Cabot	HUNTINGTON, ARABELLA "A" #27	INJUN-WEIR
4703904658	Cabot	SHONK LAND CO. # 62	BIG LIME-GORDON-INJUN
4703904665	Cabot	SHEPPARD, WALTON # 1	BEREA
4703904666	Cabot	SHEPPARD, WALTON # 2	BEREA
4703904701	Cabot	WILLIAMS COAL CO. #386-A	DEVONIAN SHALE-WEIR
4703904742	Cabot	SISSONVILLE SF - JOHN J. BEANE, ET UX	BIG LIME
4703904743	Cabot	GRAPEVINE "A" - CHARLES L. HUMPHREYS	BIG LIME
4703904744	Cabot	BROWNS CREEK - U4130	BIG LIME
4703904772	Cabot	WILLIAMS COAL # 1 (EAE ORRI)	WEIR
4703904792	Cabot	WILLIAMS COAL # 2 (EAE ORRI)	WEIR
4703904793	Cabot	WILLIAMS COAL # 4 (EAE ORRI)	WEIR
4703904812	Cabot	SHONK LAND CO. # 1 (EAE ORRI)	DEVONIAN SHALE
4703904820	Cabot	L.R.& P. "B" # 1 (EAE ORRI)	HURON SHALE
4703904821	Cabot	L.R.& P. "B" # 3 (EAE ORRI)	HURON SHALE
4703904824	Cabot	TOMPKINS, NELLIE "A" # 1 (P&A)	DEVONIAN SHALE
4703904826	Cabot	HUNTINGTON, ARABELLA "A" #30	BIG LIME-KEENER-WEIR
4703904848	Cabot	SLAUGHTERS CREEK # 5 (EAE ORRI)	BEREA-WEIR
4703904851	Cabot	SHONK LAND CO. # 49	WEIR
4703904852	Cabot	SHONK LAND CO. # 54	BIG LIME
4703904853	Cabot	SHONK LAND CO. # 56	WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703904855	Cabot	CARBON FUEL # 2 (EAE ORRI)	WEIR
4703904860	Cabot	LEWIS HOLDING CO. #12R (LS) (OLD)	DEVONIAN SHALE
4703904860	Cabot	LEWIS HOLDING CO. #12R (SS) (OLD)	MAXTON-WEIR
4703904860	Cabot	LEWIS HOLDING CO. #12R (SS) (BP)	SALT SAND
4703904860	Cabot	LEWIS HOLDING CO. #12R (COMMINGLED)	SALT SAND-DEVONIAN SHALE
4703904882	Cabot	CARBON FUEL # 6 (EAE ORRI)	BEREA-BIG LIME
4703904893	Cabot	LEWIS HOLDING CO. #13	WEIR
4703904897	Cabot	LEWIS HOLDING CO. #14	KEENER-WEIR
4703904914	Cabot	SHONK LAND CO. # 43	WEIR
4703904917	Cabot	SHONK LAND CO. # 45	MAXTON
4703904917	Cabot	SHONK LAND CO. # 45 (BP)	BIG LIME-KEENER
4703904918	Cabot	SHONK LAND CO. # 57	WEIR
4703904920	Cabot	LEWIS HOLDING CO. #15	BIG LIME-KEENER-WEIR
4703904920	Cabot	LEWIS HOLDING CO. #15 (SS) (BP)	SALT SAND
4703904921	Cabot	LEWIS HOLDING CO. #19	KEENER-WEIR
4703904922	Cabot	SHONK LAND CO. # 63	BIG LIME-INJUN-SALT SAND
4703904922	Cabot	SHONK LAND CO. # 63 (SS)	SALT SAND
4703904926	Cabot	HUNTINGTON, ARABELLA "A" #38	INJUN-KEENER
4703904931	Cabot	LEWIS HOLDING CO. #16	BIG LIME-KEENER-WEIR
4703904933	Cabot	SHONK LAND CO. # 76	BIG LIME-LOWER MAXTON
4703904934	Cabot	SHONK LAND CO. # 78	WEIR
4703904935	Cabot	LEWIS HOLDING CO. #24	INJUN-WEIR
4703904937	Cabot	LEWIS HOLDING CO. #23	BIG LIME-KEENER-WEIR
4703904938	Cabot	LEWIS HOLDING CO. #18	KEENER-WEIR
4703904940	Cabot	BLACK BAND FUEL "C" # 1	ORISKANY
4703904950	Cabot	LEWIS HOLDING CO. #17	KEENER-WEIR
4703905005	Cabot	LEWIS HOLDING CO. #21	BIG LIME-KEENER-WEIR
4703905010	Cabot	HUNTINGTON, ARABELLA # 54	BEREA-BIG LIME-KENNER-WEIR
4703905018	Cabot	LEWIS HOLDING CO. #20	KEENER-WEIR
4703905019	Cabot	LEWIS HOLDING CO. #31	BIG LIME-KEENER-WEIR
4703905026	Cabot	LEWIS HOLDING CO. #30	BIG LIME-KEENER-WEIR
4703905030	Cabot	LEWIS HOLDING CO. #25	KEENER-WEIR
4703905033	Cabot	LEWIS HOLDING CO. #27	BIG LIME-KEENER-WEIR
4703905033	Cabot	LEWIS HOLDING CO. #27 (BP)	SALT SAND
4703905072	Cabot	LEWIS HOLDING CO. #26	BIG LIME-KEENER-WEIR
4703905078	Cabot	L.R.& P. "C" #12	WEIR
4703905079	Cabot	LEWIS HOLDING CO. #32	KEENER-WEIR
4703905082	Cabot	SHONK LAND CO. # 80	BIG LIME-KEENER
4703905089	Cabot	HUNTINGTON, ARABELLA # 60	BIG LIME-WEIR
4703905115	Cabot	LEWIS HOLDING CO. #28	BIG LIME-KEENER-WEIR
4703905124	Cabot	LEWIS HOLDING CO. #22	KEENER-WEIR
4703905125	Cabot	LEWIS HOLDING CO. #33	KEENER-WEIR
4703905126	Cabot	HUNTINGTON, ARABELLA # 62	BEREA-KEENER-WEIR
4703905140	Cabot	LEWIS HOLDING CO. #35	KEENER-WEIR
4703905141	Cabot	SHONK LAND CO. # 81	BEREA-GORDON-WEIR
4703905142	Cabot	SHONK LAND CO. # 82	MAXTON
4703905145	Cabot	POCA COAL CO. #16	BEREA-DEVONIAN SHALE
4703905146	Cabot	MCLEAN, J. L. "A" # 10	BEREA-DEVONIAN SHALE
4703905166	Cabot	SHONK LAND CO. # 85	BIG LIME-MAXTON-RAVENCLIFF
4703905181	Cabot	LEVI - DICKENSON # 1	BIG LIME-INJUN-SHALE-WEIR
4703905225	Cabot	HUNTINGTON, ARABELLA # 68	BEREA-BIG LIME-WEIR
4703905237	Cabot	HUNTINGTON, ARABELLA # 65	BEREA-BIG LIME-KEENER-WEIR
4703905246	Cabot	PUTNAM LAND CO. #51	BEREA-DEVONIAN SHALE
4703905249	Cabot	LEVI - DICKENSON # 2	DEVONIAN SHALE
4703905254	Cabot	LEVI - DICKENSON # 3	WEIR
4703905372	Cabot	HUNTINGTON, ARABELLA # 67	BEREA-KEENER-WEIR
4703905373	Cabot	HUNTINGTON, ARABELLA # 70	BEREA-KEENER-WEIR-BIG LIME
4703905374	Cabot	HUNTINGTON, ARABELLA # 71	KEENER-WEIR
4703905375	Cabot	HUNTINGTON, ARABELLA # 66	BIG LIME-WEIR
4703905376	Cabot	HUNTINGTON, ARABELLA # 74	WEIR-BEREA-KEENER
4703905381	Cabot	HUNTINGTON, ARABELLA # 76	BEREA-KEENER-WEIR
4703905395	Cabot	C. C. LEWIS HEIRS #42	KEENER-WEIR
4703905404	Cabot	MCLEAN, J. L. "A" # 70	NEWBURG-ORISKANY
4703905404	Cabot	MCLEAN, J. L. "A" # 70 (BP)	DEVONIAN SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703905421	Cabot	SILER COAL & LAND CO. #19S	BIG LIME-DEVONIAN SHALE
4703905424	Cabot	SHONK LAND CO. # 87R	WEIR
4703905485	Cabot	HUNTINGTON, ARABELLA # 77	BEREA-WEIR-KEENER
4703905553	Cabot	SHONK LAND CO. # 93	BIG LIME-KEENER-MAXTON
4703905553	Cabot	SHONK LAND CO. # 93 (BP)	SALT SAND
4703905554	Cabot	SHONK LAND CO. # 99	MAXTON-INJUN-BIG LIME
4703905555	Cabot	SHONK LAND CO. #100	BIG LIME-KEENER-SALT SAND
4703905653	Cabot	SLAUGHTERS CREEK #14	BEREA-BIG LIME-SHALE
4703905654	Cabot	SLAUGHTERS CREEK #15	BEREA-BIG LIME-SHALE
4703905657	Cabot	SHONK LAND CO. # 86R-S	DEVONIAN SHALE-BIG LIME
4703905692	Cabot	PUTNAM LAND CO. "B" # 57	MARCELLUS-RHINESTREET-HURON-BEREA
4703905692	Cabot	PUTNAM LAND CO. "B" # 57 (BP)	BIG LIME
4703905703	Cabot	MCLEAN, J. L. "A" #139	MARCELLUS-RHINESTREET-HURON-BEREA
4703905714	Cabot	RAYMOND CITY #11	MARCELLUS-RHINESTREET-HURON-DEVONIAN SHALE-BEREA
4703905715	Cabot	HUNTINGTON, ARABELLA # 89	WEIR-KEENER-BIG LIME
4703905716	Cabot	HUNTINGTON, ARABELLA # 90	WEIR-KEENER-BIG LIME
4703905717	Cabot	HUNTINGTON, ARABELLA # 91	WEIR
4703905835	Cabot	HUNTINGTON, ARABELLA # 99	HURON SHALE-GORDON-BEREA-WEIR-BIG LIME
4703905836	Cabot	HUNTINGTON, ARABELLA #100	GORDON-WEIR-KEENER-BIG LIME
4703905843	Cabot	SILER COAL & LAND CO. "A" #18	MARCELLUS-HURON-RHINESTREET-BIG LIME
4703905854	Cabot	SILER COAL & LAND CO. "A" #20	MARCELLUS-HURON-RHINESTREET-INJUN
4703905855	Cabot	SILER COAL & LAND CO. "A" #21	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4703905859	Cabot	SLAUGHTERS CREEK #16	BEREA-WEIR
4703905860	Cabot	SLAUGHTERS CREEK #17	BEREA-WEIR
4703905875	Cabot	MCLEAN, J. L. "A" #144	MARCELLUS-RHINESTREET-HURON
4703905879	Cabot	HARDY HEIRS "B" #19	MARCELLUS-RHINESTREET-HURON
4703905904	Cabot	SILER COAL & LAND CO. "A" #22	DEVONIAN SHALE-BIG LIME
4703905911	Cabot	HUNTINGTON, ARABELLA # 95	WEIR-KEENER-BIG LIME
4703905937	Cabot	POCA COAL CO. #17	RHINESTREET-HURON
4703905938	Cabot	SLAUGHTERS CREEK #18	BEREA-WEIR
4703905939	Cabot	SLAUGHTERS CREEK #19	BEREA-WEIR-INJUN
4703905959	Cabot	HUNTINGTON, ARABELLA # 98	GORDON-WEIR-KEENER
4703905965	Cabot	MCLEAN, J. L. "A" #156	HURON-BEREA
4703905979	Cabot	MCLEAN, J. L. "A" #167	MARCELLUS-RHINESTREET-HURON-BEREA
4703905987	Cabot	HUNTINGTON, ARABELLA # 94	MARCELLUS-BEREA-KEENER
4703905988	Cabot	MORTON, D. H. #13	HURON
4703905991	Cabot	SILER COAL & LAND CO. "A" #23 R	DEVONIAN SHALE-INJUN-BIG LIME
4703905992	Cabot	MORTON, D. H. #12	ORISKANY
4703905992	Cabot	MORTON, D. H. #12 (BP)	RHINESTREET-HURON
4703905996	Cabot	MCLEAN, J. L. "A" #158	RHINESTREET-HURON
4703905999	Cabot	MCLEAN, J. L. "A" #143	RHINESTREET-HURON
4703906001	Cabot	MCLEAN, J. L. "A" #157	RHINESTREET-HURON
4703906002	Cabot	MCLEAN, J. L. "A" #145	RHINESTREET-HURON
4703906015	Cabot	POCA COAL CO. #18	RHINESTREET-HURON-BIG LIME
4703906016	Cabot	HARDY HEIRS "B" #21	RHINESTREET-HURON-BEREA
4703906018	Cabot	PUTNAM LAND CO. "B" # 65	RHINESTREET-HURON
4703906019	Cabot	PUTNAM LAND CO. "B" # 62R	MARCELLUS-RHINESTREET-HURON-BEREA
4703906023	Cabot	CARNEY #3	MARCELLUS-RHINESTREET-HURON-BEREA
4703906024	Cabot	MCLEAN, J. L. "A" #159	MARCELLUS-RHINESTREET-HURON
4703906025	Cabot	MCLEAN, J. L. "A" #185	RHINESTREET-HURON
4703906046	Cabot	CARNEY #2	MARCELLUS-RHINESTREET-HURON-BEREA
4703906047	Cabot	POCA COAL CO. "A" # 2	MARCELLUS-RHINESTREET-HURON-BEREA
4703906048	Cabot	MCLEAN, J. L. "A" #222	MARCELLUS-RHINESTREET-HURON-BEREA
4703906049	Cabot	MCLEAN, J. L. "A" #228	MARCELLUS-RHINESTREET-HURON-BEREA
4703906050	Cabot	MCLEAN, J. L. "A" #232	MARCELLUS-RHINESTREET-HURON-BEREA
4703906051	Cabot	PUTNAM LAND CO. "B" # 77	MARCELLUS-RHINESTREET-HURON-BEREA
4703906052	Cabot	PUTNAM LAND CO. "B" # 81	DEVONIAN SHALE
4703906053	Cabot	PUTNAM LAND CO. "B" # 93	MARCELLUS-RHINESTREET-HURON-BEREA
4703906054	Cabot	POCA COAL CO. #24	MARCELLUS-RHINESTREET-HURON-BEREA
4703906056	Cabot	MCLEAN, J. L. "A" #225	MARCELLUS-RHINESTREET-HURON-BEREA
4703906057	Cabot	PUTNAM LAND CO. "B" # 80	RHINESTREET-HURON-BEREA
4703906058	Cabot	MCLEAN, J. L. "A" #242	MARCELLUS-RHINESTREET-HURON-BEREA
4703906060	Cabot	POCA COAL CO. "A" # 6	MARCELLUS-RHINESTREET-HURON-BEREA
4703906061	Cabot	POCA COAL CO. "A" #12	MARCELLUS-RHINESTREET-HURON-BEREA

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4703906062	Cabot	POCA COAL CO. "A" #16	MARCELLUS-RHINESTREET-HURON-BEREA
4703906068	Cabot	POCA COAL CO. "A" #13	MARCELLUS-RHINESTREET-HURON-BEREA
4703906069	Cabot	POCA COAL CO. "B" # 4	MARCELLUS-RHINESTREET-HURON-BEREA
4703906070	Cabot	POCA COAL CO. "B" # 3	MARCELLUS-RHINESTREET-HURON-BEREA
4703906072	Cabot	POCA COAL CO. "A" # 9	MARCELLUS-RHINESTREET-HURON-BEREA
4703906081	Cabot	MCLEAN, J. L. "A" #219	MARCELLUS-RHINESTREET-HURON-BEREA
4703906082	Cabot	MCLEAN, J. L. "A" #220	MARCELLUS-RHINESTREET-HURON-BEREA
4703906083	Cabot	POCA COAL CO. "A" #19	MARCELLUS-RHINESTREET-HURON-BEREA
4703906086	Cabot	POCA COAL CO. "A" #14	MARCELLUS-RHINESTREET-HURON-BEREA
4703906088	Cabot	POCA COAL CO. "A" # 8	MARCELLUS-RHINESTREET-HURON-BEREA
4703906089	Cabot	POCA COAL CO. "B" # 2	MARCELLUS-RHINESTREET-HURON-BEREA
4703906091	Cabot	PUTNAM LAND CO. "B" # 88	MARCELLUS-RHINESTREET-HURON-BEREA
4703906095	Cabot	PUTNAM LAND CO. "B"# 90	MARCELLUS-RHINESTREET-HURON-BEREA
4703906096	Cabot	PUTNAM LAND CO. "B" # 92	MARCELLUS-RHINESTREET-HURON-BEREA
4703906098	Cabot	POCA COAL CO. "A" # 3	MARCELLUS-RHINESTREET-HURON-BEREA
4703906099	Cabot	PUTNAM LAND CO. "B" # 82	MARCELLUS-RHINESTREET-HURON-BEREA
4703906100	Cabot	PUTNAM LAND CO. "B" # 91	MARCELLUS-RHINESTREET-HURON-BEREA
4703906103	Cabot	PUTNAM LAND CO. "B" # 74	RHINESTREET-HURON-BEREA
4703906113	Cabot	POCA COAL CO. "A" #18	MARCELLUS-RHINESTREET-HURON-BEREA
4703906120	Cabot	POCA COAL CO. "A" #17	MARCELLUS-RHINESTREET-HURON-BEREA
4703906127	Cabot	MCLEAN, J. L. "A" #221	MARCELLUS-RHINESTREET-HURON-BEREA
4703906132	Cabot	POCA COAL CO. "A" #11	MARCELLUS-RHINESTREET-HURON-BEREA
4703906133	Cabot	PUTNAM LAND CO. "B" #101	MARCELLUS-RHINESTREET-HURON-BEREA
4703906137	Cabot	HARDY HEIRS "B" #23	MARCELLUS-RHINESTREET-HURON-BEREA
4703906155	Cabot	PUTNAM LAND CO. "B" # 89	MARCELLUS-RHINESTREET-HURON-BEREA
4703906177	Cabot	POCA COAL CO. "A" #15 S	MARCELLUS-RHINESTREET-HURON-BEREA
4703906224	Cabot	POWELL #1	BEREA
4704300183	Cabot	ADKINS, W. M. # 1 (TOTALS)	BEREA-BIG LIME-DEVONIAN SHALE
4704300512	Cabot	PORTER, PATTIE # 2	BEREA-DEVONIAN SHALE-INJUN
4704300541	Cabot	PORTER, PATTIE # 3	BEREA-DEVONIAN SHALE-INJUN
4704300552	Cabot	KOONTZ REALTY CO. # 1	HURON SHALE
4704300563	Cabot	PORTER, PATTIE # 4	HURON SHALE
4704300575	Cabot	KOONTZ REALTY CO. # 2	BEREA-HURON SHALE
4704300578	Cabot	PORTER, PATTIE # 5	BIG LIME
4704300612	Cabot	KOONTZ REALTY CO. # 3	HURON SHALE
4704300613	Cabot	ISLAND CREEK MINING # 1	DEVONIAN SHALE
4704300614	Cabot	PORTER, PATTIE # 6	BEREA-DEVONIAN SHALE-INJUN
4704300646	Cabot	PORTER, PATTIE # 7	DEVONIAN SHALE
4704300671	Cabot	STEIN & MCCOMAS # 1	BEREA-BIG LIME
4704300694	Cabot	STARCHER, F. F. # 1	BEREA-HURON SHALE
4704300695	Cabot	STEIN & MCCOMAS # 2	HURON SHALE
4704300709	Cabot	STARCHER, F. F. # 2 C	BIG LIME-INJUN
4704300709	Cabot	STARCHER, F. F. # 2 T	BEREA-HURON SHALE
4704300711	Cabot	LINCOLN LAND & MINING # 2	BEREA-BIG LIME
4704300753	Cabot	STEIN & MCCOMAS # 3 C	BEREA-INJUN
4704300753	Cabot	STEIN & MCCOMAS # 3 T	BEREA-INJUN
4704300767	Cabot	LINCOLN LAND & MINING # 3	DEVONIAN SHALE
4704300777	Cabot	STEIN & MCCOMAS # 4	HURON SHALE
4704300814	Cabot	STEIN & MCCOMAS # 5	BEREA-HURON SHALE
4704300893	Cabot	RUNYAN, ELWOOD # 1	DEVIONIAN SHALE
4704300935	Cabot	KOONTZ REALTY CO. # 4 (TOTALS)	BIG LIME
4704300937	Cabot	STEIN & MCCOMAS # 8	DEVONIAN SHALE
4704300940	Cabot	KOONTZ REALTY CO. # 5 C	BIG LIME
4704300940	Cabot	KOONTZ REALTY CO. # 5 T	DEVONIAN SHALE
4704300943	Cabot	STEIN & MCCOMAS # 9	HURON SHALE
4704300946	Cabot	KOONTZ REALTY CO. # 6 C	BIG LIME
4704300946	Cabot	KOONTZ REALTY CO. # 6 T	DEVONIAN SHALE
4704300952	Cabot	ISLAND CREEK MINING # 2 C	BIG LIME
4704300952	Cabot	ISLAND CREEK MINING # 2 T	BEREA-DEVONIAN SHALE
4704300953	Cabot	STEIN & MCCOMAS #10	INJUN
4704300954	Cabot	PORTER, PATTIE # 8 C	BIG LIME-INJUN
4704300954	Cabot	PORTER, PATTIE # 8 T	BEREA-HURON SHALE
4704300964	Cabot	STEIN & MCCOMAS #11	BEREA-HURON SHALE
4704300967	Cabot	PORTER, PATTIE # 9 C	INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704300967	Cabot	PORTER, PATTIE # 9 T	DEVONIAN SHALE
4704300968	Cabot	STEIN & MCCOMAS #12 T	BIG LIME
4704300968	Cabot	STEIN & MCCOMAS #12 C	BIG LIME
4704300974	Cabot	KOONTZ REALTY CO. # 7 C	BIG LIME
4704300974	Cabot	KOONTZ REALTY CO. # 7 T	DEVONIAN SHALE
4704300982	Cabot	ISLAND CREEK MINING # 3 C	BIG LIME-INJUN
4704300982	Cabot	ISLAND CREEK MINING # 3 T	DEVONIAN SHALE
4704300983	Cabot	PORTER, PATTIE #10 C	BEREA-HURON SHALE
4704300983	Cabot	PORTER, PATTIE #10 T	BIG LIME-INJUN
4704300987	Cabot	KOONTZ REALTY CO. # 8 C	BIG LIME
4704300987	Cabot	KOONTZ REALTY CO. # 8 T	DEVONIAN SHALE
4704300988	Cabot	STEIN & MCCOMAS #13	BIG LIME-HURON SHALE
4704300989	Cabot	STEIN & MCCOMAS #14	BEREA-HURON SHALE
4704300992	Cabot	KOONTZ REALTY CO. # 9	BEREA-HURON SHALE
4704300994	Cabot	STEIN & MCCOMAS #15 C	BEREA-BIG LIME
4704300994	Cabot	STEIN & MCCOMAS #15 T	HURON SHALE
4704300996	Cabot	KOONTZ REALTY CO. #11	DEVONIAN SHALE
4704301005	Cabot	ISLAND CREEK MINING # 4	BEREA-BIG LIME-DEVONIAN SHALE
4704301006	Cabot	KOONTZ REALTY CO. #10 C	BIG LIME
4704301006	Cabot	KOONTZ REALTY CO. #10 T	DEVONIAN SHALE
4704301007	Cabot	KOONTZ REALTY CO. #12 C	BIG LIME
4704301007	Cabot	KOONTZ REALTY CO. #12 T	DEVONIAN SHALE
4704301009	Cabot	ISLAND CREEK MINING # 5 C	BEREA
4704301009	Cabot	ISLAND CREEK MINING # 5 T	DEVONIAN SHALE
4704301010	Cabot	STEIN & MCCOMAS #16	BEREA-HURON SHALE
4704301014	Cabot	KOONTZ REALTY CO. #16 C	BIG LIME
4704301014	Cabot	KOONTZ REALTY CO. #16 T	DEVONIAN SHALE
4704301015	Cabot	KOONTZ-REALTY CO. #13	DEVONIAN SHALE
4704301030	Cabot	STEIN & MCCOMAS #18	INJUN
4704301032	Cabot	ISLAND CREEK MINING # 6 C	HURON SHALE
4704301032	Cabot	ISLAND CREEK MINING # 6 T	BIG LIME-INJUN
4704301033	Cabot	KOONTZ REALTY CO. #17	DEVONIAN SHALE
4704301039	Cabot	KOONTZ REALTY CO. #14	DEVONIAN SHALE
4704301040	Cabot	KOONTZ REALTY CO. #15 C	BIG LIME
4704301040	Cabot	KOONTZ REALTY CO. #15 T	DEVONIAN SHALE
4704301053	Cabot	KOONTZ REALTY CO. #18 C	BIG LIME
4704301053	Cabot	KOONTZ REALTY CO. #18 T	DEVONIAN SHALE
4704301054	Cabot	KOONTZ REALTY CO. #19 C	BIG LIME
4704301054	Cabot	KOONTZ REALTY CO. #19 T	DEVONIAN SHALE
4704301055	Cabot	KOONTZ REALTY CO. #20	DEVONIAN SHALE
4704301059	Cabot	STEIN & MCCOMAS #17	BEREA-HURON SHALE
4704301082	Cabot	HARVEY, T. H. # 1 C	BIG LIME
4704301082	Cabot	HARVEY, T. H. # 1 T	BIG LIME
4704301083	Cabot	ALEXANDER, G. J. # 1 (TOTALS)	BEREA-BIG LIME-DEVONIAN SHALE
4704301084	Cabot	STARCHER, F. F. # 3 C	BEREA-HURON SHALE
4704301084	Cabot	STARCHER, F. F. # 3 T	INJUN
4704301090	Cabot	HARVEY, T. H. # 2	BIG LIME
4704301091	Cabot	KOONTZ REALTY CO. #21	DEVONIAN SHALE
4704301092	Cabot	KOONTZ REALTY CO. #22	DEVONIAN SHALE
4704301104	Cabot	ISLAND CREEK MINING # 7	HURON SHALE
4704301105	Cabot	KOONTZ REALTY CO. #23 C	BIG LIME
4704301105	Cabot	KOONTZ REALTY CO. #23 T	DEVONIAN SHALE
4704301110	Cabot	STARCHER, F. F. # 4 C	BIG LIME-DEVONIAN SHALE
4704301110	Cabot	STARCHER, F. F. # 4 T	BIG LIME-DEVONIAN SHALE
4704301113	Cabot	KOONTZ REALTY CO. #24 C	BIG LIME
4704301113	Cabot	KOONTZ REALTY CO. #24 T	DEVONIAN SHALE
4704301114	Cabot	STEIN & MCCOMAS #19 C	BEREA-INJUN
4704301114	Cabot	STEIN & MCCOMAS #19 T	BEREA-INJUN
4704301118	Cabot	KOONTZ REALTY CO. #25 C	BIG LIME
4704301118	Cabot	KOONTZ REALTY CO. #25 T	DEVONIAN SHALE
4704301119	Cabot	STEIN & MCCOMAS #20 C	BIG LIME-HURON SHALE
4704301119	Cabot	STEIN & MCCOMAS #20 T	BIG LIME-HURON SHALE
4704301122	Cabot	STARCHER, F. F. # 5 C	BIG LIME-INJUN
4704301122	Cabot	STARCHER, F. F. # 5 T	BEREA-HURON SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704301131	Cabot	ISLAND CREEK MINING # 8 (TOTALS)	BEREA-BIG LIME
4704301131	Cabot	ISLAND CREEK MINING # 8 C	BEREA-BIG LIME
4704301131	Cabot	ISLAND CREEK MINING # 8 T	HURON SHALE
4704301132	Cabot	KOONTZ REALTY CO. #26	DEVONIAN SHALE
4704301143	Cabot	STARCHER, F. F. # 6 C	BIG LIME-INJUN
4704301143	Cabot	STARCHER, F. F. # 6 T	BEREA-HURON SHALE
4704301147	Cabot	ISLAND CREEK MINING # 9 C	BIG LIME-INJUN
4704301147	Cabot	ISLAND CREEK MINING # 9 T	HURON SHALE
4704301148	Cabot	ISLAND CREEK MINING #10 C	BEREA-INJUN
4704301148	Cabot	ISLAND CREEK MINING #10 T	HURON SHALE
4704301149	Cabot	ISLAND CREEK MINING #11 C	HURON SHALE
4704301149	Cabot	ISLAND CREEK MINING #11 T	BEREA-BIG LIME
4704301158	Cabot	STARCHER, F. F. # 7 C	BIG LIME-INJUN
4704301158	Cabot	STARCHER, F. F. # 7 T	BEREA-HURON SHALE
4704301165	Cabot	UNDERHILL, CHARLES # 1	DEVONIAN SHALE
4704301166	Cabot	ISLAND CREEK MINING #13 C	INJUN
4704301166	Cabot	ISLAND CREEK MINING #13 T	DEVONIAN SHALE
4704301167	Cabot	BOWMAN, MARY "B" # 1	DEVONIAN SHALE
4704301168	Cabot	ISLAND CREEK MINING #14 C	BEREA-BIG LIME
4704301168	Cabot	ISLAND CREEK MINING #14 T	DEVONIAN SHALE
4704301170	Cabot	BOWMAN, MARY "A" # 1	DEVONIAN SHALE
4704301171	Cabot	ISLAND CREEK MINING #15 C	HURON SHALE
4704301171	Cabot	ISLAND CREEK MINING #15 T	HURON SHALE
4704301172	Cabot	MORRIS, W. O. # 1	DEVONIAN SHALE
4704301173	Cabot	ISLAND CREEK MINING #12	BEREA-HURON SHALE
4704301177	Cabot	RUNYAN, ELWOOD # 2	DEVONIAN SHALE
4704301178	Cabot	STARCHER, F. F. # 9	BIG LIME-INJUN
4704301179	Cabot	ISLAND CREEK MINING #17 (DEEPENING)	MARCELLUS-HURON-RHINESTREET-BEREA-BIG LIME
4704301180	Cabot	RONK, R. H. # 1	DEVONIAN SHALE
4704301183	Cabot	RUNYAN, ELWOOD # 3	DEVONIAN SHALE
4704301187	Cabot	BARRETT-MALLORY # 1	DEVONIAN SHALE
4704301196	Cabot	KOONTZ REALTY CO. #27	BEREA-BIG LIME-DEVONIAN SHALE
4704301197	Cabot	HARVEY, T. H. # 3 C	BIG LIME
4704301197	Cabot	HARVEY, T. H. # 3 T	BIG LIME
4704301200	Cabot	HARVEY, T. H. # 5 C	BIG LIME
4704301200	Cabot	HARVEY, T. H. # 5 T	HURON SHALE
4704301223	Cabot	TURLEY, AUBREY # 1	DEVONIAN SHALE
4704301246	Cabot	HILL-HOY-THOMPSON # 1	DEVONIAN SHALE
4704301265	Cabot	UNDERHILL, CHARLES # 2	DEVONIAN SHALE
4704301318	Cabot	BOWMAN-HOPKINS # 1	DEVONIAN SHALE
4704301324	Cabot	BESS, MARY # 1	DEVONIAN SHALE
4704301366	Cabot	PAULEY-STOWERS # 1	VARIOUS
4704301376	Cabot	STARCHER, F. F. # 8 C	INJUN-RAVENCLIFF
4704301376	Cabot	STARCHER, F. F. # 8 T	BEREA-HURON SHALE
4704301377	Cabot	STARCHER, F. F. #10	HURON SHALE
4704301386	Cabot	STARCHER, F. F. #11 C	BEREA-BIG LIME
4704301386	Cabot	STARCHER, F. F. #11 T	HURON SHALE
4704301388	Cabot	STARCHER, F. F. #12 C	BEREA-BIG LIME
4704301388	Cabot	STARCHER, F. F. #12 T	HURON SHALE
4704301405	Cabot	STARCHER, F. F. #14 C	BEREA-HURON SHALE
4704301405	Cabot	STARCHER, F. F. #14 T	BIG LIME-INJUN
4704301406	Cabot	STARCHER, F. F. #13 C	BIG LIME
4704301406	Cabot	STARCHER, F. F. #13 T	BEREA-HURON SHALE
4704301409	Cabot	STARCHER, F. F. #15 C	BIG LIME-INJUN
4704301409	Cabot	STARCHER, F. F. #15 T	BEREA-HURON SHALE
4704301437	Cabot	STARCHER, F. F. #16	HURON SHALE
4704301441	Cabot	STARCHER, F. F. #18 C	HURON SHALE
4704301441	Cabot	STARCHER, F. F. #18 T	BEREA-BIG LIME
4704302879	Cabot	DUTY, MAUDE # 1	DEVONIAN SHALE
4704302880	Cabot	DUTY, MAUDE # 2	DEVONIAN SHALE
4704302884	Cabot	DUTY, MAUDE # 3	DEVONIAN SHALE
4704302885	Cabot	DUTY, MAUDE # 4	DEVONIAN SHALE
4704303144	Cabot	HILL #4	BEREA-DEVONIAN SHALE-INJUN-BIG LIME
4704303147	Cabot	STARCHER, F. F. #20	BEREA-DEVONIAN SHALE-INJUN-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704303175	Cabot	STARCHER, F. F. #22	BEREA-BIG LIME-KEENER-DEVON. SHALE
4704303190	Cabot	STARCHER, F. F. #23R	BEREA-BIG LIME-KEENER-DEV. SHALE
4704303191	Cabot	STEIN & MCCOMAS #21	INJUN-BEREA-DEVONIAN SHALE
4704303195	Cabot	HILL #6	BIG LIME-INJUN
4704303238	Cabot	STARCHER, F. F. #25	MARCELLUS-HURON-RHINESTREET-BEREA
4704303239	Cabot	STARCHER, F. F. #26	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704303266	Cabot	STEIN & MCCOMAS #22	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704303267	Cabot	STEIN & MCCOMAS #23	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704303268	Cabot	STEIN & MCCOMAS #24	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704303269	Cabot	ISLAND CREEK MINING #18	MARCELLUS-HURON-RHINESTREET-BEREA
4704303273	Cabot	ISLAND CREEK MINING #19	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704303274	Cabot	HATFIELD A-3	MARCELLUS-HURON-RHINESTREET-INJUN
4704303275	Cabot	HATFIELD A-2	DEVONIAN SHALE-BEREA-INJUN-BL
4704303277	Cabot	STARCHER, F. F. #29	DEVONIAN SHALE-BEREA-INJUN
4704303278	Cabot	HARVEY, T. H. #21	DEVONIAN SHALE-BEREA-BIG LIME
4704303315	Cabot	HATFIELD A-1-RR	DEVONIAN SHALE-INJUN-BL
4704303334	Cabot	LITTLE COAL LAND "C" #31	BEREA-BIG LIME-INJUN-DEV. SHALE
4704303350	Cabot	STARCHER, F. F. #43	BEREA-BIG LIME-INJUN-DEVONIAN SHALE
4704303351	Cabot	LITTLE COAL LAND "C" #62	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704303353	Cabot	LITTLE COAL LAND "C" #69	BEREA-DEV SHALE-INJUN
4704303364	Cabot	KOONTZ REALTY CO. #34	BEREA-DEVONIAN SHALE-INJUN-BIG LIME
4704303365	Cabot	STARCHER, F. F. #37	DEVONIAN SHALE-BEREA-INJUN
4704303366	Cabot	STARCHER, F. F. #38	BEREA-DEVONIAN SHALE-INJUN
4704303367	Cabot	STEIN & MCCOMAS #29	DEVONIAN SHALE-BEREA-INJUN
4704303368	Cabot	STARCHER, F. F. #31R	BEREA-DEVONIAN SHALE-BIG LIME
4704303369	Cabot	STARCHER, F. F. #34	BEREA-DEVONIAN SHALE
4704303370	Cabot	KOONTZ REALTY CO. #28	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704303371	Cabot	KOONTZ REALTY CO. #29	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704303372	Cabot	KOONTZ REALTY CO. #32	DEVONIAN SHALE-BEREA-INJUN
4704303373	Cabot	KOONTZ REALTY CO. #33	BEREA-DEVONIAN SHALE-INJUN
4704303376	Cabot	STEIN & MCCOMAS #25	BEREA-DEVONIAN SHALE-INJUN
4704303383	Cabot	STEIN & MCCOMAS #28	DEVONIAN SHALE-BEREA-INJUN
4704303384	Cabot	KOONTZ REALTY CO. #30	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704303385	Cabot	ISLAND CREEK MINING #21	BEREA-DEVONIAN SHALE-INJUN-BIG LIME
4704303386	Cabot	ISLAND CREEK MINING #22	BEREA-DEVONIAN SHALE-BIG LIME
4704303408	Cabot	STEIN & MCCOMAS #26	BEREA-DEVONIAN SHALE-INJUN
4704303420	Cabot	LITTLE COAL LAND "C" #68S	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704500009	Cabot	LAWSON HEIRS "B" # 3 C	BEREA-BIG LIME
4704500009	Cabot	LAWSON HEIRS "B" # 3 T	HURON SHALE
4704500028	Cabot	CONLEY, BETTY # 1	HURON SHALE
4704500166	Cabot	WHITE, FANNIE # 1	BIG LIME-HURON SHALE
4704500246	Cabot	BLANKENSHIP, R. J. # 1	BIG LIME-DEVONIAN SHALE
4704500464	Cabot	ELAHS FISH, CHARLOTTE B. # 1	BEREA-SHALE
4704500467	Cabot	LAWSON HEIRS "A" # 1 C	MAXTON
4704500467	Cabot	LAWSON HEIRS "A" # 1 T	SHALE
4704500490	Cabot	ISLAND CREEK MINING #16 C	HURON SHALE
4704500490	Cabot	ISLAND CREEK MINING #16 T	BIG LIME-INJUN
4704500509	Cabot	HARVEY, T. H. # 4	BIG LIME
4704500527	Cabot	HARVEY, T. H. # 6 C	BIG LIME
4704500527	Cabot	HARVEY, T. H. # 6 T	BEREA-HURON SHALE
4704500528	Cabot	HARVEY, T. H. # 7 C	BIG LIME
4704500528	Cabot	HARVEY, T. H. # 7 T	BEREA
4704500567	Cabot	HARVEY, T. H. # 8	BIG LIME-DEVONIAN SHALE
4704500584	Cabot	MCKENY, MARTHA # 1 C	BIG LIME-HURON SHALE
4704500584	Cabot	MCKENY, MARTHA # 1 T	BIG LIME-HURON SHALE
4704500624	Cabot	MCKENY, MARTHA # 2	BIG LIME
4704500744	Cabot	BEHREND, A. S. # 1 (TOTALS)	BIG LIME-DEVONIAN SHALE
4704500757	Cabot	PATTERSON, H. M. # 1 - DEEPENING	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704500759	Cabot	BLANKENSHIP, R. J. # 2	BIG LIME-DEVONIAN SHALE
4704500764	Cabot	PATTERSON, H. M. # 2	BIG LIME
4704500767	Cabot	PATTERSON, H. M. # 3	BIG LIME-HURON SHALE
4704500769	Cabot	BLANKENSHIP, R. J. # 3 C	BIG LIME
4704500769	Cabot	BLANKENSHIP, R. J. # 3 T	DEVONIAN SHALE
4704500771	Cabot	PATTERSON, H. M. # 4	HURON SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704500772	Cabot	BLANKENSHIP, R. J. # 4	DEVONIAN SHALE
4704500775	Cabot	PATTERSON, H. M. # 5 (TOTALS)	HURON SHALE
4704500777	Cabot	PERRY, HOWARD # 1 (TOTALS)	BIG LIME
4704500779	Cabot	LAWSON HEIRS "A" # 2 C	BEREA-WEIR
4704500779	Cabot	LAWSON HEIRS "A" # 2 T	BEREA-WEIR
4704500783	Cabot	MCNEELY, ANN # 1	BIG LIME
4704500791	Cabot	JUSTICE, JOHN # 1	HURON SHALE
4704500846	Cabot	BLANKENSHIP, MILDRED # 1	DEVONIAN SHALE
4704500848	Cabot	LAWSON HEIRS "B" # 7 C	BEREA-BIG LIME
4704500848	Cabot	LAWSON HEIRS "B" # 7 T	HURON SHALE
4704500860	Cabot	LAWSON HEIRS "A" # 3	HURON SHALE
4704500862	Cabot	LAWSON HEIRS "B" # 9 C	BEREA-INJUN
4704500862	Cabot	LAWSON HEIRS "B" # 9 T	HURON SHALE
4704500993	Cabot	LAWSON HEIRS "B" # 5	BIG LIME
4704500994	Cabot	LAWSON HEIRS "B" # 6	BIG LIME-HURON SHALE
4704501041	Cabot	ELAHS GAS YAWKEE #1	BIG LIME-MAXTON
4704501077	Cabot	ELAHS GAS GARRETT, ED #1	BIG LIME
4704501078	Cabot	ELAHS GAS GARRETT, ED #2D (DEEPENING)	DEVONIAN SHALE
4704501088	Cabot	HARVEY, T. H. "A" # 4 C	BEREA-BIG LIME
4704501088	Cabot	HARVEY, T. H. "A" # 4 T	DEVONIAN SHALE
4704501202	Cabot	LAWSON HEIRS "B" #10 C	BIG LIME-INJUN
4704501202	Cabot	LAWSON HEIRS "B" #10 T	DEVONIAN SHALE
4704501207	Cabot	LAWSON HEIRS "B" #11	BIG LIME-DEVONIAN SHALE-INJUN
4704501214	Cabot	PENN-VIRGINIA "B" # 7 (CO2)	TUSCARORA
4704501243	Cabot	LAWSON HEIRS "B" #13 C	BIG LIME-INJUN
4704501243	Cabot	LAWSON HEIRS "B" #13 T	DEVONIAN SHALE
4704501281	Cabot	LAWSON HEIRS "B" #15	DEVONIAN SHALE-INJUN-KEENER
4704501286	Cabot	CONLEY, BETTY # 2	BIG LIME-DEVONIAN SHALE-INJUN
4704501299	Cabot	LAWSON HEIRS "B" #14	DEVONIAN SHALE-INJUN-KEENER
4704501400	Cabot	LAWSON HEIRS "B" #18	DEVONIAN SHALE-INJUN
4704501401	Cabot	LAWSON HEIRS "B" #19	BIG LIME-DEVONIAN SHALE-INJUN
4704501402	Cabot	LAWSON HEIRS "B" #20	DEVONIAN SHALE-INJUN
4704501406	Cabot	LAWSON HEIRS "B" #16	DEVONIAN SHALE-INJUN
4704501407	Cabot	LAWSON HEIRS "B" #17	INJUN-DEVONIAN SHALE
4704501408	Cabot	LAWSON HEIRS "B" #21	DEVONIAN SHALE-INJUN
4704501409	Cabot	LAWSON HEIRS "B" #22	DEVONIAN SHALE-INJUN
4704501430	Cabot	HARVEY, T. H. #10D	DEVONIAN SHALE-BEREA
4704501430	Cabot	HARVEY, T. H. #10	SALT SANDS
4704501451	Cabot	HARVEY, T. H. #11S	DEVONIAN SHALE-INJUN
4704501462	Cabot	LAWSON HEIRS "B" #24	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501463	Cabot	LAWSON HEIRS "B" #25	DEVONIAN SHALE-INJUN-BIG LIME
4704501464	Cabot	PATTERSON, H. M. # 7R	DEVONIAN SHALE-BEREA-BIG LIME
4704501465	Cabot	LAWSON HEIRS "B" #26 (DRILL DEEPER)	DEVONIAN SHALE-INJUN-BIG LIME
4704501471	Cabot	HARVEY, T. H. #12R	DEVONIAN SHALE-BEREA-BIG LIME
4704501472	Cabot	HARVEY, T. H. #13R	DEVONIAN SHALE-INJUN
4704501532	Cabot	PATTERSON, H. M. # 8	DEVONIAN SHALE-INJUN-MAXTON
4704501556	Cabot	PATTERSON, H. M. # 9	DEVONIAN SHALE-INJUN
4704501562	Cabot	LAWSON HEIRS "B" #28	DEVONIAN SHALE-BEREA-BIG LIME
4704501565	Cabot	HARVEY, T. H. #14	DEVONIAN SHALE-INJUN
4704501567	Cabot	TURLEY # 2	BEREA-BIG LIME-INJUN-SHALE
4704501569	Cabot	PORTER "A" # 2	DEVONIAN SHALE-INJUN
4704501570	Cabot	BEHREND, A. S. # 4	BIG LIME-SHALE
4704501574	Cabot	ONEIDA BAPTIST INSTITUTE #2S	INJUN-BEREA-DEVONIAN SHALE
4704501580	Cabot	PORTER # 3	DEVONIAN SHALE-BEREA-BIG LIME-MAXTON
4704501590	Cabot	PRIDEMORE, M. S. # 1	DS-BE-INJ-BL
4704501593	Cabot	BEHREND, A. S. # 2	DEVONIAN SHALE-BEREA-BIG LIME-MAXTO
4704501594	Cabot	BEHREND, A. S. # 3	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501596	Cabot	LAWSON HEIRS "B" #34	DEVONIAN SHALE-INJUN-BIG LIME
4704501602	Cabot	VINSON, E. # 2	DEVONIAN SHALE-BEREA-INJUN
4704501603	Cabot	ADAMS, LARRY # 1	BIG LIME-DS
4704501604	Cabot	STOLLINGS #1	BIG LIME-BEREA-DEV. SHALE
4704501605	Cabot	CUMBERLAND PETROLEUM # 1	BIG LIME-DEVONIAN SHALE-INJUN
4704501606	Cabot	CUMBERLAND PETROLEUM #2	DEVONIAN SHALE-BEREA-INJUN-BL
4704501609	Cabot	ONEIDA BAPTIST INSTITUTE #3R	DEVONIAN SHALE-BEREA-INJUN-BL

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704501610	Cabot	ONEIDA BAPTIST INSTITUTE #4R	DEVONIAN SHALE-BEREA-INJUN-BL
4704501611	Cabot	ONEIDA BAPTIST INSTITUTE #5R	DEVONIAN SHALE-BEREA-BL
4704501615	Cabot	CUMBERLAND PETROLEUM #3R	DEVONIAN SHALE-INJUN-BL
4704501621	Cabot	LAWSON HEIRS "B" #31	DEVONIAN SHALE-BEREA-BIG LIME
4704501622	Cabot	LAWSON HEIRS "B" #32	DEVONIAN SHALE-BEREA-BIG LIME
4704501623	Cabot	HARVEY, T. H. #15 R	DEVONIAN SHALE-BEREA-BIG LIME
4704501630	Cabot	LAWSON HEIRS "B" #30	DEVONIAN SHALE-BEREA-BIG LIME
4704501631	Cabot	HARVEY, T. H. #16 R	DEVONIAN SHALE-BEREA-BIG LIME
4704501633	Cabot	HARVEY, T. H. #17 R	DEVONIAN SHALE-BEREA-BIG LIME
4704501634	Cabot	PORTER # 2	DEVONIAN SHALE-BEREA-INJUN
4704501638	Cabot	TURLEY # 1	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501639	Cabot	TURLEY # 3	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501642	Cabot	CHAPMAN # 1	BIG LIME-SHALE
4704501643	Cabot	CHAPMAN # 2	BIG LIME-SHALE
4704501644	Cabot	CONLEY, L. "A" # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501646	Cabot	PATTERSON, H. M. #10	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501647	Cabot	WINTER # 1	DEVONIAN SHALE-BEREA-BIG LIME-MAXTON
4704501648	Cabot	TURLEY # 7	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501649	Cabot	SPEARS # 1	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501650	Cabot	SAUNDERS # 1	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501651	Cabot	PORTER # 1 R	DEVONIAN SHALE-BEREA-INJUN
4704501652	Cabot	PORTER # 4	DEVONIAN SHALE-BEREA-INJUN
4704501654	Cabot	PORTER "A" # 1 R	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501656	Cabot	NOONE # 1 R	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501657	Cabot	NORTH POINTE DEVELOPMENT #2	INJUN-BEREA-DEVONIAN SHALE
4704501660	Cabot	FRYE "A" # 1	DEVONIAN SHALE-BEREA-BIG LIME-MAXTO
4704501663	Cabot	RISKO # 1	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501672	Cabot	LAWSON HEIRS "B" #36	DS-BE-INJ-BL
4704501679	Cabot	LAWSON HEIRS "B" #33 R	MAXTON
4704501682	Cabot	TURLEY # 6	MARCELLUS-HURON-RHINESTREET-BEREA-BIG LIME
4704501684	Cabot	VINSON, E. # 9R	DS-BE-INJ-BL
4704501685	Cabot	VINSON, E. # 8	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501686	Cabot	BLANKENSHIP, R. J. "A" # 2	DS-BE-INJ-BL
4704501687	Cabot	VINSON, E. # 7	DEVONIAN SHALE-BEREA-INJUN
4704501688	Cabot	VINSON, E. #10	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501689	Cabot	VINSON, E. #11R	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501690	Cabot	VINSON, E. #12R	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501691	Cabot	VINSON, E. #13R	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501692	Cabot	VINSON, E. #19R	MARCELLUS-HURON-RHINESTREET-INJUN
4704501693	Cabot	TURLEY # 5	MARCELLUS-HURON-RHINESTREET-BIG LIME
4704501694	Cabot	VINSON, E. #15R	MARCELLUS-HURON-RHINESTREET-INJUN
4704501695	Cabot	VINSON, E. #16R	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501696	Cabot	VINSON, E. #18R	MARCELLUS-HURON-RHINESTREET-INJUN
4704501697	Cabot	BLANKENSHIP, R. J. "A" # 6	DEVONIAN SHALE-BIG LIME
4704501698	Cabot	LAWSON HEIRS "B" #35	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501699	Cabot	JUSTICE, J. "C" # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501700	Cabot	BLANKENSHIP, R. J. "A" # 4	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501701	Cabot	BLANKENSHIP, R. J. "A" # 7	MARCELLUS-HURON-RHINESTREET-BIG LIME-BEREA
4704501703	Cabot	BLANKENSHIP, R. J. "A" # 8	MARCELLUS-HURON-RHINESTREET-U. DEV.-INJUN-BEREA
4704501704	Cabot	BLANKENSHIP, R. J. "A" # 9	MARCELLUS-HURON-RHINESTREET-BIG LIME-INJUN
4704501705	Cabot	BLANKENSHIP, R. J. "A" #13	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501707	Cabot	LAWSON HEIRS "C" # 1R	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501708	Cabot	LAWSON HEIRS "C" # 2	MARCELLUS-HURON-RHINESTREET-BIG LIME
4704501709	Cabot	BLANKENSHIP, R. J. "A" #14	DEVONIAN SHALE-BEREA-INJUN
4704501720	Cabot	BLANKENSHIP, R. J. "A" # 5	MARCELLUS-HURON-RHINESTREET-INJUN
4704501728	Cabot	CHAPMAN "B" # 2	DEVONIAN SHALE-BEREA-BIG LIME
4704501729	Cabot	WELLMAN # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501731	Cabot	JUSTICE "B" # 1	MARCELLUS-HURON-RHINESTREET-INJUN
4704501732	Cabot	JUSTICE "B" # 5	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501733	Cabot	ADAMS, O. "A" # 1	MARCELLUS-BIG LIME-INJUN-BEREA-HURON-RHINESTREET
4704501735	Cabot	HARVEY, T. H. #18	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501736	Cabot	JUSTICE, J. "C" # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501737	Cabot	BLANKENSHIP, R. J. "A" #15	DEVONIAN SHALE-BEREA-INJUN
4704501741	Cabot	VANCE #1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704501744	Cabot	VINSON, E. # 5R	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501745	Cabot	VINSON, E. # 6R	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501747	Cabot	SINGLETON # 1	DEVONIAN SHALE-BEREA-INJUN
4704501749	Cabot	HAINOR-BARKER # 1	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501752	Cabot	LAWSON HEIRS "B" #43	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501753	Cabot	LAWSON HEIRS "B" #41	MARCELLUS-HURON-RHINESTREET-INJUN
4704501754	Cabot	LAWSON HEIRS "B" #40	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501757	Cabot	CUMBERLAND PETROLEUM #5	MARCELLUS-HURON-RHINESTREET-BIG LIME-INJUN-BEREA
4704501759	Cabot	SINGLETON # 2A	DEVONIAN SHALE-BEREA-INJUN-BL
4704501762	Cabot	GLICK # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501763	Cabot	HALL # 2	MARCELLUS-HURON-RHINESTREET-BEREA-BIG LIME
4704501765	Cabot	SMITH, R. R. # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501766	Cabot	HALL # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501770	Cabot	WOOD # 1	DEVONIAN SHALE-BEREA-BIG LIME
4704501771	Cabot	TURLEY # 4	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501772	Cabot	PATTERSON, H. M. #11	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501773	Cabot	MURPHY # 2	MARCELLUS-HURON-RHINESTREET-BEREA-BIG LIME
4704501774	Cabot	WEAVER # 1S	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501775	Cabot	WEAVER # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501779	Cabot	JUSTICE "B" # 3	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501780	Cabot	FOX # 1	MARCELLUS-HURON-RHINESTREET-BEREA
4704501781	Cabot	JUSTICE "B" # 4	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501792	Cabot	SMITH, R. R. # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501795	Cabot	FOX # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501796	Cabot	FOX # 3	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501807	Cabot	HARMON # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501808	Cabot	JUSTICE "B" # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704501810	Cabot	FOX # 4	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501824	Cabot	ADAMS, LARRY # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501825	Cabot	SEMRAU # 1	MARCELLUS-HURON-RHINESTREET-BEREA-BIG LIME
4704501827	Cabot	VINSON, E. #14 RR	MARCELLUS-HURON-RHINESTREET-INJ-BEREA-B LIME-MAX
4704501832	Cabot	LAWSON HEIRS "B" #42	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501833	Cabot	ADAMS "B" # 1	MARCELLUS-RHINESTREET-BEREA-INJUN-HURON
4704501834	Cabot	VINSON, E. #20	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501836	Cabot	VINSON, E. # 1 RR	MARCELLUS-HURON-RHINESTREET-INJUN
4704501837	Cabot	DINGESS "A" # 1	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501838	Cabot	RAMCO 60-1	DEVONIAN SHALE-INJUN
4704501839	Cabot	RAMCO 60-2	DEVONIAN SHALE-BEREA-INJ
4704501839	Cabot	RAMCO 60-2 (BP)	BIG LIME-MAXTON
4704501846	Cabot	LAWSON HEIRS "C" # 3	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501850	Cabot	VINSON, E. #21R	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501860	Cabot	GLICK # 2	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501861	Cabot	VINSON, E. #17 R	MARCELLUS-HURON-RHINESTREET-INJ-BEREA-B LIME-U DEV
4704501863	Cabot	VINSON, E. #23	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501873	Cabot	STEVENS, RUSSELL "A" # 1	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501874	Cabot	CUMBERLAND PETROLEUM #4	MARCELLUS-HURON-BIG LIME-INJUN-BEREA
4704501883	Cabot	HARVEY, T. H. #20	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA-BIG LIME
4704501892	Cabot	ADAMS "C" #1	DEVONIAN SHALE-BEREA-INJUN
4704501897	Cabot	ADAMS "C" #2	DEVONIAN SHALE-INJUN
4704501901	Cabot	MULLINS, T. #1R	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501936	Cabot	BARKERS DAIRY FARM "B" # 2R	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501938	Cabot	MCDONALD # 1	DEVONIAN SHALE-INJUN
4704501938	Cabot	MCDONALD # 1 (BP)	MAXTON
4704501939	Cabot	MCDONALD # 2	DEVONIAN SHALE-BEREA-INJUN
4704501940	Cabot	MCDONALD # 3	MARCELLUS-HURON-RHINESTREET-INJUN-BEREA
4704501941	Cabot	HARVEY, T. H. #19	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501942	Cabot	BROUGHTON, G. # 1	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501943	Cabot	SPARKS # 1	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501944	Cabot	CHAPMAN "B" # 3	DEVONIAN SHALE-BEREA-INJUN
4704501953	Cabot	LAWSON HEIRS "B" #23	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704501982	Cabot	MCDONALD # 5	DEVONIAN SHALE-BEREA-BIG LIME
4704501983	Cabot	MCDONALD # 6	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704501984	Cabot	MCDONALD # 8	DEVONIAN SHALE-BEREA
4704501985	Cabot	BARKERS DAIRY FARM "B" # 1	BEREA-DEVONIAN SHALE-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704501986	Cabot	BARKERS DAIRY FARM "B" # 3	DEVONIAN SHALE-BEREA-INJUN
4704501993	Cabot	MCDONALD # 7	MARCELLUS-HURON-RHINESTREET-UPPER DEVONIAN
4704501994	Cabot	MCDONALD # 9	DEVONIAN SHALE-BIG LIME-INJUN
4704501995	Cabot	MCDONALD #10	MARCELLUS-HURON-RHINESTREET-INJUN-BIG LIME
4704502003	Cabot	CHAMBERS, R. "C" # 1	DEVONIAN SHALE-BIG LIME
4704502014	Cabot	HIWASSEE COLLEGE # 1	BEREA-DEVONIAN SHALE-INJUN
4704502024	Cabot	ECA YAWKEY 198	DEVONIAN SHALE-BEREA-INJUN
4704502029	Cabot	MCDONALD # 4	MARCELLUS-INJUN-HURON-RHINESTREET
4704502033	Cabot	MCDONALD #11	MARCELLUS-INJUN-BEREA-HURON-BIG LIME-RHINESTREET
4704502063	Cabot	STRALEY #1	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4704502064	Cabot	BEHREND, A. S. # 5	BEREA-DEVONIAN SHALE-INJUN
4704502066	Cabot	BLANKENSHIP, R. J. "A" #18	DEVONIAN SHALE-BIG LIME-INJUN
4704502068	Cabot	LAWSON HEIRS "B" #45	MAXTON
4704502074	Cabot	HARVEY, T. H. #22	BEREA-DEV SHALE
4704502089	Cabot	LAWSON HEIRS "B" #47	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704502104	Cabot	ECA YAWKEY 200 (CHURCH #1)	DEVONIAN SHALE-BEREA-INJUN
4704502110	Cabot	LAWSON HEIRS "B" #50	DEVONIAN SHALE-BEREA-INJUN
4704502110	Cabot	LAWSON HEIRS "B" #50 (BP)	BIG LIME
4704502119	Cabot	ECA YAWKEY.201	DEVONIAN SHALE-BEREA-INJUN
4704502121	Cabot	PATTERSON, H. M. #125	MAXTON
4704502122	Cabot	LAWSON HEIRS "B" #46	DEVONIAN SHALE-BEREA-BIG LIME-INJUN
4704502125	Cabot	ECA CHURCH #2R	DEV SHALE-BE-INJ-BL
4704700029	Cabot	GILBERT, JOHN JR. # 8	BIG LIME
4704700032	Cabot	POCAHONTAS-FORD # 6	BIG LIME-MAXTON
4704700035	Cabot	POCAHONTAS-FORD # 7	BIG LIME
4704700044	Cabot	POCAHONTAS LAND # 26	BEREA
4704700045	Cabot	POCAHONTAS LAND # 27	BIG LIME-WEIR
4704700046	Cabot	POCAHONTAS LAND # 28	BEREA
4704700055	Cabot	POCAHONTAS LAND # 30	BEREA
4704700056	Cabot	POCAHONTAS LAND # 33	BEREA
4704700057	Cabot	POCAHONTAS LAND # 34	BEREA
4704700058	Cabot	POCAHONTAS LAND # 31	BEREA
4704700059	Cabot	POCAHONTAS LAND # 32	BEREA
4704700066	Cabot	POCAHONTAS LAND # 37	BEREA
4704700067	Cabot	POCAHONTAS LAND # 38	BEREA
4704700068	Cabot	BANKERS-POCAHONTAS # 2	BIG LIME
4704700070	Cabot	POCAHONTAS LAND # 39	BEREA
4704700071	Cabot	POCAHONTAS LAND # 40	BEREA
4704700076	Cabot	POCAHONTAS LAND # 43	BEREA
4704700077	Cabot	POCAHONTAS LAND # 44	BEREA
4704700079	Cabot	POCAHONTAS LAND # 45	BEREA
4704700080	Cabot	POCAHONTAS LAND # 46	BEREA
4704700081	Cabot	BANKERS-POCAHONTAS # 3	BIG LIME
4704700085	Cabot	POCAHONTAS LAND # 48	BEREA
4704700086	Cabot	POCAHONTAS LAND # 47	BEREA
4704700089	Cabot	POCAHONTAS LAND # 49	BEREA
4704700090	Cabot	POCAHONTAS LAND # 50	BEREA
4704700091	Cabot	POCAHONTAS LAND # 51	BEREA
4704700094	Cabot	POCAHONTAS LAND # 54	BEREA-BIG LIME
4704700095	Cabot	POCAHONTAS LAND # 55	BEREA
4704700098	Cabot	POCAHONTAS LAND # 56	BEREA
4704700102	Cabot	POCAHONTAS LAND # 58	BEREA
4704700104	Cabot	POCAHONTAS LAND # 57	BEREA
4704700105	Cabot	POCAHONTAS LAND # 60	BEREA
4704700107	Cabot	POCAHONTAS LAND # 59	BEREA
4704700108	Cabot	POCAHONTAS LAND # 61	BEREA
4704700109	Cabot	POCAHONTAS LAND # 63	BEREA
4704700112	Cabot	POCAHONTAS LAND # 62	BEREA
4704700118	Cabot	POCAHONTAS LAND # 65 (P&A)	BEREA
4704700119	Cabot	POCAHONTAS LAND # 66	BEREA
4704700120	Cabot	POCAHONTAS LAND # 67	BEREA
4704700121	Cabot	POCAHONTAS LAND # 68	BEREA
4704700122	Cabot	POCAHONTAS LAND # 69	BEREA
4704700125	Cabot	POCAHONTAS LAND # 71	BEREA

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704700126	Cabot	POCAHONTAS LAND # 73 (TOTALS)	BEREA-RAVENCLIFF
4704700126	Cabot	POCAHONTAS LAND # 73 C	RAVENCLIFF
4704700126	Cabot	POCAHONTAS LAND # 73 T	BEREA
4704700134	Cabot	POCAHONTAS LAND # 78	BEREA
4704700153	Cabot	POCAHONTAS LAND # 82	BEREA
4704700187	Cabot	POCAHONTAS LAND # 42	BEREA
4704700188	Cabot	POCAHONTAS LAND # 85	BEREA
4704700199	Cabot	POCAHONTAS LAND # 86	BEREA
4704700202	Cabot	LITZ-HARMAN # 1	BEREA
4704700207	Cabot	POCAHONTAS LAND # 87	BEREA
4704700209	Cabot	ROYALTY SMOKELESS # 1	BEREA
4704700218	Cabot	POCAHONTAS LAND # 88	BEREA
4704700224	Cabot	POCAHONTAS LAND # 89	BEREA
4704700232	Cabot	POCAHONTAS LAND # 91	BEREA
4704700235	Cabot	POCAHONTAS LAND # 90	BEREA
4704700243	Cabot	POCAHONTAS LAND # 92	BEREA
4704700306	Cabot	VANCE, S. R. # 1	RAVENCLIFF
4704700309	Cabot	POCAHONTAS LAND # 93	BEREA
4704700311	Cabot	POCAHONTAS LAND # 94	BEREA
4704700315	Cabot	POCAHONTAS LAND # 96	RAVENCLIFF
4704700327	Cabot	TUG FORK # 2	BEREA-RAVENCLIFF
4704700328	Cabot	RED ASH POCAHONTAS # 3	BEREA-RAVENCLIFF
4704700329	Cabot	TUG FORK # 1	BEREA-RAVENCLIFF
4704700335	Cabot	TUG FORK # 3	BEREA-RAVENCLIFF
4704700336	Cabot	TUG FORK # 4	BEREA-RAVENCLIFF
4704700338	Cabot	POCAHONTAS LAND # 98	BEREA
4704700339	Cabot	POCAHONTAS LAND # 97	BEREA
4704700343	Cabot	PANTHER STATE "A" # 1	BEREA-BIG LIME
4704700348	Cabot	POCAHONTAS LAND # 99	BEREA
4704700349	Cabot	POCAHONTAS LAND #100	BEREA
4704700350	Cabot	POCAHONTAS LAND #101	BEREA-BIG LIME
4704700354	Cabot	POCAHONTAS LAND #103	BEREA
4704700357	Cabot	CLINTAL-POCAHONTAS # 1	BEREA
4704700361	Cabot	RED ASH POCAHONTAS # 4	BEREA-RAVENCLIFF
4704700362	Cabot	TUG FORK # 5	BEREA-RAVENCLIFF
4704700395	Cabot	CLINTAL-POCAHONTAS # 2	BEREA
4704700408	Cabot	CONSOL-RAY #15	BEREA
4704700468	Cabot	HOWARD-POCAHONTAS UNIT # 1 (TOTALS)	BEREA-MAXTON
4704700468	Cabot	HOWARD-POCAHONTAS UNIT # 1 C	MAXTON
4704700468	Cabot	HOWARD-POCAHONTAS UNIT # 1 T	BEREA
4704700471	Cabot	RED ASH POCAHONTAS "A" # 1	BEREA-RAVENCLIFF
4704700477	Cabot	MCDOWELL-POCAHONTAS # 1	BEREA
4704700480	Cabot	RED ASH POCAHONTAS "A" # 2	BEREA-BIG LIME-RAVENCLIFF
4704700490	Cabot	DAVIS, C. O. # 1	BEREA-MAXTON-RAVENCLIFF
4704700491	Cabot	BRICKER, MARY "B" # 1	BEREA
4704700492	Cabot	BOWEN, MARY # 1	BIG LIME
4704700496	Cabot	POCAHONTAS-BRICKER # 1	BEREA-BIG LIME
4704700499	Cabot	MCCORMICK, NELSON "B" # 1	BEREA
4704700503	Cabot	PANTHER STATE "A" # 2	BIG LIME
4704700507	Cabot	POCAHONTAS LAND (WI) #9631	WEIR
4704700515	Cabot	ESTEP-PATRICK # 1	BEREA-BIG LIME
4704700520	Cabot	PATRICK-POCAHONTAS LAND # 1	BEREA-BIG LIME-RAVENCLIFF
4704700528	Cabot	POCAHONTAS LAND # 2 (TOBAC)	BEREA
4704700532	Cabot	POCAHONTAS LAND # 4 (TOBAC)	BEREA
4704700545	Cabot	ROYALTY SMOKELESS "A" # 1	BEREA
4704700546	Cabot	GRIFFITH, L. D. # 1	BIG LIME-RAVENCLIFF
4704700549	Cabot	POCAHONTAS LAND # 36 P&A	BEREA
4704700551	Cabot	DAVIS, C. O. # 2	RAVENCLIFF
4704700556	Cabot	POCAHONTAS LAND # 1 (TOBAC)	BEREA
4704700560	Cabot	NORFOLK & WESTERN RAILWAY COMPANY # 1	BEREA-BIG LIME
4704700563	Cabot	PANTHER STATE-PATRICK # 3 (TOTALS)	BEREA-RAVENCLIFF
4704700563	Cabot	PANTHER STATE-PATRICK # 3 C	RAVENCLIFF
4704700563	Cabot	PANTHER STATE-PATRICK # 3 T	BEREA
4704700566	Cabot	POCAHONTAS-KROLL-PATRICK # 2	BEREA-MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704700573	Cabot	POCAHONTAS-KROLL-PATRICK # 1	BEREA-BIG LIME
4704700575	Cabot	PATRICK-CUNTAL POCAHONTAS # 1	BEREA-BIG LIME
4704700591	Cabot	BORAX-DAVIS CO. # 3	
4704700593	Cabot	BORAX-DAVIS CO. # 4	
4704700606	Cabot	POCAHONTAS LAND "D" # 1 (TOTALS)	BEREA-BIG LIME
4704700606	Cabot	POCAHONTAS LAND "D" # 1 C	BIG LIME
4704700606	Cabot	POCAHONTAS LAND "D" # 1 T	BEREA
4704700612	Cabot	PANTHER STATE-PATRICK # 4	BEREA
4704700629	Cabot	PANTHER STATE "A" # 5 (TOTALS)	BEREA-BIG LIME
4704700629	Cabot	PANTHER STATE "A" # 5 C	BIG LIME
4704700629	Cabot	PANTHER STATE "A" # 5 T	BEREA
4704700657	Cabot	POCAHONTAS LAND "G" # 1	
4704700702	Cabot	POCAHONTAS LAND "C" # 2	MAXTON-WEIR
4704700712	Cabot	POCAHONTAS LAND "C" # 5	BIG LIME-WEIR
4704700713	Cabot	POCAHONTAS LAND "C" # 4	LOWER MAXTON
4704700714	Cabot	POCAHONTAS LAND "C" # 6	RAVENCLIFF-WEIR
4704700715	Cabot	POCAHONTAS LAND "C" # 7	RAVENCLIFF
4704700718	Cabot	POCAHONTAS LAND "C" #10	WEIR
4704700720	Cabot	POLAN, RUTH "A" # 1	BEREA-BIG LIME-RAVENCLIFF
4704700754	Cabot	POCAHONTAS LAND "J" # 1	BEREA
4704700755	Cabot	POCAHONTAS LAND "J" # 2 (TOTALS)	BEREA-BIG LIME
4704700755	Cabot	POCAHONTAS LAND "J" # 2 C	BIG LIME
4704700755	Cabot	POCAHONTAS LAND "J" # 2 T	BEREA
4704700762	Cabot	POCAHONTAS LAND "D" # 2	BEREA
4704700763	Cabot	POCAHONTAS LAND "L" # 3	MAXTON-RAVENCLIFF
4704700789	Cabot	POCAHONTAS LAND "C" #11	MAXTON
4704700790	Cabot	POCAHONTAS LAND "C" #12	MAXTON-RAVENCLIFF
4704700791	Cabot	POCAHONTAS LAND "C" #13	RAVENCLIFF-MAXTON-WEIR
4704700792	Cabot	POCAHONTAS LAND "C" #14	MAXTON-WEIR
4704700827	Cabot	DAVIS, VAN # 1	BEREA
4704700828	Cabot	DAVIS, VAN # 2	BEREA
4704700857	Cabot	PANTHER STATE "A" # 3 C	BIG LIME
4704700857	Cabot	PANTHER STATE "A" # 3 T	BEREA
4704700857	Cabot	PANTHER STATE "A" # 3 (TOTALS)	BEREA
4704700860	Cabot	POCAHONTAS LAND "D" # 5	BEREA-BIG LIME-DEVONIAN SHALE
4704700864	Cabot	WATSON # 1 (TOTALS)	BIG LIME-GORDON
4704700864	Cabot	WATSON # 1 T	GORDON
4704700864	Cabot	WATSON # 1 C	BIG LIME
4704700865	Cabot	MULLINS, EVERETT # 1	BEREA
4704700866	Cabot	MULLINS, EVERETT # 2	BEREA
4704700868	Cabot	WATSON # 2	RAVENCLIFF
4704700869	Cabot	WATSON # 3	DEVONIAN SHALE
4704700871	Cabot	MULLINS, EVERETT # 3	BEREA
4704700889	Cabot	BLEVINS, HELEN # 1	BEREA-BIG LIME
4704700890	Cabot	POCAHONTAS LAND "M" # 7	BEREA-RAVENCLIFF-GORDON
4704700893	Cabot	POCAHONTAS LAND "M" # 5	BEREA-RAVENCLIFF-GORDON
4704700902	Cabot	HARMON, A. M. # 1	DEVONIAN SHALE
4704700910	Cabot	DAVIS, C. O. # 5 (TOTALS)	BIG LIME-RAVENCLIFF
4704700910	Cabot	DAVIS, C. O. # 5 C	RAVENCLIFF
4704700910	Cabot	DAVIS, C. O. # 5 T	BIG LIME
4704700911	Cabot	LITZ-HARMAN # 7 (TOTALS)	BEREA-RAVENCLIFF
4704700911	Cabot	LITZ-HARMAN # 7 C	RAVENCLIFF
4704700911	Cabot	LITZ-HARMAN # 7 T	BEREA
4704700929	Cabot	POCAHONTAS MINING # 4	BEREA-GORDON
4704700939	Cabot	POCAHONTAS MINING #11	BEREA
4704700957	Cabot	POCAHONTAS MINING #16	BEREA-GORDON
4704700960	Cabot	POCAHONTAS MINING #17	BEREA-GORDON
4704700961	Cabot	POCAHONTAS LAND # 2 (T&F)	ELK
4704700964	Cabot	POCAHONTAS MINING #20	BEREA-GORDON
4704700974	Cabot	POCAHONTAS MINING #27 C	BEREA
4704700974	Cabot	POCAHONTAS MINING #27 T	GORDON
4704700979	Cabot	LITZ-HARMAN # 9	RAVENCLIFF
4704700983	Cabot	POCAHONTAS MINING #15	BEREA-GORDON
4704700985	Cabot	PANTHER STATE "A" #25	BEREA-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704700986	Cabot	PANTHER STATE "A" #26	BEREA-BIG LIME
4704700987	Cabot	POCAHONTAS MINING #14	BEREA-GORDON
4704700988	Cabot	PANTHER STATE "A" #17	BEREA-BIG LIME
4704700989	Cabot	PANTHER STATE "A" #18	BEREA-BIG LIME
4704700993	Cabot	POCAHONTAS MINING #13	BEREA-GORDON
4704700994	Cabot	PANTHER STATE "A" # 6	BEREA-BIG LIME
4704700995	Cabot	PANTHER STATE "A" #29S	BEREA-BIG LIME
4704700998	Cabot	COX "A" # 2	BEREA-BIG LIME
4704701002	Cabot	PANTHER STATE "A" # 7	BEREA-BIG LIME
4704701003	Cabot	PANTHER STATE "A" # 9R	BEREA-BIG LIME
4704701006	Cabot	PANTHER STATE "A" #23	BEREA-BIG LIME
4704701009	Cabot	PANTHER STATE "A" #22	BEREA-BIG LIME
4704701010	Cabot	ROYALTY SMOKELESS # 3	BIG LIME-RAVENCLIFF
4704701011	Cabot	PANTHER STATE "A" #30	BEREA-BIG LIME
4704701013	Cabot	PANTHER STATE "A" #32	BEREA-BIG LIME
4704701014	Cabot	PANTHER STATE "A" #39	BEREA-BIG LIME
4704701015	Cabot	PANTHER STATE "A" #46	BEREA-BIG LIME
4704701027	Cabot	PANTHER STATE "A" #36	BEREA-BIG LIME
4704701034	Cabot	PANTHER STATE "A" #12R	BEREA-BIG LIME-MAXTON-WEIR
4704701035	Cabot	POCAHONTAS LAND "D" # 7R	BEREA-BIG LIME
4704701037	Cabot	PANTHER STATE "A" #41 T	BIG LIME
4704701037	Cabot	PANTHER STATE "A" #41 (TOTALS)	BIG LIME
4704701037	Cabot	PANTHER STATE "A" #41 C	BIG LIME
4704701038	Cabot	PANTHER STATE "A" #10	BEREA-BIG LIME
4704701039	Cabot	PANTHER STATE "A" #42	BEREA-BIG LIME
4704701040	Cabot	PANTHER STATE "A" #11R	BEREA-BIG LIME
4704701041	Cabot	PANTHER STATE "A" #15	BEREA-BIG LIME-WEIR
4704701044	Cabot	BLEVINS, JOHN # 1	BEREA-BIG LIME-MAXTON-WEIR
4704701046	Cabot	POCAHONTAS LAND "D" # 9	BEREA-BIG LIME
4704701047	Cabot	POCAHONTAS LAND "D" #16	BEREA-BIG LIME
4704701048	Cabot	POCAHONTAS LAND "D" #14	RAVENCLIFF
4704701049	Cabot	BANKERS-POCAHONTAS "B" # 3	BEREA-RAVENCLIFF
4704701050	Cabot	POCAHONTAS LAND "J" # 4	BEREA
4704701051	Cabot	GRIFFITH, L. D. # 2	BEREA-BIG LIME
4704701053	Cabot	POCAHONTAS LAND "D" #11	BEREA
4704701055	Cabot	POCAHONTAS LAND "D" #18	BEREA-BIG LIME-RAVENCLIFF
4704701056	Cabot	PANTHER STATE "A" #28	BEREA-BIG LIME
4704701057	Cabot	POCAHONTAS LAND "D" #20	BEREA-BIG LIME
4704701058	Cabot	COX "A" # 3	BEREA-BIG LIME-MAXTON-WEIR
4704701059	Cabot	POCAHONTAS LAND "D" #24	BEREA-BIG LIME
4704701060	Cabot	POCAHONTAS LAND "D" #26	BEREA-BIG LIME
4704701061	Cabot	PANTHER STATE "A" #14R	BEREA-BIG LIME
4704701062	Cabot	POCAHONTAS LAND "D" #13R	BEREA-BIG LIME
4704701063	Cabot	PANTHER STATE "A" # 8	BEREA-BIG LIME-MAXTON
4704701064	Cabot	PANTHER STATE "A" #20	BEREA-BIG LIME-WEIR
4704701064	Cabot	PANTHER STATE "A" #20 (BP)	MAXTON-RAVENCLIFF
4704701067	Cabot	POCAHONTAS LAND "D" #31	BEREA-BIG LIME
4704701068	Cabot	POCAHONTAS LAND "D" # 4	BEREA-BIG LIME
4704701069	Cabot	PANTHER STATE "A" #45	BEREA-BIG LIME
4704701071	Cabot	POCAHONTAS LAND "D" #37	BEREA-BIG LIME
4704701072	Cabot	POCAHONTAS LAND "D" #34	BEREA
4704701073	Cabot	POCAHONTAS LAND "D" #12	BEREA-BIG LIME
4704701074	Cabot	POCAHONTAS LAND "D" # 3	BEREA-BIG LIME
4704701075	Cabot	POLAN, RUTH "A" # 3	BEREA-BIG LIME
4704701076	Cabot	POCAHONTAS LAND "D" #36 C	BIG LIME
4704701076	Cabot	POCAHONTAS LAND "D" #36 T	BEREA
4704701077	Cabot	COX "A" # 4	BEREA-BIG LIME-LITTLE LIME
4704701078	Cabot	POCAHONTAS MINING #29R	BEREA
4704701082	Cabot	POCAHONTAS MINING #28R	BEREA-GORDON
4704701084	Cabot	HATFIELD, BILLY "A" # 1	BEREA-BIG LIME-MAXTON-WEIR
4704701089	Cabot	KEENE, BEULAH # 1R	BEREA-BIG LIME
4704701090	Cabot	CARTER LAND - OXY "A" # 4 (SS)	MAXTON-RAVENCLIFF
4704701090	Cabot	CARTER LAND - OXY "A" # 4 (LS)	BEREA-BIG LIME
4704701090	Cabot	CARTER LAND - OXY "A" # 4	BEREA-BIG LIME-MAXTON-RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704701091	Cabot	KROLL HEIRS "A" # 1	BEREA-BIG LIME
4704701091	Cabot	KROLL HEIRS "A" # 1 (BP)	RAVENCLIFF-WEIR
4704701094	Cabot	POCAHONTAS MINING #32	BEREA
4704701096	Cabot	POCAHONTAS LAND "D" #38 C	RAVENCLIFF
4704701096	Cabot	POCAHONTAS LAND "D" #38 T	BEREA
4704701099	Cabot	POCAHONTAS LAND "J" # 5	BEREA
4704701100	Cabot	CARTER LAND - OXY "A" # 1	BEREA-BIG LIME-WEIR
4704701100	Cabot	CARTER LAND - OXY "A" # 1 (BP)	RAVENCLIFF
4704701113	Cabot	POCAHONTAS LAND "D" #25 (SS)	RAVENCLIFF
4704701113	Cabot	POCAHONTAS LAND "D" #25 (LS)	BEREA-BIG LIME-LITTLE LIME
4704701121	Cabot	POCAHONTAS LAND "D" #33	BEREA-BIG LIME-RAVENCLIFF
4704701122	Cabot	POCAHONTAS LAND "D" #39	BEREA-BIG LIME
4704701124	Cabot	POCAHONTAS LAND "J" # 6	BEREA
4704701127	Cabot	PANTHER STATE "A" #13	BEREA-BIG LIME
4704701127	Cabot	PANTHER STATE "A" #13 (BP)	MIDDLE MAXTON-LOWER MAXTON
4704701129	Cabot	POCAHONTAS LAND "D" #23	BEREA-BIG LIME
4704701131	Cabot	POCAHONTAS MINING #33 C	RAVENCLIFF
4704701131	Cabot	POCAHONTAS MINING #33 T	GORDON
4704701132	Cabot	POCAHONTAS MINING "B" # 1	BEREA
4704701134	Cabot	EVANS, HASSELL # 1	BEREA
4704701139	Cabot	MULLINS, FLORENCE # 1	BEREA-BIG LIME
4704701148	Cabot	POLAN, RUTH "A" # 4	BEREA-RAVENCLIFF
4704701149	Cabot	POLAN, RUTH "A" # 5	BEREA-BIG LIME-RAVENCLIFF
4704701153	Cabot	ROBERTS-POCAHONTAS # 1	RAVENCLIFF
4704701164	Cabot	GRIFFITH, A. C. # 1	BEREA-MAXTON-PRINCETON
4704701167	Cabot	MULLINS-POCAHONTAS # 1 C	RAVENCLIFF
4704701167	Cabot	MULLINS-POCAHONTAS # 1 T	BEREA-BIG LIME-LITTLE LIME
4704701168	Cabot	PATRICK-POCAHONTAS LAND # 2 C	RAVENCLIFF
4704701168	Cabot	PATRICK-POCAHONTAS LAND # 2 T	BEREA-BIG LIME-LITTLE LIME
4704701183	Cabot	ALAWEST # 1 (EMAX)	BEREA-GORDON-BIG LIME
4704701185	Cabot	POCAHONTAS LAND "D" #10	BEREA-BIG LIME
4704701191	Cabot	POCAHONTAS LAND "I" #76	BIG LIME-MIDDLE MAXTON-WEIR
4704701191	Cabot	POCAHONTAS LAND "I" #76 (BP)	UPPER MAXTON-RAVENCLIFF
4704701192	Cabot	TUG FORK # 6	BEREA-BIG LIME-RAVENCLIFF
4704701193	Cabot	ALAWEST # 2 (EMAX)	BEREA-BIG LIME-GORDON
4704701195	Cabot	POCAHONTAS LAND "D" #21R	BEREA-BIG LIME
4704701196	Cabot	ALAWEST # 3 (EMAX)	BEREA-GORDON
4704701199	Cabot	PANTHER STATE "A" #44	BEREA-BIG LIME-RAVENCLIFF
4704701200	Cabot	ALAWEST # 4 (EMAX)	BEREA-GORDON
4704701201	Cabot	ALAWEST #10 (EMAX)	RAVENCLIFF
4704701204	Cabot	MCDOWELL-POCAHONTAS COAL # 1 (EMAX)	BEREA-BIG LIME-GORDON
4704701205	Cabot	POCAHONTAS LAND "M" # 12	BIG LIME-WEIR
4704701206	Cabot	RED ASH POCAHONTAS "A" # 6 (TOTALS)	BEREA-RAVENCLIFF
4704701206	Cabot	RED ASH POCAHONTAS "A" # 6 C	RAVENCLIFF
4704701206	Cabot	RED ASH POCAHONTAS "A" # 6 T	BEREA
4704701207	Cabot	PEOPLES NATIONAL BANK # 2 (EMAX)	BEREA-BIG LIME
4704701208	Cabot	MCDOWELL-POCAHONTAS COAL # 2 (EMAX) T	BEREA-BIG LIME
4704701208	Cabot	MCDOWELL-POCAHONTAS COAL # 2 (EMAX) C	PRINCETON-RAVENCLIFF
4704701208	Cabot	MCDOWELL-POCAHONTAS COAL #2(EMAX)TOTALS	BEREA-BIG LIME-PRINCETON-RAVENCLIFF
4704701209	Cabot	PEOPLES NATIONAL BANK # 1 (EMAX)	BEREA
4704701211	Cabot	RED ASH POCAHONTAS "A" # 7	BIG LIME-MAXTON-RAVENCLIFF
4704701215	Cabot	ALAWEST #17 (EMAX)	LOWER MAXTON-RAVENCLIFF
4704701217	Cabot	ALAWEST #15 (EMAX)	BEREA
4704701218	Cabot	ALAWEST #16 (EMAX)	BEREA-RAVENCLIFF
4704701220	Cabot	ALAWEST #24 (EMAX)	BEREA
4704701221	Cabot	ALAWEST #26 (EMAX)	BEREA
4704701223	Cabot	ALAWEST # 6 (EMAX)	BEREA-RAVENCLIFF
4704701238	Cabot	POCAHONTAS LAND "M" # 13	BEREA-RAVENCLIFF
4704701241	Cabot	POCAHONTAS LAND "C" #15	BIG LIME-MAXTON-WEIR
4704701241	Cabot	POCAHONTAS LAND "C" #15 (BP)	MIDDLE MAXTON
4704701247	Cabot	BANKERS-POCAHONTAS #1717	BIG LIME-RAVENCLIFF
4704701264	Cabot	POCAHONTAS LAND "C" #17	BIG LIME-MAXTON-WEIR
4704701266	Cabot	POCAHONTAS LAND "J" # 3	BEREA-BIG LIME-LITTLE LIME
4704701267	Cabot	PANTHER STATE "A" #50	BIG LIME-MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704701268	Cabot	LITZ-HARMAN #11	RAVENCLIFF
4704701275	Cabot	POCAHONTAS LAND "D" #27	RAVENCLIFF
4704701275	Cabot	POCAHONTAS LAND "D" #27 (BP)	SALT SAND
4704701276	Cabot	POCAHONTAS LAND "J" # 8	BEREA-BIG LIME
4704701277	Cabot	POCAHONTAS LAND "D" #40	BEREA-BIG LIME
4704701279	Cabot	COALBED METHANE (EREC) #3624	COALBED METHANE
4704701280	Cabot	COALBED METHANE (EREC) #3585	COALBED METHANE
4704701281	Cabot	COALBED METHANE (EREC) #3586	COALBED METHANE
4704701282	Cabot	COALBED METHANE (EREC) #3587	COALBED METHANE
4704701285	Cabot	COGC #19	BEREA
4704701286	Cabot	COGC #20	BEREA-GORDON
4704701287	Cabot	POCAHONTAS LAND "J" # 7	BEREA-BIG LIME-DEVONIAN SHALE
4704701288	Cabot	BANKERS-POCAHONTAS #1825	RAVENCLIFF
4704701290	Cabot	POCAHONTAS MINING "B" # 3	BEREA
4704701291	Cabot	POCAHONTAS LAND "J" # 9	BEREA-BIG LIME
4704701292	Cabot	POCAHONTAS LAND "J" #12	BEREA-BIG LIME-DEVIONAN SHALE
4704701293	Cabot	COGC #30	BEREA-RAVENCLIFF
4704701294	Cabot	PANTHER STATE "A" #21R	BEREA-LOWER MAXTON
4704701295	Cabot	PANTHER STATE "A" #51	BEREA-BIG LIME
4704701297	Cabot	POCAHONTAS LAND "D" #45R	BEREA-BIG LIME
4704701301	Cabot	SIBLEY COAL & COKE "A" #15 (CO2)	TUSCARORA
4704701305	Cabot	COGC # 3	BEREA
4704701306	Cabot	COALBED METHANE (EREC) #3689	COALBED METHANE
4704701307	Cabot	COALBED METHANE (EREC) #3690	COALBED METHANE
4704701308	Cabot	COALBED METHANE (EREC) #3691	COALBED METHANE
4704701309	Cabot	COALBED METHANE (EREC) #3694	COALBED METHANE
4704701310	Cabot	COALBED METHANE (EREC) #3695	COALBED METHANE
4704701311	Cabot	POCAHONTAS LAND "J" #25	BEREA-BIG LIME
4704701312	Cabot	POCAHONTAS LAND "D" #47	BEREA-LITTLE LIME-RAVENCLIFF
4704701314	Cabot	COALBED METHANE (EREC) #3688	COALBED METHANE
4704701315	Cabot	COALBED METHANE (EREC) #3692	COALBED METHANE
4704701316	Cabot	COALBED METHANE (EREC) #3696	COALBED METHANE
4704701317	Cabot	COALBED METHANE (EREC) #3697	COALBED METHANE
4704701318	Cabot	COALBED METHANE (EREC) #3693	COALBED METHANE
4704701319	Cabot	BERWIND LAND CO. #17	BEREA
4704701320	Cabot	BERWIND LAND CO. #19	BEREA-GORDON
4704701321	Cabot	POCAHONTAS LAND "D" #43R	BEREA-BIG LIME
4704701322	Cabot	POCAHONTAS LAND "T" #10	BIG LIME
4704701326	Cabot	BERWIND LAND CO. #20	BEREA
4704701327	Cabot	POCAHONTAS LAND "J" #10	BEREA
4704701328	Cabot	POCAHONTAS LAND "J" #14	BEREA-BIG LIME
4704701329	.Cabot	POCAHONTAS LAND "C" #18	BIG LIME-WEIR
4704701330	Cabot	POCAHONTAS LAND "J" #11	BEREA-BIG LIME
4704701331	Cabot	POCAHONTAS LAND "D" #19	BEREA-BIG LIME
4704701332	Cabot	POCAHONTAS LAND "D" #49	BEREA-UPPER BIG LIME
4704701334	Cabot	POCAHONTAS LAND "T" #11	BIG LIME
4704701335	Cabot	POCAHONTAS LAND "T" #14	BIG LIME
4704701337	Cabot	COALBED METHANE (EREC) #3821	COALBED METHANE
4704701338	Cabot	COALBED METHANE (EREC) #3822	COALBED METHANE
4704701339	Cabot	COALBED METHANE (EREC) #3845	COALBED METHANE
4704701340	Cabot	COALBED METHANE (EREC) #3857	COALBED METHANE
4704701341	Cabot	COALBED METHANE (EREC) #3858	COALBED METHANE
4704701342	Cabot	COALBED METHANE (EREC) #3860	COALBED METHANE
4704701343	Cabot	POCAHONTAS LAND "C" #22	LOWER MAXTON-MIDDLE MAXTON-WEIR
4704701344	Cabot	POCAHONTAS LAND "M" # 16	POCONO
4704701345	Cabot	BERWIND LAND CO. #21	BEREA
4704701346	Cabot	COALBED METHANE (EREC) #3859	COALBED METHANE
4704701347	Cabot	POCAHONTAS LAND "C" #21	MIDDLE MAXTON-WEIR
4704701348	Cabot	COALBED METHANE (EREC) #3861	COALBED METHANE
4704701349	Cabot	COALBED METHANE (EREC) #3930	COALBED METHANE
4704701352	Cabot	BERWIND LAND CO. #18	BEREA
4704701353	Cabot	POCAHONTAS LAND "J" #15	BEREA
4704701355	Cabot	POCAHONTAS LAND "C" #19	WEIR
4704701355	Cabot	POCAHONTAS LAND "C" #19 (BP)	MIDDLE MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704701356	Cabot	POCAHONTAS LAND "C" #24	BEREA-DEVIONAN SHALE-WEIR
4704701356	Cabot	POCAHONTAS LAND "C" #24 (BP)	LOWER MAXTON-MIDDLE MAXTON
4704701357	Cabot	POCAHONTAS LAND "D" #42	BEREA-LITTLE LIME-RAVENCLIFF
4704701358	Cabot	POCAHONTAS LAND "J" #26	BEREA-BIG LIME
4704701359	Cabot	COALBED METHANE (EREC) #3937	COALBED METHANE
4704701360	Cabot	COALBED METHANE (EREC) #3938	COALBED METHANE
4704701361	Cabot	COALBED METHANE (EREC) #3939	COALBED METHANE
4704701362	Cabot	COALBED METHANE (EREC) #3952	COALBED METHANE
4704701368	Cabot	COALBED METHANE (EREC) #3987	COALBED METHANE
4704701369	Cabot	COALBED METHANE (EREC) #3988	COALBED METHANE
4704701370	Cabot	POCAHONTAS LAND "D" #52	BEREA-BIG LIME
4704701373	Cabot	TUG FORK # 8	BEREA-PRINCETON
4704701374	Cabot	POCAHONTAS LAND "M" # 20	GORDON-POCONO
4704701375	Cabot	POCAHONTAS LAND "J" #27	BEREA
4704701375	Cabot	POCAHONTAS LAND "J" #27 (BP)	BIG LIME
4704701378	Cabot	POCAHONTAS LAND "J" #29	BEREA-BIG LIME
4704701379	Cabot	POCAHONTAS LAND "J" #30	BEREA
4704701380	Cabot	POCAHONTAS LAND "D" #50	RAVENCLIFF
4704701384	Cabot	POCAHONTAS LAND "M" # 25	GORDON-POCONO
4704701386	Cabot	BERWIND LAND CO. #27	BEREA
4704701388	Cabot	COALBED METHANE (EREC) #3863	COALBED METHANE
4704701389	Cabot	POCAHONTAS LAND "M" # 19R	WEIR
4704701390	Cabot	POCAHONTAS LAND "J" #32	BIG LIME-BEREA
4704701391	Cabot	POCAHONTAS LAND "D" #53	BEREA-BIG LIME
4704701393	Cabot	POCAHONTAS LAND "J" #31	BEREA
4704701399	Cabot	POCAHONTAS LAND "T" #17	BIG LIME
4704701402	Cabot	POCAHONTAS LAND "T" #15	BIG LIME
4704701403	Cabot	POCAHONTAS LAND "T" #16	BIG LIME
4704701404	Cabot	POCAHONTAS LAND "M" # 26R	INJUN-POCONO
4704701406	Cabot	COALBED METHANE (EREC) #3862	COALBED METHANE
4704701410	Cabot	POCAHONTAS LAND "M" # 24	POCONO
4704701410	Cabot	POCAHONTAS LAND "M" # 24 (BP)	WEIR-BIG LIME
4704701414	Cabot	POCAHONTAS LAND "J" #23	BEREA
4704701415	Cabot	POCAHONTAS LAND "M" # 18R	WEIR-POCONO-BIG LIME-LITTLE LIME
4704701415	Cabot	POCAHONTAS LAND "M" # 18R (BP)	LITTLE LIME
4704701418	Cabot	POCAHONTAS LAND "J" #35	BEREA-BIG LIME
4704701420	Cabot	POCAHONTAS LAND "T" #19 (DRY)	BIG LIME
4704701421	Cabot	POCAHONTAS LAND "J" #33	BEREA
4704701423	Cabot	BERWIND LAND CO. #28	BEREA
4704701435	Cabot	POCAHONTAS LAND "T" #18	BIG LIME
4704701438	Cabot	POCAHONTAS LAND "M" # 29	BEREA-WEIR-POCONO
4704701439	Cabot	POCAHONTAS LAND "M" # 28	BIG LIME
4704701443	Cabot	POCAHONTAS LAND "J" #37	BEREA-BIG LIME
4704701445	Cabot	POCAHONTAS LAND "J" #36	BEREA-BIG LIME
4704701446	Cabot	PANTHER STATE "A" #52 (P&A)	BEREA-BIG LIME
4704701447	Cabot	POCAHONTAS LAND "J" #39	BEREA
4704701452	Cabot	POCAHONTAS LAND "J" #28	BEREA
4704701459	Cabot	POCAHONTAS LAND "J" #38	BEREA-BIG LIME
4704701460	Cabot	POCAHONTAS LAND "J" #42	BEREA
4704701464	Cabot	POCAHONTAS LAND "M" # 27	WEIR-BIG LIME
4704701467	Cabot	POCAHONTAS LAND "T" #28	BIG LIME
4704701472	Cabot	POCAHONTAS LAND "T" #21	BIG LIME
4704701473	Cabot	POCAHONTAS LAND "J" #44	BEREA-BIG LIME
4704701474	Cabot	POCAHONTAS LAND "J" #40	BEREA-BIG LIME
4704701478	Cabot	POCAHONTAS LAND "C" #30	WEIR
4704701479	Cabot	POCAHONTAS LAND "C" #32	LOWER MAXTON-WEIR
4704701485	Cabot	ROYALTY SMOKELESS # 5	RAVENCLIFF
4704701491	Cabot	POCAHONTAS LAND "T" #29	BIG LIME
4704701493	Cabot	POCAHONTAS LAND "J" #53	BEREA-BIG LIME
4704701494	Cabot	POCAHONTAS LAND "J" #43	BEREA
4704701495	Cabot	POCAHONTAS LAND "T" #22	BIG LIME
4704701496	Cabot	POCAHONTAS LAND "J" #54	BEREA
4704701497	Cabot	POCAHONTAS LAND "J" #58	BEREA-BIG LIME
4704701501	Cabot	POCAHONTAS LAND "M" # 31	BIG LIME-LITTLE LIME-WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704701503	Cabot	POCAHONTAS LAND "C" #34	BIG LIME-LOWER & UPPER MAXTON-WEIR
4704701516	Cabot	DAVIS, C. O. # 6	BEREA-RAVENCLIFF
4704701517	Cabot	BERWIND LAND CO. #26	BEREA-BIG LIME
4704701518	Cabot	BANKERS-POCAHONTAS #1716	RAVENCLIFF
4704701522	Cabot	PALMER, G. # 1	POCONO-WEIR
4704701523	Cabot	POCAHONTAS LAND "J" #60	BEREA
4704701531	Cabot	POCAHONTAS LAND "M" # 22	BIG LIME
4704701533	Cabot	POCAHONTAS LAND "T" #26	BIG LIME-LOWER MAXTON-MIDDLE MAXTON
4704701534	Cabot	POCAHONTAS LAND "D" #30	BEREA-BIG LIME
4704701535	Cabot	POCAHONTAS LAND "T" #31	LOWER MAXTON-MIDDLE MAXTON
4704701548	Cabot	PALMER, G. # 2	LOWER WEIR-WEIR SHALE-WEIR
4704701549	Cabot	PALMER, G. # 3	BEREA-LOWER WEIR-WEIR SHALE
4704701549	Cabot	PALMER, G. # 3 (BP)	MAXTON-RAVENCLIFF
4704701550	Cabot	PALMER, G. # 5	WEIR-BEREA FAULT
4704701551	Cabot	PALMER, G. # 4	POCONO-WEIR-WEIR SHALES
4704701560	Cabot	POCAHONTAS LAND "C" #35 T	WEIR-BIG LIME FAULT-BIG LIME
4704701560	Cabot	POCAHONTAS LAND "C" #35 C	MIDDLE MAXTON-RAVENCLIFF
4704701563	Cabot	POCAHONTAS LAND "M" # 36R	BEREA-BIG LIME
4704701570	Cabot	COGC #42	BIG LIME
4704701571	Cabot	POCAHONTAS LAND "M" # 38	RAVENCLIFF
4704701574	Cabot	POLON, RUTH #506269	BEREA-BIG LIME
4704701575	Cabot	POCAHONTAS LAND "M" # 30 - DEEPENING	POCONO
4704701576	Cabot	POCAHONTAS LAND "M" # 39R	BIG LIME
4704701585	Cabot	POCAHONTAS LAND "M" # 40 (P&A)	RAVENCLIFF
4704701592	Cabot	POCAHONTAS LAND "M" # 42	BEREA-BIG LIME-LOWER WEIR-MAXTOM
4704701602	Cabot	POCAHONTAS LAND "T" #24R	BIG LIME
4704701605	Cabot	POCAHONTAS LAND "M" # 43	BEREA-POCONO
4704701608	Cabot	PALMER, G. # 8	WEIR-LOWER MAXTON-MIDDLE MAXTON
4704701609	Cabot	PALMER, G. # 9	WEIR-MIDDLE MAXTON
4704701610	Cabot	POCAHONTAS LAND "C" #39	WEIR-BIG LIME FAULT
4704701611	Cabot	POCAHONTAS LAND "M" # 32R	WEIR-BIG LIME
4704701611	Cabot	POCAHONTAS LAND "M" # 32R (BP)	MIDDLE MAXTON
4704701612	Cabot	BERWIND LAND CO. #30R	BEREA
4704701631	Cabot	POCAHONTAS LAND "T" #33	BIG LIME
4704701633	Cabot	POCAHONTAS LAND "M" # 49	BEREA-BIG LIME FAULT
4704701636	Cabot	POCAHONTAS LAND "M" # 37	POCONO
4704701637	Cabot	POCAHONTAS LAND "M" # 41	BIG LIME FAULT-MIDDLE BIG LIME
4704701638	Cabot	BANKERS-POCAHONTAS "B" # 4 (P&A)	RAVENCLIFF
4704701640	Cabot	POCAHONTAS LAND "M" # 45	INJUN-MIDDLE BIG LIME FAULT-UPPER BIG LIME
4704701640	Cabot	POCAHONTAS LAND "M" # 45 (BP)	MIDDLE MAXTON
4704701641	Cabot	POCAHONTAS LAND "M" # 50	GORDON-BIG LIME FAULT
4704701641	Cabot	POCAHONTAS LAND "M" # 50 (BP)	LOWER MAXTON
4704701648	Cabot	POCAHONTAS LAND "M" # 46	POCONO-BIG LIME-RAVENCLIFF
4704701669	Cabot	PALMER, G. #10	MIDDLE MAXTON
4704701678	Cabot	BERWIND LAND CO. #32	BEREA-GORDON
4704701683	Cabot	LASHER 3-B	POCAHONTAS COALS, CBM
4704701684	Cabot	LASHER 3-C	POCAHONTAS COALS, CBM
4704701687	Cabot	LASHER 1-B	POCA #3 COAL SEAM, CBM
4704701688	Cabot	LASHER 1-C	POCA #3, POCA #4 COAL SEAM, CBM
4704701691	Cabot	PALMER, G. # 7R	BEREA-MIDDLE MAXTON
4704701693	Cabot	POCAHONTAS LAND "M" # 64	BEREA
4704701709	Cabot	POCAHONTAS LAND "M" # 57	INJUN FAULT
4704701711	Cabot	PALMER, G. # 6R	BEREA FAULT-WEIR-M MAXTON
4704701711	Cabot	PALMER, G. # 6R (BP)	RAVENCLIFF
4704701731	Cabot	POCAHONTAS LAND "M" # 44	BIG LIME-POCONO-GORDON FAULT
4704701735	Cabot	POCAHONTAS LAND "M" # 70	BEREA
4704701736	Cabot	POCAHONTAS LAND "M" # 61R	POCONO-BIG LIME FAULT
4704701737	Cabot	POCAHONTAS LAND "M" # 74	LOWER WEIR FAULT
4704701738	Cabot	POCAHONTAS LAND "M" # 55	POCONO
4704701739	Cabot	POCAHONTAS LAND "M" # 68	BEREA
4704701742	Cabot	POCAHONTAS LAND "M" # 58	LITTLE LIME-BIG LIME FAULT-WEIR
4704701743	Cabot	POCAHONTAS LAND "M" # 71	BIG LIME FAULT
4704701744	Cabot	POCAHONTAS LAND "M" # 72	UPPER & LOWER BIG LIME FAULTS
4704701755	Cabot	POCAHONTAS LAND "M" # 69	BEREA-BIG LIME FAULT

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704701772	Cabot	POCAHONTAS LAND "T" #37	BIG LIME FAULT-M. BIG LIME-L. MAXTON
4704701773	Cabot	PALMER, G. #11	MIDDLE MAXTON-INJUN-POCONO-DEVONIAN SHALE FAULT
4704701774	Cabot	BERWIND LAND CO. #34	BEREA
4704701818	Cabot	COGC #46 (P&A)	BIG LIME
4704701822	Cabot	BERWIND LAND CO. #16 (BP)	RAVENCLIFF
4704701822	Cabot	BERWIND LAND CO. #16	BEREA-GORDON
4704701836	Cabot	POCAHONTAS LAND "D" #54	BEREA
4704701836	Cabot	POCAHONTAS LAND "D" #54 (BP)	RAVENCLIFF
4704701839	Cabot	POCAHONTAS LAND "M" # 63R	GORDON FAULT-INJUN FAULT
4704701840	Cabot	POCAHONTAS LAND "M" # 78	BEREA-GORDON
4704701841	Cabot	COGC #29	BEREA-GORDON
4704701842	Cabot	POCAHONTAS LAND "M" # 79	BEREA-GORDON FAULT
4704701842	Cabot	POCAHONTAS LAND "M" # 79 (BP)	RAVENCLIFF
4704701843	Cabot	POCAHONTAS LAND "M" # 80	BEREA-GORDON
4704701845	Cabot	POCAHONTAS LAND "M" #105	BIG LIME-RAVENCLIFF
4704701850	Cabot	POCAHONTAS LAND "M" # 87	LOWER MAXTON
4704701851	Cabot	POCAHONTAS LAND "M" # 88	GORDON-BEREA-POCONO-LITTLE LIME
4704701852	Cabot	POCAHONTAS LAND "M" # 95	GORDON-LOWER WEIR FAULT-BIG LIME
4704701853	Cabot	POCAHONTAS LAND "M" # 98	POCONO
4704701865	Cabot	POCAHONTAS LAND "M" # 89	BIG LIME FAULT- RAVENCLIFF
4704701865	Cabot	POCAHONTAS LAND "M" # 89 (BP)	RAVENCLIFF
4704701866	Cabot	POCAHONTAS LAND "M" # 99	GORDON-BEREA-INJUN FAULTS
4704701867	Cabot	POCAHONTAS LAND "M" #108	BEREA-GORDON
4704701870	Cabot	POCAHONTAS LAND "M" #100	POCONO-BIG LIME FAULT-BIG LIME
4704701871	Cabot	POCAHONTAS LAND "M" #101	GORDON FAULT-WEIR SHALE FAULT-INJUN FAULT
4704701872	Cabot	POCAHONTAS LAND "M" # 83	BEREA-GORDON
4704701874	Cabot	LITZ-HARMAN #12	BIG LIME-WEIR SHALE FAULT-GORDON
4704701875	Cabot	POCAHONTAS LAND "J" #55	BEREA-BIG LIME
4704701880	Cabot	POCAHONTAS LAND "M" #109	GORDON FLT-INJUN FLT-BIG LIME FLT
4704701880	Cabot	POCAHONTAS LAND "M" #109 (BP)	BIG LIME
4704701881	Cabot	WATSON # 5	GORDON FLT-LOWER WEIR FLT-POCONO-INJUN FLT
4704701892	Cabot	POCAHONTAS LAND "M" # 35	INJUN FAULT
4704701893	Cabot	POCAHONTAS LAND "M" # 86	INJUN-POCONO
4704701893	Cabot	POCAHONTAS LAND "M" # 86 (BP)	BIG LIME FAULT
4704701904	Cabot	POCAHONTAS LAND "M" # 97	BIG LIME-INJUN FAULT
4704701905	Cabot	POCAHONTAS LAND "M" # 73	UPPER DEV. FAULT-WEIR-BIG LIME FAULT-L. MAXTON
4704701906	Cabot	POCAHONTAS LAND "M" # 96	POCONO-BIG LIME FAULT-BIG LIME
4704701919	Cabot	POCAHONTAS LAND "M" #107	BEREA-BIG LIME
4704701935	Cabot	POCAHONTAS LAND "T" #34	BEREA-L. WEIR FAULT-BL FAULT-BIG LIME
4704701935	Cabot	POCAHONTAS LAND "T" #34 (BP)	LOWER & MIDDLE MAXTON
4704701936	Cabot	POCAHONTAS LAND "T" #23RR	LOWER MAXTON
4704701937	Cabot	POCAHONTAS LAND "T" #42	BIG LIME-LITTLE LIME
4704701944	Cabot	POCAHONTAS LAND "T" #36	POCONO
4704701945	Cabot	POCAHONTAS LAND "M" # 82	MAXTON-BIG LIME FAULT-WEIR
4704701946	Cabot	POCAHONTAS LAND "M" # 81R	GORDON FAULT-POCONO FAULT-BIG LIME FAULT
4704701947	Cabot	POCAHONTAS LAND "M" #117	WEIR-BIG LIME FAULT-MIDDLE MAXTON FAULT
4704701948	Cabot	DAVIS, C. O. # 7	BEREA-RAVENCLIFF
4704701963	Cabot	POCAHONTAS LAND "M" #139	POCONO-BIG LIME FAULT
4704701976	Cabot	POCAHONTAS LAND "M" # 90	GORDON-POCONO FAULT-INJUN FAULT
4704701985	Cabot	POCAHONTAS LAND "M" # 85	GORDON FAULT-POCONO FAULT
4704701985	Cabot	POCAHONTAS LAND "M" # 85 (BP)	MIDDLE MAXTON
4704701987	Cabot	POCAHONTAS LAND "M" #114	POCONO FAULT
4704701988	Cabot	POCAHONTAS LAND "M" #118	BEREA-BIG LIME FAULT-LITTLE LIME
4704701990	Cabot	POCAHONTAS LAND "J" #61	BIG LIME-BEREA
4704701991	Cabot	POCAHONTAS LAND "J" #64	BEREA-BIG LIME
4704701992	Cabot	POCAHONTAS LAND "J" #66	BEREA-BIG LIME
4704702007	Cabot	POCAHONTAS LAND "M" #128	GORDON-BEREA
4704702007	Cabot	POCAHONTAS LAND "M" #128 (BP)	BIG LIME
4704702008	Cabot	WATSON # 6	BIG LIME-POCONO FAULT-GORDON
4704702009	Cabot	WATSON # 7	GORDON-POCONO FAULT-BL FAULT-U.BIG LIME
4704702010	Cabot	LITZ-HARMAN #14	GORDON-POCONO FAULT-BIG LIME
4704702024	Cabot	POCAHONTAS LAND "M" # 92	BIG LIME FAULT
4704702025	Cabot	POCAHONTAS LAND "M" #125	BIG LIME-BEREA-GORDON
4704702028	Cabot	POCAHONTAS LAND "M" #131	PENCIL CAVE-POCONO-LOWER WEIR FLT-GORDON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704702029	Cabot	POCAHONTAS LAND "M" #132	BEREA-INJUN FAULT-BIG LIME FAULT
4704702029	Cabot	POCAHONTAS LAND "M" #132 (BP)	LOWER MAXTON
4704702034	Cabot	POCAHONTAS LAND "M" #122	POCONO FLT-WEIR FLT-WEIR SHALE FLT
4704702037	Cabot	POCAHONTAS LAND "M" # 91	INJUN FLT-WEIR SHALE FLT-BEREA
4704702037	Cabot	POCAHONTAS LAND "M" # 91 (BP)	MIDDLE MAXTON
4704702038	Cabot	POCAHONTAS LAND "M" #129	POCONO FAULT
4704702055	Cabot	POCAHONTAS LAND "M" #126	GOR-SUNBURY FLT-L WEIR FLT-POC-BL
4704702059	Cabot	POCAHONTAS LAND "M" #133	GORDON-BEREA-INJUN FLT-U & L BIG LIME
4704702061	Cabot	POCAHONTAS LAND "M" #135	POCONO FAULT
4704702062	Cabot	POCAHONTAS LAND "M" #124	BEREA-GORDON
4704702074	Cabot	POCAHONTAS LAND "M" #142	GORDON-BEREA-POCONO
4704702079	Cabot	POCAHONTAS LAND "M" #144	GORDON-BEREA-INJUN-POCONO
4704702079	Cabot	POCAHONTAS LAND "M" #144 (BP)	RAVENCLIFF
4704702080	Cabot	POCAHONTAS LAND "M" #145	GORDON FLT-BEREA-POCONO FLT
4704702100	Cabot	PANTHER STATE "A" #55	BEREA-BIG LIME
4704702101	Cabot	PANTHER STATE "A" #54	BEREA-BIG LIME
4704702102	Cabot	POCAHONTAS LAND "T" #43	L MAXTON-DEVONIAN SHALE-BIG LIME
4704702103	Cabot	WATSON UNIT #11	GORDON-POCONO FLT-RAVENCLIFF
4704702104	Cabot	BERWIND-CAPLES # 2	GORDON-POCONO FLT-BIG LIME FLT
4704702104	Cabot	BERWIND-CAPLES # 2 (BP)	M MAXTON-U MAXTON-RAVENCLIFF-PRINCETON
4704702108	Cabot	RED ASH POCAHONTAS "A" #10	BEREA-BIG LIME-RAVENCLIFF
4704702113	Cabot	BERWIND-CAPLES # 1	GORDON FLT-POCONO FLT-LITTLE LIME
4704702156	Cabot	BERWIND-CAPLES # 6	GORDON-BIG LIME FLT-RAVENCLIFF
4704702170	Cabot	COALBED METH #WCV 510557	COALBED METHANE
4704702171	Cabot	COALBED METH #WCV 510637	COALBED METHANE
4704702172	Cabot	COALBED METH #WCV 510638	COALBED METHANE
4704702173	Cabot	BERWIND-CAPLES # 3	GORDON-WEIR FLT-LITTLE LIME
4704702173	Cabot	BERWIND-CAPLES # 3 (BP)	RAVENCLIFF
4704702178	Cabot	COALBED METH #WCV 510560	COALBED METHANE
4704702179	Cabot	COALBED METH #WCV 510562	COALBED METHANE
4704702209	Cabot	POCAHONTAS LAND "M" #127 (P&A)	L. WEIR SHALES FLT-POCONO-MAXTON FAULT
4704702209	Cabot	POCAHONTAS LAND "M" #127 (BP)	RAVENCLIFF
4704702210	Cabot	BERWIND-CAPLES # 4	GORDON-BIG LIME FLT-LOWER MAXTON
4704702211	Cabot	BERWIND-CAPLES # 5	GORDON-BEREA FLT-MIDDLE MAXTON
4704702213	Cabot	LITZ-HARMAN #16	GORDON-BEREA
4704702216	Cabot	POCAHONTAS LAND "M" #149	LOWER MAXTON-RAVENCLIFF
4704702228	Cabot	POCAHONTAS LAND "T" #44	BIG LIME FLT-BIG LIME-LITTLE LIME
4704702228	Cabot	POCAHONTAS LAND "T" #44 (BP)	LOWER MAXTON-MIDDLE MAXTON
4704702230	Cabot	COGC #16	GORDON-BEREA
4704702231	Cabot	POCAHONTAS LAND "M" #161	GORDON-BEREA-POCONO FLT-BIG LIME FLT
4704702232	Cabot	POCAHONTAS LAND "M" #162	UPPER DEVONIAN FLT-POCONO FLT-BIG LIME FLT
4704702234	Cabot	POCAHONTAS LAND "M" #166	POCONO FAULT-M & L BIG LIME FAULTS
4704702234	Cabot	POCAHONTAS LAND "M" #166 (BP)	RAVENCLIFF
4704702235	Cabot	POCAHONTAS LAND "M" #167	POCONO FLT-L BIG LIME-BL FLT
4704702236	Cabot	LITZ-HARMAN #15	GORDON-BEREA-RAVENCLIFF
4704702239	Cabot	COGC #50	BIG LIME-LOWER MAXTON
4704702240	Cabot	POCAHONTAS LAND "M" #138	LOWER WEIR SHALES FLT-POCONO FLT-BIG LIME
4704702259	Cabot	POCAHONTAS LAND "M" #165	LOWER WEIR SHALES FLT-POCONO FLT
4704702259	Cabot	POCAHONTAS LAND "M" #165 (BP)	RAVENCLIFF
4704702266	Cabot	POCAHONTAS LAND "J" #56	GORDON-BEREA
4704702270	Cabot	POCAHONTAS LAND "C" #42	L. WEIR FLT-WEIR-U.,M,.&L. MAXTONS
4704702271	Cabot	POCAHONTAS LAND "T" #45	BEREA-BIG LIME-LITTLE LIME FAULT
4704702272	Cabot	POCAHONTAS LAND "M" #164	POCONO FLT-BIG LIME-BIG LIME FLT-LITTLE LIME
4704702273	Cabot	POCAHONTAS LAND "J" #62	BEREA-MIDDLE BIG LIME
4704702276	Cabot	POCAHONTAS LAND "M" #155	WEIR-INJUN FAULT
4704702286	Cabot	POCAHONTAS LAND "M" #159	GORDON FAULT-BIG LIME FAULT
4704702292	Cabot	POCAHONTAS LAND "M" #160	INJUN FAULT-MAXTON
4704702294	Cabot	BERWIND-CAPLES # 7	GORDON-BIG LIME FLT
4704702294	Cabot	BERWIND-CAPLES # 7 (BP)	RAVENCLIFF
4704702312	Cabot	POCAHONTAS LAND "T" #47	WEIR SHALES FAULT-POCONO-BIG LIME
4704702317	Cabot	BERWIND-CAPLES # 8	DEVONIAN SHALE FLT-GORDON-POCONO FLT
4704702318	Cabot	BERWIND-CAPLES # 9	GORDON-BEREA FAULT
4704702327	Cabot	POCAHONTAS LAND "M" # 94 R	GORDON-BIG LIME-RAVENCLIFF
4704702331	Cabot	POCAHONTAS LAND "T" #20	BIG LIME-MIDDLE MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704702338	Cabot	TUG FORK # 9	BEREA-RAVENCLIFF-PRINCETON
4704702339	Cabot	POCAHONTAS LAND "T" #48	MARCELLUS-RHINESTREET FRACTURE-POCONO
4704702340	Cabot	POCAHONTAS LAND "D" #64	BEREA-BIG LIME
4704702340	Cabot	POCAHONTAS LAND "D" #64 (BP)	RAVENCLIFF
4704702341	Cabot	POCAHONTAS LAND "D" #66	BEREA-BIG LIME
4704702345	Cabot	POCAHONTAS LAND "J" #67	BEREA
4704702346	Cabot	POCAHONTAS LAND "J" #69	GORDON-BEREA-UPPER BIG LIME
4704702353	Cabot	POCAHONTAS LAND "M" # 93 R	BEREA-WEIR FLT-BIG LIME FLT
4704702354	Cabot	ROYALTY SMOKELESS # 6	RAVENCLIFF
4704702355	Cabot	POCAHONTAS LAND "M" #102 R	GORDON FLT-WEIR-POCONO FLT
4704702356	Cabot	POCAHONTAS LAND "M" #153	GOR-GOR FLT-BEREA-BEREA FLT-INJUN FLT-BIG LIME
4704702356	Cabot	POCAHONTAS LAND "M" #153 (BP)	LOWER MAXTON
4704702359	Cabot	POCAHONTAS LAND "M" #170	DEVONIAN SHALE FLT-BEREA-LOWER WEIR FLT-POCONO FLT
4704702360	Cabot	POCAHONTAS LAND "M" #176	BEREA-LOWER MAXTON FAULT
4704702362	Cabot	POCAHONTAS LAND "M" #148	GORDON-BEREA
4704702377	Cabot	POCAHONTAS LAND "M" #123	GORDON FLT-LOWER WEIR FLT-POCONO FLT
4704702381	Cabot	POCAHONTAS LAND "M" #174	GORDON FLT-BEREA-POCONO FLT-PENCIL CAVE
4704702382	Cabot	POCAHONTAS LAND "M" #119 R	BEREA FAULT-POCONO FAULT
4704702385	Cabot	POCAHONTAS LAND "M" #171 A	POCONO FLT-BIG LIME FLT-MIDDLE MAXTON
4704702402	Cabot	RED ASH POCAHONTAS "A" # 9	BEREA-RAVENCLIFF
4704702404	Cabot	BERWIND-CAPLES #10S	GORDON-WEIR FLT-POCONO FLT-INJUN FLT
4704702404	Cabot	BERWIND-CAPLES #10S (BP)	RAVENCLIFF
4704702405	Cabot	POCAHONTAS LAND "C" #33	WEIR-INJUN FLT-BIG LIME FLTS-BIG LIME
4704702406	Cabot	POCAHONTAS LAND "M" #177	GORDON FLT-BEREA FLT-INJUN FLT-U. MAX
4704702407	Cabot	POCAHONTAS LAND "M" #185	BEREA FAULT-WEIR-BIG LIME FAULT
4704702411	Cabot	POCAHONTAS LAND "M" #173R	GORDON FLT-BEREA-POCONO FLT-INJUN FLT
4704702411	Cabot	POCAHONTAS LAND "M" #173R (BP)	BIG LIME
4704702416	Cabot	POCAHONTAS LAND "M" #175	GORDON FLT-BEREA-POCONO FLT-BIG LIME
4704702422	Cabot	POCAHONTAS LAND "M" #137	GORDON FAULT-UPPER BIG LIME FAULTS
4704702438	Cabot	POCAHONTAS LAND "M" #168R	GORDON-BEREA-RAVENCLIFF
4704702439	Cabot	BANKERS-POCAHONTAS "B" #7 (BP)	RHINESTREET-HURON-BIG LIME-RAVENCLIFF
4704702439	Cabot	BANKERS-POCAHONTAS "B" #7	MARCELLUS
4704702441	Cabot	PANTHER STATE "A" #16 R	BEREA-BIG LIME
4704702443	Cabot	PANTHER STATE "A" #27 R	BEREA-BIG LIME
4704702450	Cabot	RED ASH POCAHONTAS "A" #11	BEREA-LOWER BIG LIME
4704702450	Cabot	RED ASH POCAHONTAS "A" #11 (BP)	UPPER BIG LIME-RAVENCLIFF
4704702451	Cabot	BERWIND LAND CO. #46	GORDON-BEREA
4704702452	Cabot	POCAHONTAS LAND "M" #181	BEREA-WEIR FLTS-POCONO FLT-BIG LIME
4704702461	Cabot	GILBERT & PLUMLEY "A" #74	BEREA-LOWER BIG LIME
4704702467	Cabot	POCAHONTAS LAND "T" #49R	BIG LIME-MIDDLE MAXTON-UPPER MAXTON
4704702468	Cabot	POCAHONTAS LAND "J" #75	RHINESTREET-LOWER HURON-BEREA
4704702469	Cabot	POCAHONTAS LAND "D" #67	BEREA-POCONO FLT-L. BIG LIME-RAVENCLIFF
4704702470	Cabot	GILBERT & PLUMLEY "A" #65R	BIG LIME-LOWER & UPPER MAXTON
4704702471	Cabot	GILBERT & PLUMLEY "A" #66R	POCONO FRAXTURE-LOWER MAXTON
4704702471	Cabot	GILBERT & PLUMLEY "A" #66R (BP)	RAVENCLIFF
4704702473	Cabot	POCAHONTAS LAND "T" #51R	BEREA -INJUN FLT-UPPER MAXTON
4704702479	Cabot	POCAHONTAS LAND "M" #179R	BEREA FLT-POCONO FLT-BIG LIME FLT
4704702479	Cabot	POCAHONTAS LAND "M" #179R (BP)	RAVENCLIFF
4704702483	Cabot	BERWIND LAND CO. #22	BEREA-GORDON
4704702484	Cabot	BERWIND LAND CO. #45	BEREA-GORDON
4704702487	Cabot	POCAHONTAS LAND "M" #151	MARCELLUS-HURON FLT-WEIR-U BIG LIME
4704702487	Cabot	POCAHONTAS LAND "M" #151 (BP)	RAVENCLIFF
4704702488	Cabot	POCAHONTAS LAND "M" #152	MARCELLUS-L.HURON FLT-WEIR-U BIG LIME
4704702488	Cabot	POCAHONTAS LAND "M" #152 (BP)	L. MAXTON/RAVENCLIFF
4704702493	Cabot	POCAHONTAS LAND "M" #156R	LOWER WEIR SHALES FAULT-POCONO-MIDDLE BIG LIME
4704702496	Cabot	POCAHONTAS LAND "D" #71	BIG LIME-RAVENCLIFF
4704702500	Cabot	PANTHER STATE "A" #58	BEREA-LOWER BIG LIME-UPPER BIG LIME
4704702501	Cabot	POCAHONTAS LAND "M" #157	MARCELLUS-RHINESTREET-BEREA-RAVENCLIFF
4704702501	Cabot	POCAHONTAS LAND "M" #157 (BP)	RAVENCLIFF
4704702505	Cabot	POCAHONTAS LAND "M" #158	GORDON-POCONO-BIG LIME FLTS-M. MAXTON
4704702506	Cabot	PANTHER STATE "A" #33	BEREA-LOWER BIG LIME-UPPER BIG LIME
4704702508	Cabot	POCAHONTAS LAND "J" #77	MARCELLUS-RHINESTREET-L. HURON-GORDON-BEREA-B LIME
4704702515	Cabot	GILBERT & PLUMLEY "B" #2H-DRY	MARCELLUS
4704702518	Cabot	POCAHONTAS LAND "M" #183	MARCELLUS-GORDON-BEREA

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4704702529	Cabot	MAP #10 - 2010-01 (PRB)	BEREA-BIG LIME
4704702532	Cabot	BANKERS-POCAHONTAS "B" #8S	MARCELLUS-RHINESTREET-ELK-L. HURON-BIG LIME
4704702532	Cabot	BANKERS-POCAHONTAS "B" #8S (BP)	RAVENCLIFF
4704702533	Cabot	GILBERT & PLUMLEY "B" #1	MARCELLUS-SPEECHLEY-HURON-GORDON
4704702533	Cabot	GILBERT & PLUMLEY "B" #1 (BP)	BIG LIME-RAVENCLIFF
4704702534	Cabot	RED ASH POCAHONTAS "A" #14	MARCELLUS-L. HURON-SPEECHLEY
4704702535	Cabot	BERWIND LAND CO. #43	MARCELLUS-DEVONIAN SHALES-GORDON-BEREA-BIG LIME
4704702536	Cabot	POCAHONTAS LAND "M" #210	MARCELLUS-RHINESTREET-L. HURON-POCONO FLT-M MAXTON
4704702544	Cabot	POCAHONTAS LAND "D" #68 P&A	
4704702549	Cabot	BERWIND-CAPLES #13	MARCELLUS-RHINESTREET-SPEECHLEY-GORDON
4704702553	Cabot	GILBERT & PLUMLEY "B" #3H - DRY	MARCELLUS
4704702559	Cabot	POCAHONTAS LAND "D" #63R	MARCELLUS-RHINESTREET-L. HURON-BEREA
4704702559	Cabot	POCAHONTAS LAND "D" #63R (BP)	BIG LIME-LITTLE LIME
4704702561	Cabot	GILBERT & PLUMLEY "A" #82	U. & M. BIG LIME-U. & M. MAXTON
4704702573	Cabot	BERWIND LAND CO. #35	MARCELLUS-DEVONIAN SHALES-GORDON-BEREA
4704702593	Cabot	POCAHONTAS LAND "M" #192	MARCELLUS-GORDON FLT-BEREA FLT-M BIG LIME-L MAXTON
4704702594	Cabot	POCAHONTAS LAND "M" #200	MARCELLUS-U HURON FLT-POCONO-L BIG LIME-U BIG LIME
4704702594	Cabot	POCAHONTAS LAND "M" #200 (BP)	LOWER MAXTON
4704702602	Cabot	GILBERT & PLUMLEY "A" #72	MARCELLUS-L DEVONIAN SHALES-BIG LIME
4704702602	Cabot	GILBERT & PLUMLEY "A" #72 (BP)	RAVENCLIFF
4704702628	Cabot	SOUTHERN MINERALS UNIT #1	MARCELLUS-RHINESTREET-BEREA-INJUN FAULT
4704702640	Cabot	BERWIND LAND CO. #54	MARCELLUS SHALE-BEREA
4704702641	Cabot	BERWIND-CAPLES #14	L BIG LIME-U BIG LIME-RAVENCLIFF
4704702642	Cabot	POCAHONTAS LAND "C" #51	WEIR-L BIG LIME-U BIG LIME-M MAXTON
4704702643	Cabot	FOREMAN "A" # 1	MARCELLUS-3RD ELK FLT-1ST ELK FLT-L WEIR SH FLT
4704702659	Cabot	POCAHONTAS LAND "J" #78H	BEREA
4704702669	Cabot	BERWIND-CAPLES #15	MARCELLUS-L. HURON-BIG LIME FLT-U. BIG LIME
4704702673	Cabot	GILBERT & PLUMLEY "A" #73	MARCELLUS-RHINESTREET-L. HURON-BEREA
4704702673	Cabot	GILBERT & PLUMLEY "A" #73 (BP)	L BIG LIME-RAVENCLIFF
4705300260	Cabot	WOOD, FREDA # 1	DEVONIAN SHALE
4705300432	Cabot	BUTLER # 1	RHINESTREET-HURON
4705300433	Cabot	BROWNING #1H	HURON SHALE
4705300434	Cabot	BUTLER "A" # 1 (HORIZONTAL) (NOT FRAC'D	HURON SHALE
4705300436	Cabot	BUTLER # 2 (HORIZONTAL)	HURON SHALE
4705300438	Cabot	JORDAN # 2 (HORIZONTAL)	HURON SHALE
4705300442	Cabot	CONRAD #1H	HURON SHALE
4705300443	Cabot	BUTLER "B" # 1 (HORIZONTAL)	HURON SHALE
4705300444	Cabot	BUTLER "B" # 2 (HORIZONTAL)	HURON SHALE
4705300449	Cabot	MEADOWS "A" #1H	HURON SHALE
4705300450	Cabot	MEADOWS "A" #2H	HURON SHALE
4705300451	Cabot	CONRAD "A" #1H	HURON SHALE
4705300452	Cabot	CONRAD "A" #2H	HURON SHALE
4705300461	Cabot	GIOMPALO #1 (HORIZONTAL)	HURON SHALE
4705300463	Cabot	HOLLEY # 1 (HORIZONTAL)	HURON SHALE
4705300467	Cabot	BROWNING #2H	HURON SHALE
4705300472	Cabot	BUTLER "A" # 2 (HORIZONTAL)	HURON SHALE
4705500250	Cabot	CASALI #1	BIG LIME - MAXTON
4705500251	Cabot	KEATON #1 (P & A)	POCONO
4705500257	Cabot	BLUE JAY # 1	BLUE MONDAY
4705500258	Cabot	BLUE JAY # 2 (P&A)	LITTLE LIME
4705500259	Cabot	HAGA # 1 (SOLD)	WEIR
4705500270	Cabot	CASALI #3	LOWER MAXTON
4705500275	Cabot	BLUE JAY # 3	LITTLE LIME FAULT
4705500292	Cabot	CASALI #2	MAXTON-BIG LIME
4705500320	Cabot	BLUE JAY # 4	BIG LIME-LOWER MAXTON-UPPER MAXTON
4705500327	Cabot	CASALI #6 R	BIG LIME-LOWER MAXTON
4705500335	Cabot	BLUE JAY # 8	BIG LIME-LOWER MAXTON-MIDDLE MAXTON-UPPER MAXTON
4705500342	Cabot	BLUE JAY # 9	BIG LIME
4705900015	Cabot	WILSON C. & L. CO. #11 (DEEPENING)	BEREA-DEVONIAN SHALE
4705901178	Cabot	SPRATT HEIRS # 1	BEREA-BIG LIME-DEVONIAN SHALE
4705901230	Cabot	SPRATT HEIRS # 2	BEREA-BIG LIME-SHALE
4705901270	Cabot	SPRATT HEIRS # 3	BEREA-BIG LIME
4706300012	Cabot	SIZEMORE, FRANCES # 1 (P&A)	HEALING SPRINGS-TUSCARORA
4706700001	Cabot	HILL & LONG # 6	INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4706700007	Cabot	SMITH, WALTER # 2	INJUN
4706700009	Cabot	C & H CORPORATION # 1	INJUN
4706700021	Cabot	FEDERAL COAL CO. # 2	KEENER
4706700029	Cabot	JARRETT, ALLIE # 1	KEENER
4706700040	Cabot	FEDERAL COAL CO. # 3	KEENER
4706700041	Cabot	FEDERAL COAL CO. # 4	INJUN
4706700042	Cabot	BACKUS, C. D. # 1	BIG LIME-INJUN-MAXTON
4706700050	Cabot	FEDERAL COAL CO. # 6	INJUN
4706700155	Cabot	AMICK, M. E. # 1	BIG LIME
4706700250	Cabot	FEDERAL COAL CO. "A" # 1	INJUN
4706700284	Cabot	HILL & LONG "A" # 1	INJUN-KEENER
4706700285	Cabot	HILL & LONG "A" # 2	BLUE MONDAY-INJUN-KEENER
4706700286	Cabot	HILL & LONG "A" # 3	INJUN
4706700287	Cabot	HILL & LONG "A" # 4	BIG LIME-INJUN
4706700288	Cabot	HILL & LONG "A" # 6	BLUE MONDAY-INJUN-KEENER
4706700292	Cabot	HILL & LONG "B" # 1	INJUN
4706700302	Cabot	TAYLOR, LILLIE # 1	INJUN-KEENER
4706700303	Cabot	HILL & LONG "A" # 7	INJUN-KEENER
4706700311	Cabot	MILLEN, JAMES # 1	INJUN
4706700316	Cabot	JOHNSON, W. R. # 2	BIG LIME-INJUN
4706700317	Cabot	RHYAN, LORETTA # 1	BIG LIME-INJUN
4706700318	Cabot	RHYAN, LORETTA # 3	INJUN
4706700319	Cabot	TULLEY, J. M. # 1	INJUN
4706700321	Cabot	RHYAN, LORETTA # 2	INJUN
4706700322	Cabot	FOREMAN, CHRISTABEL # 1	INJUN
4706700340	Cabot	FOREMAN, CHRISTABEL # 2	INJUN
4706700341	Cabot	RHYAN, LORETTA UNIT "A" # 1	BIG LIME-INJUN
4706700342	Cabot	HEROLD, G. D. # 1	BIG LIME-INJUN
4706700343	Cabot	HEROLD, G. D. # 2	BIG LIME-INJUN-KEENER
4706700344	Cabot	HEROLD, G. D. # 3	BIG LIME-INJUN-WEIR
4706700349	Cabot	BROUGHMAN, THELMA # 1	INJUN-KEENER
4706700361	Cabot	FEDERAL COAL CO. "A" # 2	INJUN-SALT SAND
4706700362	Cabot	FEDERAL COAL CO. "A" # 3	INJUN
4706700407	Cabot	HILL & LONG "A" # 9	INJUN-KEENER
4706700408	Cabot	HILL & LONG "A" #10	INJUN
4706700409	Cabot	FEDERAL COAL CO. "A" # 4	INJUN-KEENER
4706700410	Cabot	FEDERAL COAL CO. "A" # 5	BIG LIME-INJUN
4706700411	Cabot	C & H CORPORATION "B" #12	INJUN-KEENER
4706700412	Cabot	C & H CORPORATION "B" #11	BIG LIME-INJUN
4706700413	Cabot	C & H CORPORATION "B" #10	INJUN
4706700414	Cabot	C & H CORPORATION "B" #13	BIG LIME-INJUN
4706700415	Cabot	C & H CORPORATION "B" #14	BIG LIME-INJUN
4706700417	Cabot	DALPORTO, SECONDO # 1	INJUN-KEENER
4706700428	Cabot	HILL & LONG "B" #12	INJUN-KEENER
4706700429	Cabot	HILL & LONG "B" #14	INJUN-KEENER
4706700430	Cabot	HILL & LONG "B" #15	INJUN-KEENER
4706700431	Cabot	C & H CORPORATION "B" #15	BIG LIME
4706700433	Cabot	C & H CORPORATION "B" #17 (P&A)	BIG LIME-INJUN
4706700434	Cabot	C & H CORPORATION "B" #18	BIG LIME-INJUN
4706700436	Cabot	HILL & LONG "B" #11	INJUN
4706700437	Cabot	HILL & LONG "B" #13	BIG LIME-INJUN-KEENER
4706700438	Cabot	C & H CORPORATION "B" #20	INJUN
4706700439	Cabot	C & H CORPORATION "B" #21	INJUN
4706700451	Cabot	DALPORTO, SECONDO # 2	INJUN-KEENER
4706700454	Cabot	HILL & LONG # 1	INJUN
4706700455	Cabot	HILL & LONG # 2	INJUN
4706700477	Cabot	C & H CORPORATION "B" #29	BIG LIME
4706700479	Cabot	SOUTHERN LAND CO. # 1	INJUN-KEENER
4706700723	Cabot	ORLANDI TRUSTEES # 1 C	MAXTON
4706700723	Cabot	ORLANDI TRUSTEES # 1 T	BIG LIME
4706700724	Cabot	ORLANDI TRUSTEES # 2	BIG LIME
4706700727	Cabot	ORLANDI TRUSTEES # 4	BIG LIME-MAXTON
4706700730	Cabot	ORLANDI TRUSTEES # 5	BIG LIME-MAXTON
4706700731	Cabot	ORLANDI TRUSTEES # 6	BIG LIME-LOWER MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4706700732	Cabot	ORLANDI TRUSTEES # 7	BIG LIME-MAXTON
4706700735	Cabot	ROCKWELL-CARDEN # 2	BIG LIME
4706700745	Cabot	ORLANDI TRUSTEES #19	BIG LIME-LOWER MAXTON
4706700748	Cabot	CANNELTON INDUSTRIES "B" # 5	GORDON-INJUN
4706700777	Cabot	ELK RIVER COAL & LUMBER "C" # 5	BIG LIME-MAXTON
4706700803	Cabot	ORLANDI TRUSTEES # 8R	BIG LIME-MAXTON
4706700809	Cabot	FOREMAN, CHRISTABEL # 3	BIG LIME-INJUN-KEENER
4706700812	Cabot	ORLANDI TRUSTEES #16 (DEEPENING)	POCONO-GORDON
4706700813	Cabot	ORLANDI TRUSTEES #28	MIDDLE MAXTON
4706700814	Cabot	ORLANDI TRUSTEES #15R	MIDDLE MAXTON
4706700817	Cabot	JARRETT, ALLIE # 2	BIG LIME-INJUN
4706700818	Cabot	C & H CORPORATION "B" #30	BIG LIME-INJUN
4706700825	Cabot	C & H CORRORATION "B" #31	BIG LIME-KEENER
4706700831	Cabot	JARRETT, ALLIE # 3	INJUN-KEENER
4706700872	Cabot	C & H CORPORATION "B" #35	BIG LIME-BLUE MONDAY
4706700873	Cabot	BLAIR # 1	DEVONIAN SHALE FAULT-POCONO FAULT
4706700876	Cabot	CAMPBELL # 1	DEVONIAN SHALE FAULT-FIFTH SAND-POCONO-BLUE MONDAY
4706700881	Cabot	ORLANDI TRUSTEES #29	POCONO-BIG LIME-MAXTON
4706700882	Cabot	ORLANDI TRUSTEES #30	POCONO-BIG LIME
4706700895	Cabot	TIOGA LUMBER #5	MARCELLUS
4706700896	Cabot	TIOGA LUMBER #6	BLUE MONDAY
4707500018	Cabot	UNITED STATES OF AMERICA "L" # 1	ORISKANY
4707500019	Cabot	UNITED STATES OF AMERICA "M" # 1	ORISKANY
4707500020	Cabot	UNITED STATES OF AMERICA "O" # 1 (SIDE)	ORISKANY
4707500022	Cabot	UNITED STATES OF AMERICA "P" # 1	ORISKANY
4707500023	Cabot	UNITED STATES OF AMERICA "R" # 1	ORISKANY
4707500024	Cabot	UNITED STATES OF AMERICA "S" # 1 (P&A)	ORISKANY
4707500024	Cabot	UNITED STATES OF AMERICA "S" # 1 S/T	ORISKANY
4707500048	Cabot	MONONGAHELA NATIONAL FOREST # 1	ORISKANY
4707500049	Cabot	MONONGAHELA NATIONAL FOREST # 2	ORISKANY
4707500050	Cabot	JOHNSTON, O #1 S/T	ORISKANY
4707500051	Cabot	MONONGAHELA NATIONAL FOREST #15	ORISKANY
4707500054	Cabot	MONONGAHELA NATIONAL FOREST #18 (P&A)	ORISKANY
4707900010	Cabot	SUMMERS-QUARRIER-QUIN. # 1	VARIOUS
4707900068	Cabot	LAKE - TEAYS VALLEY LAND CO.	BIG LIME
4707900069	Cabot	LAKE - BERTIE ONEY, ET AL 7231	BIG LIME
4707900076	Cabot	LAKE - RUPE, W. A., ET US	BIG LIME
4707900077	Cabot	LAKE - TINCHER, C. E., ET AL	BIG LIME
4707900080	Cabot	BROWNS CREEK - LILLIAN ROGER SMITH ET AL	BIG LIME
4707900082	Cabot	LAKE - BERTIE ONEY, ET AL 7176	BIG LIME
4707900091	Cabot	LAKE - LAKE, J. L., ET AL	BIG LIME
4707900092	Cabot	LAKE - LUELLA PHELPS, EL AL	BIG LIME
4707900093	Cabot	LAKE - ANNA HUMPHREYS, ET AL	BIG LIME
4707900094	Cabot	LAKE - RUPE, W. A., ET UX	BIG LIME
4707900154	Cabot	LAKE - CLATIE WOOD, ET UX	BIG LIME
4707900207	Cabot	BLACK BETSEY # 1	DEVONIAN SHALE
4707900217	Cabot	PUTNAM LAND CO. #35	ORISKANY
4707900217	Cabot	PUTNAM LAND CO. #35 (BP)	DEVONIAN SHALE
4707900221	Cabot	AMHERST COAL CO. # 2	DEVONIAN SHALE
4707900223	Cabot	HATFIELD CAMPBELLS CREEK COAL #3	BIG LIME
4707900232	Cabot	PUTNAM #36	BIG LIME
4707900241	Cabot	PUTNAM LAND CO. #38	DEVONIAN SHALE
4707900274	Cabot	RAYMOND CITY CABOT HOGE 1536	BIG LIME
4707900290	Cabot	RAYMOND CITY # 1	BIG LIME
4707900334	Cabot	POCA COAL CO. #13	ORISKANY
4707900347	Cabot	POCA COAL CO. #14	DEVONIAN SHALE
4707900348	Cabot	MCLEAN, J. L. # 30 (HISTORICAL)	MARCELLUS SHALE-HURON SHALE
4707900348	Cabot	MCLEAN, J. L. # 30	DEVONIAN SHALE
4707900362	Cabot	POCA COAL CO. #15	DEVONIAN SHALE
4707900363	Cabot	MCLEAN, J. L. # 33 (HISTORICAL)	HURON SHALE
4707900363	Cabot	MCLEAN, J. L. # 33	DEVONIAN SHALE
4707900377	Cabot	MCLEAN, J. L. # 36	DEVONIAN SHALE
4707900380	Cabot	MCLEAN, J. L. # 37	ORISKANY-DEVONIAN SHALE
4707900404	Cabot	RAYMOND CITY X-1-7020	BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4707900405	Cabot	RAYMOND CITY X-1-7021	BIG LIME
4707900407	Cabot	FRANK HARDY X-1-7019	BIG LIME
4707900448	Cabot	BROWNS CREEK - ALTHEA BALLARD, 7146	BIG LIME
4707900449	Cabot	BROWNS CREEK - CLARENCE LEWIS 7147	BIG LIME
4707900454	Cabot	HARDY, FRANK # 4	ORISKANY
4707900458	Cabot	KESSELL, HANK # 1	ORISKANY
4707900469	Cabot	HARDY, FRANK # 5	ORISKANY
4707900507	Cabot	MCLEAN, J. L. # 47	DEVONIAN SHALE
4707900508	Cabot	MCLEAN, J. L. # 48	DEVONIAN SHALE
4707900514	Cabot	HATFIELD CAMPBELLS CREEK COAL #6	BIG LIME
4707900516	Cabot	LAKE - BERTIE ONEY, ET AL 7181	BIG LIME
4707900531	Cabot	AMHERST COAL CO. # 7	ORISKANY
4707900532	Cabot	BLACK BETSEY # 4	DEVONIAN SHALE
4707900541	Cabot	BLACK BETSEY # 6	DEVONIAN SHALE
4707900544	Cabot	BLACK BETSEY # 7	DEVONIAN SHALE
4707900545	Cabot	SIGMAN, J. J. # 1	ORISKANY
4707900562	Cabot	RAYMOND CITY # 3	ORISKANY
4707900570	Cabot	CONEY, ALICE # 1	ORISKANY
4707900577	Cabot	TROUT, R. T. # 1	ORISKANY
4707900601	Cabot	MELTON, ROME # 1	ORISKANY
4707900606	Cabot	BLACK BETSEY # 9	BIG LIME
4707900614	Cabot	BLACK BETSEY #10	DEVONIAN SHALE
4707900700	Cabot	PUTNAM LAND CO. #48	ORISKANY
4707900702	Cabot	BLACK BETSEY #12	ORISKANY
4707900706	Cabot	RAYMOND CITY # 5	BIG LIME
4707900714	Cabot	RAYMOND CITY # 9	ORISKANY
4707900735	Cabot	ALBERTSON, C. E. # 1	ORISKANY
4707900782	Cabot	ALBERTSON, C. E. # 2	ORISKANY
4707900809	Cabot	AMHERST (SPARTAN) # 1	DEVONIAN SHALE
4707900811	Cabot	AMHERST (SPARTAN) # 2	DEVONIAN SHALE
4707900812	Cabot	AMHERST (SPARTAN) # 3	DEVONIAN SHALE
4707900813	Cabot	AMHERST (SPARTAN) # 4	DEVONIAN SHALE
4707900814	Cabot	AMHERST (SPARTAN) # 5	DEVONIAN SHALE
4707900861	Cabot	MCLEAN, J. L. "A" # 4	DEVONIAN SHALE
4707900862	Cabot	MCLEAN, J. L. "A" # 7	DEVONIAN SHALE
4707900863	Cabot	MCLEAN, J. L. "A" # 6	DEVONIAN SHALE
4707900865	Cabot	PUTNAM LAND CO. "B" # 3	DEVONIAN SHALE
4707900866	Cabot	HARDY HEIRS "B" # 3	DEVONIAN SHALE
4707900867	Cabot	PUTNAM LAND CO. "B" # 4	DEVONIAN SHALE
4707900868	Cabot	PUTNAM LAND CO. "B" # 5	DEVONIAN SHALE
4707900869	Cabot	PUTNAM LAND CO. "B" # 6	DEVONIAN SHALE
4707900870	Cabot	PUTNAM LAND CO. "B" # 7	DEVONIAN SHALE
4707900871	Cabot	MCLEAN, J. L. "A" # 2	DEVONIAN SHALE
4707900873	Cabot	MCLEAN, J. L. "A" # 3	DEVONIAN SHALE
4707900874	Cabot	PUTNAM LAND CO. "B" # 2	DEVONIAN SHALE
4707900875	Cabot	HARDY HEIRS "B" # 4	DEVONIAN SHALE
4707900904	Cabot	PUTNAM LAND CO. "B" # 8	DEVONIAN SHALE
4707900910	Cabot	SMITH, G. W. # 1	DEVONIAN SHALE
4707900911	Cabot	SMITH, G. W. # 2	DEVONIAN SHALE
4707900919	Cabot	HILL, HOWARD # 1	DEVONIAN SHALE
4707900921	Cabot	MCLEAN, J. L. "A" # 9	DEVONIAN SHALE
4707900922	Cabot	PUTNAM LAND CO. "B" # 9	DEVONIAN SHALE
4707900923	Cabot	PUTNAM LAND CO. "B" # 10	DEVONIAN SHALE
4707900925	Cabot	STEPHENS, JOHN # 1	DEVONIAN SHALE
4707900926	Cabot	MCLEAN, J. L. "A" # 13	DEVONIAN SHALE
4707900927	Cabot	MCLEAN, J. L. "A" # 14	DEVONIAN SHALE
4707900928	Cabot	MCLEAN, J. L. "A" # 17	DEVONIAN SHALE
4707900933	Cabot	BUSH, LLYOD # 1	DEVONIAN SHALE
4707900960	Cabot	PUTNAM LAND CO. "B" # 11	DEVONIAN SHALE
4707900961	Cabot	MCLEAN, J. L. "A" # 12	DEVONIAN SHALE
4707900962	Cabot	MCLEAN, J. L. "A" # 24	DEVONIAN SHALE
4707900963	Cabot	MCLEAN, J. L. "A" # 25	DEVONIAN SHALE
4707900964	Cabot	MCLEAN, J. L. "A" # 27	DEVONIAN SHALE
4707900965	Cabot	MCLEAN, J. L. "A" # 31	DEVONIAN SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4707900966	Cabot	MCLEAN, J. L. "A" # 41	DEVONIAN SHALE
4707900967	Cabot	MCLEAN, J. L. "A" # 42	DEVONIAN SHALE
4707900973	Cabot	PUTNAM LAND CO. "B" # 13	DEVONIAN SHALE
4707900975	Cabot	MCLEAN, J. L. "A" # 33	DEVONIAN SHALE
4707900976	Cabot	MCLEAN, J. L. "A" # 35	DEVONIAN SHALE
4707900977	Cabot	MCLEAN, J. L. "A" # 47	DEVONIAN SHALE
4707900978	Cabot	MCLEAN, J. L. "A" # 50	DEVONIAN SHALE
4707900979	Cabot	MCLEAN, J. L. "A" # 20	DEVONIAN SHALE
4707900980	Cabot	MCLEAN, J. L. "A" # 26	DEVONIAN SHALE
4707900981	Cabot	PUTNAM LAND CO. "B" # 19	DEVONIAN SHALE
4707900982	Cabot	MCLEAN, J. L. "A" # 51	DEVONIAN SHALE
4707900983	Cabot	MCLEAN, J. L. "A" # 46	DEVONIAN SHALE
4707900983	Cabot	MCLEAN, J. L. "A" # 46	DEVONIAN SHALE
4707900985	Cabot	MCLEAN, J. L. "A" # 52	DEVONIAN SHALE
4707900989	Cabot	PUTNAM LAND CO. "B" # 20	DEVONIAN SHALE
4707900990	Cabot	PUTNAM LAND CO. "B" # 12	DEVONIAN SHALE
4707900991	Cabot	MCLEAN, J. L. "A" # 45 (HISTORICAL)	DEVONIAN SHALE
4707900991	Cabot	MCLEAN, J. L. "A" # 45 (DEEPENING)	MARCELLUS SHALE-HURON SHALE
4707900993	Cabot	PUTNAM LAND CO. "B" # 15	DEVONIAN SHALE
4707900994	Cabot	MCLEAN, J. L. "A" # 44	DEVONIAN SHALE
4707900995	Cabot	MCLEAN, J. L. "A" # 49	ORISKANY
4707900996	Cabot	MCLEAN, J. L. "A" # 16	DEVONIAN SHALE
4707900997	Cabot	PUTNAM LAND CO. "B" # 14	DEVONIAN SHALE
4707900998	Cabot	MCLEAN, J. L. "A" # 18	DEVONIAN SHALE
4707900999	Cabot	MCLEAN, J. L. "A" # 28	DEVONIAN SHALE
4707901000	Cabot	MCLEAN, J. L. "A" # 32	DEVONIAN SHALE
4707901001	Cabot	MCLEAN, J. L. "A" # 58	DEVONIAN SHALE
4707901008	Cabot	MCLEAN, J. L. "A" # 29	DEVONIAN SHALE
4707901018	Cabot	FRYE, JAMES # 1	DEVONIAN SHALE
4707901020	Cabot	PUTNAM LAND CO. "B" # 24	DEVONIAN SHALE
4707901021	Cabot	PUTNAM LAND CO. "B" # 25	DEVONIAN SHALE
4707901022	Cabot	MCLEAN, J. L. "A" # 91	DEVONIAN SHALE
4707901034	Cabot	CASTO L. S. # 1	DEVONIAN SHALE
4707901035	Cabot	PUTNAM LAND CO. "B" # 22	DEVONIAN SHALE
4707901036	Cabot	HARDY HEIRS "B" # 8	DEVONIAN SHALE
4707901037	Cabot	HARDY HEIRS "B" # 5	DEVONIAN SHALE
4707901039	Cabot	MCLEAN, J. L. "A" # 97	DEVONIAN SHALE
4707901040	Cabot	MCLEAN, J. L. "A" # 94	DEVONIAN SHALE
4707901043	Cabot	AMHERST INDUSTRIES # 1	DEVONIAN SHALE
4707901044	Cabot	MCLEAN, J. L. "A" #110	DEVONIAN SHALE
4707901045	Cabot	CABOT # 4	DEVONIAN SHALE
4707901050	Cabot	PUTNAM LAND CO. "B" # 18	DEVONIAN SHALE
4707901051	Cabot	HAVERTY, FREDA # 2	DEVONIAN SHALE
4707901052	Cabot	HAVERTY, FREDA # 1	DEVONIAN SHALE
4707901053	Cabot	PUTNAM LAND CO. "B" # 34	DEVONIAN SHALE
4707901057	Cabot	MCLEAN, J. L. "A" # 92	DEVONIAN SHALE
4707901058	Cabot	MCLEAN, J. L. "A" #103	DEVONIAN SHALE
4707901061	Cabot	MCLEAN, J. L. "A" #104	DEVONIAN SHALE
4707901062	Cabot	MCLEAN, J. L. "A" #107	DEVONIAN SHALE
4707901067	Cabot	CABOT # 1	DEVONIAN SHALE
4707901068	Cabot	AMHERST INDUSTRIES # 2	BEREA-DEVONIAN SHALE
4707901071	Cabot	MCLEAN, J. L. "A" #109	DEVONIAN SHALE
4707901092	Cabot	RHODES, R. H. # 1	DEVONIAN SHALE
4707901113	Cabot	BLACK BETSEY #13	DEVONIAN SHALE
4707901118	Cabot	ALBERTSON, C. E. # 4	DEVONIAN SHALE
4707901120	Cabot	ALBERTSON, C. E. # 3R	DEVONIAN SHALE
4707901125	Cabot	BLACK BETSEY #14	DEVONIAN SHALE
4707901126	Cabot	MCLEAN, J. L. "A" #122	DEVONIAN SHALE
4707901131	Cabot	AMHERST INDUSTRIES # 3	DEVONIAN SHALE
4707901132	Cabot	BLACK BETSEY #15	DEVONIAN SHALE
4707901150	Cabot	HARDY, FRANK # 1 (HORIZONTAL)	HURON SHALE
4707901153	Cabot	ALBERTSON, C. E. # 6 T (LS)	ORISKANY
4707901153	Cabot	ALBERTSON, C. E. # 6	DEVONIAN SHALE
4707901155	Cabot	RAYMOND CITY "A" # 3	DEVONIAN SHALE

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4707901161	Cabot	BROWNS CREEK - KERMIT WOOD 7031	BIG LIME
4707901162	Cabot	BROWNS CREEK - CLARK, G. C. 7032	BIG LIME
4707901174	Cabot	AMHERST INDUSTRIES # 6	NEWBURG
4707901176	Cabot	BROWNS CREEK - WILLIAM SAMPLES 7033	BIG LIME
4707901178	Cabot	BLACK BETSEY #17	DEVONIAN SHALE
4707901183	Cabot	MCLEAN, J. L. # 49 (ABDN)	NEWBURG
4707901183	Cabot	MCLEAN, J. L. # 49 (WO)	HURON
4707901200	Cabot	PUTNAM LAND CO. #49	DEVONIAN SHALE
4707901201	Cabot	BLACK BETSEY #19	DEVONIAN SHALE
4707901202	Cabot	BLACK BETSEY #18	BIG LIME
4707901209	Cabot	ALBERTSON, C. E. # 5	DEVONIAN SHALE
4707901211	Cabot	MCLEAN, J. L. "A" # 8R	DEVONIAN SHALE
4707901212	Cabot	CABOT # 3	DEVONIAN SHALE
4707901215	Cabot	RAYMOND CITY "A" # 5	BIG LIME
4707901224	Cabot	BLACK BETSEY #23	BIG LIME
4707901233	Cabot	BLACK BETSEY #24	HURON SHALE
4707901234	Cabot	BLACK BETSEY #25	HURON SHALE
4707901237	Cabot	BLACK BETSEY #26	HURON SHALE
4707901262	Cabot	BLACK BETSEY #29	DEVONIAN SHALE
4707901263	Cabot	HARDY HEIRS "B" # 9	DEVONIAN SHALE
4707901266	Cabot	AMHERST INDUSTRIES # 8	DEVONIAN SHALE
4707901268	Cabot	AMHERST INDUSTRIES #12 S	DEVONIAN SHALE
4707901269	Cabot	CABOT # 5	DEVONIAN SHALE
4707901270	Cabot	CABOT # 6	DEVONIAN SHALE
4707901271	Cabot	BLACK BETSEY #31	DEVONIAN SHALE
4707901272	Cabot	AMHERST INDUSTRIES #11	DEVONIAN SHALE
4707901274	Cabot	HARDY HEIRS "B" #14	DEVONIAN SHALE
4707901275	Cabot	MCLEAN, J. L. "A" #129	DEVONIAN SHALE
4707901276	Cabot	MCLEAN, J. L. "A" #133	DEVONIAN SHALE
4707901277	Cabot	CABOT # 7	DEVONIAN SHALE
4707901286	Cabot	CABOT # 8	MARCELLUS-RHINESTREET-HURON-BEREA
4707901287	Cabot	CABOT # 9	HURON SHALE
4707901288	Cabot	RAYMOND CITY #10	MARCELLUS-RHINESTREET-HURON SHALE
4707901290	Cabot	BLACK BETSEY #33	MARCELLUS-RHINESTREET-HURON
4707901291	Cabot	BLACK BETSEY #37	MARCELLUS-RHINESTREET-HURON-BEREA
4707901292	Cabot	PUTNAM LAND CO. "B" # 54	MARCELLUS-RHINESTREET-HURON
4707901294	Cabot	BLACK BETSEY #32	MARCELLUS-RHINESTREET-HURON-DEVONIAN SHALE-BEREA
4707901295	Cabot	PUTNAM LAND CO. "B" # 56	MARCELLUS-RHINESTREET-HURON
4707901296	Cabot	HARDY HEIRS "B" #11	MARCELLUS-RHINESTREET-HURON-DEVONIAN SHALE
4707901297	Cabot	HARDY HEIRS "B" #17	MARCELLUS-RHINESTREET-HURON
4707901298	Cabot	HARDY HEIRS "B" #18	MARCELLUS-RHINESTREET-HURON
4707901299	Cabot	RAYMOND CITY #12	MARCELLUS-RHINESTREET-HURON-DEVONIAN SHALE
4707901299	Cabot	RAYMOND CITY #12 (BP)	BEREA
4707901300	Cabot	MCLEAN, J. L. "A" #137 INA	ORISKANY
4707901300	Cabot	MCLEAN, J. L. "A" #137	RHINESTREET-HURON
4707901302	Cabot	MCLEAN, J. L. "A" #135	ORISKANY
4707901302	Cabot	MCLEAN, J. L. "A" #135 (BP)	MARCELLUS-RHINESTREET-HURON
4707901303	Cabot	BLACK BETSEY #36	MARCELLUS-RHINESTREET-HURON-BEREA
4707901307	Cabot	AMHERST INDUSTRIES #18 (HORIZONTAL)	HURON SHALE
4707901308	Cabot	AMHERST INDUSTRIES #19	MARCELLUS-RHINESTREET-HURON-BEREA
4707901309	Cabot	ALBERTSON, C. E. # 7	MARCELLUS-RHINESTREET-HURON-BEREA
4707901310	Cabot	CABOT #10	MARCELLUS-RHINESTREET-HURON
4707901311	Cabot	AMHERST INDUSTRIES #15 (HORIZONTAL)	HURON SHALE
4707901312	Cabot	RAYMOND CITY #13	MARCELLUS-RHINESTREET-HURON-BEREA
4707901314	Cabot	DAVISON FUEL & DOCK CO. A2R	ORISKANY
4707901314	Cabot	DAVISON FUEL & DOCK CO. A2R	MARCELLUS-RHINESTREET-HURON
4707901315	Cabot	HARDY HEIRS "B" #20	MARCELLUS-RHINESTREET-HURON
4707901317	Cabot	CABOT #12 (HORIZONTAL)	HURON SHALE
4707901318	Cabot	CABOT #13	MARCELLUS-RHINESTREET-HURON
4707901319	Cabot	CABOT #14	MARCELLUS-RHINESTREET-HURON
4707901320	Cabot	CABOT #15 (HORIZONTAL)	HURON SHALE
4707901321	Cabot	CABOT #32	MARCELLUS-RHINESTREET-HURON
4707901322	Cabot	CABOT #33	HURON SHALE
4707901323	Cabot	CABOT #26	MARCELLUS-RHINESTREET-HURON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4707901324	Cabot	CABOT #17	RHINESTREET-HURON-BEREA
4707901325	Cabot	CABOT #27	MARCELLUS-RHINESTREET-HURON
4707901326	Cabot	AMHERST INDUSTRIES #23	RHINESTREET-HURON
4707901326	Cabot	AMHERST INDUSTRIES #23 (BP)	BEREA
4707901327	Cabot	AMHERST INDUSTRIES #24 (HORIZONTAL)	HURON SHALE
4707901328	Cabot	CABOT #24	MARCELLUS-RHINESTREET-HURON
4707901329	Cabot	CABOT #28	MARCELLUS-RHINESTREET-HURON
4707901330	Cabot	CABOT #35	MARCELLUS-RHINESTREET-HURON
4707901331	Cabot	CABOT #36	MARCELLUS-RHINESTREET-HURON
4707901332	Cabot	AMHERST INDUSTRIES #21	RHINESTREET-HURON-BEREA
4707901333	Cabot	CABOT #30	RHINESTREET-HURON
4707901334	Cabot	CABOT #31 (HORIZONTAL)	HURON SHALE
4707901335	Cabot	BLACK BETSEY #34	MARCELLUS-RHINESTREET-HURON-BEREA
4707901336	Cabot	BLACK BETSEY #35	MARCELLUS-RHINESTREET-HURON-BEREA
4707901337	Cabot	CABOT #11	MARCELLUS-RHINESTREET-HURON-BEREA
4707901338	Cabot	CHESTNUT #1	MARCELLUS-RHINESTREET-HURON
4707901339	Cabot	MCLEAN, J. L. "A" #153	MARCELLUS-RHINESTREET-HURON
4707901340	Cabot	AMHERST INDUSTRIES #17	RHINESTREET-HURON-BEREA
4707901342	Cabot	MCLEAN, J. L. "A" #152	HURON SHALE
4707901343	Cabot	MCLEAN, J. L. "A" #141	RHINESTREET-HURON
4707901344	Cabot	CABOT #18	RHINESTREET-HURON
4707901346	Cabot	MCLEAN, J. L. "A" #132	MARCELLUS-HURON-RHINESTREET
4707901347	Cabot	MCLEAN, J. L. "A" #154	MARCELLUS-RHINESTREET-HURON-DEVONIAN SHALE
4707901348	Cabot	BUSH, J. #1	MARCELLUS-RHINESTREET-HURON
4707901349	Cabot	CABOT #20	MARCELLUS-RHINESTREET-HURON
4707901351	Cabot	CABOT #38	RHINESTREET-HURON-BEREA
4707901352	Cabot	AMHERST INDUSTRIES #29	RHINESTREET-HURON
4707901353	Cabot	CABOT #44	MARCELLUS-RHINESTREET-HURON
4707901353	Cabot	CABOT #44 (BP)	BEREA
4707901354	Cabot	DAVISON FUEL & DOCK CO. A3	RHINESTREET-HURON-berea
4707901362	Cabot	CABOT #43	RHINESTREET-HURON-BEREA
4707901363	Cabot	DAVISON FUEL & DOCK CO. A4	RHINESTREET-HURON
4707901364	Cabot	DAVISON FUEL & DOCK CO. A5	RHINESTREET-HURON-BEREA
4707901365	Cabot	CABOT #39	RHINESTREET-HURON
4707901366	Cabot	AMHERST INDUSTRIES #20	RHINESTREET-HURON-BEREA
4707901367	Cabot	CABOT #29	RHINESTREET-HURON
4707901368	Cabot	CABOT #25	RHINESTREET-HURON
4707901369	Cabot	CABOT #16	RHINESTREET-HURON-BEREA
4707901370	Cabot	AMHERST INDUSTRIES #22	RHINESTREET-HURON-BEREA
4707901371	Cabot	CABOT #40	RHINESTREET-HURON
4707901372	Cabot	AMHERST INDUSTRIES #27	RHINESTREET-HURON
4707901373	Cabot	AMHERST INDUSTRIES #28	RHINESTREET-HURON-BEREA
4707901374	Cabot	CABOT #19 S	RHINESTREET-HURON
4707901375	Cabot	CABOT #34	BIG LIME
4707901376	Cabot	AMHERST INDUSTRIES #25	RHINESTREET-HURON
4707901377	Cabot	CABOT #37	RHINESTREET-HURON-BEREA
4707901378	Cabot	CABOT #42	RHINESTREET-HURON
4707901379	Cabot	AMHERST INDUSTRIES #26	RHINESTREET-HURON
4707901380	Cabot	POCA COAL CO. #23	RHINESTREET-HURON
4707901381	Cabot	POCA COAL CO. #22	HURON
4707901382	Cabot	POCA COAL CO. #21	RHINESTREET-HURON-BEREA
4707901382	Cabot	POCA COAL CO. #21 (BP)	BEREA
4707901383	Cabot	POCA COAL CO. #20	RHINESTREET-HURON-BEREA
4707901384	Cabot	HARDY - SOUTH PENN # 4	RHINESTREET-HURON
4707901385	Cabot	HARDY - SOUTH PENN # 3	RHINESTREET-HURON-BEREA
4707901386	Cabot	HARDY - SOUTH PENN # 2	RHINESTREET-HURON-BEREA
4707901387	Cabot	CABOT #41	RHINESTREET-HURON
4707901387	Cabot	CABOT #41 (BP)	BEREA
4707901388	Cabot	CABOT #22	HURON
4707901389	Cabot	CABOT #23	RHINESTREET-HURON
4707901390	Cabot	HARDY - SOUTH PENN # 1	RHINESTREET-HURON-BEREA
4707901391	Cabot	GLENVILLE-MEADOWS # 1	DEVONIAN SHALE
4707901392	Cabot	POCA COAL CO. #19	RHINESTREET-HURON-BEREA
4707901393	Cabot	ALBERTSON, C. E. # 8	RHINESTREET-HURON-BEREA

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4707901394	Cabot	MCLEAN, J. L. "A" #177 R	RHINESTREET-HURON
4707901395	Cabot	CABOT #21	RHINESTREET-HURON
4707901396	Cabot	MCLEAN, J. L. "A" #178	RHINESTREET-HURON
4707901397	Cabot	MCLEAN, J. L. "A" #162	RHINESTREET-HURON-BEREA
4707901398	Cabot	MCLEAN, J. L. "A" #165	RHINESTREET-HURON
4707901399	Cabot	MCLEAN, J. L. "A" #142	RHINESTREET-HURON
4707901400	Cabot	MCLEAN, J. L. "A" #149	RHINESTREET-HURON
4707901401	Cabot	MCLEAN, J. L. "A" #150	RHINESTREET-HURON
4707901402	Cabot	MCLEAN, J. L. "A" #151	RHINESTREET-HURON
4707901403	Cabot	MCLEAN, J. L. "A" #166	RHINESTREET-HURON
4707901404	Cabot	HARDY - SOUTH PENN # 5	RHINESTREET-HURON
4707901405	Cabot	MCLEAN, J. L. "A" #169	MARCELLUS-RHINESTREET-HURON-BEREA
4707901406	Cabot	MCLEAN, J. L. "A" #140	RHINESTREET-HURON
4707901407	Cabot	MCLEAN, J. L. "A" #172	RHINESTREET-HURON
4707901408	Cabot	MCLEAN, J. L. "A" #180	RHINESTREET-HURON
4707901409	Cabot	MCLEAN, J. L. "A" #171	RHINESTREET-HURON
4707901411	Cabot	PUTNAM LAND CO. "B" # 67	RHINESTREET-HURON
4707901412	Cabot	CABOT #45	MARCELLUS-RHINESTREET-HURON
4707901413	Cabot	DAVISON FUEL & DOCK CO. A7	RHINESTREET-HURON
4707901414	Cabot	MCLEAN, J. L. "A" #175	RHINESTREET-HURON
4707901415	Cabot	MCLEAN, J. L. "A" #176	RHINESTREET-HURON
4707901417	Cabot	MCLEAN, J. L. "A" #173	RHINESTREET-HURON
4707901418	Cabot	MCLEAN, J. L. "A" #174	MARCELLUS-RHINESTREET-HURON
4707901421	Cabot	MCLEAN, J. L. "A" #161	RHINESTREET-HURON
4707901423	Cabot	MCLEAN, J. L. "A" #163	RHINESTREET-HURON
4707901424	Cabot	MCLEAN, J. L. "A" #160	RHINESTREET-HURON-BEREA
4707901426	Cabot	MCLEAN, J. L. "A" #164	RHINESTREET-HURON
4707901429	Cabot	PUTNAM LAND CO "B" # 68	MARCELLUS-RHINESTREET-HURON
4707901437	Cabot	MCLEAN, J. L. "A" #234	MARCELLUS-RHINESTREET-HURON
4707901442	Cabot	PUTNAM LAND CO. "B" # 66SS	RHINESTREET-HURON-BEREA
4707901444	Cabot	MCLEAN, J. L. "A" #184	MARCELLUS-RHINESTREET-HURON-BEREA
4707901449	Cabot	MCLEAN, J. L. "A" #230	MARCELLUS-RHINESTREET-HURON-BEREA
4707901450	Cabot	KAPP 1	MARCELLUS-RHINESTREET-HURON
4707901454	Cabot	MCLEAN, J. L. "A" #168	MARCELLUS-RHINESTREET-HURON
4707901455	Cabot	MCLEAN, J. L. "A" #231	MARCELLUS-RHINESTREET-HURON-BEREA
4707901456	Cabot	CABOT #47	RHINESTREET-HURON-BEREA
4707901457	Cabot	CABOT #48	MARCELLUS-RHINESTREET-HURON-BEREA
4707901459	Cabot	AMHERST INDUSTRIES #33	MARCELLUS-RHINESTREET-HURON
4707901462	Cabot	BLACK BETSEY #39	MARCELLUS-RHINESTREET-HURON-BEREA
4707901463	Cabot	BLACK BETSEY #38	MARCELLUS-RHINESTREET-HURON-BEREA
4707901466	Cabot	MCLEAN, J. L. "A" #235	MARCELLUS-RHINESTREET-HURON-BEREA
4707901467	Cabot	MCLEAN, J. L. "A" #236	MARCELLUS-RHINESTREET-HURON-BEREA
4707901469	Cabot	MCLEAN, J. L. "A" #238	MARCELLUS-RHINESTREET-HURON-BEREA
4707901470	Cabot	MCLEAN, J. L. "A" #240	MARCELLUS-RHINESTREET-HURON-BEREA
4707901472	Cabot	HOLMES HARRISON #1	MARCELLUS-RHINESTREET-HURON-BEREA
4707901477	Cabot	MCLEAN, J. L. "A" #237R	MARCELLUS-RHINESTREET-HURON-BEREA
4708100009	Cabot	BEAVER COAL CO. # 7 (P&A)	BIG LIME-MAXTON
4708100011	Cabot	BEAVER COAL CO. # 8 (P&A) (SOLD)	BIG LIME
4708100015	Cabot	ROCKHOUSE FORK # 2	BIG LIME
4708100019	Cabot	ROCKHOUSE FORK # 4	BIG LIME
4708100020	Cabot	ROCKHOUSE FORK # 3	BIG LIME
4708100025	Cabot	BEAVER COAL CO. #12	BIG LIME
4708100026	Cabot	BEAVER COAL CO. #13	BIG LIME
4708100029	Cabot	ROCKHOUSE FORK # 7	BIG LIME
4708100032	Cabot	RIFFEE, O. P. # 1	BIG LIME
4708100034	Cabot	PINEY COKING COAL CO. # 1	MAXTON-WEIR
4708100041	Cabot	BEAVER COAL CO. #19	RAVENCLIFF
4708100056	Cabot	PINEY COKING COAL CO. # 3	WEIR
4708100063	Cabot	PINEY COKING COAL CO. # 5	WEIR
4708100066	Cabot	PINEY COKING COAL CO. # 6	MAXTON
4708100067	Cabot	POCAHONTAS LAND # 20	WEIR
4708100078	Cabot	PINEY COKING COAL CO. # 7 (P&A)	WEIR
4708100086	Cabot	SMITH, GEORGE # 1	BIG LIME
4708100111	Cabot	POCAHONTAS LAND # 21	WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4708100209	Cabot	BEAVER COAL CO. #25	MAXTON
4708100212	Cabot	BEAVER COAL CO. #28	MAXTON
4708100220	Cabot	BEAVER COAL CO. #33	MAXTON
4708100240	Cabot	BEAVER COAL CO. #38	BIG LIME
4708100269	Cabot	BEAVER COAL CO. #40	BIG LIME
4708100292	Cabot	PINEY COKING COAL CO. "A" # 1 (TOTALS)	MAXTON-PRINCETON-WEIR
4708100292	Cabot	PINEY COKING COAL CO. "A" # 1 C	MAXTON-PRINCETON
4708100292	Cabot	PINEY COKING COAL CO. "A" # 1 T	WEIR
4708100293	Cabot	PINEY COKING COAL CO. "A" # 2	WEIR
4708100309	Cabot	POCAHONTAS LAND "E" # 1	MAXTON-RAVENCLIFF
4708100310	Cabot	POCAHONTAS LAND "E" # 2	RAVENCLIFF
4708100311	Cabot	POCAHONTAS LAND "E" # 3	RAVENCLIFF
4708100312	Cabot	PINEY COKING COAL CO. "A" # 8	WEIR
4708100313	Cabot	PINEY COKING COAL CO. "A" # 9	POCONO
4708100314	Cabot	POCAHONTAS LAND "A" # 3	BIG LIME
4708100315	Cabot	PINEY COKING COAL CO. "A" # 5	RAVENCLIFF
4708100316	Cabot	PINEY COKING COAL CO. "A" # 6 (P&A)	RAVENCLIFF
4708100317	Cabot	POCAHONTAS LAND "A" # 4	BIG LIME
4708100323	Cabot	MILTON-BEAVER "B" # 1	
4708100323	Cabot	BEAVER COAL CO "B" # 1	BIG LIME-RAVENCLIFF
4708100324	Cabot	PINEY COKING COAL CO. "A" #10	RAVENCLIFF
4708100325	Cabot	PINEY COKING COAL CO. "A" #11	RAVENCLIFF
4708100326	Cabot	POCAHONTAS LAND "F" # 3	BIG LIME-WEIR
4708100327	Cabot	POCAHONTAS LAND "F" # 5	RAVENCLIFF
4708100328	Cabot	POCAHONTAS LAND "F" # 2	RAVENCLIFF
4708100329	Cabot	POCAHONTAS LAND "F" # 1	BIG LIME-RAVENCLIFF
4708100330	Cabot	POCAHONTAS LAND "F" # 4	MAXTON-RAVENCLIFF
4708100331	Cabot	PINEY COKING COAL CO. "A" #12	RAVENCLIFF
4708100337	Cabot	PINEY COKING COAL CO. "A" #17	RAVENCLIFF
4708100338	Cabot	PINEY COKING COAL CO. "A" #18	RAVENCLIFF
4708100339	Cabot	PINEY COKING COAL CO. "A" #19	RAVENCLIFF
4708100343	Cabot	EASTERN ASSOCIATED COAL # 1 (P&A)	RAVENCLIFF
4708100346	Cabot	POCAHONTAS LAND "F" # 8	MAXTON-RAVENCLIFF
4708100347	Cabot	POCAHONTAS LAND "F" # 9	MAXTON-RAVENCLIFF
4708100348	Cabot	PINEY COKING COAL CO. "A" #20	RAVENCLIFF
4708100349	Cabot	PINEY COKING COAL CO. "A" #21	RAVENCLIFF
4708100350	Cabot	PINEY COKING COAL CO. "A" #23	RAVENCLIFF
4708100352	Cabot	PINEY COKING COAL CO. "A" #27	RAVENCLIFF
4708100357	Cabot	POCAHONTAS LAND "F" # 6	RAVENCLIFF-WEIR
4708100361	Cabot	POCAHONTAS LAND "A" # 5	RAVENCLIFF-WEIR
4708100362	Cabot	POCAHONTAS LAND "F" # 7	BIG LIME-MAXTON-RAVENCLIFF
4708100364	Cabot	PINEY COKING COAL CO. "A" #28	RAVENCLIFF
4708100365	Cabot	SNUFFER HEIRS # 1	BIG LIME
4708100366	Cabot	SNUFFER HEIRS # 2	RAVENCLIFF
4708100377	Cabot	PINEY COKING COAL CO. "A" #31	RAVENCLIFF
4708100378	Cabot	PINEY COKING COAL CO. "A" #33	RAVENCLIFF
4708100384	Cabot	PINEY COKING COAL CO. "A" #41	RAVENCLIFF-WEIR
4708100386	Cabot	PINEY COKING COAL CO. "A" #47	RAVENCLIFF
4708100392	Cabot	PINEY COKING COAL CO. "A" #35 (P&A)	RAVENCLIFF
4708100393	Cabot	POCAHONTAS LAND "A" # 7	MAXTON-RAVENCLIFF
4708100394	Cabot	PINEY COKING COAL CO. "A" #49	RAVENCLIFF
4708100397	Cabot	PINEY COKING COAL CO. "A" #63	RAVENCLIFF
4708100399	Cabot	PINEY COKING COAL CO. "A" #50 (P&A)	RAVENCLIFF
4708100400	Cabot	PINEY COKING COAL CO. "A" #51	RAVENCLIFF
4708100422	Cabot	POCAHONTAS LAND "A" # 8	MAXTON-RAVENCLIFF
4708100424	Cabot	PINEY COKING COAL CO. "A" #42	MAXTON-WEIR
4708100429	Cabot	POCAHONTAS LAND "A" #10	BIG LIME-WEIR
4708100456	Cabot	POCAHONTAS LAND "A" #20	MAXTON-RAVENCLIFF
4708100457	Cabot	POCAHONTAS LAND "A" #21	BIG LIME
4708100482	Cabot	BEAVER COAL CO. "A" #18 (P&A)	MAXTON-RAVENCLIFF
4708100505	Cabot	POCAHONTAS LAND "N" # 1	RAVENCLIFF
4708100556	Cabot	WORD, J. W. # 1	BIG LIME
4708100582	Cabot	MCCREERY COAL & LAND # 1	BIG LIME-WEIR
4708100635	Cabot	MCGRAW, PAUL # 1	RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4708100638	Cabot	POCAHONTAS LAND "I" #44 (BP)	RAVENCLIFF
4708100638	Cabot	POCAHONTAS LAND "I" #44 (TOTALS)	BIG LIME-WEIR
4708100638	Cabot	POCAHONTAS LAND "I" #44 C	BIG LIME-WEIR
4708100638	Cabot	POCAHONTAS LAND "I" #44 T	WEIR
4708100639	Cabot	BEAVER COAL CO. "C" # 6	RAVENCLIFF
4708100647	Cabot	POCAHONTAS LAND "P" # 5 T	WEIR-POCONO
4708100647	Cabot	POCAHONTAS LAND "P" # 5 C	BIG LIME-MAXTON-RAVENCLIFF
4708100648	Cabot	POCAHONTAS LAND "P" # 3	RAVENCLIFF
4708100657	Cabot	BEAVER COAL CO. "C" # 9 T	MIDDLE MAXTON
4708100657	Cabot	BEAVER COAL CO. "C" # 9 C	RAVENCLIFF
4708100664	Cabot	POCAHONTAS LAND "I" #48 (TOTALS)	BIG LIME-MAXTON-WEIR
4708100664	Cabot	POCAHONTAS LAND "I" #48 C	BIG LIME
4708100664	Cabot	POCAHONTAS LAND "I" #48 T	WEIR
4708100665	Cabot	POCAHONTAS LAND "I" #49 C	MAXTON
4708100665	Cabot	POCAHONTAS LAND "I" #49 T	WEIR
4708100701	Cabot	COOKE, RANDOLPH # 1	MAXTON-RAVENCLIFF
4708100730	Cabot	CSX MINERALS # 6	LOWER MAXTON-MIDDLE MAXTON
4708100734	Cabot	CSX MINERALS # 3	MIDDLE MAXTON-LOWER MAXTON
4708100736	Cabot	CSX MINERALS # 4	BIG LIME-MIDDLE MAXTON
4708100737	Cabot	COOKE, RANDOLPH # 2 (P&A)	BIG LIME-MAXTON
4708100738	Cabot	DANIELS, C. R. # 1	BIG LIME-MAXTON-RAVENCLIFF
4708100744	Cabot	DANIELS, C. R. # 3	MAXTON-RAVENCLIFF
4708100745	Cabot	DANIELS, C. R. # 2	BIG LIME-MAXTON-RAVENCLIFF
4708100747	Cabot	DANIELS, C. R. # 4	BIG LIME-MAXTON-RAVENCLIFF
4708100748	Cabot	DANIELS, C. R. # 5	BIG LIME-MAXTON
4708100798	Cabot	POCAHONTAS LAND "A" #14	BIG LIME-MAXTON-POCONO-RAVENCL-WEIR
4708100806	Cabot	WEBB, TEDDIE # 1	BIG LIME-RAVENCLIFF-WEIR
4708100814	Cabot	WEBB, TEDDIE # 2	WEIR
4708100815	Cabot	WEBB, TEDDIE # 3	BIG LIME-WEIR
4708100816	Cabot	POCAHONTAS COAL SALES # 1	BIG LIME-MAXTON
4708100838	Cabot	WEBB, TEDDIE # 4	BIG LIME-MAXTON-WEIR
4708100839	Cabot	WEBB, TEDDIE # 5	BIG LIME-WEIR
4708100843	Cabot	LILLY, CLARA # 1	BIG LIME-WEIR
4708100860	Cabot	MANKIN, NOEL # 1	MAXTON-RAVENCLIFF-WEIR
4708100866	Cabot	COTTLE, ALMA # 1	BIG LIME-WEIR
4708100899	Cabot	KING, RUTH # 1 (P&A)	BIG LIME-WEIR
4708100902	Cabot	KING, RUTH # 2	BIG LIME-RAVENCLIFF-WEIR
4708100902	Cabot	KING, RUTH # 2	BIG LIME-RAVENCLIFF-WEIR
4708100903	Cabot	SEVERT, DAVID # 1	BIG LIME-WEIR
4708100906	Cabot	MASSIE, AUGUSTA # 1	BIG LIME-MAXTON
4708100907	Cabot	WORD, J. W. # 2	BIG LIME-WEIR
4708100916	Cabot	PINEY COKING COAL CO. "A" #65	BIG LIME
4708100917	Cabot	POCAHONTAS LAND "A" #15	BIG LIME
4708100918	Cabot	MCCREERY COAL & LAND # 2 C	BIG LIME
4708100918	Cabot	MCCREERY COAL & LAND # 2 T	POCONO
4708100919	Cabot	BEAVER COAL CO. "C" #11	LOWER MAXTON-RAVENCLIFF
4708100921	Cabot	PINEY COKING COAL CO. "A" #64	RAVENCLIFF-WEIR
4708100939	Cabot	PINEY COKING COAL CO. "A" #61 C	MAXTON-RAVENCLIFF
4708100939	Cabot	PINEY COKING COAL CO. "A" #61 T	BIG LIME
4708100943	Cabot	BEAVER COAL CO. "C" # 2	LOWER MAXTON-RAVENCLIFF
4708100951	Cabot	MCCREERY COAL & LAND # 3	BIG LIME
4708100952	Cabot	WORD, J. W. # 3 C	RAVENCLIFF
4708100952	Cabot	WORD, J. W. # 3 T	MIDDLE MAXTON-WEIR
4708100965	Cabot	POCAHONTAS LAND "A" #16	BIG LIME-WEIR-RAVENCLIFF
4708100966	Cabot	NEW BEAVER "C" #20	BIG LIME-MIDDLE MAXTON-RAVENCLIFF
4708100967	Cabot	NEW BEAVER "C" #21	MIDDLE MAXTON-RAVENCLIFF
4708100973	Cabot	POCAHONTAS LAND "C" #11 NORTH (EMAX)	BIG LIME-WEIR
4708100976	Cabot	NEW BEAVER "C" #22	MIDDLE MAXTON-RAVENCLIFF
4708100977	Cabot	NEW BEAVER "C" #23	MIDDLE MAXTON-RAVENCLIFF
4708100978	Cabot	POCAHONTAS LAND "A" #19	WEIR
4708100978	Cabot	POCAHONTAS LAND "A" #19 (BP)	BIG LIME
4708100981	Cabot	NEW BEAVER "C" #25	MIDDLE MAXTON-RAVENCLIFF
4708100983	Cabot	POCAHONTAS LAND "C" #14 NORTH (EMAX)	BIG LIME-WEIR
4708100984	Cabot	NEW BEAVER "C" #24	MIDDLE MAXTON-RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4708101003	Cabot	NEW BEAVER "C" #26	MIDDLE MAXTON-RAVENCLIFF
4708101004	Cabot	NEW BEAVER "C" #27	UPPER MAXTON
4708101006	Cabot	NEW BEAVER "C" #28	MIDDLE MAXTON-UPPER MAXTON
4708101017	Cabot	PRICE, H. # 1	BIG LIME-MAXTON
4708101018	Cabot	PRICE, H. # 3	BIG LIME-MAXTON
4708101020	Cabot	PINEY COKING COAL CO. "A" #70	WEIR-LOWER WEIR
4708101028	Cabot	PRICE, H. # 2	BIG LIME-MAXTON
4708101029	Cabot	PRICE, H. # 4	BIG LIME-MAXTON
4708101034	Cabot	NEW BEAVER "C" #30	MIDDLE MAXTON-UPPER MAXTON
4708101035	Cabot	NEW BEAVER "C" #31	BIG LIME-MIDDLE MAXTON
4708101036	Cabot	NEW BEAVER "C" #33	MAXTON-RAVENCLIFF
4708101037	Cabot	NEW BEAVER "C" #36	MIDDLE MAXTON-UPPER MAXTON
4708101040	Cabot	DAVIS, DELORES UNIT # 1 (P&A)	BIG LIME
4708101041	Cabot	NEW BEAVER "C" #32	BIG LIME
4708101042	Cabot	NEW BEAVER "C" #37	MAXTON
4708101043	Cabot	LILLY, K. B. UNIT # 1 (P&A)	BIG LIME-MAXTON
4708101067	Cabot	POCAHONTAS LAND "A" #23	BIG LIME-RAVENCLIFF
4708101068	Cabot	BEAVER COAL CO. "C" #38	RAVENCLIFF-UPPER MAXTON
4708101069	Cabot	BEAVER COAL CO "C" #40	RAVENCLIFF-UPPER MAXTON
4708101070	Cabot	BEAVER COAL CO. "C" #41	BIG LIME-MAXTON-RAVENCLIFF
4708101081	Cabot	BEAVER COAL CO. "C" #39	UPPER MAXTON
4708101090	Cabot	POCAHONTAS LAND "A" #24	BIG LIME-RAVENCLIFF-WEIR
4708101101	Cabot	BEAVER COAL CO. "C" #43	MIDDLE MAXTON-RAVENCLIFF
4708101102	Cabot	BEAVER COAL CO "C" #42	BIG LIME-MAXTON-RAVENCLIFF
4708101103	Cabot	ROCKHOUSE FORK # 9	MIDDLE MAXTON-RAVENCLIFF
4708101105	Cabot	BEAVER COAL CO. "C" #45 (OSW)	MAXTON
4708101105	Cabot	BEAVER COAL CO. "C" #45 (RAV)	RAVENCLIFF
4708101106	Cabot	BEAVER COAL CO. "C" #46	UPPER MAXTON-RAVENCLIFF
4708101126	Cabot	BEAVER COAL CO. "C" #44	UPPER MAXTON-RAVENCLIFF
4708101138	Cabot	POCAHONTAS LAND "A" #27	BIG LIME-RAVENCLIFF
4708101141	Cabot	BEAVER COAL CO. "C" #35	MIDDLE MAXTON-UPPER MAXTON
4708101142	Cabot	POCAHONTAS LAND "M" # 3	BIG LIME-MIDDLE MAXTON-RAVENCLIFF
4708101152	Cabot	PINEY COKING COAL CO. "A" #71	RAVENCLIFF-WEIR
4708101181	Cabot	IMPERIAL LAND CO. # 1	BIG LIME-WEIR
4708101181	Cabot	IMPERIAL LAND CO. # 1 (BP)	RAVENCLIFF
4708101183	Cabot	BEAVER COAL CO. "C" #48	MAXTON-RAVENCLIFF
4708101225	Cabot	POCAHONTAS LAND "A" #31	BIG LIME
4708101228	Cabot	SHUMATE HEIRS #1	MAXTON-RAVENCLIFF
4708101234	Cabot	PINEY COKING COAL CO. "A" #75	RAVENCLIFF-LOWER MAXTON-WEIR
4708101238	Cabot	BEAVER COAL CO. "C" #60	MAXTON-RAVENCLIFF
4708101269	Cabot	POCAHONTAS LAND "A" #26	BIG LIME-RAVENCLIFF
4708101292	Cabot	PINEY COKING COAL CO. "A" #76	BIG LIME FAULTS
4708101319	Cabot	PINEY COKING COAL CO. "A" #78	GORDON FAULT
4708101319	Cabot	PINEY COKING COAL CO. "A" #78 (BP)	MIDDLE MAXTON
4708101320	Cabot	PINEY COKING COAL CO. "A" #79	BIG LIME FAULTS
4708101338	Cabot	GLADE CREEK OIL & GAS # 1 ORIGINAL COMPL	DEVONIAN SHALE FAULT-UPPER DEVONIAN FAULT
4708101338	Cabot	GLADE CREEK OIL & GAS # 1	POCONO
4708101364	Cabot	POCAHONTAS LAND "A" #36	RAVENCLIFF
4708101369	Cabot	BEAVER COAL CO. "C" #62	SUNBURY FLT-WEIR SH FLT-MBL FLT-UBL FLT
4708101395	Cabot	POCAHONTAS LAND "A" #37	L WEIR SHALES FLT-BIG LIME FLT-BIG LIME
4708101398	Cabot	GLADE CREEK OIL & GAS # 2	BIG LIME
4708101418	Cabot	WORD, J. W. # 5	WEIR-BIG LIME-LOWER MAXTON
4708101418	Cabot	WORD, J. W. # 5 (BP)	RAVENCLIFF
4708101425	Cabot	PINEY COKING COAL CO. "A" #80	U PPER BIG LIME
4708101497	Cabot	IMPERIAL LEASING #2	MARCELLUS-L HURON FLT-WEIR-RAVENCLIFF
4708301139	Cabot	KISAMORE, MASON # 1	ORISKANY
4708301141	Cabot	HEDRICK, RILEY # 1	ORISKANY
4708301142	Cabot	MARSTILLER, DAVID # 1	ORISKANY
4708301143	Cabot	MARSTILLER, DAVID # 2	ORISKANY
4708301153	Cabot	MARSTILLER, DAVID # 3	CHERT-ORISKANY
4709300077	Cabot	ENERGEN # 1 (DRY) (P&A)	ORISKANY
4709900013	Cabot	WILSON C. & L. CO. #22	BIG LIME-MAXTON
4709900015	Cabot	WILSON C. & L. CO. #15	BIG LIME-MAXTON
4709900018	Cabot	HOARD-BALDWIN # 6	INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4709900019	Cabot	WILSON C. & L. CO. # 3	DEVONIAN SHALE
4709900021	Cabot	WILSON C. & L. CO. #10	BIG LIME
4709900034	Cabot	HOARD-BALDWIN #16	INJUN
4709900036	Cabot	WILSON C. & L. CO. #21	DEVONIAN SHALE
4709900037	Cabot	WILSON C. & L. CO. # 9	DEVONIAN SHALE
4709900038	Cabot	WILSON C. & L. CO. #14 (DEEPENING)	DEVONIAN SHALE-BEREA-INJUN
4709900039	Cabot	HOARD-BALDWIN #15	INJUN
4709900041	Cabot	WILSON C. & L. CO. #17	DEVONIAN SHALE
4709900043	Cabot	WILSON C. & L. CO. # 8 C	BIG LIME-MAXTON
4709900043	Cabot	WILSON C. & L. CO. # 8 T	DEVONIAN SHALE
4709900049	Cabot	WILSON C. & L. CO. #20	DEVONIAN SHALE
4709900053	Cabot	WILSON C. & L. CO. #23 (DEEPENING)	DEVONIAN SHALE
4709900066	Cabot	WILSON C. & L. CO. #24	INJUN
4709900193	Cabot	WILSON C. & L. CO. #25	BIG LIME-DEVONIAN SHALE-INJUN
4709900210	Cabot	WILSON C. & L. CO. #26	DEVONIAN SHALE
4709900211	Cabot	HOARD-BALDWIN #22	INJUN
4709900222	Cabot	HOARD-BALDWIN #23	INJUN
4709900229	Cabot	BAKER, J. D. # 1	DEVONIAN SHALE
4709900231	Cabot	HOARD-BALDWIN #24	INJUN
4709900245	Cabot	GUYAN OIL CO. # 8	INJUN
4709900247	Cabot	WILSON C. & L. CO. #29 C	BIG LIME-INJUN
4709900247	Cabot	WILSON C. & L. CO. #29 T	DEVONIAN SHALE
4709900251	Cabot	MCGINNIS, B. C. # 1	DEVONIAN SHALE
4709900260	Cabot	WILSON C. & L. CO. #31	DEVONIAN SHALE
4709900266	Cabot	GILKERSON, ARMILDA # 1	DEVONIAN SHALE
4709900267	Cabot	HOARD-BALDWIN #26	INJUN
4709900274	Cabot	HOARD-BALDWIN #28	INJUN
4709900276	Cabot	HOARD-BALDWIN #29	INJUN
4709900279	Cabot	HOARD-BALDWIN #30	INJUN
4709900285	Cabot	COLLINS, LOUISA # 1	DEVONIAN SHALE
4709900289	Cabot	COLLINS, LOUISA # 2	DEVONIAN SHALE
4709900290	Cabot	HOARD-BALDWIN #31	DEVONIAN SHALE
4709900291	Cabot	COLLINS, LOUISA # 3	DEVONIAN SHALE
4709900304	Cabot	WILSON C. & L. CO. #32	DEVONIAN SHALE
4709900312	Cabot	WILSON C. & L. CO. #33 (DEEPENING)	DEVONIAN SHALE
4709900312	Cabot	WILSON C. & L. CO. #33 (BP) (DEEPENING)	BEREA
4709900328	Cabot	WILSON C. & L. CO. #34	DEVONIAN SHALE
4709900330	Cabot	WILSON C. & L. CO. #35	BIG LIME
4709900331	Cabot	FERGUSON-ELCESSOR # 1	DEVONIAN SHALE
4709900340	Cabot	WILSON C. & L. CO. #36	DEVONIAN SHALE
4709900341	Cabot	WILSON C. & L. CO. #37 C	DEVONIAN SHALE
4709900341	Cabot	WILSON C. & L. CO. #37 T	DEVONIAN SHALE
4709900342	Cabot	WILSON C. & L. CO. #38 C	BIG LIME-INJUN
4709900342	Cabot	WILSON C. & L. CO. #38 T	DEVONIAN SHALE
4709900347	Cabot	WILSON C. & L. CO. #39	DEVONIAN SHALE
4709900349	Cabot	FERGUSON-SELLARDS # 1	DEVONIAN SHALE
4709900350	Cabot	PRESTON, A. W. # 1	DEVONIAN SHALE
4709900382	Cabot	WILSON C. & L. CO. #40 C	BEREA-BIG LIME-INJUN
4709900382	Cabot	WILSON C. & L. CO. #40 T	DEVONIAN SHALE
4709900397	Cabot	WILSON C. & L. CO. #41 (TOTALS)	BIG LIME-INJUN
4709900409	Cabot	WILSON C. & L. CO. #42	DEVONIAN SHALE
4709900410	Cabot	THOMPSON, F. W. # 1	DEVONIAN SHALE
4709900419	Cabot	MAYNARD, R. & T. P. # 4	INJUN
4709900433	Cabot	MAYNARD, R. & T. P. # 3	DEVONIAN SHALE-INJUN
4709900434	Cabot	WILSON C. & L. CO. #43	DEVONIAN SHALE
4709900439	Cabot	FRALEY, CHARLES # 1	DEVONIAN SHALE
4709900441	Cabot	SMITH, POLLY # 1	DEVONIAN SHALE
4709900442	Cabot	SPRY, B. H. # 1	DEVONIAN SHALE
4709900466	Cabot	HOARD-BALDWIN #35	INJUN
4709900487	Cabot	WILSON C. & L. CO. #44	DEVONIAN SHALE
4709900490	Cabot	WILSON C. & L. CO. #45 (TOTALS)	BIG LIME-INJUN
4709900495	Cabot	HAUSER, J. N. # 1	DEVONIAN SHALE
4709900510	Cabot	COUNTS, C. E. # 1	DEVONIAN SHALE
4709900516	Cabot	WILSON C. & L. CO. #46	BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4709900519	Cabot	FRALEY, CHARLES # 2	DEVONIAN SHALE
4709900546	Cabot	HAUSER, J. N. # 2	DEVONIAN SHALE
4709900560	Cabot	WILSON C. & L. CO. #47	DEVONIAN SHALE
4709900561	Cabot	WILSON C. & L. CO. #48 C	BIG LIME-INJUN
4709900561	Cabot	WILSON C. & L. CO. #48 T	DEVONIAN SHALE
4709900571	Cabot	WILLIAMSON, ROBERT # 1	DEVONIAN SHALE
4709900580	Cabot	HAUSER, J. N. # 3	DEVONIAN SHALE
4709900584	Cabot	WILSON C. & L. CO. #49	BIG LIME
4709900588	Cabot	SMITH, POLLY # 2	DEVONIAN SHALE
4709900598	Cabot	WILSON C. & L. CO. #50 C	BIG LIME-INJUN
4709900598	Cabot	WILSON C. & L. CO. #50 T	DEVONIAN SHALE
4709900611	Cabot	MAYNARD, NOAH # 1	DEVONIAN SHALE
4709900633	Cabot	WILSON C. & L. CO. #51	INJUN
4709900634	Cabot	WILSON C. & L. CO. #52 C	BIG LIME-INJUN
4709900634	Cabot	WILSON C. & L. CO. #52 T	DEVONIAN SHALE
4709900641	Cabot	WILSON C. & L. CO. #53 (TOTALS)	BIG LIME-INJUN
4709900644	Cabot	JACKSON, GEORGE # 1	DEVONIAN SHALE
4709900679	Cabot	COLLINS, LOUISA # 4	DEVONIAN SHALE
4709900723	Cabot	BARTRAM, NILE # 1	BIG LIME-INJUN
4709900737	Cabot	BURGESS, MARION "A" # 1	DEVONIAN SHALE
4709900753	Cabot	WILSON C. & L. CO. #54	DEVONIAN SHALE
4709900761	Cabot	WILSON C. & L. CO. #55	DEVONIAN SHALE
4709900790	Cabot	WILSON C. & L. CO. #56	BEREA-BIG LIME-INJUN
4709900792	Cabot	WILSON C. & L. CO. #57	BIG LIME
4709900793	Cabot	WILSON C. & L. CO. #58	DEVONIAN SHALE
4709900813	Cabot	COLLINS, LOUISA # 5	INJUN
4709900819	Cabot	WILSON C. & L. CO. #59	BIG LIME
4709900820	Cabot	WILSON C. & L. CO. #60	BIG LIME
4709900824	Cabot	WILSON C. & L. CO. #63	DEVONIAN SHALE
4709900853	Cabot	WILSON C. & L. CO. #65	DEVONIAN SHALE
4709900856	Cabot	WILSON C. & L. CO. #67	INJUN
4709900858	Cabot	MATHEWSON, FRANK E. # 6	BIG LIME-INJUN-DEVONIAN SHALE
4709900860	Cabot	COLLINS, LOUISA # 7	DEVONIAN SHALE
4709900862	Cabot	WILSON C. & L. CO. #68	INJUN
4709900868	Cabot	PRITCHARD, ETTA # 1	BIG LIME-INJUN
4709900869	Cabot	MILLER, CLYDE # 1	DEVONIAN SHALE
4709900871	Cabot	WILSON C. & L. CO. #61	BIG LIME
4709900875	Cabot	MATHEWSON, FRANK E. # 7 (TOTALS)	BIG LIME-INJUN
4709900877	Cabot	WILSON C. & L. CO. #69	DEVONIAN SHALE
4709900882	Cabot	MATHEWSON, FRANK E. # 8	DEVONIAN SHALE
4709900885	Cabot	MATHEWSON, FRANK E. # 9	DEVONIAN SHALE
4709900886	Cabot	MATHEWSON, FRANK E. #10	DEVONIAN SHALE
4709900895	Cabot	GILKERSON, ARMILDA # 2	DEVONIAN SHALE
4709900907	Cabot	PRITCHARD, ETTA # 2	INJUN
4709900961	Cabot	WILSON C. & L. CO. #72 C	BIG LIME-INJUN
4709900961	Cabot	WILSON C. & L. CO. #72 T	DEVONIAN SHALE
4709900965	Cabot	NEWMAN, LENORA # 1	DEVONIAN SHALE
4709900972	Cabot	WILSON C. & L. CO. #75	DEVONIAN SHALE
4709900973	Cabot	HOARD-BALDWIN #37	BIG LIME-INJUN
4709900981	Cabot	WILSON C. & L. CO. #74 C	BIG LIME-INJUN
4709900981	Cabot	WILSON C. & L. CO. #74 T	DEVONIAN SHALE
4709900985	Cabot	HOARD-BALDWIN #40	INJUN
4709900990	Cabot	HOARD-BALDWIN #39	INJUN
4709900991	Cabot	HOARD-BALDWIN #41	BIG LIME-INJUN
4709901010	Cabot	HOARD-BALDWIN #47	INJUN
4709901011	Cabot	HOARD-BALDWIN #48	INJUN
4709901018	Cabot	AGEE DEPARTMENT STORE # 1	BIG SIX
4709901020	Cabot	HOARD-BALDWIN #49	INJUN
4709901029	Cabot	HOARD-BALDWIN #50	INJUN
4709901033	Cabot	HOARD-BALDWIN #51	BIG LIME
4709901039	Cabot	HOARD-BALDWIN #52	INJUN
4709901180	Cabot	CRABTREE, CARMI # 1	BEREA
4709901182	Cabot	WRIGHT, GYPSY # 1	BIG SIX
4709901218	Cabot	BURGESS, MARION "C" # 1	INJUN

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4709901219	Cabot	HOARD-BALDWIN #53	BIG LIME-INJUN
4709901229	Cabot	HOARD-BALDWIN #54	BIG LIME
4709901248	Cabot	HOARD-BALDWIN #55	INJUN
4709901255	Cabot	PRITCHARD, ETTA # 8	BIG SIX
4709901259	Cabot	MATHEWSON, FRANK E. #14 C	BIG LIME-INJUN
4709901259	Cabot	MATHEWSON, FRANK E. #14 T	DEVONIAN SHALE
4709901260	Cabot	BURGESS, MARION "C" # 2	DEVONIAN SHALE-INJUN-WEIR
4709901273	Cabot	HOARD-BALDWIN #56	DEVONIAN SHALE
4709901274	Cabot	WILSON C. & L. CO. #76	DEVONIAN SHALE
4709901275	Cabot	MATHEWSON, FRANK E. #15 C	BIG LIME-INJUN
4709901275	Cabot	MATHEWSON, FRANK E. #15 T	DEVONIAN SHALE
4709901276	Cabot	PRITCHARD, ETTA # 9	BIG SIX
4709901278	Cabot	HOARD-BALDWIN #57	DEVONIAN SHALE
4709901288	Cabot	HOARD-BALDWIN #59	DEVONIAN SHALE
4709901291	Cabot	WILSON C. & L. CO. #73 C	BIG LIME-INJUN
4709901291	Cabot	WILSON C. & L. CO. #73 T	DEVONIAN SHALE
4709901292	Cabot	BURGESS, MARION "C" # 3	INJUN
4709901321	Cabot	WILSON C. & L. CO #81	DEVONIAN SHALE
4709901337	Cabot	WILSON C. & L. CO. #82 C	BIG LIME-INJUN
4709901337	Cabot	WILSON C. & L. CO. #82 T	DEVONIAN SHALE
4709901341	Cabot	HOARD-BALDWIN #61	INJUN
4709901369	Cabot	BURGESS, MARION "C" # 6 (HISTORICAL)	INJUN
4709901369	Cabot	BURGESS, MARION "C" # 6	MARCELLUS-HURON-RHINESTREET-BEREA
4709901409	Cabot	VINSON, ROBERTA # 1	INJUN
4709901417	Cabot	HOARD-BALDWIN #62	INJUN
4709901464	Cabot	WILSON C. & L. CO. #78 C	BIG LIME-INJUN
4709901464	Cabot	WILSON C. & L. CO. #78 T	DEVONIAN SHALE
4709901466	Cabot	WILSON C. & L. CO #83 (TOTALS)	BIG LIME-INJUN
4709901471	Cabot	WILSON C. & L. CO. #84	DEVONIAN SHALE
4709901486	Cabot	WILSON C. & L. CO. #77	DEVONIAN SHALE
4709901486	Cabot	WILSON C. & L. CO. #77,78	BIG LIME-INJUN
4709901487	Cabot	WILSON C. & L. CO. #85	DEVONIAN SHALE
4709901488	Cabot	WILSON C. & L. CO. #86	DEVONIAN SHALE
4709901490	Cabot	WILSON C. & L. CO. #87	DEVONIAN SHALE
4709901491	Cabot	WILSON C. & L. CO. #88	DEVONIAN SHALE
4709901495	Cabot	WILSON C. & L. CO. #89	DEVONIAN SHALE
4709901496	Cabot	JOHNSON, GLEN # 1	DEVONIAN SHALE
4709901499	Cabot	WILSON C. & L. CO. #79 C	BIG LIME-INJUN
4709901499	Cabot	WILSON C. & L. CO. #79 T	DEVONIAN SHALE
4709901500	Cabot	WILSON C. & L. CO. #90	DEVONIAN SHALE
4709901507	Cabot	WILSON C. & L. CO. #94	BIG LIME-INJUN
4709901508	Cabot	WILSON C. & L. CO. #93	BIG LIME
4709901548	Cabot	WILSON C. & L. CO. #95	BIG LIME
4709901550	Cabot	WILSON C. & L. CO. #96	BIG LIME
4709901551	Cabot	WILSON C. & L. CO. #97	BIG LIME
4709901569	Cabot	MAYNARD, E. J. # 1A	BEREA-BIG LIME-DEVONIAN SHALE
4709901696	Cabot	WILSON C. & L. CO. "A" # 2	DEVONIAN SHALE
4709901697	Cabot	WILSON C. & L. CO. "A" # 3	DEVONIAN SHALE
4709901719	Cabot	WILSON C. & L. CO. "A" # 5	DEVONIAN SHALE
4709901720	Cabot	WILSON C. & L. CO. "A" # 6	DEVONIAN SHALE
4709901723	Cabot	WRIGHT, GYPSY "A" # 1	BEREA
4709901757	Cabot	HOARD-BALDWIN "A" # 1 C	BEREA
4709901757	Cabot	HOARD-BALDWIN "A" # 1 T	DEVONIAN SHALE
4709901821	Cabot	WILSON C. & L. CO. "A" #16	BIG LIME-DEVONIAN SHALE-INJUN
4709901822	Cabot	BARTRAM, NILE # 2	BIG LIME-INJUN
4709901858	Cabot	WRIGHT, GYPSY "A" # 3R	BIG SIX
4709901870	Cabot	WILSON C. & L. CO. "A" #18	BIG LIME-INJUN
4709901872	Cabot	WRIGHT, GYPSY "A" # 4	BIG SIX
4709901893	Cabot	PRITCHARD, ETTA "A" # 1	BIG SIX
4709901894	Cabot	CNR - FEE # 1	BIG SIX
4709901912	Cabot	CNR - FEE # 3R	BIG SIX
4709901913	Cabot	CNR - FEE # 2	BIG SIX
4709901915	Cabot	WILSON C. & L. CO. "A" #19	BIG LIME-LOWER MAXTON
4709901931	Cabot	PYLES, ERIKA # 1	BIG SIX

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4709901932	Cabot	WILSON C. & L. CO. "A" #12R T	DEVONIAN SHALE
4709901932	Cabot	WILSON C. & L. CO. "A" #12R C	BIG LIME
4709901933	Cabot	CNR - FEE # 4R	BIG SIX
4709901938	Cabot	WILSON C. & L. CO. "A" #20R	DEVONIAN SHALE-INJUN
4709901942	Cabot	CNR - FEE # 5	BIG SIX
4709901952	Cabot	PRICHARD, RUSSELL "L" # 2	BIG SIX
4709901953	Cabot	CNR - FEE # 6	BIG SIX
4709901965	Cabot	INGLEHART, EUNICE # 1	BIG SIX
4709901969	Cabot	HARRISON, FLOYD "L" #18	BIG SIX
4709901982	Cabot	MARSHALL, NELL # 1	BIG SIX
4709901991	Cabot	CNR - FEE # 8R	BIG SIX
4709902002	Cabot	ALDERSON HEIRS # 1	BIG SIX
4709902003	Cabot	THOMPSON, BRUCE # 1	BIG SIX
4709902006	Cabot	AGEE DEPARTMENT STORE "A" # 4	BIG SIX
4709902010	Cabot	CNR - FEE #11	BIG SIX
4709902035	Cabot	CNR - FEE #10	BIG SIX
4709902040	Cabot	CNR - FEE #14	BIG SIX
4709902041	Cabot	CNR - FEE #15	BIG SIX
4709902043	Cabot	CNR - FEE # 9R	BIG SIX
4709902047	Cabot	CNR - FEE #18	BIG SIX
4709902080	Cabot	WILSON C. & L. CO. "A" #25R	DEVONIAN SHALE-INJUN
4709902085	Cabot	WILSON C. & L. CO. "A" #23	DEVONIAN SHALE
4709902085	Cabot	WILSON C. & L. CO. "A" #23 (BP)	MAXTON
4709902086	Cabot	WILSON C. & L. CO. "A" #28	DEVONIAN SHALE-INJUN
4709902089	Cabot	WILSON C. & L. CO. "A" #21	DEVONIAN SHALE
4709902090	Cabot	WILSON C. & L. CO. "A" #22R	BEREA- DEVONIAN SHALE
4709902091	Cabot	WILSON C. & L. CO. "A" #35	DEVONIAN SHALE-BEREA-INJUN-BIG LIME
4709902092	Cabot	WILSON C. & L. CO. "A" #29	DEVONIAN SHALE-BE-INJUN-BIG LIME
4709902094	Cabot	WILSON C. & L. CO. "A" #47	DEVONIAN SHALE-BEREA
4709902094	Cabot	WILSON C. & L. CO. "A" #47 (BP)	INJUN-BIG LIME
4709902095	Cabot	WILSON C. & L. CO. "A" #37	DEVONIAN SHALE-BEREA
4709902096	Cabot	WILSON C. & L. CO. "A" #36	DEVONIAN SHALE-BE-INJUN-BIG LIME
4709902098	Cabot	WILSON C. & L. CO. "A" #44	MAXTON
4709902099	Cabot	WILSON C. & L. CO. "A" #46	DEVONIAN SHALE-BEREA
4709902102	Cabot	WILSON C. & L. CO. "A" #39	DEVONIAN SHALE-BEREA
4709902103	Cabot	WILSON C. & L. CO. "A" #43	DEVONIAN SHALE-BEREA
4709902105	Cabot	WILSON C. & L. CO. "A" #45	DEVONIAN SHALE-BEREA
4709902106	Cabot	WILSON C. & L. CO. "A" #33R	DEVONIAN SHALE-BEREA-BIG LIME
4709902112	Cabot	WILSON C. & L. CO. "A" #48	DEVONIAN SHALE-BEREA-BIG LIME
4709902115	Cabot	WILSON C. & L. CO. "A" #13R	DEV. SHALE-BEREA-INJUN-MAXTON
4709902116	Cabot	WILSON C. & L. CO. "A" #38	DEVONIAN SHALE-BEREA-BIG LIME
4709902119	Cabot	WILSON C. & L. CO. "A" #52	DEVONIAN SHALE-BEREA-BL-MAXTON
4709902120	Cabot	WILSON C. & L. CO. "A" #49	DEVONIAN SHALE
4709902121	Cabot	SAWYER #1	DEVONIAN SHALE-BEREA
4709902122	Cabot	WILSON C. & L. CO. "A" #34	DEVONIAN SHALE-BEREA-INJUN
4709902123	Cabot	WILSON C. & L. CO. "A" #40	DEVONIAN SHALE-BEREA-INJUN
4709902126	Cabot	WILSON C. & L. CO. "A" #50 R	DEVONIAN SHALE
4709902135	Cabot	WILSON COAL EDMONDSON "A" #24	INJUN
4709902136	Cabot	KOONCE-ZIMMERMAN # 8	INJUN-BEREA-DEVONIAN SHALE
4709902137	Cabot	KOONCE-ZIMMERMAN # 9	INJUN-BEREA-DEVONIAN SHALE
4709902147	Cabot	BURGESS, MARION # 9R	DEVONIAN SHALE - INJUN
4709902187	Cabot	WILSON C. & L. CO. "A" #41 R	DEVONIAN SHALE-BEREA-INJUN
4710701186	Cabot	BUFFINGTON, FREDERICK # 1 (SH)	DEVONIAN SHALE
4710701636	Cabot	BROWN, W.A. #1 (P&A)	TRENTON-BLACK RIVER
4710900014	Cabot	SHARP, C. C. # 1	BIG LIME-LITTLE LIME
4710900018	Cabot	SHARP, C. C. # 3	RAVENCLIFF
4710900019	Cabot	SHARP, C. C. # 4	BIG LIME
4710900027	Cabot	SHARP, C. C. # 5	BIG LIME-MAXTON
4710900029	Cabot	LOGAN-WYOMING # 1	BEREA-BIG LIME
4710900031	Cabot	SHARP, C. C. # 6	RAVENCLIFF
4710900032	Cabot	SHARP, C. C. # 7	LITTLE LIME-RAVENCLIFF
4710900036	Cabot	POCAHONTAS LAND # 1	BIG LIME
4710900037	Cabot	POCAHONTAS LAND # 2	RAVENCLIFF
4710900039	Cabot	POCAHONTAS LAND # 3 (P&A)	RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710900040	Cabot	POCAHONTAS LAND # 4	BIG LIME
4710900050	Cabot	POCAHONTAS LAND # 6	RAVENCLIFF
4710900051	Cabot	HUNTER, FORD # 1	BEREA-BIG LIME
4710900052	Cabot	POCAHONTAS LAND # 7	RAVENCLIFF
4710900057	Cabot	POCAHONTAS LAND # 9 (P&A)	BIG LIME-RAVENCLIFF
4710900064	Cabot	POCAHONTAS LAND # 10	RAVENCLIFF
4710900071	Cabot	GILBERT, JOHN JR. # 5	BEREA
4710900074	Cabot	SHORT, DAVID # 1	BEREA
4710900079	Cabot	POCAHONTAS LAND # 14	WEIR
4710900087	Cabot	POCAHONTAS-FORD # 1	RAVENCLIFF
4710900092	Cabot	BYRD, LON # 1 (P&A)	BIG LIME
4710900093	Cabot	SHIELDS, N. E. # 1	BEREA-RAVENCLIFF
4710900098	Cabot	POCAHONTAS LAND # 17	RAVENCLIFF
4710900101	Cabot	GILBERT, JOHN JR. # 6	RAVENCLIFF
4710900118	Cabot	POCAHONTAS LAND # 19 (TOTALS)	BIG LIME-RAVENCLIFF
4710900118	Cabot	POCAHONTAS LAND # 19 C	RAVENCLIFF
4710900118	Cabot	POCAHONTAS LAND # 19 T	BIG LIME
4710900119	Cabot	POCAHONTAS-FORD # 3	MAXTON-RAVENCLIFF
4710900150	Cabot	SHORT, DAVID # 2	BEREA
4710900158	Cabot	LUSK-SHORT # 1	MAXTON
4710900166	Cabot	BIG HUFF COAL # 2	BIG LIME-INJUN
4710900175	Cabot	MURPHY, C. W. # 1 (1227)	BIG LIME-RAVENCLIFF
4710900208	Cabot	BROWN, J. K. # 1	MAXTON
4710900229	Cabot	BAILEY, ROBERT # 1 (P&A)	RAVENCLIFF
4710900230	Cabot	WALKER, W. H. # 1 (TOTALS)	RAVENCLIFF
4710900230	Cabot	WALKER, W. H. # 1 C	BIG LIME
4710900230	Cabot	WALKER, W. H. # 1 T	RAVENCLIFF
4710900238	Cabot	BIG HUFF COAL # 3	BIG LIME
4710900248	Cabot	BIG HUFF COAL # 5 (HISTORICAL)	BEREA
4710900248	Cabot	BIG HUFF COAL # 5 DEEPENING	MARCELLUS
4710900274	Cabot	BIG HUFF COAL # 6	BEREA-BIG LIME
4710900276	Cabot	MURPHY, C. W. # 4	RAVENCLIFF
4710900294	Cabot	POCAHONTAS-FORD # 8	BEREA-MAXTON
4710900384	Cabot	GILBERT, JOHN JR. #13	BEREA-BIG LIME
4710900395	Cabot	GILBERT, JOHN JR. #15	BEREA
4710900401	Cabot	GILBERT, JOHN JR. #17	BEREA
4710900430	Cabot	BIG HUFF COAL # 7	BEREA
4710900453	Cabot	BIG HUFF COAL # 8 (P&A)	BIG LIME
4710900454	Cabot	BIG HUFF COAL # 9	MAXTON
4710900485	Cabot	GILBERT, JOHN JR. #21	BIG LIME
4710900522	Cabot	SHARP, C. C. # 8 (HISTORICAL)	RAVENCLIFF
4710900522	Cabot	SHARP, C. C. # 8 DD	GORDON
4710900523	Cabot	BAILEY, R. D. # 2	BIG LIME
4710900546	Cabot	BIG HUFF COAL #10	BIG LIME-RAVENCLIFF
4710900651	Cabot	GILBERT, JOHN JR. #25	BEREA-WEIR
4710900652	Cabot	GILBERT, JOHN JR. #26	BEREA-RAVENCLIFF
4710900654	Cabot	GILBERT, JOHN JR. #27	BEREA
4710900655	Cabot	GILBERT, JOHN JR. #28	BEREA-RAVENCLIFF
4710900664	Cabot	VIERS, SARAH # 1	BEREA-RAVENCLIFF
4710900666	Cabot	JENNINGS, E. # 1	BEREA-RAVENCLIFF
4710900670	Cabot	RED ASH POCAHONTAS # 1	BEREA-BIG LIME-RAVENCLIFF
4710900671	Cabot	GILBERT, JOHN JR. #29	BEREA-RAVENCLIFF
4710900674	Cabot	WORRELL & WORRELL # 1	BEREA
4710900677	Cabot	RED ASH POCAHONTAS # 2	BEREA-RAVENCLIFF
4710900685	Cabot	POCAHONTAS LAND "B" # 1 (TOTALS)	GORDON-WEIR
4710900685	Cabot	POCAHONTAS LAND "B" # 1 C	GORDON
4710900685	Cabot	POCAHONTAS LAND "B" # 1 T	WEIR
4710900689	Cabot	GILBERT & PLUMLEY "A" # 1	BEREA-BIG LIME
4710900691	Cabot	GILBERT & PLUMLEY "A" # 3	BEREA-MAXTON-RAVENCLIFF
4710900692	Cabot	GILBERT & PLUMLEY "A" # 4	BEREA-RAVENCLIFF
4710900694	Cabot	GILBERT & PLUMLEY "A" # 5 (TOTALS)	BEREA-RAVENCLIFF
4710900694	Cabot	GILBERT & PLUMLEY "A" # 5 C	RAVENCLIFF
4710900694	Cabot	GILBERT & PLUMLEY "A" # 5 T	BEREA
4710900701	Cabot	RED ASH 102 # 1	BEREA-RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710900703	Cabot	RED ASH POCAHONTAS "A" # 3	BEREA-BIG LIME-RAVENCLIFF
4710900709	Cabot	LASHER ESTATE # 1	BEREA-BIG LIME
4710900712	Cabot	POCAHONTAS LAND (WI) #9627	WEIR
4710900714	Cabot	POCAHONTAS LAND (WI) #9624	WEIR
4710900715	Cabot	CLINE, MACK # 1	BEREA- BIG LIME
4710900716	Cabot	RED ASH POCAHONTAS "A" # 4	BEREA-BIG LIME-RAVENCLIFF
4710900730	Cabot	MORGAN, R. E. # 1	BEREA
4710900733	Cabot	GILBERT & PLUMLEY "A" # 7 (TOTALS)	BEREA-RAVENCLIFF
4710900733	Cabot	GILBERT & PLUMLEY "A" # 7 C	RAVENCLIFF
4710900733	Cabot	GILBERT & PLUMLEY "A" # 7 T	BEREA
4710900750	Cabot	POCAHONTAS LAND "H" # 1	
4710900770	Cabot	POCAHONTAS LAND "I" # 1	RAVENCLIFF-WEIR
4710900771	Cabot	POCAHONTAS LAND "I" # 2 (BP)	RAVENCLIFF
4710900771	Cabot	POCAHONTAS LAND "I" # 2 (TOTALS)	BIG LIME-WEIR-RAVENCLIFF W.O.
4710900771	Cabot	POCAHONTAS LAND "I" # 2 C	BIG LIME
4710900771	Cabot	POCAHONTAS LAND "I" # 2 T	WEIR
4710900777	Cabot	POCAHONTAS LAND "I" # 6	RAVENCLIFF
4710900778	Cabot	POCAHONTAS LAND "I" #12	RAVENCLIFF
4710900782	Cabot	POCAHONTAS LAND "I" # 7 (BP)	RAVENCLIFF
4710900782	Cabot	POCAHONTAS LAND "I" # 7	BIG LIME-WEIR
4710900782	Cabot	POCAHONTAS LAND "I" # 7 C (OLD)	BIG LIME
4710900782	Cabot	POCAHONTAS LAND "I" # 7 T (OLD)	WEIR
4710900783	Cabot	POCAHONTAS LAND "I" # 8	BIG LIME-WEIR
4710900783	Cabot	POCAHONTAS LAND "I" # 8 (BP)	RAVENCLIFF
4710900791	Cabot	POCAHONTAS LAND "I" #11	RAVENCLIFF
4710900793	Cabot	POCAHONTAS LAND "I" #10 (TOTALS)	LOWER MAXTON-WEIR
4710900793	Cabot	POCAHONTAS LAND "I" #10 C	LOWER MAXTON
4710900793	Cabot	POCAHONTAS LAND "I" #10 T	WEIR
4710900795	Cabot	POCAHONTAS LAND "I" # 9 (TOTALS)	BIG LIME-WEIR
4710900795	Cabot	POCAHONTAS LAND "I" # 9 C	BIG LIME
4710900795	Cabot	POCAHONTAS LAND "I" # 9 T	WEIR
4710900796	Cabot	POCAHONTAS LAND "I" #14	RAVENCLIFF
4710900808	Cabot	POCAHONTAS LAND "L" # 2	MAXTON-RAVENCLIFF
4710900813	Cabot	MURPHY, C. W. # 1	BIG LIME-MAXTON-RAVENCLIFF
4710900814	Cabot	POCAHONTAS LAND "I" #13	BIG LIME-WEIR
4710900818	Cabot	POCAHONTAS LAND "I" #16 (BP)	RAVENCLIFF
4710900818	Cabot	POCAHONTAS LAND "I" #16 (TOTALS)	BIG LIME-WEIR
4710900818	Cabot	POCAHONTAS LAND "I" #16 C	BIG LIME
4710900818	Cabot	POCAHONTAS LAND "I" #16 T	WEIR
4710900823	Cabot	POCAHONTAS LAND "I" #15 (BP)	RAVENCLIFF
4710900823	Cabot	POCAHONTAS LAND "I" #15 C	BIG LIME
4710900823	Cabot	POCAHONTAS LAND "I" #15 T	WEIR
4710900824	Cabot	POCAHONTAS LAND "I" #17	WEIR
4710900824	Cabot	POCAHONTAS LAND "I" #17 (BP)	RAVENCLIFF
4710900825	Cabot	POCAHONTAS LAND "I" #20	BIG LIME
4710900825	Cabot	POCAHONTAS LAND "I" #20 (BP)	RAVENCLIFF
4710900826	Cabot	POCAHONTAS LAND "I" #26 (BP)	RAVENCLIFF
4710900826	Cabot	POCAHONTAS LAND "I" #26 (TOTALS)	BIG LIME-WEIR
4710900826	Cabot	POCAHONTAS LAND "I" #26 C	BIG LIME
4710900826	Cabot	POCAHONTAS LAND "I" #26 T	WEIR
4710900827	Cabot	POCAHONTAS LAND "I" #19 (BP)	RAVENCLIFF
4710900827	Cabot	POCAHONTAS LAND "I" #19 (TOTALS)	WEIR
4710900827	Cabot	POCAHONTAS LAND "I" #19 C	BIG LIME
4710900827	Cabot	POCAHONTAS LAND "I" #19 T	WEIR
4710900839	Cabot	LILLYBROOK LAND CO. # 2 (BP)	RAVENCLIFF
4710900839	Cabot	LILLYBROOK LAND CO. # 2 (TOTALS)	BIG LIME
4710900839	Cabot	LILLYBROOK LAND CO. # 2 T	WEIR
4710900839	Cabot	LILLYBROOK LAND CO. # 2 C	BIG LIME
4710900843	Cabot	LILLYBROOK LAND CO. # 3	BIG LIME-WEIR
4710900843	Cabot	LILLYBROOK LAND CO. # 3 (BP)	RAVENCLIFF
4710900847	Cabot	POCAHONTAS LAND "I" #22	BIG LIME
4710900848	Cabot	POCAHONTAS LAND "I" #18 C	MAXTON
4710900848	Cabot	POCAHONTAS LAND "I" #18 T	BIG LIME
4710900851	Cabot	POCAHONTAS LAND "I" #27	WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710900853	Cabot	POCAHONTAS LAND "I" #32 C	BIG LIME
4710900853	Cabot	POCAHONTAS LAND "I" #32 T	WEIR
4710900858	Cabot	POCAHONTAS LAND "I" #34	WEIR
4710900872	Cabot	LOGAN-WYOMING "B" # 2	BEREA-BIG LIME
4710900874	Cabot	COOKE, ANNA "A" # 1	BIG LIME-RAVENCLIFF-WEIR
4710900875	Cabot	LOGAN-WYOMING "B" # 7 (TOTALS)	BEREA-BIG LIME
4710900875	Cabot	LOGAN-WYOMING "B" # 7 C	BIG LIME
4710900875	Cabot	LOGAN-WYOMING "B" # 7 T	BEREA
4710900880	Cabot	GILBERT & PLUMLEY "A" # 9	BEREA-RAVENCLIFF
4710900881	Cabot	GILBERT & PLUMLEY "A" #10	MAXTON-RAVENCLIFF
4710900881	Cabot	GILBERT & PLUMLEY "A" #10 (BP)	BIG LIME
4710900882	Cabot	GILBERT & PLUMLEY "A" #11	BEREA-BIG LIME-RAVENCLIFF
4710900914	Cabot	POCAHONTAS LAND "I" #40	WEIR
4710900915	Cabot	POCAHONTAS LAND "I" #38	BIG LIME-MAXTON-WEIR
4710900915	Cabot	POCAHONTAS LAND "I" #38 C (OLD)	BIG LIME-MAXTON
4710900915	Cabot	POCAHONTAS LAND "I" #38 T (OLD)	WEIR
4710900917	Cabot	POCAHONTAS LAND "I" #39 (BP)	RAVENCLIFF-MAXTON
4710900917	Cabot	POCAHONTAS LAND "I" #39	BIG LIME-MAXTON-WEIR
4710900917	Cabot	POCAHONTAS LAND "I" #39 C	BIG LIME-MAXTON
4710900917	Cabot	POCAHONTAS LAND "I" #39 T	WEIR
4710900918	Cabot	POCAHONTAS LAND "I" #41 (BP)	RAVENCLIFF
4710900918	Cabot	POCAHONTAS LAND "I" #41 (TOTALS)	BIG LIME-WEIR
4710900918	Cabot	POCAHONTAS LAND "I" #41 C	BIG LIME
4710900918	Cabot	POCAHONTAS LAND "I" #41 T	WEIR
4710900919	Cabot	GRAYBEAL, CARL # 1	RAVENCLIFF
4710900920	Cabot	POCAHONTAS LAND "I" #21 (ABDN ZONE)	UPPER MAXTON
4710900920	Cabot	POCAHONTAS LAND "I" #21	RAVENCLIFF
4710900924	Cabot	POCAHONTAS LAND "I" #42R C	BIG LIME-MAXTON
4710900924	Cabot	POCAHONTAS LAND "I" #42R T	WEIR
4710900925	Cabot	POCAHONTAS LAND "I" #50	WEIR
4710900926	Cabot	BIG HUFF COAL "A" # 1	BIG LIME-RAVENCLIFF-WEIR
4710900928	Cabot	COOKE, ANNA "A" # 3 (TOTALS)	BIG LIME-RAVENCLIFF-WEIR
4710900928	Cabot	COOKE, ANNA "A" # 3 C	RAVENCLIFF
4710900928	Cabot	COOKE, ANNA "A" # 3 T	BIG LIME-WEIR
4710900937	Cabot	COOKE, ANNA "A" # 2R (TOTALS)	BIG LIME-PRINCETON-RAVENCLIFF-WEIR
4710900937	Cabot	COOKE, ANNA "A" # 2R T	BIG LIME-WEIR
4710900937	Cabot	COOKE, ANNA "A" # 2R C	PRINCETON-RAVENCLIFF
4710900941	Cabot	POCAHONTAS LAND "I" #54	BIG LIME-MAXTON-WEIR
4710900941	Cabot	POCAHONTAS LAND "I" #54 C (OLD)	BIG LIME-MAXTON
4710900941	Cabot	POCAHONTAS LAND "I" #54 T (OLD)	WEIR
4710900942	Cabot	POCAHONTAS LAND "I" #51	BIG LIME-MAXTON-WEIR
4710900942	Cabot	POCAHONTAS LAND "I" #51 C (OLD)	BIG LIME
4710900942	Cabot	POCAHONTAS LAND "I" #51 T (OLD)	WEIR
4710900945	Cabot	BIG HUFF COAL "A" # 2 (TOTALS)	BIG LIME-MAXTON-RAVENCLIFF
4710900945	Cabot	BIG HUFF COAL "A" # 2 C	RAVENCLIFF
4710900945	Cabot	BIG HUFF COAL "A" # 2 T	BIG LIME-MAXTON
4710900950	Cabot	WARD # 1	BEREA-BIG LIME-RAVENCLIFF
4710900952	Cabot	MURPHY, C. W. "C" # 4	BIG LIME-RAVENCLIFF-WEIR
4710900954	Cabot	WATTS LAND CO. # 4 (TOTALS) (P&A)	BIG LIME-RAVENCLIFF-WEIR
4710900954	Cabot	WATTS LAND CO. # 4 C (P&A)	RAVENCLIFF
4710900954	Cabot	WATTS LAND CO. # 4 T (P&A)	BIG LIME-WEIR
4710900955	Cabot	MURPHY, C. W. "C" # 6 (TOTALS)	BIG LIME-MAXTON-RAVENCLIFF-WEIR
4710900955	Cabot	MURPHY, C. W. "C" # 6 C	MAXTON-RAVENCLIFF
4710900955	Cabot	MURPHY, C. W. "C" # 6 T	BIG LIME-WEIR
4710900981	Cabot	COOKE, ANNA "A" # 5	BIG LIME-MAXTON-RAVENCLIFF
4710900982	Cabot	MURPHY, C. W. "C" # 7 (TOTALS)	BIG LIME-WEIR-RAVENCLIFF
4710900982	Cabot	MURPHY, C. W. "C" # 7 C	RAVENCLIFF
4710900982	Cabot	MURPHY, C. W. "C" # 7 T	BIG LIME-WEIR
4710900983	Cabot	GRAYBEAL, CARL # 2	LITTLE LIME-MAXTON-RAVENCLIFF
4710900998	Cabot	MGM UNIT # 1	BIG LIME-RAVENCLIFF
4710900999	Cabot	GRAYBEAL, TOM # 1	BIG LIME-GORDON-MAXTON-RAVENCLIFF
4710900999	Cabot	GRAYBEAL, TOM # 2,3	GORDON-MAXTON-RAVENCLIFF
4710901004	Cabot	MITROS, HILDA # 1	BIG LIME-MAXTON-RAVENCLIFF
4710901006	Cabot	GRAYBEAL, TOM # 2	MAXTON-RAVENCLIFF

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710901008	Cabot	COOK, CHARLES # 1	MAXTON-RAVENCLIFF
4710901013	Cabot	MITROS, HILDA # 2	BIG LIME-MAXTON-RAVENCLIFF
4710901022	Cabot	MORGAN, LAURA # 1	MAXTON-RAVENCLIFF
4710901025	Cabot	POCAHONTAS LAND "I" #55	BIG LIME-WEIR
4710901026	Cabot	POCAHONTAS LAND "I" #57	BIG LIME-WEIR
4710901027	Cabot	POCAHONTAS LAND "I" #60	RAVENCLIFF-BIG LIME-WEIR
4710901028	Cabot	POCAHONTAS LAND "I" #62	BIG LIME-MAXTON-WEIR
4710901029	Cabot	POCAHONTAS LAND "I" #63	BIG LIME-WEIR
4710901030	Cabot	POCAHONTAS LAND "I" #59 (TOTALS)	BIG LIME-MAXTON-WEIR
4710901030	Cabot	POCAHONTAS LAND "I" #59 C	MAXTON
4710901030	Cabot	POCAHONTAS LAND "I" #59 T	BIG LIME-WEIR
4710901031	Cabot	WATTS LAND CO. # 3 (P&A)	BIG LIME-RAVENCLIFF-WEIR
4710901032	Cabot	WATTS LAND CO. # 5	BIG LIME-RAVENCLIFF
4710901032	Cabot	WATTS LAND CO. # 5 (BP)	MAXTON
4710901033	Cabot	COOKE, ANNA "A" # 4	BIG LIME-RAVENCLIFF-WEIR
4710901038	Cabot	BISHOP, HARLESS # 1	MAXTON-RAVENCLIFF
4710901049	Cabot	POCAHONTAS LAND "B" # 14	BIG LIME-WEIR
4710901050	Cabot	POCAHONTAS LAND "B" # 15	BIG LIME-GORDON
4710901051	Cabot	POCAHONTAS LAND "B" # 16	BEREA-BIG LIME-GORDON-WEIR
4710901053	Cabot	POCAHONTAS LAND "I" #56	BIG LIME-WEIR
4710901055	Cabot	POCAHONTAS LAND "I" #65	WEIR
4710901063	Cabot	POCAHONTAS LAND "I" #58	WEIR
4710901076	Cabot	GREEN, NORMA # 1	BIG LIME-MAXTON
4710901084	Cabot	GREEN, NORMA # 2	BIG LIME-MAXTON-RAVENCLIFF
4710901098	Cabot	POCAHONTAS LAND "B" # 17	BIG LIME-WEIR
4710901099	Cabot	POCAHONTAS LAND "B" # 18	BIG LIME-LITTLE LIME-WEIR
4710901101	Cabot	POCAHONTAS LAND "H" # 5 (TOTALS)	BIG LIME-GORDON
4710901101	Cabot	POCAHONTAS LAND "H" # 5 C	BIG LIME
4710901101	Cabot	POCAHONTAS LAND "H" # 5 T	GORDON
4710901102	Cabot	POCAHONTAS LAND "H" # 6	WEIR
4710901103	Cabot	POCAHONTAS LAND "B" # 23	BIG LIME-WEIR
4710901104	Cabot	POCAHONTAS LAND "B" # 27	WEIR
4710901105	Cabot	POCAHONTAS LAND "B" # 6	WEIR
4710901107	Cabot	DAY, GEORGE # 1	BIG,LITTLE LIME-MAXTON-RAVENCLIFF
4710901109	Cabot	GRAYBEAL, TOM # 3	MAXTON-RAVENCLIFF
4710901110	Cabot	GRAYBEAL, CARL # 3	MAXTON-RAVENCLIFF
4710901117	Cabot	COOK, I. W. # 1	BIG LIME-MAXTON-RAVENCLIFF
4710901118	Cabot	POCAHONTAS LAND "H" # 9	BIG LIME-RAVENCLIFF-WEIR
4710901121	Cabot	POCAHONTAS LAND "B" # 31	BIG LIME-WEIR
4710901122	Cabot	POCAHONTAS LAND "B" # 36	WEIR
4710901124	Cabot	MITROS, HILDA # 3	BIG LIME-MAXTON
4710901159	Cabot	POCAHONTAS LAND "B" # 35R	WEIR
4710901164	Cabot	POCAHONTAS LAND "B" # 8	POCONO-WEIR
4710901164	Cabot	POCAHONTAS LAND "B" # 8 (BP)	MAXTON-RAVENCLIFF
4710901165	Cabot	POCAHONTAS LAND "H" #10 SS	RAVENCLIFF
4710901165	Cabot	POCAHONTAS LAND "H" #10 LS	BIG LIME-WEIR
4710901166	Cabot	POCAHONTAS LAND "B" # 37	LOWER WEIR
4710901167	Cabot	POCAHONTAS LAND "B" # 7	BIG LIME-WEIR-LOWER WEIR
4710901167	Cabot	POCAHONTAS LAND "B" # 7 (BP)	MAXTON-RAVENCLIFF
4710901168	Cabot	POCAHONTAS LAND "B" # 10	BIG LIME-WEIR
4710901168	Cabot	POCAHONTAS LAND "B" # 10 (BP)	MAXTON-RAVENCLIFF
4710901169	Cabot	GILBERT & PLUMLEY "A" #15	MAXTON-BIG LIME
4710901170	Cabot	GILBERT & PLUMLEY "A" #16	BEREA-BIG LIME
4710901172	Cabot	GILBERT & PLUMLEY "A" #14	BEREA-BIG LIME
4710901173	Cabot	POCAHONTAS LAND "B" # 21	BIG LIME-WEIR
4710901175	Cabot	POCAHONTAS LAND "B" # 34	MIDDLE MAXTON-BIG LIME-POCONO-WEIR
4710901176	Cabot	GREEN, JAMES HEIRS # 1	BIG LIME-RAVENCLIFF-MAXTON
4710901177	Cabot	GREEN, JAMES HEIRS # 2	BIG LIME-MAXTON
4710901178	Cabot	POCAHONTAS LAND "B" # 2	BIG LIME-WEIR
4710901179	Cabot	GREEN, JAMES HEIRS # 4	MAXTON-RAVENCLIFF
4710901180	Cabot	POCAHONTAS LAND "B" # 11	BIG LIME-POCONO-WEIR-M. MAXTON
4710901188	Cabot	GREEN, JAMES HEIRS # 6	MAXTON-RAVENCLIFF
4710901189	Cabot	GREEN, JAMES HEIRS # 5	BIG LIME-MAXTON
4710901191	Cabot	POCAHONTAS LAND "B" # 3	MIDDLE MAXTON-POCONO-WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710901191	Cabot	POCAHONTAS LAND "B" # 3 (BP)	LOWER MAXTON
4710901192	Cabot	POCAHONTAS LAND "B" # 4	BIG LIME-GORDON-WEIR
4710901194	Cabot	POCAHONTAS LAND "B" # 19	GORDON-POCONO
4710901196	Cabot	POCAHONTAS LAND "B" # 40	BIG LIME-LITTLE LIME-WEIR
4710901197	Cabot	POCAHONTAS LAND "H" # 8	WEIR-BIG LIME-RAVENCLIFF
4710901198	Cabot	POCAHONTAS LAND "H" #11 SS	RAVENCLIFF
4710901198	Cabot	POCAHONTAS LAND "H" #11 LS	BIG LIME-WEIR
4710901212	Cabot	POCAHONTAS LAND "I" #75 C	LOWER MAXTON
4710901212	Cabot	POCAHONTAS LAND "I" #75 T	BIG LIME
4710901212	Cabot	POCAHONTAS LAND "I" #75 (TOTALS)	LOWER MAXTON
4710901213	Cabot	GILBERT & PLUMLEY "A" #17	BEREA
4710901213	Cabot	GILBERT & PLUMLEY "A" #17 (BP)	RAVENCLIFF
4710901214	Cabot	POCAHONTAS LAND "S" # 2	MAXTON-WEIR
4710901215	Cabot	POCAHONTAS LAND "S" # 1	GORDON
4710901219	Cabot	POCAHONTAS LAND "B" # 5	GORDON-WEIR
4710901236	Cabot	POCAHONTAS LAND "B" # 42	AVIS LIME-WEIR
4710901250	Cabot	POCAHONTAS LAND "H" #12R	RAVENCLIFF-WEIR
4710901251	Cabot	POCAHONTAS LAND "B" # 9	BIG LIME-RAVENCLIFF
4710901257	Cabot	POCAHONTAS LAND "H" #14	BIG LIME-WEIR
4710901281	Cabot	POCAHONTAS LAND "S" # 6R UNIT	WEIR
4710901282	Cabot	POCAHONTAS LAND "S" # 5	RAVENCLIFF-WEIR
4710901285	Cabot	GILBERT & PLUMLEY "A" #19	BIG LIME
4710901285	Cabot	GILBERT & PLUMLEY "A" #19 (BP)	MIDDLE MAXTON-LOWER MAXTON
4710901287	Cabot	POCAHONTAS LAND "B" # 30	BIG LIME-GORDON-WEIR
4710901287	Cabot	POCAHONTAS LAND "B" # 30 (BP)	RAVENCLIFF
4710901295	Cabot	GILBERT & PLUMLEY/STEELE UNIT # 1	BEREA-BIG LIME
4710901316	Cabot	POCAHONTAS LAND "H" #15	GORDON-WEIR
4710901317	Cabot	POCAHONTAS LAND "B" # 26R	GORDON-WEIR
4710901322	Cabot	POCAHONTAS LAND "S" # 7	BIG LIME-MAXTON-WEIR
4710901323	Cabot	WATTS LAND CO. # 6	BIG LIME-RAVENCLIFF-WEIR
4710901331	Cabot	GILBERT & PLUMLEY "A" #20	BEREA-BIG LIME-RAVENCLIFF
4710901343	Cabot	RITTER POCAHONTAS #1R	WEIR
4710901352	Cabot	POCAHONTAS LAND "S" #12R	BIG LIME-WEIR
4710901360	Cabot	GILBERT & PLUMLEY "A" #21S	BEREA-BIG LIME-L MAXTON-U MAXTON
4710901364	Cabot	POCAHONTAS LAND "B" # 12	BIG LIME-WEIR
4710901365	Cabot	POCAHONTAS LAND "B" # 13	BIG LIME-WEIR
4710901367	Cabot	RITTER LUMBER CO. #280 (JV)	MIDDLE MAXTON-PRINCETON-RAVENCLIFF
4710901377	Cabot	WATTS LAND CO. # 7	BIG LIME-RAVENCLIFF-WEIR
4710901379	Cabot	GILBERT & PLUMLEY "A" #24	BEREA-BIG LIME
4710901385	Cabot	POCAHONTAS LAND "S" # 8R	BIG LIME-RAVENCLIFF
4710901386	Cabot	POCAHONTAS LAND "S" # 9	BIG LIME-RAVENCLIFF
4710901387	Cabot	POCAHONTAS LAND "C" #12 NORTH (EMAX)	WEIR
4710901389	Cabot	POCAHONTAS LAND "H" #16	GORDON-WEIR
4710901390	Cabot	POCAHONTAS LAND "S" #15	WEIR
4710901391	Cabot	POCAHONTAS LAND "S" #16	BIG LIME-WEIR
4710901392	Cabot	GILBERT & PLUMLEY "A" #27	BIG LIME-MIDDLE MAXTON-RAVENCLIFF
4710901394	Cabot	GILBERT & PLUMLEY "A" #28	BEREA-BIG LIME-MIDDLE MAXTON
4710901395	Cabot	GILBERT & PLUMLEY "A" #29	BEREA-BIG LIME-MIDDLE MAXTON
4710901395	Cabot	GILBERT & PLUMLEY "A" #29 (BP)	RAVENCLIFF
4710901399	Cabot	POCAHONTAS LAND "C" # 1 SOUTH (EMAX)	BIG LIME-MIDDLE MAXTON
4710901399	Cabot	POCAHONTAS LAND "C" # 1 SOUTH(EMAX)(BP)	RAVENCLIFF
4710901403	Cabot	POCAHONTAS LAND "B" # 44	BIG LIME-WEIR
4710901405	Cabot	POCAHONTAS LAND "C" # 6 NORTH (EMAX)	WEIR
4710901408	Cabot	POCAHONTAS LAND "C" # 3 NORTH (EMAX)	BIG LIME-WEIR
4710901408	Cabot	POCAHONTAS LAND "C" # 3 NORTH(EMAX)(BP)	LOWER MAXTON-MIDDLE MAXTON
4710901430	Cabot	GILBERT & PLUMLEY "A" #22	BEREA
4710901444	Cabot	COOKE, ANNA "A" # 7	BIG LIME-RAVENCLIFF
4710901447	Cabot	POCAHONTAS LAND "B" # 43	BIG LIME-LOWER MAXTON-WEIR
4710901447	Cabot	POCAHONTAS LAND "B" # 43 (BP)	MAXTON-RAVENCLIFF
4710901449	Cabot	BIG HUFF COAL "A" # 3	BIG LIME-LOWER MAXTON
4710901473	Cabot	GILBERT & PLUMLEY "A" #32	BEREA-BIG LIME-MIDDLE MAXTON
4710901526	Cabot	GILBERT & PLUMLEY "A" #26	BEREA-BIG LIME
4710901526	Cabot	GILBERT & PLUMLEY "A" #26 (BP)	MIDDLE MAXTON
4710901527	Cabot	COOKE, ANNA "A" # 6	BIG LIME-RAVENCLIFF-WEIR

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710901528	Cabot	POCAHONTAS LAND "B" # 52	MIDDLE & LOWER BIG LIME FAULTS-WEIR
4710901529	Cabot	GILBERT & PLUMLEY "A" #38	BEREA-MAXTON
4710901531	Cabot	POCAHONTAS LAND "B" # 54	BIG LIME-MAXTON-WEIR
4710901538	Cabot	RITTER LUMBER CO. #283	BIG LIME-DEVONIAN SHALE
4710901546	Cabot	GILBERT & PLUMLEY "A" #34	BEREA-BIG LIME
4710901557	Cabot	POCAHONTAS LAND "B" # 41	WEIR-POCONO
4710901560	Cabot	POCAHONTAS LAND "H" #17	BIG LIME-RAVENCLIFF-WEIR
4710901560	Cabot	POCAHONTAS LAND "H" #17 (BP)	MAXTON
4710901561	Cabot	POCAHONTAS LAND "S" # 3R	BIG LIME-WEIR
4710901561	Cabot	POCAHONTAS LAND "S" # 3R (BP)	GORDON
4710901569	Cabot	POCAHONTAS LAND "S" #18	BIG LIME
4710901576	Cabot	POCAHONTAS LAND "B" # 39	BIG LIME-MAXTON
4710901577	Cabot	WORRELL, CHARLES # 3	RAVENCLIFF
4710901589	Cabot	POCAHONTAS LAND "H" #18	GORDON-WEIR
4710901590	Cabot	POCAHONTAS LAND "H" #19	GORDON-WEIR
4710901596	Cabot	GILBERT & PLUMLEY "A" #42	BEREA-PRINCETON-RAVENCLIFF
4710901600	Cabot	GILBERT & PLUMLEY "A" #40	BEREA-BIG LIME-PRINCETON-RAVENCLIFF
4710901601	Cabot	POCAHONTAS LAND "S" #14	MIDDLE MAXTON-POCONO-WEIR
4710901603	Cabot	POCAHONTAS LAND "B" # 50	BIG LIME-WEIR
4710901604	Cabot	RED ASH POCAHONTAS "A" # 8	BEREA-LITTLE LIME-PRINCETON-RAVEN.
4710901605	Cabot	GILBERT & PLUMLEY "A" #41	BEREA-BIG LIME-PRINCETON-RAVENCLIFF
4710901605	Cabot	GILBERT & PLUMLEY "A" #41 (BP)	LOWER MAXTON
4710901615	Cabot	POCAHONTAS LAND "B" # 55	GORDON-WEIR
4710901623	Cabot	WORRELL & WORRELL # 2	BEREA-WEIR
4710901625	Cabot	POCAHONTAS LAND "B" # 25R	RAVENCLIFF-WEIR
4710901631	Cabot	POCAHONTAS LAND "B" # 57R	BIG LIME-GORDON-WEIR-MIDDLE MAXTON
4710901638	Cabot	COOKE, ANNA "A" # 8	BIG LIME-RAVENCLIFF-WEIR
4710901641	Cabot	POCAHONTAS LAND "H" #22	BIG LIME-GORDON-RAVENCLIFF
4710901645	Cabot	POCAHONTAS LAND "H" #21	BIG LIME-RAVENCLIFF-WEIR
4710901674	Cabot	WORRELL, CHARLES # 4	RAVENCLIFF
4710901693	Cabot	U. S. STEEL # 2	GORDON-RAVENCLIFF
4710901705	Cabot	POCAHONTAS LAND "H" #23	BIG LIME-RAVENCLIFF-WEIR
4710901715	Cabot	POCAHONTAS LAND "B" # 33R	BIG LIME-GORDON-MIDDLE MAXTON-WEIR
4710901719	Cabot	POCAHONTAS LAND "I" #77	BIG LIME
4710901719	Cabot	POCAHONTAS LAND "I" #77 (BP)	LOWER MAXTON-RAVENCLIFF
4710901729	Cabot	POCAHONTAS LAND "B" # 45R	WEIR - POCONO - M. MAXTON FAULTS
4710901738	Cabot	SHARP, C. C. # 9	RAVENCLIFF
4710901765	Cabot	GILBERT & PLUMLEY "A" #37	MIDDLE MAXTON
4710901765	Cabot	GILBERT & PLUMLEY "A" #37 (BP)	RAVENCLIFF
4710901775	Cabot	POCAHONTAS LAND "B" # 46	BIG LIME-WEIR
4710901780	Cabot	POCAHONTAS LAND "B" # 28	GORDON
4710901782	Cabot	POCAHONTAS LAND "I" #81 (P&A)	BIG LIME
4710901782	Cabot	POCAHONTAS LAND "I" #81 (BP) (P&A)	LOWER MAXTON
4710901790	Cabot	POCAHONTAS LAND "B" # 58	BIG LIME-WEIR
4710901790	Cabot	POCAHONTAS LAND "B" # 58 (BP)	MAXTON-RAVENCLIFF
4710901791	Cabot	U. S. STEEL # 3	BIG LIME-WEIR
4710901792	Cabot	U. S. STEEL # 11	BIG LIME-INJUN-WEIR
4710901820	Cabot	POCAHONTAS LAND "C" #25 DD	WEIR
4710901820	Cabot	POCAHONTAS LAND "C" #25	POCONO
4710901839	Cabot	POCAHONTAS LAND "B" # 62	GORDON-WEIR
4710901846	Cabot	POCAHONTAS LAND "C" #26	BIG LIME-WEIR
4710901846	Cabot	POCAHONTAS LAND "C" #26 (BP)	MAXTON
4710901851	Cabot	POCAHONTAS LAND "C" #27	POCONO-WEIR
4710901879	Cabot	U. S. STEEL # 7 T	BIG LIME-WEIR
4710901879	Cabot	U. S. STEEL # 7 (TOTALS)	BIG LIME-WEIR
4710901879	Cabot	U. S. STEEL # 7 C	BIG LIME-WEIR
4710901924	Cabot	LOGAN-WYOMING "B" #12	BEREA
4710901930	Cabot	POCAHONTAS LAND "C" #28	WEIR
4710901934	Cabot	POCAHONTAS LAND "C" #29	POCONO
4710901940	Cabot	POCAHONTAS LAND "B" # 74R	BIG LIME
4710901941	Cabot	POCAHONTAS LAND "H" #20	RAVENCLIFF-WEIR
4710901958	Cabot	U. S. STEEL # 5	WEIR
4710901959	Cabot	COOKE, ANNA "A" # 9	BIG LIME-RAVENCLIFF-WEIR
4710901960	Cabot	GILBERT & PLUMLEY "A" #47	LOWER MAXTON-MIDDLE MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710901988	Cabot	U. S. STEEL # 23	BIG LIME-WEIR
4710901991	Cabot	POCAHONTAS LAND "C" #37	BIG LIME-WEIR
4710902008	Cabot	POCAHONTAS LAND "B" # 76	WEIR
4710902009	Cabot	POCAHONTAS LAND "B" # 77	BIG LIME-POCONO
4710902010	Cabot	GILBERT #25, UNIT 1 WELL #2	BEREA-MIDDLE MAXTON
4710902011	Cabot	GILBERT & PLUMLEY "A" #44 (P&A)	BIG LIME-BEREA
4710902013	Cabot	GILBERT & PLUMLEY "A" #49	BEREA-BIG LIME
4710902016	Cabot	GILBERT & PLUMLEY "A" #54	MIDDLE MAXTON
4710902022	Cabot	POCAHONTAS LAND "B" # 80	BIG LIME-LITTLE LIME-WEIR
4710902023	Cabot	POCAHONTAS LAND "C" #36	BIG LIME-POCONO-WEIR
4710902026	Cabot	POCAHONTAS LAND "B" # 56	BIG LIME-GORDON-WEIR
4710902031	Cabot	POCAHONTAS LAND "B" # 67R	BIG LIME-GORDON-WIER
4710902032	Cabot	GILBERT & PLUMLEY "A" #55 (P&A)	MAXTON-BIG LIME-BEREA
4710902070	Cabot	U. S. STEEL # 22	WEIR-MIDDLE MAXTON
4710902092	Cabot	WATTS LAND CO. #10	BIG LIME-RAVENCLIFF-WEIR
4710902093	Cabot	U. S. STEEL # 28	WEIR-GORDON
4710902123	Cabot	POCAHONTAS LAND "H" #24	GORDON-WEIR-LOWER & MIDDLE BIG LIME FAULTS
4710902123	Cabot	POCAHONTAS LAND "H" #24 (BP)	RAVENCLIFF
4710902131	Cabot	POCAHONTAS LAND "B" # 84	LOWER WEIR FAULT-BIG LIME
4710902133	Cabot	POCAHONTAS LAND "B" # 86	POCONO-RAVENCLIFF
4710902133	Cabot	POCAHONTAS LAND "B" # 86 (BP)	RAVENCLIFF
4710902142	Cabot	POCAHONTAS LAND "B" # 87	BIG LIME FAULTS- UPPER BIG LIME
4710902143	Cabot	POCAHONTAS LAND "B" # 98	WEIR-BIG LIME-LITTLE LIME
4710902168	Cabot	U. S. STEEL # 29	GORDON-WEIR-BIG LIME
4710902168	Cabot	U. S. STEEL # 29 (BP)	UPPER MAXTON
4710902202	Cabot	U. S. STEEL # 31	GORDON FAULT-WEIR-L. MAXTON-M. MAXTON
4710902202	Cabot	U. S. STEEL # 31 (BP)	LOWER MAXTON-MIDDLE MAXTON
4710902219	Cabot	POCAHONTAS LAND "B" # 71	GORDON-POCONO-BIG LIME FAULT-U. BIG LIME
4710902220	Cabot	POCAHONTAS LAND "B" # 47	BIG LIME-LITTLE LIME
4710902221	Cabot	U. S. STEEL # 32	DEVONIAN SHALE-WEIR-POCONO-BIG LIME
4710902222	Cabot	POCAHONTAS LAND "B" # 83	POCONO-BIG LIME-LITTLE LIME
4710902225	Cabot	POCAHONTAS LAND "B" #100	U.BIG LIME-BIG LIME FAULT-INJUN-POCONO
4710902229	Cabot	POCAHONTAS LAND "B" # 68	BIG LIME-WEIR-GORDON
4710902235	Cabot	POCAHONTAS LAND "B" #103	MIDDLE BIG LIME FAULT
4710902251	Cabot	U. S. STEEL # 35	POCONO-WEIR-GORDON FAULT
4710902252	Cabot	POCAHONTAS LAND "B" #101	BIG LIME FAULT-UPPER BIG LIME
4710902253	Cabot	U. S. STEEL # 30	BIG LIME-WEIR-LOWER WEIR FAULT-GORDON
4710902254	Cabot	POCAHONTAS LAND "B" #106	BIG LIME-LITTLE LIME-INJUN-WEIR
4710902255	Cabot	POCAHONTAS LAND "B" #104	BIG LIME-BIG LIME FAULT-POCONO
4710902265	Cabot	U. S. STEEL # 12R	WEIR-INJUN FAULT
4710902266	Cabot	POCAHONTAS LAND "B" # 88	BIG LIME-WEIR
4710902331	Cabot	POCAHONTAS LAND "H" #25	GORDON-WEIR-BIG FAULT
4710902333	Cabot	U. S. STEEL # 36	DEV SHALE FLT-LOWER WEIR FLT-BIG LIME FLT-BIG LIME
4710902333	Cabot	U. S. STEEL # 36 (BP)	RAVENCLIFF
4710902341	Cabot	POCAHONTAS LAND "B" #114	BIG LIME-LITTLE LIME-LOWER MAXTON FAULT
4710902341	Cabot	POCAHONTAS LAND "B" #114 (BP)	INJUN FAULT
4710902342	Cabot	U. S. STEEL # 40	GORDON FAULT
4710902361	Cabot	U. S. STEEL # 49	LOWER WEIR FAULT-WEIR-LOWER MAXTON
4710902362	Cabot	U. S. STEEL # 50	BIG LIME FAULT-MIDDLE MAXTON
4710902369	Cabot	U. S. STEEL # 25	GORDON-INJUN-RAVENCLIFF
4710902376	Cabot	U. S. STEEL # 39	BIG LIME FAULT-POCONO-GORDON-GORDON FAULT
4710902376	Cabot	U. S. STEEL # 39 (BP)	BIG LIME-UPPER MAXTON
4710902377	Cabot	U. S. STEEL # 41	BIG LIME-BIG LIME FAULT-INJUN-GORDON
4710902378	Cabot	POCAHONTAS LAND "B" # 85	WEIR-BIG LIME FAULT-BIG LIME
4710902379	Cabot	POCAHONTAS LAND "B" # 72	WEIR-WEIR SHALES FLT-BEREA FLT-GORDON
4710902380	Cabot	POCAHONTAS LAND "B" # 70	WEIR-LOWER WEIR FAULT-GORDON
4710902380	Cabot	POCAHONTAS LAND "B" # 70 (BP)	MIDDLE MAXTON
4710902381	Cabot	U. S. STEEL # 51	GOR FLT-WEIR-BIG LIME FAULTS-MAXTONS
4710902381	Cabot	U. S. STEEL # 51 (BP)	LITTLE LIME-LOWER MAXTON-MIDDLE MAXTON
4710902382	Cabot	U. S. STEEL # 38R	POCONO FLT-BIG LIME-LITTLE LIME
4710902384	Cabot	U. S. STEEL # 55	GORDON-UPPER DEV FLT-INJUN FLT-BIG LIME
4710902393	Cabot	U. S. STEEL # 47	WEIR-POCONO-INJUN-BIG LIME
4710902407	Cabot	U. S. STEEL # 37 - S	BIG LIME-BIG LIME FAULT
4710902408	Cabot	U. S. STEEL # 57	GORDON-WEIR SHALES FAULT-BIG LIME FAULT-BIG LIME

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710902409	Cabot	POCAHONTAS LAND "B" #115	LITTLE LIME-BIG LIME-WEIR
4710902414	Cabot	POCAHONTAS LAND "B" #112	WIER-INJUN FAULT-BIG LIME
4710902415	Cabot	POCAHONTAS LAND "B" #113	BIG LIME-WEIR
4710902417	Cabot	POCAHONTAS LAND "B" #142	GORDON-POCONO FAULT
4710902418	Cabot	U. S. STEEL # 52	GORDON-POCONO FLT-L WEIR FLT-BIG LIME FLT
4710902419	Cabot	U. S. STEEL # 43R	POCONO-BIG LIME FLT- U MAXTON-L MAXTON
4710902420	Cabot	POCAHONTAS LAND "B" # 60	BEREA FAULT-WEIR
4710902420	Cabot	POCAHONTAS LAND "B" # 60 (BP)	MIDDLE MAXTON
4710902426	Cabot	U. S. STEEL # 56	POCONO FLT-INJUN FLT-BIG LIME FLT-BIG LIME
4710902429	Cabot	U. S. STEEL # 45	GORDON-LOWER WEIR FLT-POCONO FLT-BIG LIME FLT
4710902431	Cabot	POCAHONTAS LAND "H" #26	GORDON-WEIR-BIG LIME-BL FLT-LITTLE LIME
4710902432	Cabot	LOGAN-WYOMING "B" #11 R	DEVONIAN SHALE-BEREA-BIG LIME
4710902433	Cabot	LOGAN-WYOMING "B" #14	DEVONIAN SHALE-BEREA-BIG LIME
4710902434	Cabot	POCAHONTAS LAND "B" #110	WEIR-INJUN FAULT-BIG LIME FAULT-BIG LIME
4710902463	Cabot	U. S. STEEL # 54	GORDON-LOWER WEIR FLT-INJUN FLT-BIG LIME FLT
4710902473	Cabot	U. S. STEEL # 34	GORDON-GORDON FAULT-WEIR-BIG LIME-MIDDLE MAXTONS
4710902473	Cabot	U. S. STEEL # 34 (BP)	BIG LIME-1ST M. MAXTON-2ND M. MAXTON
4710902475	Cabot	U. S. STEEL # 63	WEIR-LOWER WEIR FAULT-GORDON FAULT
4710902475	Cabot	U. S. STEEL # 63 (BP)	BIG LIME
4710902477	Cabot	POCAHONTAS LAND "B" #160	BEREA-INJUN FAULT-BIG LIME FAULT
4710902478	Cabot	GILBERT & PLUMLEY "A" #31	BEREA-BIG LIME-RAVENCLIFF
4710902479	Cabot	U. S. STEEL # 60	GORDON-POCONO FAULT-LITTLE LIME
4710902480	Cabot	U. S. STEEL # 64	BIG LIME-WEIR-SUNBURY FAULT-GORDON FAULT
4710902481	Cabot	U. S. STEEL # 68	LOWER MAXTON-MIDDLE MAXTON
4710902482	Cabot	U. S. STEEL # 70	BIG LIME-BIG LIME FLT-WEIR SHALE FLT
4710902484	Cabot	POCAHONTAS LAND "B" #158	BIG LIME FLT-INJUN FLT-WEIR-WEIR SHALE FLT
4710902488	Cabot	POCAHONTAS LAND "B" #166	BIG LIME-BIG LIME FLT-POCONO FLT-BEREA-GORDON
4710902499	Cabot	LOGAN-WYOMING "B" #13	LOWER & MIDDLE BIG LIME
4710902500	Cabot	POCAHONTAS LAND "B" #157	BIG LIME-LITTLE LIME
4710902501	Cabot	MURPHY, C. W. "C" #11	RAVENCLIFF-BIG LIME-WEIR-BEREA
4710902502	Cabot	U. S. STEEL # 16	BIG LIME-BIG LIME FAULT-WEIR
4710902505	Cabot	POCAHONTAS LAND "B" #172 H	2 POCONO FAULTS
4710902513	Cabot	U. S. STEEL # 65	POCONO FLT-WEIR SHALE FLT-GORDON FLT-GORDON
4710902513	Cabot	U. S. STEEL # 65 (BP)	BIG LIME-MAXTON
4710902514	Cabot	U. S. STEEL # 71	BIG LIME-POCONO FLT-WEIR SHALE FLT-GORDON
4710902514	Cabot	U. S. STEEL # 71 (BP)	MIDDLE MAXTON
4710902515	Cabot	POCAHONTAS LAND "B" #174	BIG LIME-BEREA-GORDON
4710902522	Cabot	LOGAN-WYOMING "B" #16	BEREA-BIG LIME
4710902523	Cabot	U. S. STEEL # 61	BIG LIME-WEIR-WEIR SHALES FLT
4710902527	Cabot	U. S. STEEL # 74	GORDON-POCONO FLT-BIG LIME FLT-LITTLE LIME
4710902530	Cabot	POCAHONTAS LAND "B" #152	GOR FLT-SUN-WR-INJ FLT-BL
4710902539	Cabot	POCAHONTAS LAND "B" #159	BIG LIME-WEIR-DEV FLT
4710902546	Cabot	U. S. STEEL # 78	GORDON-POCONO FAULT-LITTLE LIME
4710902547	Cabot	U. S. STEEL # 62	BIG LIME-WEIR-GORDON
4710902548	Cabot	POCAHONTAS LAND "B" #165	BIG LIME-LITTLE LIME-LOWER MAXTON FAULT
4710902557	Cabot	U. S. STEEL # 15R	GORDON- LOWER BL FLT-MIDDLE BL FLT
4710902561	Cabot	U. S. STEEL # 81	GORDON-SUNBURY FLT-WEIR FLT
4710902565	Cabot	GILBERT & PLUMLEY "A" #50	BEREA-POCONO FLT-BIG LIME
4710902565	Cabot	GILBERT & PLUMLEY "A" #50 (BP)	RAVENCLIFF
4710902566	Cabot	U. S. STEEL # 69	LOWER MAXTON-MIDDLE MAXTON
4710902567	Cabot	U. S. STEEL # 73	GORDON-WEIR-SHALES FLT-POCONO FLT-BIG LIME
4710902568	Cabot	GILBERT & PLUMLEY "A" #33	BEREA-BIG LIME-LOWER MAXTON
4710902568	Cabot	GILBERT & PLUMLEY "A" #33 (BP)	RAVENCLIFF
4710902588	Cabot	POCAHONTAS LAND "B" # 78	GORDON FLT-BIG LIME
4710902597	Cabot	U. S. STEEL # 80	DEV SHALE-GORDON-POCONO FAULT
4710902598	Cabot	U. S. STEEL # 82	GORDON-L WEIR SH FLT-POCONO FLT-BIG LIME FLT
4710902600	Cabot	LOGAN-WYOMING "B" #15	BEREA-POCONO-BIG LIME
4710902601	Cabot	LOGAN-WYOMING "B" #19	BEREA-LOWER & UPPER BIG LIME
4710902620	Cabot	U. S. STEEL # 76	GORDON-L WEIR SHALES FLT-POCONO FLT
4710902620	Cabot	U. S. STEEL # 76 (BP)	BIG LIME FAULT
4710902622	Cabot	POCAHONTAS LAND "B" #105	BEREA FLT-BIG LIME FLT-BIG LIME
4710902623	Cabot	U. S. STEEL # 77 DRILL DEEPER	GOR-POC-L WEIR FLT-BL FLT-L MAXTON
4710902623	Cabot	U. S. STEEL # 77	GOR-WR SH FLT-POC FLT=BL FLT-L MAX
4710902626	Cabot	U. S. STEEL # 91	DEV FLTS-GORDON-L WEIR SH FLT-POCONO FLT-MAXTON

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710902630	Cabot	U. S. STEEL # 75	L WEIR SH FLT-POCONO FLT-BIG LIME FLT-L. MAXTON
4710902630	Cabot	U. S. STEEL # 75 (BP)	LOWER MAXTON
4710902631	Cabot	U. S. STEEL # 95	GORDON FAULT-WEIR-BIG LIME FAULT
4710902635	Cabot	POCAHONTAS LAND "H" #31	GORDON-WEIR FLT-POCONO FLT-BIG LIME FLT
4710902635	Cabot	POCAHONTAS LAND "H" #31 (BP)	BIG LIME
4710902636	Cabot	POCAHONTAS LAND "H" #37	GORDON-POCONO FAULT
4710902637	Cabot	POCAHONTAS LAND "B" #180	GORDON-BEREA FLT-L. WEIR SHALE FLT-WEIR
4710902639	Cabot	U. S. STEEL # 98	L. WEIR SHALES FLT-POCONO FLTS-M. MAXTON
4710902640	Cabot	POCAHONTAS LAND "B" #182	WEIR-BIG LIME FAULT-BIG LIME
4710902641	Cabot	POCAHONTAS LAND "B" #185	GORDON FAULT-BIG LIME
4710902644	Cabot	U. S. STEEL # 99	BIG LIME FAULT-MIDDLE MAXTON
4710902648	Cabot	POCAHONTAS LAND "H" #39	GORDON-POCONO FAULT-BIG LIME
4710902650	Cabot	U. S. STEEL # 92	L. WEIR SHALES FAULT-WEIR-INJUN FAULT
4710902657	Cabot	POCAHONTAS LAND "H" #27	GORDON-BIG LIME FAULTS-LITTLE LIME
4710902659	Cabot	POCAHONTAS LAND "B" #186	GORDON FAULT-BIG LIME
4710902661	Cabot	POCAHONTAS LAND "B" #164	GORDON FLT-L. WEIR SHALES FLT-LITTLE LIME FLT
4710902662	Cabot	POCAHONTAS LAND "B" #181	GORDON FAULT-WEIR-BIG LIME FLT-B LIME
4710902663	Cabot	POCAHONTAS LAND "B" #187	GORDON FLT-WEIR-INJUN FLT-BIG LIME-LOWER MAXTON
4710902663	Cabot	POCAHONTAS LAND "B" #187 (BP)	BIG LIME FAULT-LOWER MAXTON
4710902665	Cabot	POCAHONTAS LAND "H" #33	LOWER WEIR FLT-BIG LIME-RAVENCLIFF
4710902666	Cabot	U. S. STEEL # 48	GORDON FAULT-LOWER WEIR FAULT-INJUN FLT
4710902667	Cabot	U. S. STEEL # 96	BR FLT-SUNB FLT-L. WEIR FLT-WEIR-POC FLT-BL-LL FLT
4710902667	Cabot	U. S. STEEL # 96 (BP)	WEIR-POCONO FAULT-BIG LIME
4710902668	Cabot	U. S. STEEL # 97	L WEIR SH FLT-POCONO FLT-L LIME-MAXTON
4710902669	Cabot	POCAHONTAS LAND "B" # 82	BEREA-POCONO FAULT
4710902671	Cabot	POCAHONTAS LAND "B" #167	GORDON-BEREA-L WEIR SHALE FLT-WEIR
4710902672	Cabot	POCAHONTAS LAND "B" #168	GORDON-WEIR-POCONO FAULT
4710902679	Cabot	POCAHONTAS LAND "B" #169	GORDON-L WEIR SH FLT-WEIR-POCONO FLT
4710902680	Cabot	POCAHONTAS LAND "B" #170	L. WEIR FLT-WEIR-POCONO FLT-BIG LIME FLT
4710902681	Cabot	POCAHONTAS LAND "B" #183	GORDON-BIG LIME-LITTLE LIME
4710902696	Cabot	POCAHONTAS LAND "B" #171	WEIR-INJUN FAULT-BIG LIME
4710902697	Cabot	POCAHONTAS LAND "B" #173	WEIR-BIG LIME-LITTLE LIME
4710902705	Cabot	U. S. STEEL # 93R	GORDON FAULT-BEREA-WEIR
4710902706	Cabot	U. S. STEEL # 44 R	GORDON-L. WEIR SHALES FAULT-POCONO BACKTHRUST
4710902708	Cabot	POCAHONTAS LAND "H" #34	BIG LIME-RAVENCLIFF
4710902709	Cabot	POCAHONTAS LAND "C" #41	WEIR-INJUN FAULT-BIG LIME-MIDDLE MAXTON
4710902718	Cabot	U. S. STEEL #107	WEIR-BIG LIME FAULTS
4710902719	Cabot	POCAHONTAS LAND "B" #153	BIG LIME FAULTS-BIG LIME-L. MAXTON
4710902721	Cabot	LYONS # 1	GORDON-BIG LIME FAULT-MIDDLE MAXTON
4710902722	Cabot	LYONS # 2	MIDDLE MAXTON
4710902723	Cabot	LYONS # 3	GORDON-LITTLE LIME
4710902734	Cabot	U. S. STEEL #106	BEREA FAULT-BIG LIME FAULT
4710902736	Cabot	POCAHONTAS LAND "C" #38	WEIR-BIG LIME FAULTS-BIG LIME-UPPER MAXTON
4710902739	Cabot	BIG HUFF COAL "A" #11	POCONO FAULT-BIG LIME
4710902739	Cabot	BIG HUFF COAL "A" #11 (BP)	RAVENCLIFF
4710902740	Cabot	POCAHONTAS LAND "B" #149R	GORDON-BIG LIME FAULT-BIG LIME
4710902756	Cabot	U. S. STEEL # 94R	GORDON-LOWER WEIR FAULT
4710902757	Cabot	POCAHONTAS LAND "B" #184	L. WEIR FAULT-INJUN FAULT-BIG LIME
4710902758	Cabot	POCAHONTAS LAND "H" #35	BIG LIME-UPPER MAXTON
4710902784	Cabot	U. S. STEEL # 85	GORDON-POCONO-BIG LIME-LITTLE LIME
4710902785	Cabot	U. S. STEEL #112	BEREA FAULT-WEIR BACKTHRUST
4710902786	Cabot	U. S. STEEL #113R	GORDON-LOWER WEIR SH FAULT-INJUN FLT-M. MAXTON
4710902786	Cabot	U. S. STEEL #113R (BP)	L. WEIR FLT-INJUN FLT-M. MAXTON
4710902788	Cabot	POCAHONTAS LAND "B" #190	GORDON-BEREA-L.WEIR FLT-WEIR-L. LIME
4710902789	Cabot	POCAHONTAS LAND "B" #145	BIG LIME-LOWER MAXTON
4710902790	Cabot	GILBERT & PLUMLEY "A" #64	LOWER MAXTON-RAVENCLIFF
4710902797	Cabot	U. S. STEEL #105R	WEIR FLT-INJUN BKTHRST-BL FLT-BIG LIME-RAVENCLIFF
4710902797	Cabot	U. S. STEEL #105R (BP)	RAVENCLIFF
4710902801	Cabot	U. S. STEEL #104R	BEREA FLT-L WEIR FLT-POCONO FLT-BIG LIME-M. MAXTON
4710902801	Cabot	U. S. STEEL #104R (BP)	MIDDLE MAXTON
4710902802	Cabot	HUNTER, FORD # 2	BEREA-RAVENCLIFF
4710902823	Cabot	GILBERT & PLUMLEY "A" #60	BEREA-POC-BIG LIME-RAV-PRINCETON
4710902824	Cabot	GILBERT & PLUMLEY "A" #61	BEREA-BIG LIME-LOWER MAXTON
4710902839	Cabot	PCHC #1309B	POCA 6 COAL SEAM

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
4710902840	Cabot	PCHC #1309C	POCA 6 COAL SEAM
4710902863	Cabot	POCAHONTAS LAND "B" #193	GORDON-POCONO FLT-BIG LIME FLT-LITTLE LIME
4710902866	Cabot	POCAHONTAS LAND "B" #163R	GORDON-WEIR SHALES FLT-WEIR-LITTLE LIME
4710902867	Cabot	POCAHONTAS LAND "B" #139	WEIR-BIG LIME FLT-LOWER & MIDDLE MAXTONS
4710902868	Cabot	POCAHONTAS LAND "C" #43	BIG LIME-MIDDLE MAXTON-UPPER MAXTON
4710902876	Cabot	POCAHONTAS LAND "B" #191 R	GORDON-LOWER WEIR FLT-WEIR FLT-BIG LIME
4710902886	Cabot	LYONS # 5	GORDON-POCONO FLT-L. LIME-M. MAXTON
4710902888	Cabot	LYONS # 4	GOR-POC FLT-LBL-UBL FLT-M. MAX-RAV
4710902890	Cabot	GILBERT & PLUMLEY "A" #62 R	BEREA-BIG LIME
4710902893	Cabot	POCAHONTAS LAND "B" #192 R	GORDON-WEIR-POCONO FAULT
4710902903	Cabot	LOGAN-WYOMING "B" #25	BEREA-LOWER BIG LIME
4710902904	Cabot	LOGAN-WYOMING "B" #27	LOWER BIG LIME
4710902909	Cabot	LYONS # 6	GORDON-LOWER WEIR SHALES-MIDDLE MAXTON
4710902909	Cabot	LYONS # 6 (BP)	RAVENCLIFF
4710902911	Cabot	GILBERT & PLUMLEY "A" #63	BEREA-BIG LIME-LOWER MAXTON-RAVENCLIFF
4710902925	Cabot	LOGAN-WYOMING "B" # 9	MARCELLUS-BEREA
4710902938	Cabot	U. S. STEEL # 67	MARCELLUS-L. HURON-GORDON
4710902939	Cabot	U. S. STEEL # 84	LOWER WEIR SHALES FAULT
4710902941	Cabot	LOGAN-WYOMING "B" #18R	BEREA-LOWER BIG LIME
4710902944	Cabot	POCAHONTAS LAND "B" #196	POCONO FAULT-BIG LIME FAULT-LITTLE LIME
4710902945	Cabot	U. S. STEEL #118	MARCELLUS-RHINESTREET FLT-GORDON FLT-WEIR
4710902956	Cabot	RED ASH 102 # 2	MARCELLUS-RHINESTREET-HURON-BEREA-BIG LIME
4710902956	Cabot	RED ASH 102 # 2 (BP)	RAVENCLIFF-PRINCETON
4710902957	Cabot	GILBERT & PLUMLEY "A" #91	MARCELLUS-RHINESTREET-L HURON-HURON FLTS-BEREA
4710902958	Cabot	GILBERT & PLUMLEY "A" #92	MARCELLUS-LOWER HURON-BEREA
4710902959	Cabot	GILBERT & PLUMLEY "A" #93	MARCELLUS-RHINESTREET-L HURON-HURON-BEREA
4710902959	Cabot	GILBERT & PLUMLEY "A" #93 (BP)	L BIG LIME-M BIG LIME-UPPER MAXTON
4710902960	Cabot	POCAHONTAS LAND "B" #194	BEREA-LOWER WEIR SHALES
4710902960	Cabot	POCAHONTAS LAND "B" #194 (BP)	POCONO FLT
4710902961	Cabot	U. S. STEEL # 66	POCONO FAULT-GORDON
4710902976	Cabot	POCAHONTAS LAND "H" #49	GORDON-POCONO FLT-BIG LIME FLTS-M. MAXTON
4710902977	Cabot	POCAHONTAS LAND "H" #47R	RAVENCLIFF
4710902982	Cabot	POCAHONTAS LAND "B" #195R	ELK-L. WEIR FLT-WEIR-POCONO FAULT
4710903000	Cabot	CANNOY #1	L. BIG LIME
4710903003	Cabot	GILBERT & PLUMLEY "A" #94	MARCELLUS-RHINESTREET-L HURON-U HURON-BEREA
4710903003	Cabot	GILBERT & PLUMLEY "A" #94 (BP)	LITTLE LIME-RAVENCLIFF
4710903004	Cabot	GILBERT & PLUMLEY "A" #89	MARCELLUS-RHINESTREET-LOWER HURON-BEREA
4710903005	Cabot	GILBERT & PLUMLEY "A" #58	MARCELLUS-DEVONIAN SHALES-BEREA-BIG LIME
4710903005	Cabot	GILBERT & PLUMLEY "A" #58 (BP)	BIG LIME
4710903006	Cabot	GILBERT & PLUMLEY "A" #59	MARCELLUS-L DEVONIAN SHALES-BEREA-BIG LIME
4710903006	Cabot	GILBERT & PLUMLEY "A" #59 (BP)	RAVENCLIFF
4710903007	Cabot	GILBERT & PLUMLEY "A" #70	MARCELLUS-DEVONIAN SHALES-L MAXTON-BEREA-BIG LIME
4710903007	Cabot	GILBERT & PLUMLEY "A" #70 (BP)	RAVENCLIFF
4710903008	Cabot	SHARP, C. C. #13	MARCELLUS-GORDON-WEIR FLT-LBL FLT-UBL-RAVENCLIFF
4710903009	Cabot	COOKE, ANNA "A" #10	MARCELLUS-GORDON-BIG LIME-RHINESTREET-LOWER HURON
4710903016	Cabot	SHARP, C. C. #23	MARCELLUS-U HURON FLT-GORDON-L BIG LIME- L MAXTON
4710903027	Cabot	GILBERT & PLUMLEY "A" #90	HELDERBERG-MARCELLUS-DEV SHALES-BEREA
4710903036	Cabot	GILBERT & PLUMLEY "A" #75	BIG LIME
4710903036	Cabot	GILBERT & PLUMLEY "A" #75 (BP)	BIG LIME-U MAXTON-RAVENCLIFF
4710903038	Cabot	LOGAN-WYOMING "B" #20	LOWER BIG LIME-UPPER BIG LIME
4710903039	Cabot	GILBERT & PLUMLEY "A" #77	MARCELLUS-DEVONIAN SHALE-BEREA
4710903039	Cabot	GILBERT & PLUMLEY "A" #77 (BP)	RAVENCLIFF
4710903040	Cabot	LOGAN-WYOMING "B" #21	MARCELLUS-RHINESTREET-L. HURON-L. BIG LIME
4710903043	Cabot	GILBERT & PLUMLEY "A" #96	MARCELLUS-RHINESTREET-BEREA
4710903043	Cabot	GILBERT & PLUMLEY "A" #96 (BP)	M MAXTON - RAVENCLIFF
4710903047	Cabot	GILBERT & PLUMLEY "A" #95	HELDERBERG-MARCELLUS-U HURON FRACTURES-BEREA
4710903047	Cabot	GILBERT & PLUMLEY "A" #95 (BP)	RAVENCLIFF
4710903049	Cabot	GILBERT & PLUMLEY "A" #87	MARCELLUS-RHINESTREET-SPEECHLEY-BIG LIME
4710903049	Cabot	GILBERT & PLUMLEY "A" #87 (BP)	U MAXTON-RAVENCLIFF
4710903065	Cabot	LOGAN-WYOMING "B" #22	MARCELLUS-RHINESTREET-L HURON-BEREA-M & L BIG LIME
4710903071	Cabot	WORRELL #11R	GORDON-L BIG LIME FLT.-U. BIG LIME-RAVENCLIFF
47079	Cabot	SPARTAN-PUTNAM "B" # 1	VARIOUS
47079	Cabot	SPARTAN-PUTNAM "B" # 2	VARIOUS
47081	Cabot	DONOHOE # 1	VARIOUS

APPENDIX G
Wells Serviced by Injection Wells

API #	Operator	Well Name	Producing Formation
47107	Cabot	CABOT WOOD #1	UTICA

UIC PERMIT APPLICATION CABOT #100

SECTION 10
MONITORING

Cabot Oil & Gas Corporation has implemented the following procedures to account for monitoring and recordkeeping of liquids injected into the well as well as the source of all fluids on site.

- A Cabot employee responsible for transferring liquids from off site to the injection well is required to complete a manifest detailing the following:

  - The type(s) of liquid;
  - The amount of each if more than one present;
  - Where the liquids originate; and
  - Where the liquids are being transported

  A record of the manifest is kept at the appropriate district office. For more information and an example, see Attachment 10-1.

- In addition to the manifest for each liquid transfer, Cabot keeps a monthly log of the liquids that are transported to the injection facility and from which site the liquids were transferred from. Also on this monthly log, Cabot details injection activity at the site and provides the following information associated with such activity:

  - Total amount of barrels of liquid injected into the well;
  - Injection pressure;
  - Average rate of injection in GPM; and
  - Hours of operation

  For an example of the monthly log, see Attachment 10-2.

- On a monthly basis, Cabot submits a Report for Waste Disposal Wells (WR-40B form) to the West Virginia DEP detailing injection activity at the facility. For a record of these reports, see Attachment 10-3.

ATTACHMENT 10-1

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING — SHORT FORM — Original — Not Negotiable

Shipper's No. 13-795

(Carrier:) Cabot Oil & Gas SCAC. Carrier's No.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at _____, date _____ from _____

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM: STATON RUN STATION
Consignee Cabot Oil & Gas Cabot 100	Shipper Cabot Oil & Gas
Street Rt. 62 N	Street Rt. 60 E.
Destination [illegible] Zip	Origin Smithers Zip
Route:	
Delivering Carrier	Trailer Initial/Number 6749 — U.S. DOT Hazmat Reg. Number

No. of Packages	HM	Description of articles, special marks, and exceptions	Hazard Class	U.S. Identification	Packing Group	Net Quantity in Pounds	Charges	Prepaid	Collect
1 T.T.	X	Petroleum Products N.O.S. Oil 3 Flammables liquid UN1268 20 BBL	3	UN1268	II	840 Gallons			
		Benzene & Drip Gas							
		WATER 20 BBL				840 Gallon			
		RCRA Exempt Status							
		ERG Guide #128							

Remit C.O.D. to:
Address:
City: State: ZIP:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

COD AMT: $

Charges Advanced $

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C.O.D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ Prepaid ☐ Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(C)(1)(A) and (B). This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED UN1268

PLACARDS SUPPLIED ☒ YES ☐ NO-FURNISHED BY CARRIER

DRIVER'S SIGNATURE

SPECIAL INSTRUCTIONS:

SHIPPER: COGC
PER: Jeff Bowman DATE: 4-23-13

SHIPPER: COGC
PER: Jeff Bowman DATE: 4-23-13

PERMANENT POST OFFICE ADDRESS OF SHIPPER

EMERGENCY RESPONSE TELEPHONE NUMBER (800) 642-0300

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

CONTAINS HAZARDOUS MATERIALS

ATTACHMENT 10-2

LIZEMORE DISPOSAL

DAILY ACTIVITY LO

Year 2014 Month January

Day	Hauling Log: Shipping From	To	Contents DOB	Volume Barrels	Time Sheet Hours Reg	OT	Operati Hour
1-9	Cabot 41 & McLean A-140	Caldwell	Water	35	4		
1-9	Red Warrior Station	Caldwell	oil / water	4 / 11	4		
1-9	Independence Station	Caldwell	Water	60	1	5	
1-9	~~Independence Station~~	~~Cabot 100~~	~~oil~~	~~48~~	~~4~~		
1-13	Witcher Station	Cabot 100	oil	42	2	2	
1-15	Tender Ridge Drips	Caldwell	Water	60	4		
1-15	Tender Ridge Drips	Caldwell	Water	60	4		
1-16	Stinson Run Station	Caldwell	oil / water	4 / 32	4		
1-16	Connellton Station	Caldwell	oil / water	9 / 10	2		
1-18	Drip 2	Caldwell	oil / water	6 / 49		8	
1-27	Sissonville Drips	Caldwell	oil	60	2		
1-27	Witcher Station	Caldwell	oil / water	27 / 9	4	2	
1-29	McLean 177	Caldwell	Water	57	5	1	
1-29	Cabot 8	Cabot 100	oil / water	9 / 25	4		
1-29	Cabot 29	Cabot 100	Water	17	4	1	
1-30	McLean A-136	Cabot 100	Water	42	6		
1-30	Boaham Station	Cabot 100	oil / water	5 / 22		2	
1-31	Staten Run Drip Tank	Caldwell	Drip	oil / water	40 / 20	4	
1-14	Caldwell						
1-20	Caldwell						
1-29	Caldwell						

ATTACHMENT 10-3

WR-40 B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

MONTH /YEAR (MM/YYYY): 05/2014
WELL NO. CABOT 100
API NO. 47- 079 - 01452
PERMIT NO. UIC2D0791452

OPERATOR NAME: CABOT OIL & GAS CORPORATION

********MAXIMUM PERMITTED INJECTION PRESSURE 436 PSIG.********

DAY	OPERATING HOURS	ANNULUS PRESSURES (PSIG)		MAXIMUM DAILY INJECTION FRESSURE (PSIG)	SHUT IN PRESSURE (PSIG)	VOLUME IN BBLS AND/OR MCF.		RATE IN GALLONS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED 38,582	MAXIMUM	MINIMUM
1	0	0	0	0	0	0	38582.29	0	0
2	0	0	0	0	0	0	38582.29	0	0
3	0	0	0	0	0	0	38582.29	0	0
4	0	0	0	0	0	0	38582.29	0	0
5	0	0	0	0	0	0	38582.29	0	0
6	0	0	0	0	0	0	38582.29	0	0
7	0	0	0	0	0	0	38582.29	0	0
8	0	0	0	0	0	0	38582.29	0	0
9	0	0	0	0	0	0	38582.29	0	0
10	0	0	0	0	0	0	38582.29	0	0
11	0	0	0	0	0	0	38582.29	0	0
12	0	0	0	0	0	0	38582.29	0	0
13	0	0	0	0	0	0	38582.29	0	0
14	0	0	0	0	0	0	38582.29	0	0
15	0	0	0	0	0	0	38582.29	0	0
16	0	0	0	0	0	0	38582.29	0	0
17	0	0	0	0	0	0	38582.29	0	0
18	0	0	0	0	0	0	38582.29	0	0
19	0	0	0	0	0	0	38582.29	0	0
20	0	0	0	0	0	0	38582.29	0	0
21	0	0	0	0	0	0	38582.29	0	0
22	0	0	0	0	0	0	38582.29	0	0
23	0	0	0	0	0	0	38582.29	0	0
24	0	0	0	0	0	0	38582.29	0	0
25	0	0	0	0	0	0	38582.29	0	0
26	0	0	0	0	0	0	38582.29	0	0
27	0	0	0	0	0	0	38582.29	0	0
28	0	0	0	0	0	0	38582.29	0	0
29	0	0	0	0	0	0	38582.29	0	0
30	0	0	0	0	0	0	38582.29	0	0
31	0	0	0	0	0	0	38582.29	0	0
TOTALS	0	0	0	0	0	0	38,582	0	0

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT. BY: _____

TITLE: _____

WR-40 B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

MONTH /YEAR (MM/YYYY): 04/2014
WELL NO. CABOT 100
API NO. 47- 079 - 01452
PERMIT NO. UIC2D0791452

OPERATOR NAME: CABOT OIL & GAS CORPORATION

********MAXIMUM PERMITTED INJECTION PRESSURE 436 PSIG.********

DAY	OPERATING HOURS	ANNULUS PRESSURES (PSIG)		MAXIMUM DAILY INJECTION PRESSURE (PSIG)	SHUT IN PRESSURE (PSIG)	VOLUME IN BBLS AND/OR MCF.		RATE IN GALLONS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED 38,582	MAXIMUM	MINIMUM
1	0	0	0	0	0	0	38582.29	0	0
2	0	0	0	0	0	0	38582.29	0	0
3	0	0	0	0	0	0	38582.29	0	0
4	0	0	0	0	0	0	38582.29	0	0
5	0	0	0	0	0	0	38582.29	0	0
6	0	0	0	0	0	0	38582.29	0	0
7	0	0	0	0	0	0	38582.29	0	0
8	0	0	0	0	0	0	38582.29	0	0
9	0	0	0	0	0	0	38582.29	0	0
10	0	0	0	0	0	0	38582.29	0	0
11	0	0	0	0	0	0	38582.29	0	0
12	0	0	0	0	0	0	38582.29	0	0
13	0	0	0	0	0	0	38582.29	0	0
14	0	0	0	0	0	0	38582.29	0	0
15	0	0	0	0	0	0	38582.29	0	0
16	0	0	0	0	0	0	38582.29	0	0
17	0	0	0	0	0	0	38582.29	0	0
18	0	0	0	0	0	0	38582.29	0	0
19	0	0	0	0	0	0	38582.29	0	0
20	0	0	0	0	0	0	38582.29	0	0
21	0	0	0	0	0	0	38582.29	0	0
22	0	0	0	0	0	0	38582.29	0	0
23	0	0	0	0	0	0	38582.29	0	0
24	0	0	0	0	0	0	38582.29	0	0
25	0	0	0	0	0	0	38582.29	0	0
26	0	0	0	0	0	0	38582.29	0	0
27	0	0	0	0	0	0	38582.29	0	0
28	0	0	0	0	0	0	38582.29	0	0
29	0	0	0	0	0	0	38582.29	0	0
30	0	0	0	0	0	0	38582.29	0	0
31	0	0	0	0	0	0	38582.29	0	0
TOTALS	0	0	0	0	0	0	38,582	0	0

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT. BY: _____

TITLE: _____

WR-40 B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

MONTH /YEAR (MM/YYYY): 03/2014
WELL NO. Cabot 100
API NO. 47- 079 - 01452
PERMIT NO. UIC2D0791452

OPERATOR NAME: CABOT OIL & GAS CORPORATION

********MAXIMUM PERMITTED INJECTION PRESSURE 436 PSIG.********

DAY	OPERATING HOURS	ANNULUS PRESSURES (PSIG)		MAXIMUM DAILY INJECTION PRESSURE (PSIG)	SHUT IN PRESSURE (PSIG)	VOLUME IN BBLS AND/OR MCF.		RATE IN GALLONS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED 38577.61	MAXIMUM	MINIMUM
1	0	0	0	0	0	0	38577.61	0	0
2	0	0	0	0	0	0	38577.61	0	0
3	0	0	0	0	0	0	38577.61	0	0
4	0	0	0	0	0	0	38577.61	0	0
5	0	0	0	0	0	0	38577.61	0	0
6	0	0	0	0	0	0	38577.61	0	0
7	0	0	0	0	0	0	38577.61	0	0
8	0	0	0	0	0	0	38577.61	0	0
9	0	0	0	0	0	0	38577.61	0	0
10	0	0	0	0	0	0	38577.61	0	0
11	0	0	0	0	0	0	38577.61	0	0
12	0	0	0	0	0	0	38577.61	0	0
13	0	0	0	0	0	0	38577.61	0	0
14	0	0	0	0	0	0	38577.61	0	0
15	21	0	0	0	0	0	38577.61	0	0
16	0	0	0	450	0	4.68	38582.29	.16	0
17	0	0	0	0	0	0	38582.29	0	0
18	0	0	0	0	0	0	38582.29	0	0
19	0	0	0	0	0	0	38582.29	0	0
20	0	0	0	0	0	0	38582.29	0	0
21	0	0	0	0	0	0	38582.29	0	0
22	0	0	0	0	0	0	38582.29	0	0
23	0	0	0	0	0	0	38582.29	0	0
24	0	0	0	0	0	0	38582.29	0	0
25	0	0	0	0	0	0	38582.29	0	0
26	0	0	0	0	0	0	38582.29	0	0
27	0	0	0	0	0	0	38582.29	0	0
28	0	0	0	0	0	0	38582.29	0	0
29	0	0	0	0	0	0	38582.29	0	0
30	0	0	0	0	0	0	38582.29	0	0
31	0	0	0	0	0	0	38582.29	0	0
TOTALS	21	0	0	450	0	4.68	38582.29	0.16	0

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT. BY: [signature]
TITLE:

WR-40 B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

MONTH /YEAR (MM/YYYY): 02/2014
WELL NO. Cabot 100
API NO. 47- 079 - 01452
PERMIT NO. UIC2D0791452

OPERATOR NAME: CABOT OIL & GAS CORPORATION

********MAXIMUM PERMITTED INJECTION PRESSURE 436 PSIG.********

DAY	OPERATING HOURS	ANNULUS PRESSURES (PSIG)		MAXIMUM DAILY INJECTION PRESSURE (PSIG)	SHUT IN PRESSURE (PSIG)	VOLUME IN BBLS AND/OR MCF.		RATE IN GALLONS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED 38577.61	MAXIMUM	MINIMUM
1	0	0	0	0	0	0	38577.61	0	0
2	0	0	0	0	0	0	38577.61	0	0
3	0	0	0	0	0	0	38577.61	0	0
4	0	0	0	0	0	0	38577.61	0	0
5	0	0	0	0	0	0	38577.61	0	0
6	0	0	0	0	0	0	38577.61	0	0
7	0	0	0	0	0	0	38577.61	0	0
8	0	0	0	0	0	0	38577.61	0	0
9	0	0	0	0	0	0	38577.61	0	0
10	0	0	0	0	0	0	38577.61	0	0
11	0	0	0	0	0	0	38577.61	0	0
12	0	0	0	0	0	0	38577.61	0	0
13	0	0	0	0	0	0	38577.61	0	0
14	0	0	0	0	0	0	38577.61	0	0
15	0	0	0	0	0	0	38577.61	0	0
16	0	0	0	0	0	0	38577.61	0	0
17	0	0	0	0	0	0	38577.61	0	0
18	0	0	0	0	0	0	38577.61	0	0
19	0	0	0	0	0	0	38577.61	0	0
20	0	0	0	0	0	0	38577.61	0	0
21	0	0	0	0	0	0	38577.61	0	0
22	0	0	0	0	0	0	38577.61	0	0
23	0	0	0	0	0	0	38577.61	0	0
24	0	0	0	0	0	0	38577.61	0	0
25	0	0	0	0	0	0	38577.61	0	0
26	0	0	0	0	0	0	38577.61	0	0
27	0	0	0	0	0	0	38577.61	0	0
28	0	0	0	0	0	0	38577.61	0	0
29	0	0	0	0	0	0	38577.61	0	0
30	0	0	0	0	0	0	38577.61	0	0
31	0	0	0	0	0	0	38577.61	0	0
TOTALS	0	0	0	0	0	0	38577.61	0	0

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT. BY: [signature]
TITLE:

WR-40 B

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

MONTH /YEAR (MM/YYYY): 01/2014
WELL NO. Cabot 100
API NO. 47- 079 - 1452
PERMIT NO. UIC2D0791452

OPERATOR NAME: CABOT OIL & GAS CORPORATION

********MAXIMUM PERMITTED INJECTION PRESSURE 436 PSIG.********

DAY	OPERATING HOURS	ANNULUS PRESSURES (PSIG)		MAXIMUM DAILY INJECTION PRESSURE (PSIG)	SHUT IN PRESSURE (PSIG)	VOLUME IN BBLS AND/OR MCF.		RATE IN GALLONS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED 38577.61	MAXIMUM	MINIMUM
1	0	0	0	0	0	0	38577.61	0	0
2	0	0	0	0	0	0	38577.61	0	0
3	0	0	0	0	0	0	38577.61	0	0
4	0	0	0	0	0	0	38577.61	0	0
5	0	0	0	0	0	0	38577.61	0	0
6	0	0	0	0	0	0	38577.61	0	0
7	0	0	0	0	0	0	38577.61	0	0
8	0	0	0	0	0	0	38577.61	0	0
9	0	0	0	0	0	0	38577.61	0	0
10	0	0	0	0	0	0	38577.61	0	0
11	0	0	0	0	0	0	38577.61	0	0
12	0	0	0	0	0	0	38577.61	0	0
13	0	0	0	0	0	0	38577.61	0	0
14	0	0	0	0	0	0	38577.61	0	0
15	0	0	0	0	0	0	38577.61	0	0
16	0	0	0	0	0	0	38577.61	0	0
17	0	0	0	0	0	0	38577.61	0	0
18	0	0	0	0	0	0	38577.61	0	0
19	0	0	0	0	0	0	38577.61	0	0
20	0	0	0	0	0	0	38577.61	0	0
21	0	0	0	0	0	0	38577.61	0	0
22	0	0	0	0	0	0	38577.61	0	0
23	0	0	0	0	0	0	38577.61	0	0
24	0	0	0	0	0	0	38577.61	0	0
25	0	0	0	0	0	0	38577.61	0	0
26	0	0	0	0	0	0	38577.61	0	0
27	0	0	0	0	0	0	38577.61	0	0
28	0	0	0	0	0	0	38577.61	0	0
29	0	0	0	0	0	0	38577.61	0	0
30	0	0	0	0	0	0	38577.61	0	0
31	0	0	0	0	0	0	38577.61	0	0
TOTALS	0	0	0	0	0	0	38577.61	0	0

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT.

BY: Whitney Johnson
TITLE: Superintendent

FORM WR-40

STATE OF WEST VIRGINIA
'DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: December 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 436 ✓ PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF		RATE IN GALS PER MINUTE	
		TUBING	OTHER			*** DAILY	ACCUMULATED	AVERAGE	MAXIMUM
12/3/13	12			900		180.00	37880.11	10.50	
12/9/13	12			900		176.22	38060.11	10.28	
12/13/13	12			900		166.78	38236.33	9.73	
12/18/13	12			900		174.50	38403.11	10.18	
							38577.61		
				Well Shut In per DEP Jamie P.					
TOTALS	48					697.50			

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
'DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: November 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF ***		RATE IN GALS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED	AVERAGE	MAXIMUM
11/4/13	12			850		166.14	36927.73	9.69	
11/6/13	12			900		170.82	37093.87	9.96	
11/11/13	12			900		184.86	37264.69	10.78	
11/19/13	15			900		244.53	37449.55	11.41	
11/20/13	12			900		186.03	37694.08	10.85	
							37880.11		
TOTALS.	63					952.38	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
'DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: October 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF ***		RATE IN GALS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED	AVERAGE	MAXIMUM
10/1/13	15			900			35790.59		
10/3/13	3			900		203.58	35994.17	9.50	
10/4/13	9			900		30.42	36024.59	7.10	
10/8/13	12			900		131.91	36156.50	10.26	
10/10/13	12			900		197.93	36354.43	11.55	
10/15/13	14			900		147.42	36501.85	8.60	
10/23/13	12			900		126.36	36628.21	6.32	
10/24/13	12			900		159.12	36787.33	9.28	
						140.40	36927.73	8.19	
TOTALS	89					1137.14	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: September 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF		RATE IN GALS PER MINUTE	
		TUBING	OTHER			*** DAILY	ACCUMULATED	AVERAGE	MAXIMUM
9/4/13	12						35441.93		
9/16/13	12				900	166.14	35608.07	9.69	
					900	182.52	35790.59	10.65	
							35790.59		
TOTALS	24					348.66	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: August 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF ***		RATE IN GALS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED	AVERAGE	MAXIMUM
8/12/13	12			950		117.00	34463.11	6.83	
8/15/13	12			950		170.82	34580.11	9.96	
8/22/13	13			950		175.50	34750.93	9.45	
8/23/13	12			950		170.82	34926.43	9.96	
8/27/13	12			950		168.48	35097.25	9.83	
8/28/13	12			950		176.20	35265.73	10.29	
							35441.93		
TOTALS	73					978.82	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: July 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF		RATE IN GALS PER MINUTE	
		TUBING	OTHER			*** DAILY	ACCUMULATED	AVERAGE	MAXIMUM
7/15/13	12			900		175.50	33332.20	10.24	
7/16/13	12			900		216.45	33507.70	12.63	
7/18/13	12			900		170.80	33724.15	9.96	
7/19/13	4			900		58.50	33894.95	10.24	
7/23/13	12			900		177.84	33953.45	10.37	
7/29/13	12			900		161.00	34131.29	9.42	
7/30/13	12			900		170.82	34292.29	9.96	
							34463.11		
							34463.11		
TOTALS	76					1130.91	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: June 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF		RATE IN GALS PER MINUTE	
		TUBING	OTHER			*** DAILY	ACCUMULATED	AVERAGE	MAXIMUM
							33157.87		
6/11/13	12			950		174.33	33332.20	10.17	
							33332.20		
TOTALS	12					174.33	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: District Superintendent

UIC2D0791452

FORM WR-40

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
REPORT FOR WASTE DISPOSAL WELLS

DATE: May 2013
WELL NO.: Cabot 100
API PERMIT #: 47 - 079 - 01452

OPERATOR NAME: CABOT OIL AND GAS CORPORATION

******** MAXIMUM PERMITTED INJECTION PRESSURE 2482 PSIG. **********

Date	OPERATING HOURS ***	ANNULUS PRESSURES		MAXIMUM DAILY INJECTION PRESSURE	SHUT IN PRESSURE	VOLUMES IN BBLS OR MCF ***		RATE IN GALS PER MINUTE	
		TUBING	OTHER			DAILY	ACCUMULATED	AVERAGE	MAXIMUM
5/16/13	12			950		159.10	32841.99	9.28	
5/21/13	10			950		156.78	33001.09	10.97	
							33157.87		
TOTALS	22					315.88	33,157.87		

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT

BY: [signature]

TITLE: Superintendent

UIC2D0791452

UIC PERMIT APPLICATION CABOT #100

SECTION 11
GROUNDWATER PROTECTION PLAN (GPP)

Provided is a Groundwater Protection Plan in Appendix H. Data from nearby creek samples is also included.

APPENDIX H

GROUNDWATER PROTECTION PLAN

Facility Name: Cabot #100

County: Putnam County

Facility Location:

Postal Service Address:		
Latitude and Longitude:	38.529111°, -81.838149°	

Contact Information:

Person:	Whitney Johnson
Phone Number:	(304) 595-5015
E-mail Address:	whitney.johnson@cabotog.com

Date: 6/5/2014

1. A list of all operations that may contaminate the groundwater.

- (5) 8,820 gallon steel storage tank containing brine water and recovered oil
- (1) 4,200 gallon steel storage tank containing brine water and recovered oil
- transferring the produced fluids into tanker trucks
- pipelines carrying the recovered and re-injected fluids

2. A description of procedures and facilities used to protect groundwater quality from the list of potential contaminant sources above.

The steel storage tanks are all located on a cement pad and located in secondary containment. These tanks undergo visual inspection and pressure valve checks. The transferring of the produced fluids into the tanker trucks occurs on a sloped loadout pad that is bermed and contains a sump at the sloped end for the collection of any spills that occur during transfer. The pipelines carrying the fluids from the wellhead to the tanks and out to the trucks undergo visual inspection, pressure valve checks and have emergency shut-off valves.

3. List procedures to be used when designing and adding new equipment or operations.

There are current plans to install additional secondary containment around the injection well. The well pad will be connected to the current facility. The plans will be submitted for approval to the list below before construction at the facility may begin:
-Review and stamped by a Professional Engineer or Geologist
-Review and approved by the Environmental Safety Committee.
-Review and approved by the EHS Manager.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

Currently the facility has a Spill Prevention, Control and Countermeasure Plan (SPCC Plan) that is maintained, updated and in compliance with the EPA SPCC Rules. The facility is part of the Underground Injection Control (UIC) Program and is in the process of completing the UIC permit application.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

Currently the groundwater is not monitored at the site, and no data is available for this facility. There are no drinking water wells in the vicinity, with residences in the area supplied their water from the Putnam Public Service District. The facility is located at an elevation of approximately 620 feet above sea level, 500 feet from the confluence of the Hedrick Branch of Guano Creek and Guano Creek. Data from several creek samples collected near the facility are attached. Groundwater in the vicinity is reported to occur at a depth between 50 and 150 fbg.

6. Provide a statement that no waste material will be used for deicing or fill material on the property unless allowed by another rule.

No material waste generated at the site is used for deicing or fill.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

All employees are trained and instructed in groundwater protection. The staff is required to read and review the GPP and sign a statement stating they acknowledge their role in protecting the groundwater from on-site contaminants. The staff receives yearly training teaching them specific prevention measures and cleanup procedures and to recognizing potential groundwater contaminants. They are taught to respond to spills and notify personnel as well as document any issues. They are informed that part of their duty is the protection of groundwater, a resource which, by law, must be protected.

8. Include provisions for inspections of all GPP elements and equipment. Inspections must be made quarterly at a minimum.

Quarterly inspections are performed by facility personnel to ensure that all elements and equipment of the site's groundwater protection program are in place, properly functioning and appropriately managed. All steel tanks and pipelines are visually inspected for signs of water, debris, or fire hazard and free of visible signs of leakage. The tank exterior and pipeline exterior is checked for signs of weathering or damage or leaks. All valves are checked to make sure they are operable, in a closed position, not leaking and locked. All liquid level gauges are verified to be readable and in good condition. Secondary containment is checked to be in good condition and drained.

Signature:

Date: June 6, 2014

Addendum to Cabot UIC Permit Application 2D0791452 – Cabot #100

This addendum is presented to provide data and additional information requested in the DEP letter dated August 5, 2014 regarding the above reference injection well permit application. The information is presented according to the permit application section. New and revised submittals are included as addendum s for each section.

1. Section 6 – Construction

The layout of the injection facility with dimensions and depths of containment is included in the Section 6 Addendum. Calculations of the containment area are also presented in the Section 6 Addendum. The containment provides more than 300% of the volume of the largest tank.

There are no drinking water wells within the AOR and no fresh water was encountered during the drilling of the injection well. Based on this information there are no USDW in the AOR.

2. Section 7 – Area of Review

Appendix C has been updated to reflect that well 47-079-00408 is plugged.

Well 47-079-01286 is outside the AOR and has been removed from Appendix C. An updated copy of Appendix C can be found in the Section 7 Addendum.

Samples were recollected at three locations (Creek-4-1, Creek-6-1, and Creek-7-1). Creek-1-1 was not required to be re-sampled per discussions with Mr. Tom Bass of the DEP. A revised Appendix E and the laboratory reports are included in the Section 7 Addendum. No compounds were detected in any of the trip blanks and the data is within all the required QA/QC parameters.

3. Section 8 – Geological Data on Injection and Confining Zone

Previously included were the Thickness Isopach Map for the Big Injun Sandstone (Figure 6) and Structure contour map of top of Big Injun Sandstone (Figure 7). Added to this is the Top of the Big Lime Structure Map (Figure 19) and the Thickness Isopach Map for the Big Lime (Figure 20). As addressed with Mr. Zachary Stevison, there is no structure map or thickness map of the lower confining layer, the Weir Shale, as this was below the pay zone of the wells in the area. Figures 5-9 referenced in the following paragraph are the figures from the original permit application. The new figures (Figure 18, Figure 19, and Figure 20) are in the Section 8 Addendum.

Primary porosity in the Big Injun Sandstone is depositional as well as intergranular because of the angular nature of the sand grains. According to the Volumetric Calculation Sheet (Figure 5) for the Big Injun Sandstone, porosity percentage in the formation averages around 20%. Permeability, Hydraulic Conductivity and Transmissivity in the Big Injun Sandstone was calculated by using the aquifer modeling software Aqtesolv and Mechanical Integrity Test (step test) performed by Schlumberger on January 20, 2014 (Figure 18). Transmissivity is in the 2 to 8 $x10^{-6}$ m/s range giving a Hydraulic Conductivity of 2 to 8 $x10^{-7}$ m/s and a permeability around $5x10^{-14}$ m^2 in the Big Injun Sandstone. The Big Injun Sandstone thickness is reported to be over

40 feet thick in the Cabot #100 Injection well. According to the Isopach map (Figure 6), the surrounding wells have a thickness of between 40-50 feet, with the thickness not varying greatly locally or regionally. The structure map contouring the top of the Big Injun Sandstone (Figure 7) depicts the formation as mostly flat lying, with a slight dip to the northeast. The seismic line (Figure 8), crossing the well from north to south, also depicts the Big Injun Sandstone as being flat lying with no noticeable faulting present. Again, the seismic line depicts the Big Injun Sandstone dipping shallowly to the north. The generated Seismic base map (Figure 9) also depicts the Big Injun Sandstone dipping to the northeast with no noticeable faulting present.

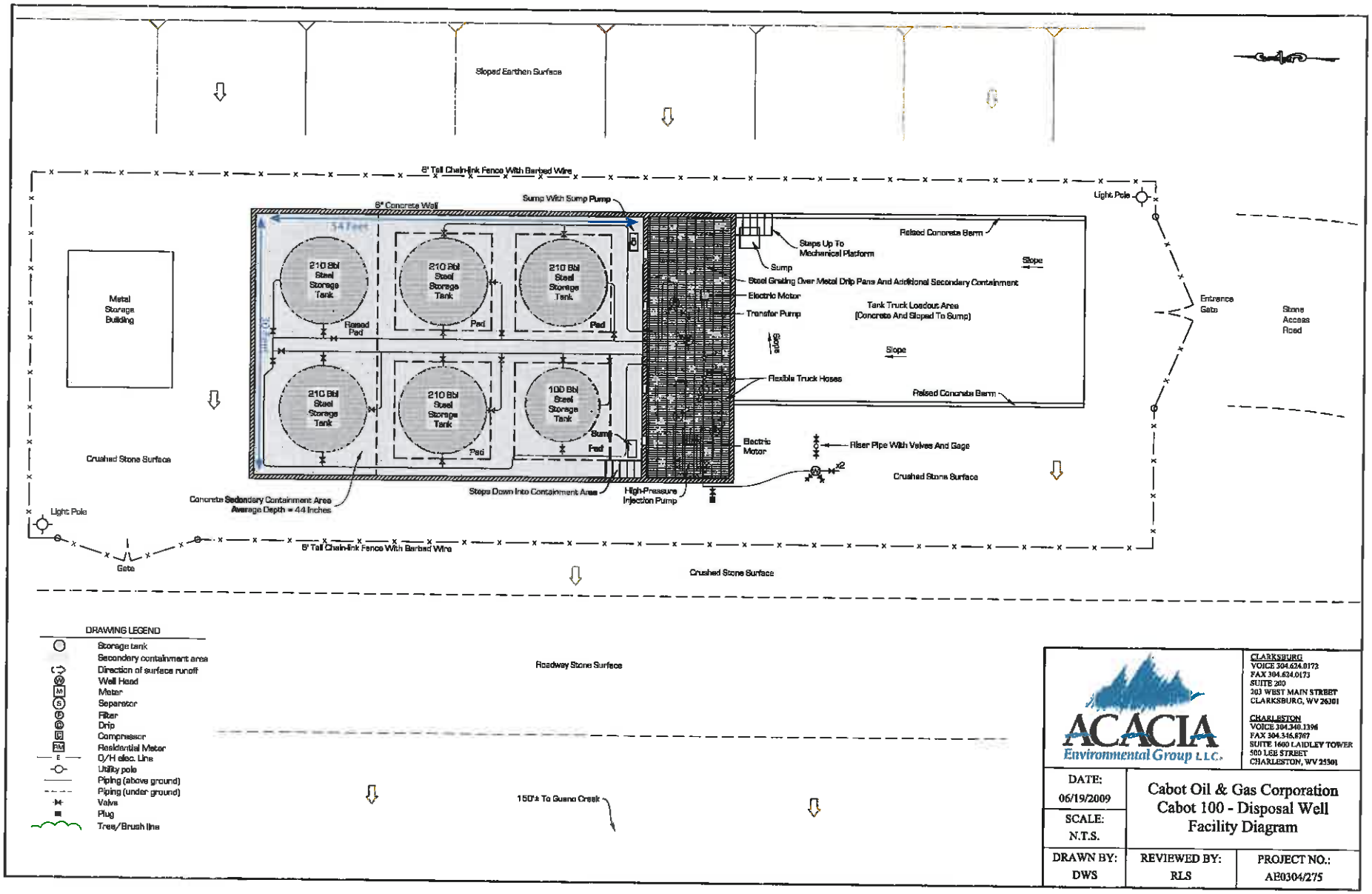
The depth to water was measured in the Cabot 100 on October 7, 2014 and was determined to be 100 feet below grade or 541.52 feet AMSL. Using the specific gravity that was measured below, this corresponds to a formation pressure of 840 psi.

The specific gravity of the injection fluid is 1.127. The laboratory data is in the Section 8 Addendum.

4. Section 9 – Operating Requirements/Data

The operators will measure the pressure on the injection casing and the 4 ½" x 7" annulus before every injection event (before they manually turn on the injection pump) and during the injection. If there is casing damage, packer failure, or perforations in the casing, the pressure in the annulus will increase noticeably. This data will be recorded in a log as part of the operating procedures for the injection well and will be used to verify the integrity of the injection well.

SECTION 6 ADDENDUM


Sloped Earthen Surface
6' Tall Chain-link Fence With Barbed Wire
8" Concrete Wall
Sump With Sump Pump
Light Pole
Metal Storage Building
210 Bbl Steel Storage Tank
210 Bbl Steel Storage Tank
210 Bbl Steel Storage Tank
210 Bbl Steel Storage Tank
210 Bbl Steel Storage Tank
100 Bbl Steel Storage Tank
Reseed Pad
Pad
Pad
Pad
Pad
Sump
Steps Up To Mechanical Platform
Sump
Raised Concrete Berm
Slope
Steel Grating Over Metal Drip Pans And Additional Secondary Containment
Electric Motor
Transfer Pump
Tank Truck Loadout Area (Concrete And Sloped To Sump)
Slope
Slope
Flexible Truck Hoses
Raised Concrete Berm
Entrance Gate
Stone Access Road
Crushed Stone Surface
Electric Motor
Riser Pipe With Valves And Gage
Crushed Stone Surface
Concrete Secondary Containment Area
Average Depth = 44 Inches
Steps Down Into Containment Area
High-Pressure Injection Pump
Light Pole
6' Tall Chain-link Fence With Barbed Wire
Gate
Crushed Stone Surface
DRAWING LEGEND
Storage tank
Secondary containment area
Direction of surface runoff
Well Head
Meter
Separator
Filter
Drip
Compressor
Residential Meter
O/H elec. Line
Utility pole
Piping (above ground)
Piping (under ground)
Valve
Plug
Tree/Brush line
Roadway Stone Surface
150'± To Guano Creek
ACACIA Environmental Group LLC.
CLARKSBURG
VOICE 304.624.0172
FAX 304.624.0173
SUITE 200
203 WEST MAIN STREET
CLARKSBURG, WV 26301
CHARLESTON
VOICE 304.340.1396
FAX 304.346.8767
SUITE 1600 LAIDLEY TOWER
500 LEE STREET
CHARLESTON, WV 25301
DATE: 06/19/2009
SCALE: N.T.S.
Cabot Oil & Gas Corporation
Cabot 100 - Disposal Well
Facility Diagram
DRAWN BY: DWS
REVIEWED BY: RLS
PROJECT NO.: AE0304/275

SECONDARY CONTAINMENT CALCULATIONS

Facility Name: Cabot 100 Disposal Well

Containment Area Dimensions:

Top Length =	54	Feet			
Top Width =	30	Feet	Area Top SCA=	1,620.00	Sq. Ft.
Bottom Length =	54	Feet	Area Bottom SCA=	1,620.00	Sq. Ft.
Bottom Width =	30	Feet	Average Area =	1,620.00	Sq. Ft.

Embankment Height at Lowest Point = 3.625 Feet

Raised Pad Within Containment Area			**Dimensions of Largest Tank:**		
Top (Area) =	144	Sq. Ft.	Diameter =	10	Feet
Bottom (Area) =	144	Sq. Ft.	Height =	15	Feet
Height (Pad) =	2	Feet	Capacity =	8,820	Gallons

Number of tanks located within secondary containment: 6

Secondary Containment Calculations:

C_1 = Calculated capacity inside of berm:	43,929.24	Gallons	1,045.93	Bbl
C_2 = Calculated capacity of extra tanks to berm height:	10,648.77	Gallons	253.54	Bbl
C_3 = Displacement capacity of pad to berm height:	2,154.38	Gallons	51.29	Bbl
Secondary Containment = $C_1 - C_2 - C_3$:	31,126.09	Gallons	741.10	Bbl
Capacity of largest Tank:	8,820	Gallons	210	Bbl

Secondary containment / Capacity of largest Tank = 3.53*

*** MUST BE EQUAL TO OR GREATER THAN 1.1**

SCA Computation Sheet 2

SECTION 7 ADDENDUM

APPENDIX C

Wells within the Area of Review

API #	Well Type	Well Status (Active, Abandoned, Shut-in, Plugged)	Northing (UTM NAD 83 Meters)	Easting (UTM NAD 83 Meters)	Penetrate Injection Zone (Y or N)	Penetrate Confining Zone (Y or N)	Total Vertical Depth	Surface Elevation
47079004080000	Gas	Plugged	4264730.16799157	427034.318617142	Y	Y	4208	611
47079013220000	Gas	Active	4265222.56858959	427069.919315938	Y	Y	4383	995

Make as many copies as necessary and include page numbers as appropriate.

Promoting a healthy environment.

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APPENDIX E
Water Sources

Operator: Cabot Oil & Gas Corporation Year 2014 UIC Permit # 2D0791452

		Source # 1	Source # 2	Source # 3	Source # ___
Water Source Name		Creek-4-1	Creek-6-1	Creek-7-1	
Northing		4264966.45	4264778.1	4264684.76	
Easting		426801.11	427011.22	426902.27	
Parameter	Units				
TPH - GRO	mg/L	< 0.02	< 0.02	< 0.02	
TPH - DRO	mg/L	< 0.049	< 0.049	< 0.048	
TPH - ORO	mg/L	< 0.049	< 0.049	< 0.048	
BTEX	mg/L	< 0.0008, < 0.0009	< 0.0008, < 0.0009	< 0.0008, < 0.0009	
Chloride	mg/L	6.3	9.2	7.5	
Sodium	mg/L	9.48	12.5	9.36	
Total Dissolved Solids (TDS)	mg/L	131	217	197	
Aluminum	mg/L	0.0258 J	0.0885 J	0.682	
Arsenic	mg/L	< 0.00082	< 0.00082	0.0012 J	
Barium	mg/L	0.0603	0.0739	0.0891	
Iron	mg/L	< 0.0334	0.12 J	0.691	
Manganese	mg/L	0.0116	0.239	1.4	
pH	SU	6.95	6.89	7.16	
Calcium	mg/L	32.9	54.8	53.4	
Sulfate	mg/L	10.9	42.6	15	
MBAS	mg/L	< 0.04	< 0.04	< 0.04	
Dissolved Methane	mg/L	< 0.003	0.018	0.032	
Dissolved Ethane	mg/L	< 0.001	< 0.001	< 0.001	
Dissolved Butane	mg/L	< 0.001	< 0.001	< 0.001	
Dissolved Propane	mg/L	< 0.001	< 0.001	< 0.001	
Bacteria (Total Coliform)	c/100mL	> 200.5	> 200.5	> 200.5	

Promoting a healthy environment.

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

October 01, 2014

Project: Cabot WV UIC - Cabot 100

Submittal Date: 09/20/2014
Group Number: 1504905
PO Number: -
State of Sample Origin: WV

Client Sample Description	Lancaster Labs (LL) #
08-176-1-0000 Creek-4-1 Grab	7607689
08-176-1-0000 Creek-6-1 Grab	7607690
08-176-1-0000 Creek-7-1 Grab	7607691
Trip Blank 2014.09.19 Trip Blank	7607692

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Cabot Oil & Gas Corporation	Attn: Phillip Levasseur
ELECTRONIC COPY TO	Eurofins Lancaster Labs Env	Attn: Lyssa Longenecker

Respectfully Submitted,

Lyssa M. Longenecker

Lyssa M. Longenecker
Specialist

(717) 556-7321

Project Name: Cabot WV UIC - Cabot 100
LL Group #: 1504905

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

No additional comments are necessary.

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Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: 08-176-1-0000 Creek-4-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607689
LL Group # 1504905
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 13:45 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:02

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

CRK41

CAT No.	Analysis Name		CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		**EPA 624**		**ug/l**		**ug/l**	**ug/l**	
10371	Benzene		71-43-2	0.9	U	0.9	5	1
10371	Ethylbenzene		100-41-4	0.8	U	0.8	5	1
10371	Toluene		108-88-3	0.8	U	0.8	5	1
10371	Xylene (total)		1330-20-7	0.9	U	0.9	5	1
GC Miscellaneous		**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	n-butane		106-97-8	1.0	U	1.0	5.0	1
07105	Ethane		74-84-0	1.0	U	1.0	5.0	1
07105	Methane		74-82-8	3.0	U	3.0	5.0	1
07105	Propane		74-98-6	1.0	U	1.0	5.0	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M142662AA	09/24/2014 14:32	Linda C Pape	1
07105	Dissolved Gases	RSKSOP-175 modified	1	142720026A	09/29/2014 23:39	Elizabeth J Marin	1

*=This limit was used in the evaluation of the final result

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Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 08-176-1-0000 Creek-6-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607690
LL Group # 1504905
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 14:35 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:02

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

CRK61

CAT No.	Analysis Name		CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		**EPA 624**		ug/l		ug/l	ug/l	
10371	Benzene		71-43-2	0.9	U	0.9	5	1
10371	Ethylbenzene		100-41-4	0.8	U	0.8	5	1
10371	Toluene		108-88-3	0.8	U	0.8	5	1
10371	Xylene (total)		1330-20-7	0.9	U	0.9	5	1
GC Miscellaneous		**RSKSOP-175 modified**		ug/l		ug/l	ug/l	
07105	n-butane		106-97-8	1.0	U	1.0	5.0	1
07105	Ethane		74-84-0	1.0	U	1.0	5.0	1
07105	Methane		74-82-8	18		3.0	5.0	1
07105	Propane		74-98-6	1.0	U	1.0	5.0	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M142662AA	09/24/2014 14:57	Linda C Pape	1
07105	Dissolved Gases	RSKSOP-175 modified	1	142720026A	09/30/2014 00:34	Elizabeth J Marin	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: 08-176-1-0000 Creek-7-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607691
LL Group # 1504905
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 15:30 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:02

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

CRK71

CAT No.	Analysis Name		CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		**EPA 624**		ug/l		ug/l	ug/l	
10371	Benzene		71-43-2	0.9	U	0.9	5	1
10371	Ethylbenzene		100-41-4	0.8	U	0.8	5	1
10371	Toluene		108-88-3	0.8	U	0.8	5	1
10371	Xylene (total)		1330-20-7	0.9	U	0.9	5	1
GC Miscellaneous		**RSKSOP-175 modified**		ug/l		ug/l	ug/l	
07105	n-butane		106-97-8	1.0	U	1.0	5.0	1
07105	Ethane		74-84-0	1.0	U	1.0	5.0	1
07105	Methane		74-82-8	32		3.0	5.0	1
07105	Propane		74-98-6	1.0	U	1.0	5.0	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M142662AA	09/24/2014 15:22	Linda C Pape	1
07105	Dissolved Gases	RSKSOP-175 modified	1	142720026A	09/30/2014 00:52	Elizabeth J Marin	1

*=This limit was used in the evaluation of the final result

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Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: Trip Blank 2014.09.19 Trip Blank
Water - Residential
Cabot WV UIC - Cabot 100

LL Sample # WW 7607692
LL Group # 1504905
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:02

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

CRKTB

CAT No.	Analysis Name		CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles		**EPA 624**		ug/l		ug/l	ug/l	
10371	Benzene		71-43-2	0.9	U	0.9	5	1
10371	Ethylbenzene		100-41-4	0.8	U	0.8	5	1
10371	Toluene		108-88-3	0.8	U	0.8	5	1
10371	Xylene (total)		1330-20-7	0.9	U	0.9	5	1
GC Miscellaneous		**RSKSOP-175 modified**		ug/l		ug/l	ug/l	
07105	n-butane		106-97-8	1.0	U	1.0	5.0	1
07105	Ethane		74-84-0	1.0	U	1.0	5.0	1
07105	Methane		74-82-8	3.0	U	3.0	5.0	1
07105	Propane		74-98-6	1.0	U	1.0	5.0	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	M142662AA	09/24/2014 15:47	Linda C Pape	1
07105	Dissolved Gases	RSKSOP-175 modified	1	142720026A	09/29/2014 23:02	Elizabeth J Marin	1

*=This limit was used in the evaluation of the final result

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:02 PM

Group Number: 1504905

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: M142662AA	Sample number(s): 7607689-7607692									
Benzene	0.9	U	0.9	5	ug/l	95	96	80-120	1	30
Ethylbenzene	0.8	U	0.8	5	ug/l	97	98	80-120	1	30
Toluene	0.8	U	0.8	5	ug/l	99	98	80-120	0	30
Xylene (total)	0.9	U	0.9	5	ug/l	99	101	80-120	2	30
Batch number: 142720026A	Sample number(s): 7607689-7607692									
n-butane	1.0	U	1.0	5.0	ug/l	113		79-124		
Ethane	1.0	U	1.0	5.0	ug/l	106		85-115		
Methane	3.0	U	3.0	5.0	ug/l	110		85-115		
Propane	1.0	U	1.0	5.0	ug/l	107		81-115		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 142720026A	Sample number(s): 7607689-7607692 UNSPK: 7607689								
n-butane	89	80	55-115	11	20				
Ethane	86	82	53-122	5	20				
Methane	88	86	46-129	3	20				
Propane	89	82	36-119	8	20				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624
Batch number: M142662AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
7607689	104	92	93
7607690	100	92	92
7607691	104	92	92
7607692	102	93	93
Blank	102	92	93

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:02 PM

Group Number: 1504905

Surrogate Quality Control

LCS	96	97	100
LCSD	95	97	101
Limits:	78-118	88-107	80-118

Analysis Name: Dissolved Gases
Batch number: 142720026A

	Propene
7607689	88
7607690	83
7607691	78
7607692	88
Blank	105
LCS	102
MS	80
MSD	73
Limits:	47-116

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Revised COC received 9/29/14 per E. Saturday. LML 9/29/14

Eurofins Lancaster Laboratories Environmental, LLC.

Analysis Request / Environmental Services Chain of Custody

Address: A 13244 Group # 1504905 Sample #s: 7607689-92 Telephone Fax:

Client: Cabot Oil & Gas Corporation

Project Name: Cabot WV UIC - Cabot 100

Project Manager: Phillip Levasseur | COG Category Code: 033-11R

Consultant: SLR International Corporation | Location#: [redacted] if

Technician: Ethan Saturday | Parameter Suite:

State: WV | County: Clay | Twp./Range: | Lizemore

Analyses Requested / Preservation Codes

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

Comments: Metals: Cr, Fe, Mg, K, Na, Al, As, Ba, Cd, Cr, Pb, Mn, Se, Sr, Li, Zn

9-24-14

Entry #	Facility ID/TXMPID	Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable o NPDES	Other	Total # of Containers	BTEX by 624	Dissolved Gases (methane, ethane, butane, propane)	Remarks	Sample Location	Landowner Name	Address
1	08-176-1-0000	Creek-4-1	9/19/2014	13:45	X			GW		6	4	2		Creek	Amherst Industries INC	Bancroft, WV
2	08-176-1-0000	Creek-6-1	9/19/2014	14:35	X			GW		6	4	2		Creek	Amherst Industries INC	Bancroft, WV
3	08-176-1-0000	Creek-7-1	9/19/2014	15:30	X			GW		6	4	2		Creek	Amherst Industries INC	Bancroft, WV
4	Trip Blank 2014.09.19	N/A						GW		4	2	2				
5																
6																
7																
8																
9																
10																

FOR INTERNAL PURPOSES ONLY:

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to laboratory approval and surcharge.)
Date Results are needed: _____
Rush results requested by (please circle): Phone Fax Email
Phone #: _____ Fax#: _____
Email address: _____

Data Package Options (please circle if required)
Type I (validation/NJ Reg) Type IV (CLP SOW)
Type II (Tier II) Type VI (Raw Data)
Type III (Reduced NJ)

SDG Complete? Yes No

TX TRRP-13 MA MCP CT RCP

Site-specific QC Required (MS/MSD/DUP)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody Required? Yes No

Relinquished by (Print and Sign):	Date	Time	Received by (Print and Sign):	Date	Time
Ethan Saturday [signature]	9/19/14	18:00			
			[signature] Carolyn Pyles	9/20/14	0900

Project Notes & Special Instructions:

This COC is being amendeded to remove the presence of metals in the comments box as there was no metals analysis.

9-24-14
[signature]
Ethan Saturday

[signature] 9/20/14 ①

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Sample Administration Receipt Documentation Log

Doc Log ID: 29976

Group Number(s): 1504905

Client: Cabot

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	09/20/2014 9:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	WV		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	2
Custody Seal Present:	Yes	Trip Blank Type:	HCl
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Carolyn Cyms (964) at 09:14 on 09/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.3	DT	Wet	Y	Loose/Bag	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

October 03, 2014

Project: Cabot WV UIC - Cabot 100

Submittal Date: 09/20/2014
Group Number: 1504907
PO Number: -
State of Sample Origin: WV

Client Sample Description	Lancaster Labs (LL) #
08-176-1-0000 Creek-4-1 Grab	7607695

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Cabot Oil & Gas Corporation	Attn: Phillip Levasseur
ELECTRONIC COPY TO	Eurofins Lancaster Labs Env	Attn: Lyssa Longenecker

Respectfully Submitted,

Lyssa M. Longenecker

Lyssa M. Longenecker
Specialist

(717) 556-7321

Project Name: Cabot WV UIC - Cabot 100
LL Group #: 1504907

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

EPA 200.7 rev 4.4, Metals

Batch #: 142665716001 (Sample number(s): 7607695 UNSPK: 7607695 BKG: 7607695)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Calcium

SM 2540 C-1997, Wet Chemistry

Batch #: 14267021202B (Sample number(s): 7607695 UNSPK: P610711 BKG: P608450, P610711)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Total Dissolved Solids

SM 9223 B-1997, Microbiology

Sample #s: 7607695

Total Coliform	> 200.5	/100ml
E. coli	20.7	/100ml

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Analysis Report

Sample Description: 08-176-1-0000 Creek-4-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607695
LL Group # 1504907
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 13:45 by ES

Submitted: 09/20/2014 09:00
Reported: 10/03/2014 14:08

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

41CR-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	20 U	20	50	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		**mg/l**	**mg/l**	**mg/l**	
02740	C10-C28	n.a.	0.049 U	0.049	0.098	1
02740	C24-C40	n.a.	0.049 U	0.049	0.098	1
02740	Total TPH (C10-C40)	n.a.	0.049 U	0.049	0.098	1
Metals	**EPA 200.7 rev 4.4**		**mg/l**	**mg/l**	**mg/l**	
01750	Calcium	7440-70-2	32.9	0.0334	0.200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.200	1
01767	Sodium	7440-23-5	9.48	0.167	1.00	1
	EPA 200.8 rev 5.4		**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	0.0258 J	0.0082	0.100	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0020	1
06026	Barium	7440-39-3	0.0603	0.00058	0.0020	1
06037	Manganese	7439-96-5	0.0116	0.00055	0.0020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	6.3	0.40	0.80	2
00228	Sulfate	14808-79-8	10.9	0.30	1.0	1
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	131	9.7	30.0	1
	SM 5540 C-2000		**mg/l LAS MW 320**	**mg/l LAS MW 320**	**mg/l LAS MW 320**	
00225	M. B. A. S.	n.a.	0.040 U	0.040	0.12	1
Microbiology	**SM 9223 B-1997**		**/100ml**	**/100ml**	**/100ml**	
08161	Tot Coli/E. coli (Quanti-tray)	n.a.	See Below			n.a.
	Total Coliform	> 200.5	/100ml			
	E. coli	20.7	/100ml			

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: 08-176-1-0000 Creek-4-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607695
LL Group # 1504907
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 13:45 by ES

Submitted: 09/20/2014 09:00
Reported: 10/03/2014 14:08

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

41CR-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01635	TPH-GRO water C6-C10	SW-846 8015B modified	1	14266A20A	09/24/2014	13:58	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14266A20A	09/24/2014	13:58	Miranda P Tillinghast	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	142670014A	09/25/2014	16:39	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	142670014A	09/24/2014	18:00	Samantha L Bronder	1
01750	Calcium	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	10:22	Eric L Eby	1
01754	Iron	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	10:22	Eric L Eby	1
01767	Sodium	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	10:22	Eric L Eby	1
06023	Aluminum	EPA 200.8 rev 5.4	1	142667050001A	09/25/2014	07:47	Choon Y Tian	1
06025	Arsenic	EPA 200.8 rev 5.4	1	142667050001A	09/25/2014	07:47	Choon Y Tian	1
06026	Barium	EPA 200.8 rev 5.4	1	142667050001D	09/25/2014	07:47	Choon Y Tian	1
06037	Manganese	EPA 200.8 rev 5.4	1	142727050001A	09/30/2014	05:26	Choon Y Tian	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	142665716001	09/24/2014	07:53	James L Mertz	1
07050	ICP/MS EPA-600 Digest	EPA 200.8 rev 5.4	1	142667050001	09/24/2014	07:54	James L Mertz	1
07050	ICP/MS EPA-600 Digest	EPA 200.8 rev 5.4	2	142727050001	09/29/2014	21:00	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14267987131A	09/25/2014	20:40	Clinton M Wilson	2
00228	Sulfate	EPA 300.0	1	14267987131A	09/25/2014	02:07	Clinton M Wilson	1
00212	Total Dissolved Solids	SM 2540 C-1997	1	14267021202B	09/24/2014	08:17	Noah M Rainbow	1
00225	M. B. A. S.	SM 5540 C-2000	1	14263022501A	09/20/2014	08:25	Noah M Rainbow	1
08161	Tot Coli/E. coli (Quanti-tray)	SM 9223 B-1997	1	092014KNC	09/21/2014	10:25	Katlin N Cataldi	n.a.

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/03/14 at 02:08 PM

Group Number: 1504907

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14266A20A	Sample number(s): 7607695								
TPH-GRO water C6-C10	20 U	20.	100	ug/l	96	98	80-129	2	30
Batch number: 142670014A	Sample number(s): 7607695								
C10-C28	0.050 U	0.050	0.20	mg/l					
C24-C40	0.050 U	0.050	0.20	mg/l					
Total TPH (C10-C40)	0.050 U	0.050	0.20	mg/l	68	78	52-120	14	20
Batch number: 142665716001	Sample number(s): 7607695								
Calcium	0.0334 U	0.0334	0.200	mg/l	103		90-110		
Iron	0.0334 U	0.0334	0.200	mg/l	101		90-110		
Sodium	0.167 U	0.167	1.00	mg/l	104		90-110		
Batch number: 142667050001A	Sample number(s): 7607695								
Aluminum	0.0082 U	0.0082	0.100	mg/l	98		85-115		
Arsenic	0.00082 U	0.00082	0.0020	mg/l	103		85-115		
Batch number: 142667050001D	Sample number(s): 7607695								
Barium	0.00058 U	0.00058	0.0020	mg/l	98		85-115		
Batch number: 142727050001A	Sample number(s): 7607695								
Manganese	0.00055 U	0.00055	0.0020	mg/l	104	106	85-115	3	20
Batch number: 14267987131A	Sample number(s): 7607695								
Chloride	0.20 U	0.20	0.40	mg/l	98	97	90-110	0	20
Sulfate	0.30 U	0.30	1.0	mg/l	93	93	90-110	0	20
Batch number: 14263022501A	Sample number(s): 7607695								
M. B. A. S.	0.040 U	0.040	0.12	mg/l LAS MW 320	99		88-114		
Batch number: 14267021202B	Sample number(s): 7607695								
Total Dissolved Solids	9.7 U	9.7	30.0	mg/l	101	101	80-120	0	9

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/03/14 at 02:08 PM

Group Number: 1504907

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 142665716001	Sample number(s): 7607695			UNSPK: 7607695		BKG: 7607695			
Calcium	88 (2)	70 (2)	80-120	2	20	32.9	32.6	1	20
Iron	105	104	80-120	1	20	0.0334 U	0.0334 U	0 (1)	20
Sodium	100	98	84-117	1	20	9.48	9.41	1	20
Batch number: 142667050001A	Sample number(s): 7607695			UNSPK: P607699		BKG: P607699			
Aluminum	112	110	83-113	1	20	0.682	0.665	3	20
Arsenic	99	99	70-130	0	20	0.0012 J	0.0012 J	8 (1)	20
Batch number: 142667050001D	Sample number(s): 7607695			UNSPK: P607699		BKG: P607699			
Barium	100	109	75-130	3	20	0.0891	0.0947	6	20
Batch number: 14267987131A	Sample number(s): 7607695			UNSPK: 7607695		BKG: 7607695			
Chloride	104		90-110			6.3	6.4	1	20
Sulfate	95		90-110			10.9	10.9	0	20
Batch number: 14263022501A	Sample number(s): 7607695			UNSPK: P605793		BKG: P605793			
M. B. A. S.	107	108	78-122	0	11	0.040 U	0.040 U	0 (1)	18
Batch number: 14267021202B	Sample number(s): 7607695			UNSPK: P610711		BKG: P608450			
Total Dissolved Solids	102		66-131			460	407	12*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO water C6-C10
Batch number: 14266A20A

	Trifluorotoluene-F
7607695	80
Blank	81
LCS	78
LCSD	83
Limits:	63-135

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 142670014A

	Chlorobenzene	Orthoterphenyl
7607695	72	76
Blank	73	75
LCS	65	72
LCSD	84	81
Limits:	35-135	48-122

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Eurofins Lancaster Laboratories Environmental, LLC.

Analysis Request / Environmental Services Chain of Custody

Acct: 13294 Group # 1504907 Sample #s: 7607695 COC#: 1 of 1

Client: Cabot Oil & Gas Corporation

Project Name:	Cabot WV UIC - Cabot 100	Acct#: 13294	Parameter Suite # #N/A
		Category Code: 033-11R	
Project Manager: Phillip Levasseur		WPFID#:	
Technician:	Ethan Saturday	FS Co.: SLR International Corp.	
State: WV	County: Putnam	Twp: Bancroft	
TXMPID#:	08-176-1-0000		
Equipment ID:	API #:		

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Other	Total # of Containers	TDS, MBAS	Metals (N)	Total Coliform/E. Coli (T)	TPH-GRO water C6-C10 (H)	TPH DRO, TPH ORO	Chloride, Sulfate	Temperature of samples upon receipt (if requested)	Remarks:
Creek-4-1	9/19/2014	13:45	X			X		10	1	1	1	3	2	2		

Preservation Codes: H=HCl T=Thiosulfate N=HNO_3 B=NaOH S=H_2SO_4 O=Other

Comments: Metals: Ca, Fe, Mn, Na, Al, As, Ba

FOR INTERNAL PURPOSES ONLY:

Sample Location On Shore of River/Brook/Stream/Creek

Land Owner Name: Amherst Industries INC **Address:** , ,

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to laboratory approval and surcharge.)
Date Results are needed: _____
Rush results requested by (please circle): Phone Fax Email
Phone #: _____ Fax#: _____
Email address: _____

Data Package Options (please circle if required)
Type I (validation/NJ Reg) Type IV (CLP SOW)
Type II (Tier II) Type VI (Raw Data)
Type III (Reduced NJ)

SDG Complete? Yes No

TX TRRP-13
MA MCP
CT RCP

Site-specific QC Required (MS/MSD/DUP)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody Required? Yes No

Relinquished by (Print and Sign):	Date	Time	Received by (Print and Sign):	Date	Time
Ethan Saturday	9/19/14	18:00			
			Carolyn Lyons	9/20/14	0900

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Sample Administration Receipt Documentation Log

Doc Log ID: 29977

Group Number(s): 1504907

Client: Cabot

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	09/20/2014 9:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	WV		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	2
Custody Seal Present:	Yes	Trip Blank Type:	HCl
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Carolyn Cyms (964) at 09:21 on 09/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.3	DT	Wet	Y	Loose/Bag	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

October 01, 2014

Project: Cabot WV UIC - Cabot 100

Submittal Date: 09/20/2014
Group Number: 1504909
PO Number: -
State of Sample Origin: WV

Client Sample Description	Lancaster Labs (LL) #
08-176-1-0000 Creek-6-1 Grab	7607698

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Cabot Oil & Gas Corporation	Attn: Phillip Levasseur
ELECTRONIC COPY TO	Eurofins Lancaster Labs Env	Attn: Lyssa Longenecker

Respectfully Submitted,

Lyssa M. Longenecker

Lyssa M. Longenecker
Specialist

(717) 556-7321

Project Name: Cabot WV UIC - Cabot 100
LL Group #: 1504909

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

EPA 200.7 rev 4.4, Metals

Batch #: 142665716001 (Sample number(s): 7607698 UNSPK: P607695 BKG: P607695)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Calcium

EPA 200.8 rev 5.4, Metals

Batch #: 142667050001A (Sample number(s): 7607698 UNSPK: P607699 BKG: P607699)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Manganese

SM 2540 C-1997, Wet Chemistry

Batch #: 14267021202B (Sample number(s): 7607698 UNSPK: P610711 BKG: P608450, P610711)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Total Dissolved Solids

SM 9223 B-1997, Microbiology

Sample #s: 7607698

Total Coliform	> 200.5	/100ml
E. coli	15.0	/100ml

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Analysis Report

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Sample Description: 08-176-1-0000 Creek-6-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607698
LL Group # 1504909
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 14:35 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:03

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

61-CR

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8015B modified**		ug/l	ug/l	ug/l	
01635	TPH-GRO water C6-C10	n.a.	20 U	20	50	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	mg/l	
02740	C10-C28	n.a.	0.049 U	0.049	0.097	1
02740	C24-C40	n.a.	0.049 U	0.049	0.097	1
02740	Total TPH (C10-C40)	n.a.	0.049 U	0.049	0.097	1
Metals	**EPA 200.7 rev 4.4**		mg/l	mg/l	mg/l	
01750	Calcium	7440-70-2	54.8	0.0334	0.200	1
01754	Iron	7439-89-6	0.120 J	0.0334	0.200	1
01767	Sodium	7440-23-5	12.5	0.167	1.00	1
	EPA 200.8 rev 5.4		mg/l	mg/l	mg/l	
06023	Aluminum	7429-90-5	0.0885 J	0.0082	0.100	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0020	1
06026	Barium	7440-39-3	0.0739	0.00058	0.0020	1
06037	Manganese	7439-96-5	0.239	0.00055	0.0020	1
Wet Chemistry	**EPA 300.0**		mg/l	mg/l	mg/l	
00224	Chloride	16887-00-6	9.2	1.0	2.0	5
00228	Sulfate	14808-79-8	42.6	1.5	5.0	5
	SM 2540 C-1997		mg/l	mg/l	mg/l	
00212	Total Dissolved Solids	n.a.	217	9.7	30.0	1
	SM 5540 C-2000		mg/l LAS MW 320	mg/l LAS MW 320	mg/l LAS MW 320	
00225	M. B. A. S.	n.a.	0.040 U	0.040	0.12	1
Microbiology	**SM 9223 B-1997**		/100ml	/100ml	/100ml	
08161	Tot Coli/E. coli (Quanti-tray)	n.a.	See Below			n.a.
	Total Coliform	> 200.5	/100ml			
	E. coli	15.0	/100ml			

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

*=This limit was used in the evaluation of the final result

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Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 08-176-1-0000 Creek-6-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607698
LL Group # 1504909
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 14:35 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:03

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

61-CR

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01635	TPH-GRO water C6-C10	SW-846 8015B modified	1	14266A20A	09/24/2014	14:20	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14266A20A	09/24/2014	14:20	Miranda P Tillinghast	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	142670014A	09/25/2014	17:01	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	142670014A	09/24/2014	18:00	Samantha L Bronder	1
01750	Calcium	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	11:01	Eric L Eby	1
01754	Iron	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	11:01	Eric L Eby	1
01767	Sodium	EPA 200.7 rev 4.4	1	142665716001	09/25/2014	11:01	Eric L Eby	1
06023	Aluminum	EPA 200.8 rev 5.4	1	142667050001A	09/25/2014	07:49	Choon Y Tian	1
06025	Arsenic	EPA 200.8 rev 5.4	1	142667050001A	09/25/2014	07:49	Choon Y Tian	1
06026	Barium	EPA 200.8 rev 5.4	1	142667050001D	09/25/2014	07:49	Choon Y Tian	1
06037	Manganese	EPA 200.8 rev 5.4	1	142667050001A	09/25/2014	07:49	Choon Y Tian	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	142665716001	09/24/2014	07:53	James L Mertz	1
07050	ICP/MS EPA-600 Digest	EPA 200.8 rev 5.4	1	142667050001	09/24/2014	07:54	James L Mertz	1
00224	Chloride	EPA 300.0	1	14267987131A	09/25/2014	22:05	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	14267987131A	09/25/2014	22:05	Clinton M Wilson	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14267021202B	09/24/2014	08:17	Noah M Rainbow	1
00225	M. B. A. S.	SM 5540 C-2000	1	14263022501A	09/20/2014	08:25	Noah M Rainbow	1
08161	Tot Coli/E. coli (Quanti-tray)	SM 9223 B-1997	1	092014KNC	09/21/2014	10:25	Katlin N Cataldi	n.a.

*=This limit was used in the evaluation of the final result

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Analysis Report

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:03 PM

Group Number: 1504909

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14266A20A	Sample number(s): 7607698								
TPH-GRO water C6-C10	20 U	20.	100	ug/l	96	98	80-129	2	30
Batch number: 142670014A	Sample number(s): 7607698								
C10-C28	0.050 U	0.050	0.20	mg/l					
C24-C40	0.050 U	0.050	0.20	mg/l					
Total TPH (C10-C40)	0.050 U	0.050	0.20	mg/l	68	78	52-120	14	20
Batch number: 142665716001	Sample number(s): 7607698								
Calcium	0.0334 U	0.0334	0.200	mg/l	103		90-110		
Iron	0.0334 U	0.0334	0.200	mg/l	101		90-110		
Sodium	0.167 U	0.167	1.00	mg/l	104		90-110		
Batch number: 142667050001A	Sample number(s): 7607698								
Aluminum	0.0082 U	0.0082	0.100	mg/l	98		85-115		
Arsenic	0.00082 U	0.00082	0.0020	mg/l	103		85-115		
Manganese	0.0021	0.00055	0.0020	mg/l	106		85-115		
Batch number: 142667050001D	Sample number(s): 7607698								
Barium	0.00058 U	0.00058	0.0020	mg/l	98		85-115		
Batch number: 14267987131A	Sample number(s): 7607698								
Chloride	0.20 U	0.20	0.40	mg/l	98	97	90-110	0	20
Sulfate	0.30 U	0.30	1.0	mg/l	93	93	90-110	0	20
Batch number: 14263022501A	Sample number(s): 7607698								
M. B. A. S.	0.040 U	0.040	0.12	mg/l LAS MW 320	99		88-114		
Batch number: 14267021202B	Sample number(s): 7607698								
Total Dissolved Solids	9.7 U	9.7	30.0	mg/l	101	101	80-120	0	9

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 142665716001	Sample number(s): 7607698 UNSPK: P607695 BKG: P607695								
Calcium	88 (2)	70 (2)	80-120	2	20	32.9	32.6	1	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:03 PM

Group Number: 1504909

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Iron	105	104	80-120	1	20	0.0334 U	0.0334 U	0 (1)	20
Sodium	100	98	84-117	1	20	9.48	9.41	1	20
Batch number: 142667050001A	Sample number(s): 7607698 UNSPK: P607699 BKG: P607699								
Aluminum	112	110	83-113	1	20	0.682	0.665	3	20
Arsenic	99	99	70-130	0	20	0.0012 J	0.0012 J	8 (1)	20
Manganese	264 (2)	893 (2)	77-124	19	20	1.40	1.45	3	20
Batch number: 142667050001D	Sample number(s): 7607698 UNSPK: P607699 BKG: P607699								
Barium	100	109	75-130	3	20	0.0891	0.0947	6	20
Batch number: 14267987131A	Sample number(s): 7607698 UNSPK: P607695 BKG: P607695								
Chloride	104		90-110			6.3	6.4	1	20
Sulfate	95		90-110			10.9	10.9	0	20
Batch number: 14263022501A	Sample number(s): 7607698 UNSPK: P605793 BKG: P605793								
M. B. A. S.	107	108	78-122	0	11	0.040 U	0.040 U	0 (1)	18
Batch number: 14267021202B	Sample number(s): 7607698 UNSPK: P610711 BKG: P608450								
Total Dissolved Solids	102		66-131			460	407	12*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO water C6-C10
Batch number: 14266A20A

	Trifluorotoluene-F
7607698	73
Blank	81
LCS	78
LCSD	83
Limits:	63-135

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 142670014A

	Chlorobenzene	Orthoterphenyl
7607698	75	79
Blank	73	75
LCS	65	72
LCSD	84	81
Limits:	35-135	48-122

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Eurofins Lancaster Laboratories Environmental, LLC.

Analysis Request / Environmental Services Chain of Custody

Acct: 13294 Group # 1504909 Sample #s: 7607698

COC#: 1 of 1

Client: Cabot Oil & Gas Corporation

Project Name:	Cabot WV UIC - Cabot 100	Acct#: 13294	Parameter Suite # #N/A
		Category Code: 033-11R	
Project Manager: Phillip Levasseur		WPFID#:	
Technician:	Ethan Saturday	FS Co.: SLR International Corp.	
State: WV	County: Putnam	Twp: Bancroft	
TXMPID#:	08-176-1-0000		
Equipment ID:	API #:		

Matrix: ☐ Potable ☐ NPDES

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	TDS, MBAS	Metals	Total Coliform/E. Coli	TPH-GRO water C6-C10	TPH DRO, TPH ORO	Chloride, Sulfate						
										N	T	T								
Creek-6-1	9/19/2014	14:35	X			X		10	1	1	1	3	2	2						

Preservation Codes: H=HCl T=Thiosulfate N=HNO_3 B=NaOH S=H_2SO_4 O=Other

Comments: Metals: Ca, Fe, Mn, Na, Al, As, Ba

Temperature of samples upon receipt (if requested)

Remarks:

FOR INTERNAL PURPOSES ONLY:

Sample Location On Shore of River/Brook/Stream/Creek

Land Owner Name: Amherst Industries INC **Address:** , ,

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to laboratory approval and surcharge.)
Date Results are needed: _____
Rush results requested by (please circle): Phone Fax Email
Phone #: _____ Fax#: _____
Email address: _____

Data Package Options (please circle if required)
Type I (validation/NJ Reg) Type IV (CLP SOW)
Type II (Tier II) Type VI (Raw Data)
Type III (Reduced NJ)

SDG Complete? Yes No

TX TRRP-13
MA MCP
CT RCP

Site-specific QC Required (MS/MSD/DUP)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody Required? Yes No

Relinquished by (Print and Sign):	Date	Time	Received by (Print and Sign):	Date	Time
Ethan Saturday	9/19/14	18:00			
			Carolyn Lyons	9/20/14	0900

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Sample Administration Receipt Documentation Log

Doc Log ID: 29973

Group Number(s): 1504909

Client: Cabot

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	09/20/2014 9:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	WV		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	0
Custody Seal Present:	Yes	Trip Blank Type:	N/A
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Carolyn Cyms (964) at 09:07 on 09/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.6	DT	Wet	Y	Bagged	N

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Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
		*****	Duplicate analysis not within control limits
U	Compound was not detected	**+**	Correlation coefficient for MSA <0.995
X,Y,Z	Defined in case narrative		

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

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ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

October 01, 2014

Project: Cabot WV UIC - Cabot 100

Submittal Date: 09/20/2014
Group Number: 1504910
PO Number: -
State of Sample Origin: WV

Client Sample Description	Lancaster Labs (LL) #
08-176-1-0000 Creek-7-1 Grab	7607699

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Cabot Oil & Gas Corporation	Attn: Phillip Levasseur
ELECTRONIC COPY TO	Eurofins Lancaster Labs Env	Attn: Lyssa Longenecker

Respectfully Submitted,

Lyssa M. Longenecker

Lyssa M. Longenecker
Specialist

(717) 556-7321

Project Name: Cabot WV UIC - Cabot 100
LL Group #: 1504910

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

EPA 200.7 rev 4.4, Metals

Batch #: 142665716001 (Sample number(s): 7607699 UNSPK: P607695 BKG: P607695)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Calcium

EPA 200.8 rev 5.4, Metals

Batch #: 142667050001A (Sample number(s): 7607699 UNSPK: 7607699 BKG: 7607699)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Manganese

SM 2540 C-1997, Wet Chemistry

Batch #: 14267021202B (Sample number(s): 7607699 UNSPK: P610711 BKG: P608450, P610711)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Total Dissolved Solids

SM 9223 B-1997, Microbiology

Sample #s: 7607699

Total Coliform	> 200.5	/100ml
E. coli	42.9	/100ml

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Analysis Report

Sample Description: 08-176-1-0000 Creek-7-1 Grab
Water - Residential Amherst Industries Inc
Cabot WV UIC - Cabot 100

LL Sample # WW 7607699
LL Group # 1504910
Account # 13294

Project Name: Cabot WV UIC - Cabot 100

Collected: 09/19/2014 15:30 by ES

Submitted: 09/20/2014 09:00
Reported: 10/01/2014 15:03

Cabot Oil & Gas Corporation
Five Penn Center West
Suite 401
Pittsburgh PA 15276

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
01635	TPH-GRO water C6-C10	n.a.	20 U	20	50	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		**mg/l**	**mg/l**	**mg/l**	
02740	C10-C28	n.a.	0.048 U	0.048	0.097	1
02740	C24-C40	n.a.	0.048 U	0.048	0.097	1
02740	Total TPH (C10-C40)	n.a.	0.048 U	0.048	0.097	1
Metals	**EPA 200.7 rev 4.4**		**mg/l**	**mg/l**	**mg/l**	
01750	Calcium	7440-70-2	53.4	0.0334	0.200	1
01754	Iron	7439-89-6	0.691	0.0334	0.200	1
01767	Sodium	7440-23-5	9.36	0.167	1.00	1
	EPA 200.8 rev 5.4		**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	0.682	0.0082	0.100	1
06025	Arsenic	7440-38-2	0.0012 J	0.00082	0.0020	1
06026	Barium	7440-39-3	0.0891	0.00058	0.0020	1
06037	Manganese	7439-96-5	1.40	0.0027	0.0100	5
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	7.5	0.40	0.80	2
00228	Sulfate	14808-79-8	15.0	0.60	2.0	2
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	197	9.7	30.0	1
	SM 5540 C-2000		**mg/l LAS MW 320**	**mg/l LAS MW 320**	**mg/l LAS MW 320**	
00225	M. B. A. S.	n.a.	0.040 U	0.040	0.12	1
Microbiology	**SM 9223 B-1997**		**/100ml**	**/100ml**	**/100ml**	
08161	Tot Coli/E. coli (Quanti-tray)	n.a.	See Below			n.a.
	Total Coliform	> 200.5	/100ml			
	E. coli	42.9	/100ml			

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:03 PM

Group Number: 1504910

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14267B20A	Sample number(s): 7607699								
TPH-GRO water C6-C10	20 U	20.	100	ug/l	105	106	80-129	1	30
Batch number: 142670014A	Sample number(s): 7607699								
C10-C28	0.050 U	0.050	0.20	mg/l					
C24-C40	0.050 U	0.050	0.20	mg/l					
Total TPH (C10-C40)	0.050 U	0.050	0.20	mg/l	68	78	52-120	14	20
Batch number: 142665716001	Sample number(s): 7607699								
Calcium	0.0334 U	0.0334	0.200	mg/l	103		90-110		
Iron	0.0334 U	0.0334	0.200	mg/l	101		90-110		
Sodium	0.167 U	0.167	1.00	mg/l	104		90-110		
Batch number: 142667050001A	Sample number(s): 7607699								
Aluminum	0.0082 U	0.0082	0.100	mg/l	98		85-115		
Arsenic	0.00082 U	0.00082	0.0020	mg/l	103		85-115		
Manganese	0.0021	0.00055	0.0020	mg/l	106		85-115		
Batch number: 142667050001D	Sample number(s): 7607699								
Barium	0.00058 U	0.00058	0.0020	mg/l	98		85-115		
Batch number: 14267987131A	Sample number(s): 7607699								
Chloride	0.20 U	0.20	0.40	mg/l	98	97	90-110	0	20
Sulfate	0.30 U	0.30	1.0	mg/l	93	93	90-110	0	20
Batch number: 14263022501A	Sample number(s): 7607699								
M. B. A. S.	0.040 U	0.040	0.12	mg/l LAS MW 320	99		88-114		
Batch number: 14267021202B	Sample number(s): 7607699								
Total Dissolved Solids	9.7 U	9.7	30.0	mg/l	101	101	80-120	0	9

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 142665716001	Sample number(s): 7607699 UNSPK: P607695 BKG: P607695								
Calcium	88 (2)	70 (2)	80-120	2	20	32.9	32.6	1	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Cabot Oil & Gas Corporation
Reported: 10/01/14 at 03:03 PM

Group Number: 1504910

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Iron	105	104	80-120	1	20	0.0334 U	0.0334 U	0 (1)	20
Sodium	100	98	84-117	1	20	9.48	9.41	1	20
Batch number: 142667050001A	Sample number(s): 7607699 UNSPK: 7607699 BKG: 7607699								
Aluminum	112	110	83-113	1	20	0.682	0.665	3	20
Arsenic	99	99	70-130	0	20	0.0012 J	0.0012 J	8 (1)	20
Manganese	264 (2)	893 (2)	77-124	19	20	1.40	1.45	3	20
Batch number: 142667050001D	Sample number(s): 7607699 UNSPK: 7607699 BKG: 7607699								
Barium	100	109	75-130	3	20	0.0891	0.0947	6	20
Batch number: 14267987131A	Sample number(s): 7607699 UNSPK: P607695 BKG: P607695								
Chloride	104		90-110			6.3	6.4	1	20
Sulfate	95		90-110			10.9	10.9	0	20
Batch number: 14263022501A	Sample number(s): 7607699 UNSPK: P605793 BKG: P605793								
M. B. A. S.	107	108	78-122	0	11	0.040 U	0.040 U	0 (1)	18
Batch number: 14267021202B	Sample number(s): 7607699 UNSPK: P610711 BKG: P608450								
Total Dissolved Solids	102		66-131			460	407	12*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO water C6-C10
Batch number: 14267B20A

	Trifluorotoluene-F
7607699	90
Blank	90
LCS	97
LCSD	97
Limits:	63-135

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 142670014A

	Chlorobenzene	Orthoterphenyl
7607699	74	78
Blank	73	75
LCS	65	72
LCSD	84	81
Limits:	35-135	48-122

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Eurofins Lancaster Laboratories Environmental, LLC.

Analysis Request / Environmental Services Chain of Custody

Acct: 13294 Group # 1504910 Sample #s: 7607699 COC#: 1 of 1

Client: Cabot Oil & Gas Corporation

Project Name:	Cabot WV UIC - Cabot 100	Acct#: 13294	Parameter Suite # #N/A
		Category Code: 033-11R	
Project Manager: Phillip Levasseur		WPFID#:	
Technician:	Ethan Saturday	FS Co.: SLR International Corp.	
State: WV	County: Putnam	Twp: Bancroft	
TXMPID#:	08-176-1-0000		
Equipment ID:	API #:		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Other	Total # of Containers	TDS, MBAS	Metals	Total Coliform/E. Coli	TPH-GRO water C6-C10	TPH DRO, TPH ORO	Chloride, Sulfate						
									Preservation Codes		N	T	H							
Creek-7-1	9/19/2014	15:30	X			X		10	1	1	1	3	2	2						

Analyses Requested

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Comments:
Metals: Ca, Fe, Mn, Na, Al, As, Ba

Temperature of samples upon receipt (if requested)

Remarks:

FOR INTERNAL PURPOSES ONLY:

Sample Location On Shore of River/Brook/Stream/Creek

Land Owner Name: Amherst Industries INC **Address:** , ,

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to laboratory approval and surcharge.)
Date Results are needed: _____
Rush results requested by (please circle): Phone Fax Email
Phone #: _____ Fax#: _____
Email address: _____

Data Package Options (please circle if required)
Type I (validation/NJ Reg) Type IV (CLP SOW)
Type II (Tier II) Type VI (Raw Data)
Type III (Reduced NJ)

SDG Complete? Yes No

TX TRRP-13
MA MCP
CT RCP

Site-specific QC Required (MS/MSD/DUP)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal Chain of Custody Required? Yes No

Relinquished by (Print and Sign):	Date	Time	Received by (Print and Sign):	Date	Time
Ethan Saturday	9/19/14	18:00			
			Carolyn Cagnos	9/20/14	0900

Address: 2425 New Holland Pike, Lancaster, PA 17601 Telephone: 717-656-2300 Fax: 717-656-6766

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 29974

Group Number(s): 1504910

Client: Cabot

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	09/20/2014 9:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	WV		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	0
Custody Seal Present:	Yes	Trip Blank Type:	N/A
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Carolyn Cyms (964) at 09:13 on 09/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.2	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.cor

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

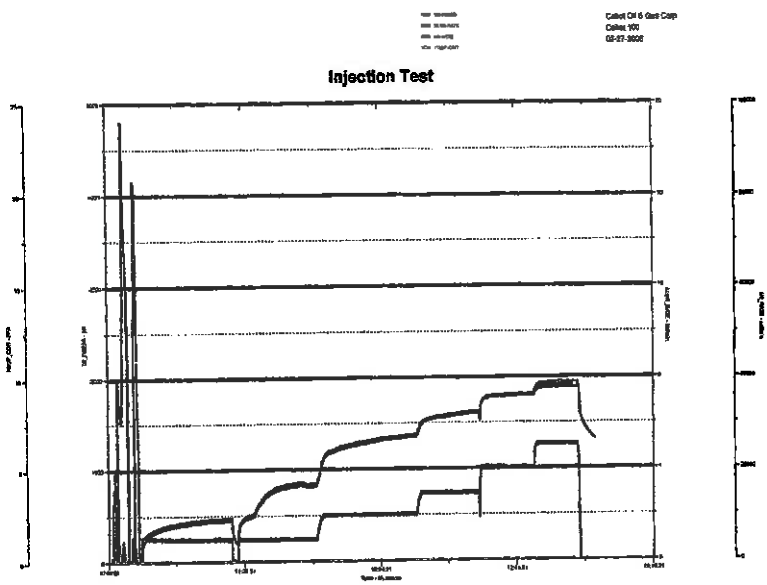
Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

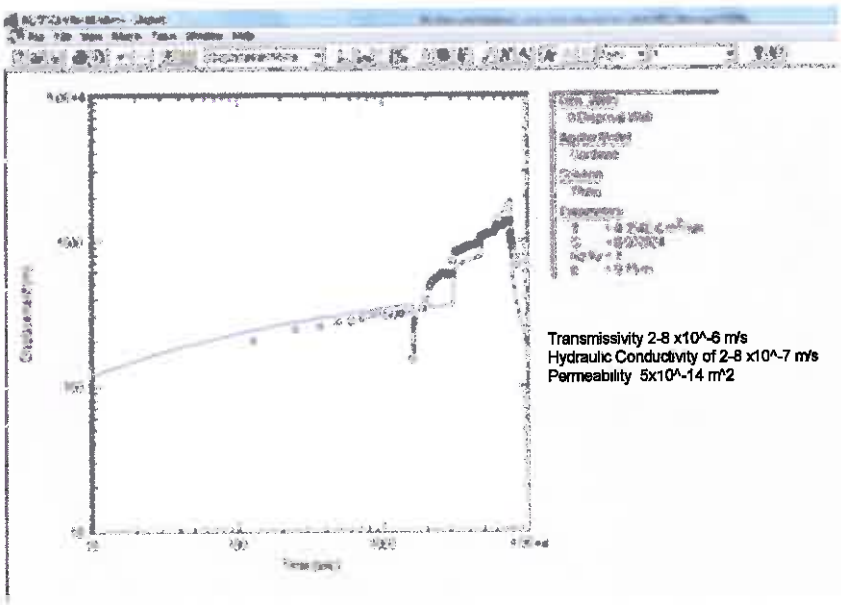
Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

SECTION 8 ADDENDUM



STEP TEST PERFORMED BY SCHLUMBERGER ON THE CABOT #100, 1/20/2014



COMPLETED IN AQUIFER MODELING SOFTWARE: AQTESOLV

CABOT #100 WELLBORE

Report

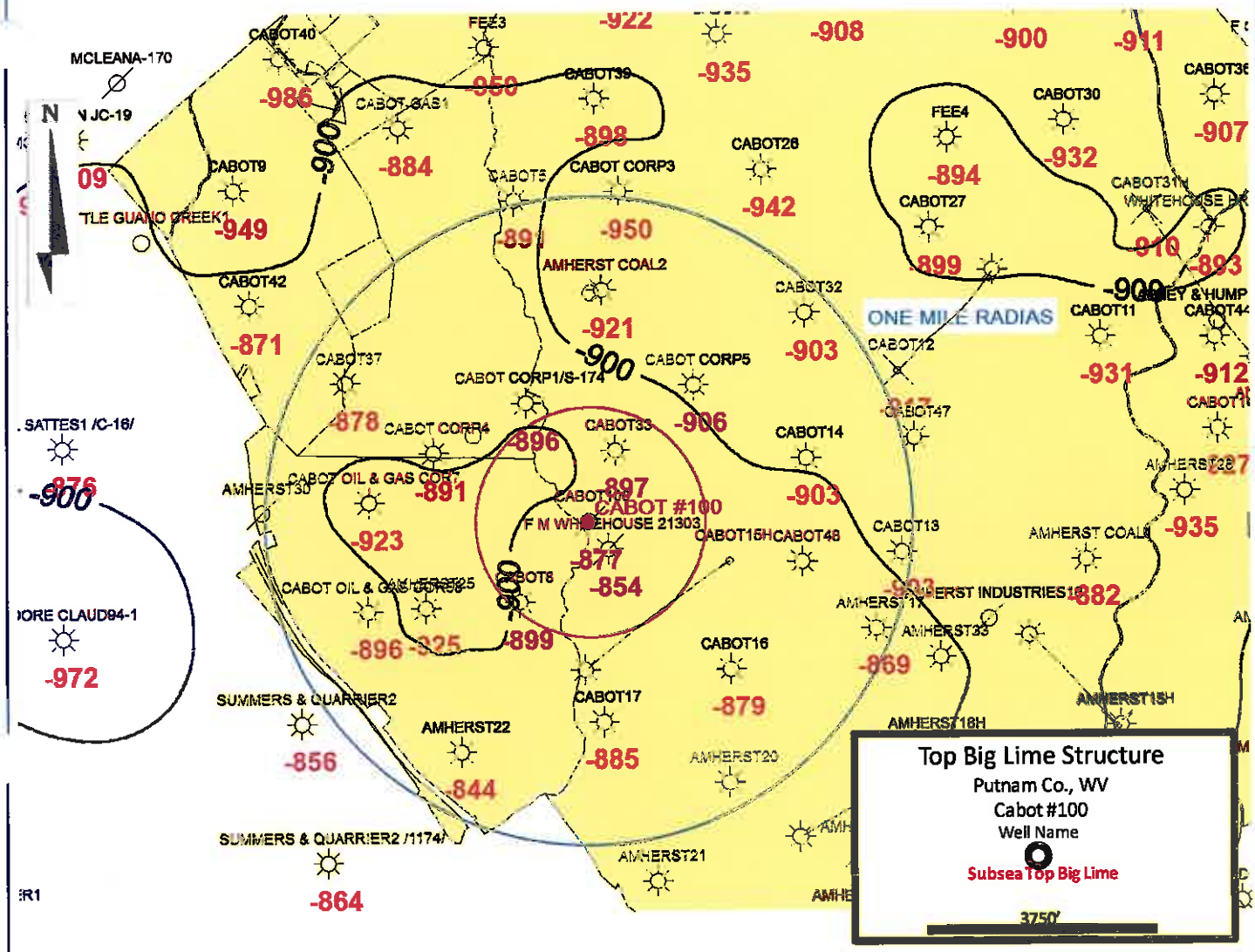
UIC PERMIT APPLICATION

Drawing

CALCULATING PERMEABILITY

Fig. No. 18

SLR



CABOT #100 INJECTION WELL

Report

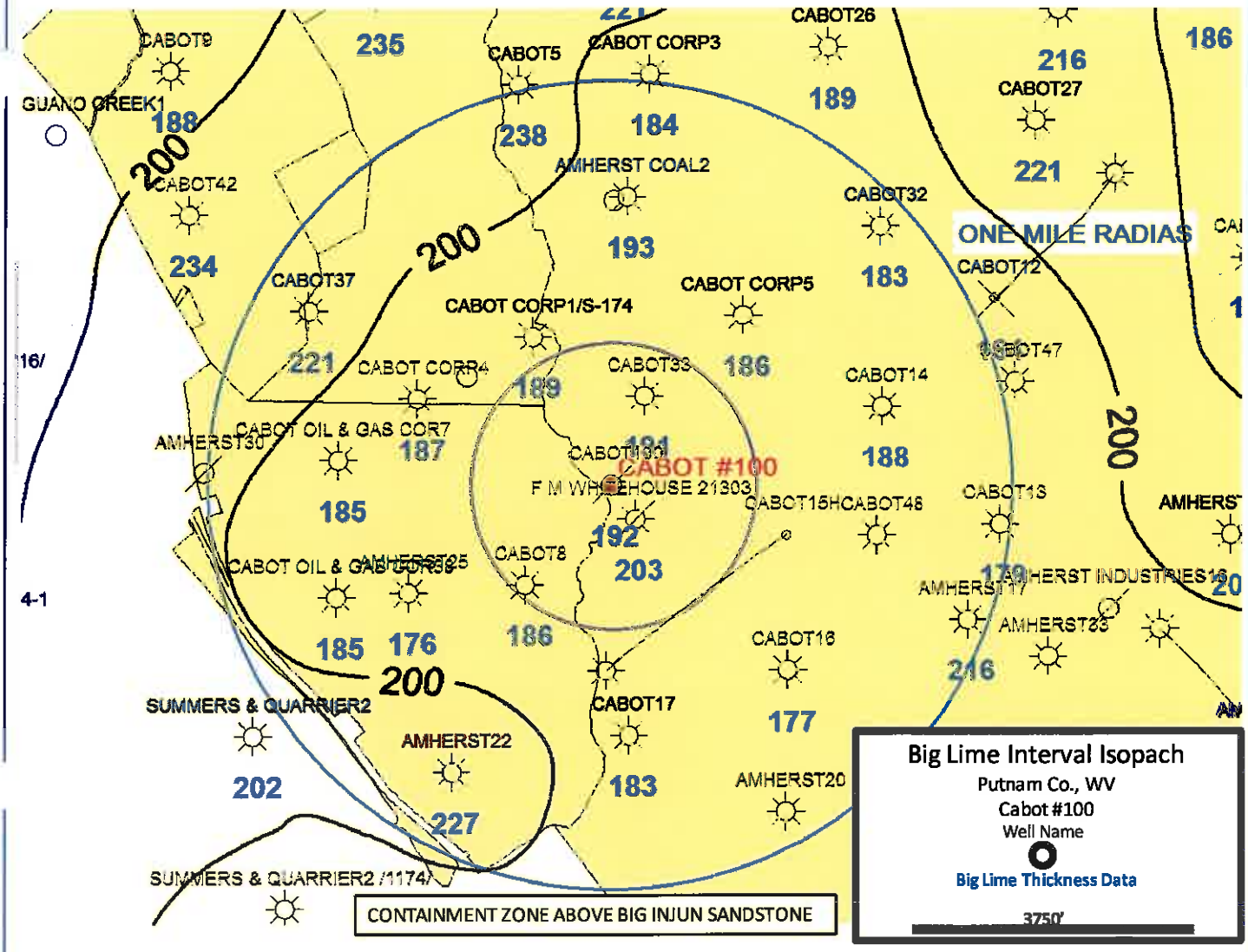
UIC PERMIT APPLICATION

Drawing

TOP OF BIG LIME STRUCTURE MAP

Fig. No. 19

SLR



CABOT #100 INJECTION WELL

Report

UIC PERMIT APPLICATION

Drawing

BIG LIME ISOPACH

Fig. No.

20

SLR

5 Weatheridge Drive
Hurricane, WV 25526

Phone: (304) 757-8954
Fax: (304) 757-9676

P.O. Box 634
Teays, WV 25569

Web Site: www.biochemtesting.com
e-mail: info@biochemtesting.com

CASE NARRATIVE

Date: OCT 03 2014

CLIENT: Cabot Oil & Gas

Lab Number(s) 1407288-01

Bio-Chem Testing, Inc. warrants the accuracy of analysis for the data generated and reported in this report. Procedures used by the laboratory are well documented and reviewed on a regular basis to ensure consistency and reliability. Sources for the analytical procedures are derived from EPA sources such as EPA-600/4-79-020, SW 846, and the 18th through 20th Editions of Standard Methods.

Samples were received in good condition unless otherwise noted.

This report includes a total of 9 pages. This includes:

- 1 Case Narrative
- 1 Results for analyses reported by Bio-Chem Testing, Inc.
- 6 Results for analyses that were subcontracted
- 1 Chain of Custody form and associated documents
- ____ Other: ____

The estimated uncertainty of measurement is available upon client request.

Respectfully Submitted,

Mukesh Shah
Laboratory President

Results reviewed by: ____

5 Weatheridge Drive
Hurricane, WV 25526

P.O. Box 634
Teays, WV 25569

Phone: (304) 757-8954
Fax: (304) 757-9676

Web Site: www.biochemtesting.com
e-mail: info@biochemtesting.com

LABORATORY ANALYSIS REPORT

Cabot Oil & Gas Corp.
900 Lee Street
Charleston, WV 25301
Attn: Randy Spencer
Cabot
Cabot 100
Water Sample
Cabot Oil+ Gas

Laboratory Number:	1407288-01
Sample Identification	Cabot 100
Sampled By:	Client
Date/Time Sampled	10/01/2014 07:00
Date/Time Received	10/01/2014 07:45
Sample Type	GRAB
Client Information	

PARAMETER	RESULT	NOTE	MDL	UNITS	METHOD	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST
Organic Analysis								
Specific Gravity	1.127	**	-	--	ASTM-D4052	10/02/2014	--	SET

NOTES

** Subcontracted analysis

Method Reference: USEPA: Methods for Chemical Analysis of Water and Waste.
SM: Standard Methods for the Examination of Water and Wastewater.
SW: Test Methods for Evaluating Solid Waste.

Respectfully Submitted:

Mukesh Shah

OCT 03 2014

Certified by WVDEP • Sampling and Analysis of Water, Wastewater and Soil

Summit Environmental Technologies
3310 Win Street
Cuyahoga Falls, OH 44223
330-253-8211

CLIENT: Bio-Chem Testing

CONTACT: Mukesh Shah PHONE: 304-757-6954

PROJECT: SITE:

REPORTS TO:
#5 Weatherdge Drive
Hurricane WV 25526 FAX NO: 304-757-6670

INVOICE TO:

P.O. NUMBER:

Page ___ of

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	W	No. containers	SMPL. TYPE C = COMP G = GRAB	Specific Gravity								Preservative Checked	
	7288-01 (100)	10/1/14	0700	w	2	G	X									Results 10/2/14 A.S.A.P.

14100100-01

Collected/Relinquished By: (1) Date 10/1/14 Time 1100 Received By:

Collected/Relinquished By: (2) Date Time Received By:

Collected/Relinquished By: (3) Date Time Received By:

Collected/Relinquished By: (4) Date 10/2/14 Time 1130 Received For Laboratory By:

Sample Rec'd Cold? Yes ___ No ___ TempC

Turn Around Time

* Preservative Used:
1. None
2. Sulfuric Acid Soln. To pH <2
3. NaOH soln. To pH >12
4. Nitric Acid Soln. To pH <2
5. Zinc Acetate & NaOH Soln.
6. Hydrochloric Acid Soln.
7. Sodium Thiosulfate
8. Other Field filtered & HNO3
9. Other Field filtered & H2SO4
10. Other Field filtered & None

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Initials of person inspecting cooler and samples: SC

Client: BioChem

Order Number:

Date Received: 10-2-14 Time Received: 1130 Date cooler(s) opened and samples inspected: 10-2-14

Number of Coolers/Boxes: 4 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts Bubble Wrap Paper Foam None Other:

Tape on cooler/box: Y N N/A

Custody Seals Intact Y N N/A

C-O-C in plastic Y N N/A

Ice ✓ Blue ice present / absent / melted N/A

Sample Temperature IR Gun #16020459 CF 0.0 °C 0.3 °C N/A

Radiological Testing Instrument serial #35127 Y N N/A
(see page 2 for scan results)
**Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.

C-O-C filled out properly Y N N/A

Samples in separate bags Y N N/A

Sample containers intact* Y N N/A

*If no, list broken sample(s):

Sample label(s) complete (ID, date, etc.) Y N N/A

Label(s) agree with C-O-C Y N N/A

Correct containers used Y N N/A

Sufficient sample received Y N N/A

Bubbles absent from 40 mL vials** Y N N/A

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm.

Was client contacted about samples Y N

Will client send new samples Y N

Client contact:

Date/Time:

Logged in by:

Comments:

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

October 02, 2014

Mukesh Shah
Bio-Chem Testing
#5 Weatheridge Drive
Hurricane, WV 25526
TEL: 304-437-5405 cell
FAX:

RE: 7288-01

Order No.: 14100190

Dear Mukesh Shah:

Summit Environmental Technologies, Inc. received 1 sample(s) on 10/2/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman
Project Manager
3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arizona AZ0788, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **14100190**

02-Oct-14

CLIENT: Bio-Chem Testing
Project: 7288-01

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14100190-001	7288-01(100)		10/1/2014 7:00:00 AM	10/2/2014 11:30:00 AM	Non-Potable Water

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Case Narrative

WO#: 14100190
Date: 10/2/2014

CLIENT: Bio-Chem Testing
Project: 7288-01

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc. Work Order Number assigned to this report.

Paginated Report including: Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports and copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the Limit of Quantitation (LOQ) but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Any comments or problems with the analytical events associated with this report are noted below.

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: 14100190
Date Reported: 10/2/2014
Company: Bio-Chem Testing
Address: #5 Weatheridge Drive
Hurricane WV 25526
Received: 10/2/2014
Project#: 7288-01

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	LOQ	Run	Analyst
7288-01(100)	001	10/1/2014	Specific Gravity	1.127 @60F			Non-Potable Water	ASTM D-4052	1			10/2/2014	DHC

BIO-CHEM TESTING, INC.
5 Weatheridge Drive
Hurricane, WV 25526
Phone: (304) 757-8954
Fax: (304) 757-9676

CLIENT: Cabot Oil + Gas

CONTACT: Randy Spencer PHONE NO: ( )

PROJECT: SITE:

REPORTS TO: Randy Spencer FAX NO: ( )

INVOICE TO: Randy Spencer P.O. NUMBER:

E MAIL:

PAGE ____ OF ____

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. CONTAINERS	SAMPLE TYPE (C = COMP, G = GRAB)	Specific Gravity	REMARKS
	Cabot 100	10/1/14	07:00	Water	2	G	X	1407288-01

Preservative Checked

Collected / Relinquished By: (1)	Date	Time	Received By:
[signature]	10/1/14	7:45	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By: Kara Brandon

Sample Rec'd Cold? Yes ✓ No ____ Temp°C 6.0

Turn Around Time: Need Results ASAP

Preservative Used:

① None
② Sulfuric Acid Soln.
③ Sodium Hydroxide Soln.
④ Nitric Acid Soln.
⑤ Zinc Acetate & NaOH Soln.
⑥ Hydrochloric Acid Soln.
⑦ Other ____
⑧ Other ____

WHITE — BIO-CHEM COPY PINK — CUSTOMER COPY