



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

April 21, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3903551, issued to CABOT OIL & GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: A-6-217

Farm Name: DICKINSON, J. Q.

API Well Number: 47-3903551

Permit Type: Plugging

Date Issued: 04/21/2015

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date March 9, 2015
2) Operator's
Well No. J. Q Dickenson A-6
3) API Well No. 47-039 -03551

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 945' Watershed Kanawha River
District Malden County Kanawha Quadrangle Belle

6) Well Operator Cabot Oil & Gas Corporation 7) Designated Agent Whitney Johnson
Address Five Penn Center West, Ste. 401 Address P.O. Box 450
Pittsburgh, PA 15276 Glasgow, WV 25086

8) Oil and Gas Inspector to be notified Name Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Contractor Services, Inc.
Address 929 Charleston Road
Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached sheet

SEE Changes to
Prog.

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Office of Oil and Gas
MAR 18 2015
WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 3-18-15

J. Q. Dickenson A-6 API # 47 - 039 - 03551 PLUGGING PROCEDURE

Current Configuration

- DTD @ 1875'
- 13" conductor @ 16'
- 8-1/4" casing @ 432' (possibly pulled during drilling operations)
- 6-5/8" casing @ 1693'
- 2" tubing @ 1865' with anchor packer set @ 1715'
- Coal @ 40' - 45', 160' - 170' with water, & 275' - 280'
- Weir @ 1768' to 1848' with gas show @ 1770' & 1797'
- Big Lime @ 1340' - 1600'
- Salt Sand @ 990' - 1150' with water @ 1100'

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PROCEDURE

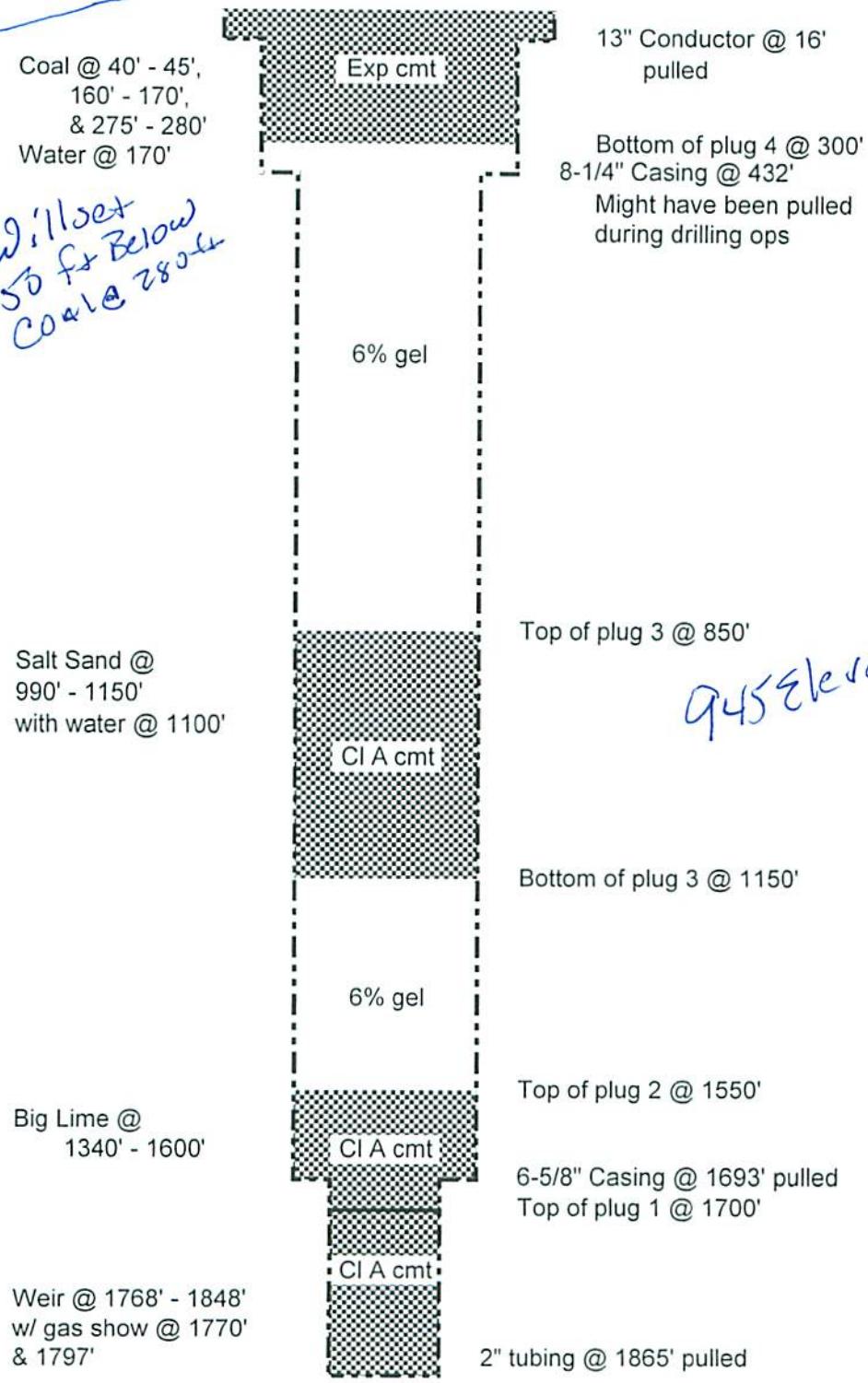
1. Contact Glasgow Office a minimum of 48 hours prior to starting work.
2. Contact State Inspector a minimum of 24 hours prior to starting work.
3. Lay 2" line from wellhead to pit/tank and stake down securely.
4. MIRU service rig and blow down well. Have vacuum truck available to catch any fluids circulated from well.
5. Unpack wellhead.
6. Pull 2" tubing.
7. If unable to pull tubing, run freepoint, cut above freepoint, and POOH.
8. TIH with 2-3/8" work string to TD.
9. MIRU Cement Company and pump 20 bbls 6% Gel followed by 25 sks of Class A cement for plug 1 from TD to 1700'.
10. Displace w/ 6 1/2 bbls of 6% Gel.
11. TOOH with work string.
12. Pull 6-5/8" casing string
13. Pull 13" conductor if 8-1/4" casing is not present.
14. TIH with work string to 1700' and pump 20 bbls 6% Gel followed by 40 sks of Class A cement for plug 2 from 1700' to 1550'.
15. Displace w/ 6 bbls of 6% Gel.
16. Pull work string up to 1150' and pump 20 bbls 6% Gel followed 85 sks of Class A cement for plug 3 from 1150' to 850'.
17. Displace w/ 3 bbl of 6% Gel.
18. TOOH with work string if 8-1/4" casing is present, otherwise go to step 20.
19. Pull 8-1/4" casing and 13" conductor.
20. Pull work string up (or TIH with work string) to 300' and pump 235 cubic feet of expanding cement (200 sacks Class A cement with 10 % salt added) for plug 4 from 300' to surface.
21. TOOH with work string and lay down.
22. RDMO Cementing Company.
23. Place monument as required by law on top of well bore.
24. Reclaim well site.

*W. 11 set
350-foot surface well
Plug 50 Below
Coal*

*Ann W. Hula
3-18-15*

J. Q. DICKENSON A-6 API 47-039-03551 PROPOSED CONFIGURATION

350 ft plug
Coal @ 40' - 45',
160' - 170',
& 275' - 280'
Water @ 170'
*Will set
50 ft below
Coal @ 280 ft*



13" Conductor @ 16'
pulled

Bottom of plug 4 @ 300'
8-1/4" Casing @ 432'
Might have been pulled
during drilling ops

Top of plug 3 @ 850'

945 Elevation

Bottom of plug 3 @ 1150'

Top of plug 2 @ 1550'

6-5/8" Casing @ 1693' pulled
Top of plug 1 @ 1700'

2" tubing @ 1865' pulled

Schematic is not to scale

T. Ott 04/01/14

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WV Department of
Environmental Protection

3903551P

039-3551

FORM O B 28-10-0-17-24

THE OWENS BOTTLE COMPANY

Serial Well No. 217	Lease No. 7	Elevation
RECORD OF WELL No. 5(3) on the		Conductor, Casing and Tubing
J.Q. Dickinson	Tract of 378 Acres	NO. OF JOINTS USED IN DRILLING
in Cabin Creek & Menden District	Conductor 13	LEFT IN WELL
Kanawha County, State of W. Va.	Casing 13"	INITIAL OPEN FLOW
Rig Commenced	" 10"	149 000 cubic feet
Rig Completed	" 8 1/4"	CLOSED IN PRESSURE
Drilling Commenced June 1, 1925	" 6 1/2"	Tubing Casing
Drilling Completed July 11, 1925	" 5 3/16"	Braden-head
Drilling to cost per foot	Tubing 3"	1 Min. 7 Pounds
Contractor is: O. L.O. Tools	" 2"	2 Min. 17 Pounds
Address:	Packer Larkin Anchor	3 Min. 28 Pounds
Tool Pusher - J.M. Miller	Set 1715 from top	4 Min. 37 Pounds
Drillers' Names Orville Coon	Perf. Set at 1799 & 1853	5 Min. 48 Pounds
C.W. Poulton	Shot 19 with qts.	10 Min. 92 Pounds
Well Abandoned and plugged		24 Hours 335 Pounds
		July 31 365 Pounds
		OIL WELL
		INITIAL PRODUCTION
		Oil flowed barrels
		Oil pumped barrels

DRILLER'S RECORD

FORMATION	Top	Bottom	Thickness	REMARKS
Surface	0	40	40	
Coal	40	45	5	
Slate & Shells	45	160	115	
Coal	160	170	10	Hole full water at 170 ft.
Slate	170	225	55	
Coal	225	230	5	
Slate & Shells	230	275	45	
Coal	275	280	5	
Slate & Lime Shells	280	470	190	
Slate	470	525	55	
Sand	525	665	140	
Slate	665	695	30	
Lime	695	725	30	
Slate	725	745	20	
Salt Sand	745	960	215	
Slate	960	975	15	
Lime	975	990	15	
Salt Sand	990	1150	160	Hole full water at 1100 ft.
Red Rock	1150	1170	20	
Pink Lime	1170	1180	10	
Slate	1180	1200	20	
Dark Lime	1200	1245	45	
Slate	1245	1250	5	
Sandy Lime	1250	1315	65	
Slate & Shells	1315	1340	25	
Sandy Lime	1340	1500	160	
Red Rock	1500	1530	30	
Slate	1530	1534	4	
Black Lime	1534	1575	41	
Black Slate	1575	1580	5	
Black Lime	1580	1600	20	
Slate & Shells	1600	1768	168	
Feir Sand	1768	1848	80	Gas at 1770-1775 = 74,000 cu. ft.
Slate	1848	1875	27	" " 1797-1802 = 192,000 " "
total depth		1875		

WW-4A
Revised 6-07

1) Date: March 9, 2015
2) Operator's Well Number
J. Q. Dickenson A-6
3) API Well No.: 47 - 039 - 03551

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

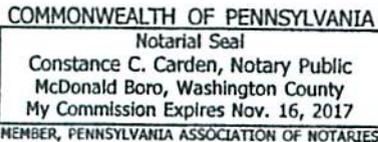
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Malden, LLC</u>	Name <u>See attached sheet</u>
Address <u>300 Capitol Street, Suite 1401</u>	Address _____
<u>Charleston, WV 25301</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Malden, LLC</u>
_____	Address <u>300 Capitol Street, Suite 1401</u>
_____	<u>Charleston, WV 25301</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name <u>None of Record</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>(304) 549-5915</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Cabot Oil & Gas Corporation
 By: Kenneth L. Marcum *Kenneth L. Marcum*
 Its: Regulatory Supervisor
 Address Five Penn Center West, Suite 401
Pittsburgh, PA 15276
 Telephone (412) 249-3850

Received
Office of Oil & Gas

Subscribed and sworn before me this 9th day of March, 2015
Constance C. Carden Notary Public
 My Commission Expires November 16, 2017

MAR 12 2015

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

**COAL OPERATORS
J. Q. DICKENSON A-6
47-039-03551**

Coyote Coal Company, LLC
P.O. Box 1001
Scott Depot, WV 25560

Midland Trail Energy, LLC
P.O. Box 366
Tad, WV 25201

Emerald Processing, LLC
P.O. Box 189
Comfort, WV 25049

Speed Mining, Inc.
P.O. Box 99
Dawes, WV 25054

Selah Corporation
P.O. Box 1375
Gilbert, WV 25621

Mammoth Coal Company
P.O. Box 150
Cannelton, WV 25036

Spartan Mining Co.
Dbas Mammoth Coal Company
P.O. Box 150
Cannelton, WV 25036

Brier Creek Coal Co., LLC
1295 Ashford Hill Road
Ashford, WV 25009

Remington, LLC
P.O. Box 1001
Scott Depot, WV 25560

Upper Kanawha Valley Development Corp.
400 Patterson Ln. #200
Charleston, WV 25311

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Office of Oil & Gas
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3903551P

7014 2120 0003 6926 6573

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Sent To: Mammoth Coal Company
P.O. Box 150
Cannelton, WV 25036
Dickenson A-6 - P&A

PS Form 3800, July 2009



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Sent To: Selah Corporation
P.O. Box 1375
Gilbert, WV 25621
Dickenson A-6 - P&A

PS Form 3800, July 2009



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Total	

Sent To: Coyote Coal Company, LLC
P.O. Box 1001
Scott Depot, WV 25560
Dickenson A-6 - P&A

PS Form 3800, July 2009



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Sent To: Malden, LLC
300 Capitol Street, Suite 1401
Charleston, WV 25301
Dickenson A-6 - P&A

PS Form 3800, July 2009



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Sent To: Emerald Processing, LLC
P.O. Box 189
Comfort, WV 25049
Dickenson A-6 - P&A

PS Form 3800, July 2009



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Sent To: Midland Trail Energy, LLC
P.O. Box 366
Tad, WV 25201
Dickenson A-6 - P&A

PS Form 3800, July 2009



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MAR 12 2015

3903559P

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Sent To: Remington, LLC
P.O. Box 1001
Scott Depot, WV 25560
Dickenson A-6 - P&A

PS Form 38



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Sent To: Terry Urban
P.O. Box 1207
Clendenin, WV 25045
Dickenson A-6 - P&A

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Spartan Mining Co.
Dbm Mammoth Coal Company
P.O. Box 150
Cannelton, WV 25036
Dickenson A-6 - P&A

PS Form 38



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Total Postage & Fees	\$

Sent To: Upper Kanawha Valley Development
Corp.
400 Patterson Ln. #200
Charleston, WV 25311
Dickenson A-6 - P&A

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Total Postage & Fees	\$

Sent To: Speed Mining, Inc.
P.O. Box 99
Dawes, WV 25054
Dickenson A-6 - P&A

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Sent To: Brier Creek Coal Co., LLC
1295 Ashford Hill Road
Ashford, WV 25009
Dickenson A-6 - P&A

PS Form 38



Received
Office of Oil & Gas
MAR 12 2015

3903551A

WW-9
(5/13)

Page _____ of _____
API Number 47 - _____ - _____
Operator's Well No. _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Cabot Oil & Gas Corporation OP Code 08145

Watershed (HUC 10) Kanawha River Quadrangle Belle

Elevation 945' County Kanawha District Malden

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a pit be used for drill cuttings? Yes _____ No X *AKU 3/18/15*

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No X If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application
- _____ Underground Injection (UIC Permit Number _____)
- _____ Reuse (at API Number _____) **RECEIVED**
- _____ Off Site Disposal (Supply form WW-9 for disposal location) Office of Oil and Gas
- Other (Explain No treated pit wastes will be produced)

APR 18 2015

Will closed loop system be used? N/A

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. no drilling proposed WV Department of Environmental Protection

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cuttings produced during plugging operation

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature *Kenneth L. Marcum*

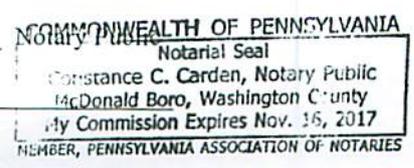
Company Official (Typed Name) Kenneth L. Marcum

Company Official Title Regulatory Supervisor

Subscribed and sworn before me this 9th day of March, 2015

Constance C. Carden

My commission expires 11/16/2017



39035519

Form WW-9

Operator's Well No. Dickinson, J.Q. A-6

Proposed Revegetation Treatment: Acres Disturbed 0.18 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch Pulp Fiber at 1000 to 1500 Tons/acre

Seed Mixtures

Area I			Area II		
Seed Type		lbs/acre	Seed Type		lbs/acre
Grain Rye - 100	Red Clover - 5	Fescue - 40	Grain Rye - 100	Red Clover - 5	Fescue - 40
Annual Rye - 20	White Clover - 5		Annual Rye - 20	White Clover - 5	
Perennial Rye - 10	Alta Sweet Clover - 5		Perennial Rye - 1	Alta Sweet Clover - 5	
Yellow Clover - 5	Birdsfoot Trefoil - 10		Yellow Clover - 5	Birdsfoot Trefoil	

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]
Comments: _____

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Office of Oil and Gas

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WV Department of
Environmental Protection

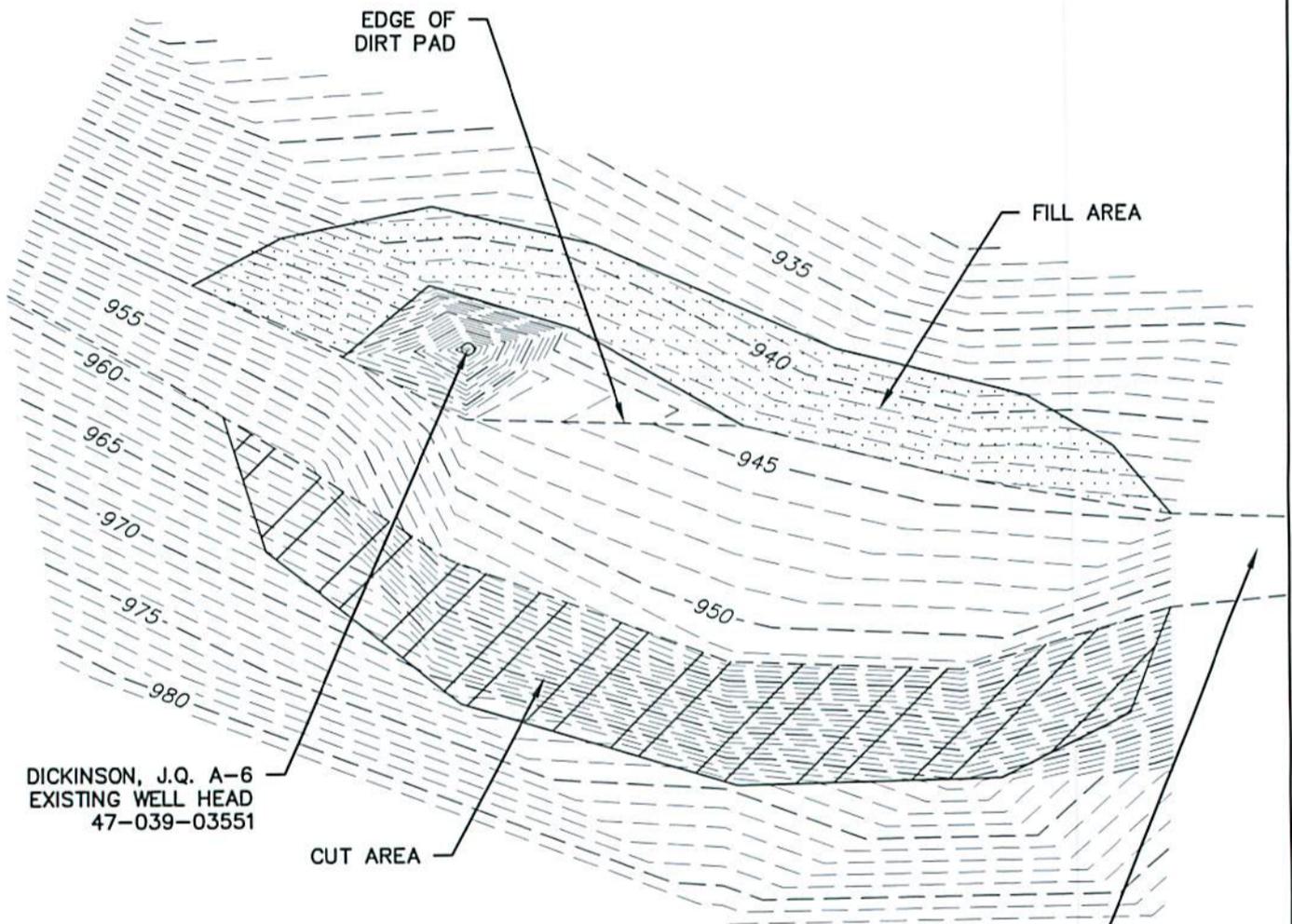
Title: Field Inspection of Well #605

Date: 3-18-15

Field Reviewed? Yes No



EXISTING DICKINSON, J.Q. A-6 WELL HEAD
PHOTO DATE: 01/16/14



~WOODS~

Received
Office of Oil & Gas
MAR 12 2015



It is a violation of the law for any person, unless acting under the direction of a licensed Architect, Engineer or Land Surveyor, to alter an item in any way. Plans, maps, specifications, studies, and reports not containing a red ink seal imprint on the cover sheet accompanied by an original signature by the licensed professional may have been fraudulently altered and shall not be considered an original copy. Copyright Protected 2014, Larson Design Group.

PROJECT NO.: 8744-014
SHEET NO.: 2 of 2

RECLAMATION PLAN DICKINSON, J.Q. A-6

MALDEN DISTRICT, KANAWHA COUNTY, WEST VIRGINIA

CABOT OIL & GAS CORPORATION
FIVE PENN CENTER WEST, SUITE 401
PITTSBURGH, PA 15276-0130
PHONE (304) 595-5015
DATE: 4/24/14 DRAWN BY: RTC CHECKED BY: THK

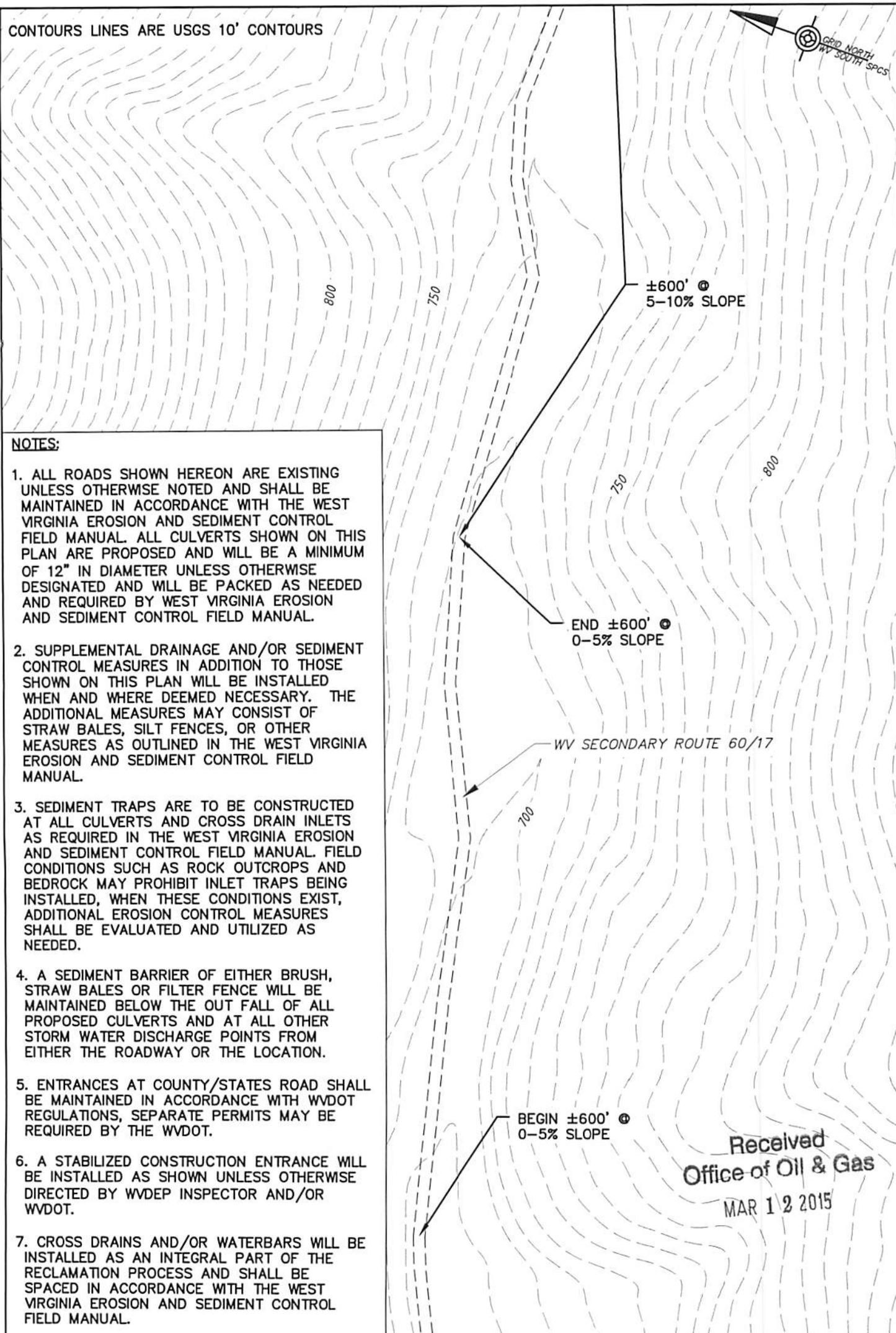
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3903551P

CONTOURS LINES ARE USGS 10' CONTOURS



NOTES:

1. ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL. ALL CULVERTS SHOWN ON THIS PLAN ARE PROPOSED AND WILL BE A MINIMUM OF 12" IN DIAMETER UNLESS OTHERWISE DESIGNATED AND WILL BE PACKED AS NEEDED AND REQUIRED BY WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL.
2. SUPPLEMENTAL DRAINAGE AND/OR SEDIMENT CONTROL MEASURES IN ADDITION TO THOSE SHOWN ON THIS PLAN WILL BE INSTALLED WHEN AND WHERE DEEMED NECESSARY. THE ADDITIONAL MEASURES MAY CONSIST OF STRAW BALES, SILT FENCES, OR OTHER MEASURES AS OUTLINED IN THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL.
3. SEDIMENT TRAPS ARE TO BE CONSTRUCTED AT ALL CULVERTS AND CROSS DRAIN INLETS AS REQUIRED IN THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL. FIELD CONDITIONS SUCH AS ROCK OUTCROPS AND BEDROCK MAY PROHIBIT INLET TRAPS BEING INSTALLED, WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.
4. A SEDIMENT BARRIER OF EITHER BRUSH, STRAW BALES OR FILTER FENCE WILL BE MAINTAINED BELOW THE OUT FALL OF ALL PROPOSED CULVERTS AND AT ALL OTHER STORM WATER DISCHARGE POINTS FROM EITHER THE ROADWAY OR THE LOCATION.
5. ENTRANCES AT COUNTY/STATES ROAD SHALL BE MAINTAINED IN ACCORDANCE WITH WVDOT REGULATIONS, SEPARATE PERMITS MAY BE REQUIRED BY THE WVDOT.
6. A STABILIZED CONSTRUCTION ENTRANCE WILL BE INSTALLED AS SHOWN UNLESS OTHERWISE DIRECTED BY WVDEP INSPECTOR AND/OR WVDOT.
7. CROSS DRAINS AND/OR WATERBARS WILL BE INSTALLED AS AN INTEGRAL PART OF THE RECLAMATION PROCESS AND SHALL BE SPACED IN ACCORDANCE WITH THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL.

Received
Office of Oil & Gas
MAR 12 2015

100 0 100 200 FEET



SCALE

It is a violation of the law for any person, unless acting under the direction of a licensed Architect, Engineer or Land Surveyor, to alter an item in any way. Plans, maps, specifications, studies, and reports not containing a red ink seal imprint on the cover sheet accompanied by an original signature by the licensed professional may have been fraudulently altered and shall not be considered an original copy. Copyright Protected 2014, Larson Design Group.

**RECLAMATION PLAN
DICKINSON, J.Q. A-6**

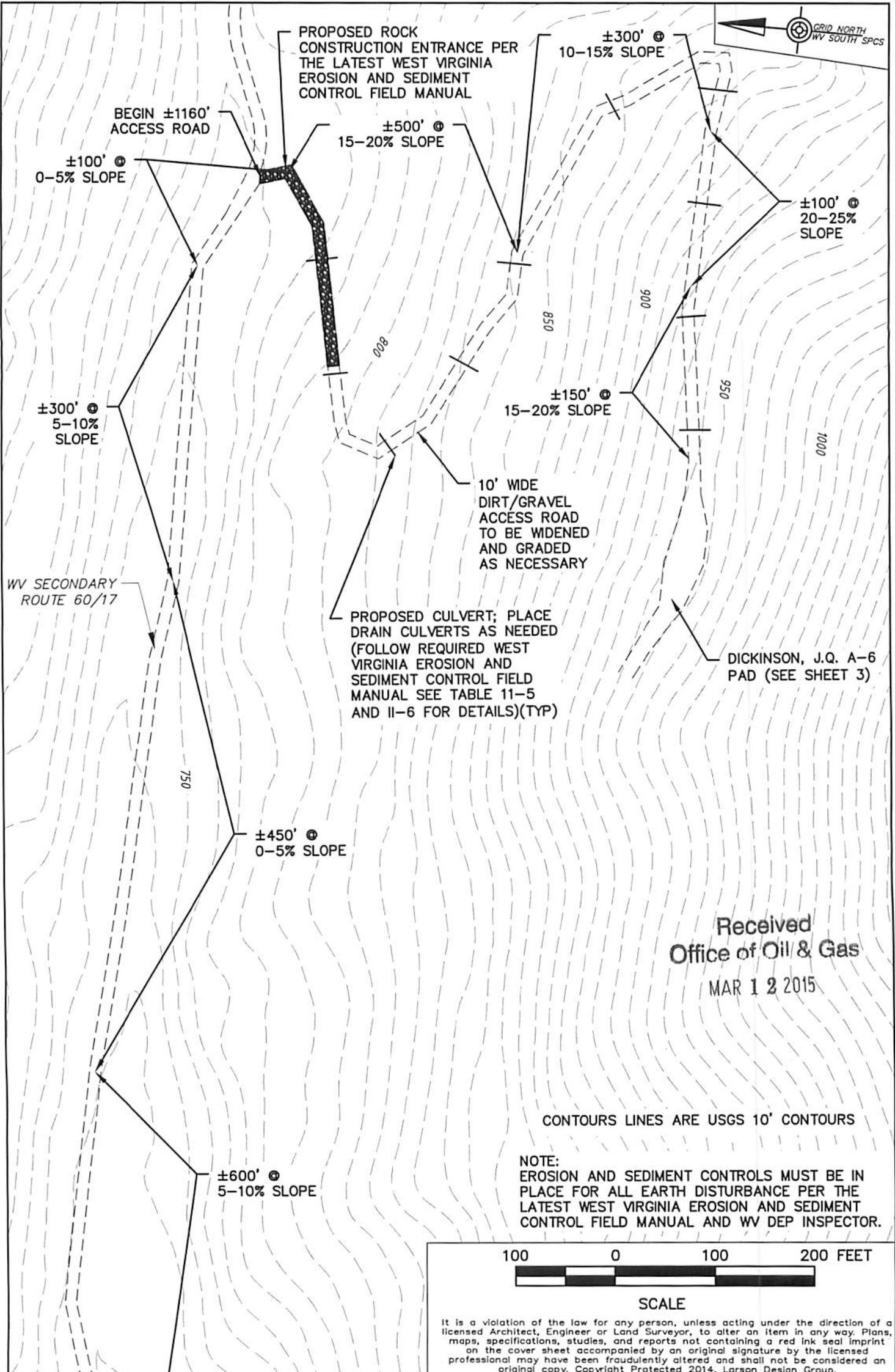
MALDEN DISTRICT, KANAWHA COUNTY, WEST VIRGINIA

CABOT OIL & GAS CORPORATION
FIVE PENN CENTER WEST, SUITE 401
PITTSBURGH, PA 15276-0130
PHONE (304) 595-5015
DATE: 4/24/14 DRAWN BY: RTC CHECKED BY: THK

Larson Design Group • Architects Engineers Surveyors
2502 Cranberry Square
Morgantown, WV 26508
PHONE 304.777.2940 TOLL FREE 877.323.6603
FAX 570.323.9902 • www.larsondesigngroup.com



PROJECT NO.: 8744-014
SHEET NO.: 1 of 3



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Office of Oil & Gas
MAR 12 2015

PROJECT NO.: 8744-014
SHEET NO.: 2 of 3

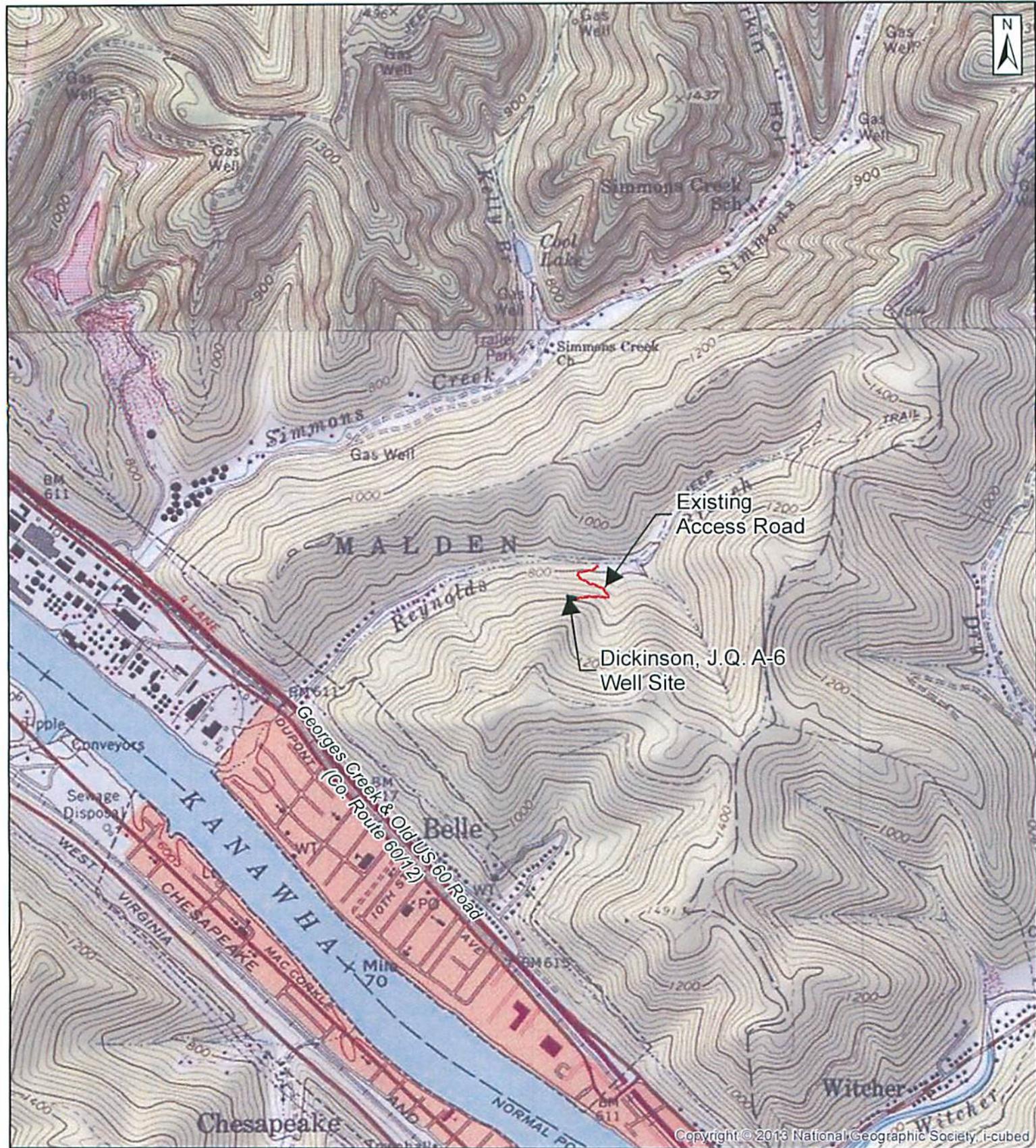
**RECLAMATION PLAN
DICKINSON, J.Q. A-6**

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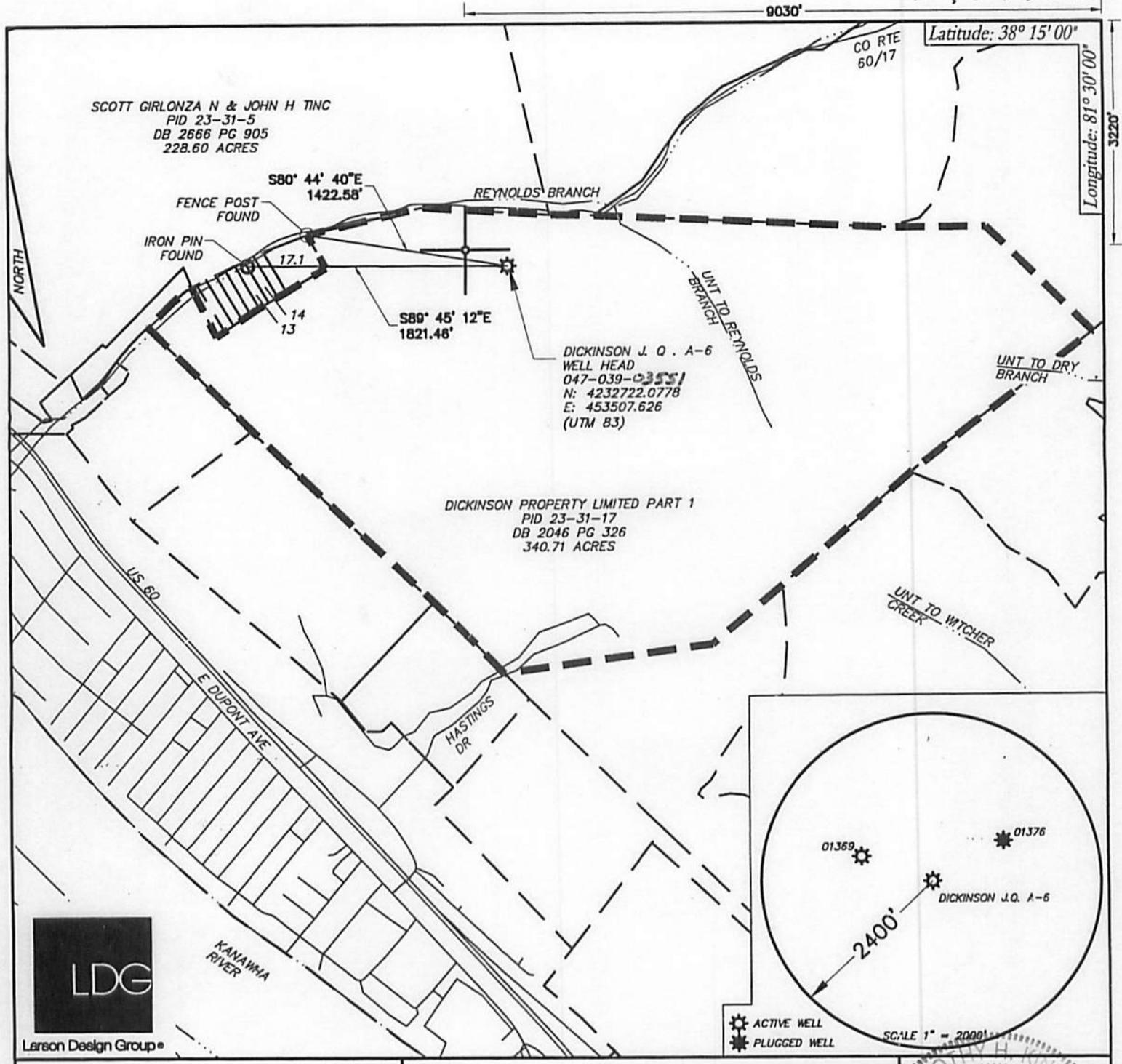
Received
 Dickinson, J.Q. A-6 Well Site
 Office of Oil & Gas Location Map
 Belle Quad
 Malden District, Kanawha County, WV

MAR 12 2015

Date	3/9/2015
Designer	CAB
Project No.	8744-014
Scale	1 inch = 2,000 feet



3903551P



FILE #: 8744-014

DRAWING #: 1

SCALE: 1" = 1000'

MINIMUM DEGREE OF ACCURACY: 1" in 2500'

PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS

PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *[Signature]*

R.P.E.: _____ L.L.S.: 1969



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDFP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

Office of Oil & Gas
MAR 12 2015

DATE: JUNE 19, 2014

OPERATOR'S WELL #: DICKINSON J.Q. A-6

API WELL #: 47 039 03551 P

STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: KANAWHA RIVER ELEVATION: 945'

COUNTY/DISTRICT: KANAWHA/MALDEN QUADRANGLE: BELLE

SURFACE OWNER: DICKINSON PROPERTY LIMITED PART 1 ACREAGE: 340.71

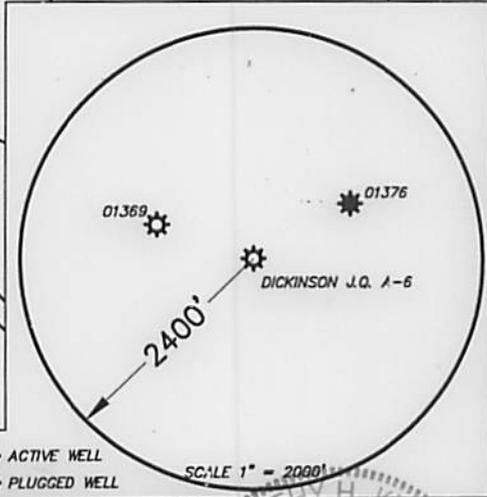
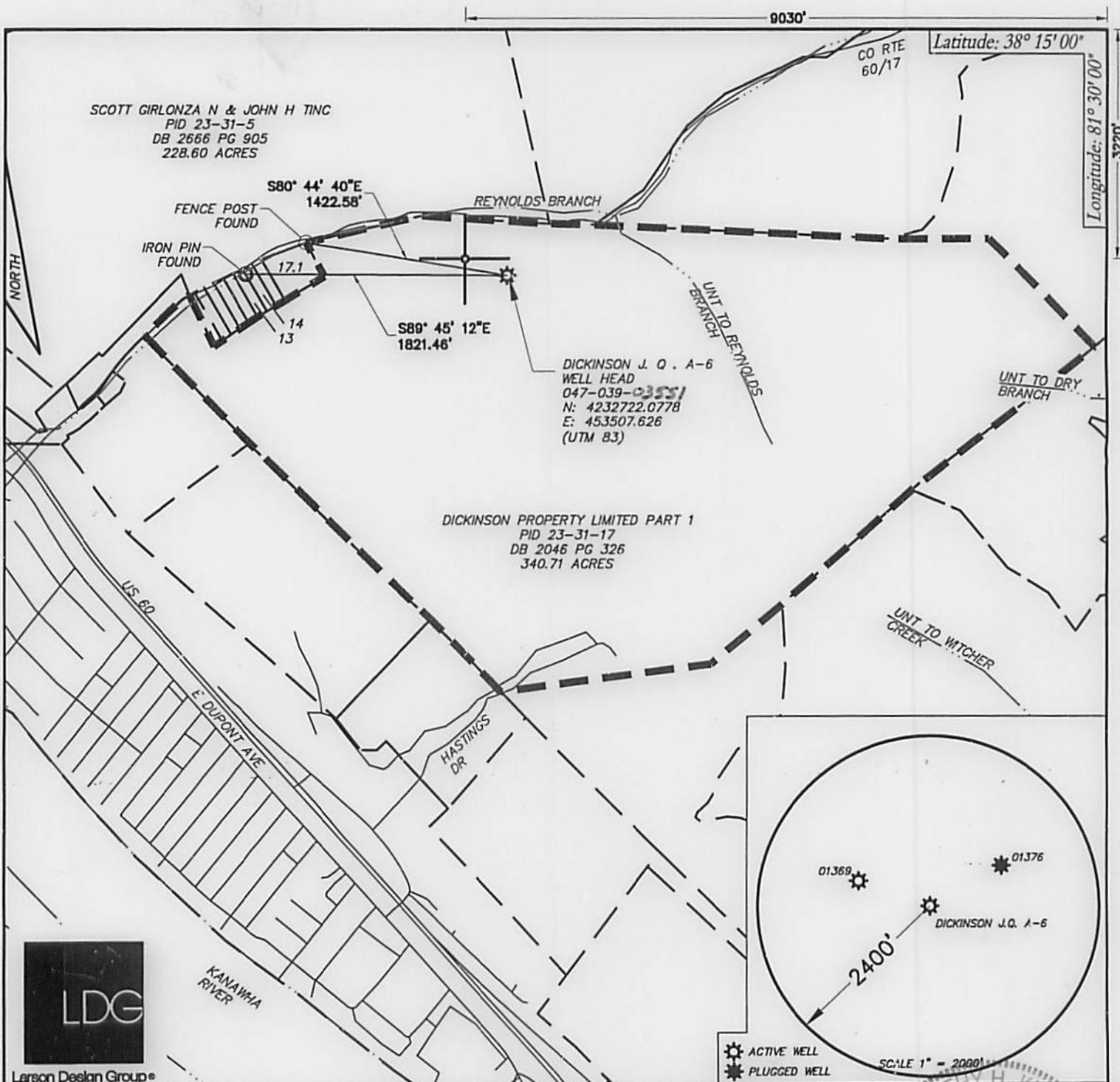
OIL & GAS ROYALTY OWNER: SOUTHERN LAND COMPANY (47-4007) ACREAGE: 378.375

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: WEIR ESTIMATED DEPTH: 1768' - 1848'

WELL OPERATOR CABOT OIL & GAS CORPORATION DESIGNATED AGENT WHITNEY JOHNSON
Address FIVE PENN CENTER WEST, SUITE 401 Address CABOT OIL & GAS CORPORATION, P.O. BOX 450
City PITTSBURGH State PA Zip Code 15276 City GLASGOW State WV Zip Code 25086

FORM WV-6



FILE #: 8744-014
 DRAWING #: 1
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1" in 2500'
 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS

PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 Signed: *[Signature]*
 R.P.E.: _____ L.L.S.: 1969

TIMOTHY H. KINDER
 LICENSED PROFESSIONAL SURVEYOR
 NO. 1969
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDFP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: JUNE 19, 2014
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 API WELL #: 47 039 03551 P
 STATE COUNTY PERMIT

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 Address FIVE PENN CENTER WEST, SUITE 401 Address CABOT OIL & GAS CORPORATION, P.O. BOX 450
 City PITTSBURGH State PA Zip Code 15276 City GLASGOW State WV Zip Code 25086

FORM WV-6

3903551A



CERTIFIED MAIL

March 9, 2015

Terry Urban
P.O. Box 1207
Clendenin, WV 25045

Re: J.Q. Dickenson A-6
Malden District, Kanawha County, WV
API # 47-039-03551
Written Application to plug and abandon wellbore

RECEIVED
Office of Oil and Gas

MAR 18 2015

Dear Mr. Urban:

WV Department of
Environmental Protection

Enclosed are the following forms for the subject well:

- Form WW-4A Notice of Application to Plug and Abandon Well (1 copy)
- Form WW-4B Application for a Permit to Plug and Abandon (1 copy)
- Well Location Plat Certified Copy of WVDEP Well Location Plat
- Form WW-9 Reclamation Plan and Site Registration Application (1 copy)

Copies of the Well Permit Application and Voluntary Statement of No Objection have been sent to the appropriate surface owner(s) and coal operator(s), owner(s) and lessee(s) for signature.

Please make necessary recommendations and sign the Reclamation Plan before forwarding to Chief, Division of Oil & Gas, 601 57th Street, Charleston, WV 25304

If you have any questions or need additional information, please contact me at 412-249-3850.

Sincerely,

Kenneth L. Marcum
Regulatory Supervisor

39 03551A



North Region
March 9, 2015

Chief
West Virginia Division of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: J. Q. Dickenson A-6
Malden District, Kanawha County, WV
API # 47-039-03551
Written Application to plug and abandon wellbore

Dear Chief:

In accordance with Article 22-6-23 of the Code of State Regulations regarding oil and gas operations, please find attached a formal application for the plug and abandonment of the subject well.

Notices of our intention to plug this wellbore have been sent to surface owner, coal owner, and coal operators associated with this well. Copies of the certified mail receipts are attached for your records.

If you have any questions or need additional information, I can be reached at 412-249-3850.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Kenneth L. Marcum'.

Kenneth L. Marcum
Regulatory Supervisor

Received
Office of Oil & Gas
MAR 12 2015