



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

January 17, 2014

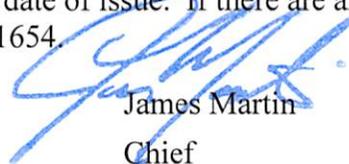
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4701318, issued to EQT PRODUCTION COMPANY, 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: 793799 (WVC-3693)
Farm Name: WOODS, ROGER & LEONARD
API Well Number: 47-4701318
Permit Type: Plugging
Date Issued: 01/17/2014

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.

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: Dec. 16, 2013
Operator's Well _____
Well No. 793799 WVC 3693
API Well No.: 47 047 - 01318

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

CK 17237
100⁰⁰

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) Elevation: 2180 Watershed: Oozley Branch
Location: Sandy River 06 County: McDowell 47 Quadrangle: Bradshaw 7.5' 261
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Gary Kennedy
Name: P.O. Box 268
Address: Nimitz, WV 25678

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

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

Work order approved by inspector

Gary Kennedy Date 12/27/13

PLUGGING PROGNOSIS

793799

McDowell COUNTY, WEST VIRGINIA
API # 47-047-01318BY: Beau Fry
DATE: 12/4/13**CURRENT STATUS:**

13 3/8" csg @ 42' Grouted
 8 5/8" csg @ 319' Cemented to surface
 4 1/2" csg @ 2023' Cemented to surface
 2 3/8" tubing @ 1516' ? 916' of steel and 600' of fiberglass
 5/8" rods @ ?
 TD @ 2023' possibly 1545'

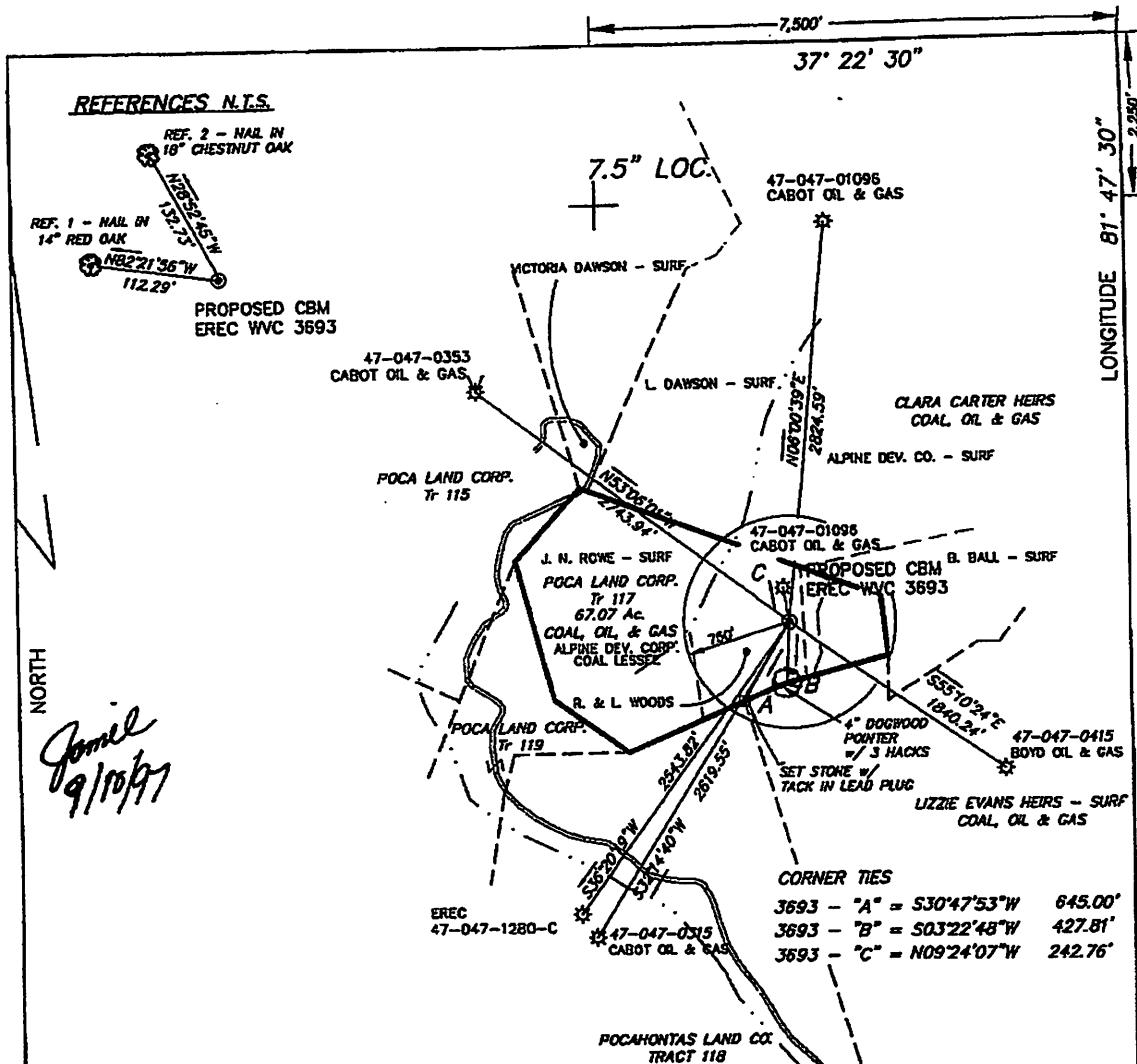
Oil Shows – None Reported FW Shows – None Reported Gas shows – None Reported

Coal Stimulation: Hole perforated @ 1209'-1362' Firecreek, Lower Firecreek, 1672' – 1803' poca # 1,3,5, Leader 5

- 4402
1. Notify State Inspector, Garv Kennedy, 1-304-382-~~9700~~ 48 hrs prior to commencing operations.
 2. TOOH w/ 5/8" rods.
 3. TOOH w/ 2 3/8" tubing and check condition.
 4. TIH w/ 2 3/8" tubing to 1950', Set 1000' CIA cement plug @ 1950' to 950.
 5. TOOH w/ tubing let cement cure.
 6. TIH w/ tubing check Cement top and set CIA Cement from Cement top to Surface totally filling remainder of well w/ cement (Coal Stimulation zones, 8 5/8" csg pt, 13 3/8" csg pt).
 7. Top off as needed ^{wv}
 8. Set Monument to ~~VA~~-DEP Specifications
 9. Reclaim Location & Road to ~~VA~~-DEP Specifications _{wv}

6% bel
Between plugs.JK
12/21/13

470138P



*Janice
9/10/97*

NOTE: NO POSSIBLE WATER SOURCES LOCATED WITHIN 1000' OF PROPOSED LOCATION.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL COORDINATES
W. VA. STATE PLANE
N 135360.0399
E 1762281.0084

File No 9614-10
 DRAWING No. EREC WVC 3693
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION USGS BM 151 RHP, 1959, EL. 2156

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS 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 MINES

(SIGNED) [Signature]
 R.P.E. _____ R.P.S. 646

WILLIAM J. WATKINS
 REGISTERED
 No. 846
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE JULY 5 19 97
 OPERATOR'S WELL No. WVC 3693
 API WELL No. _____

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2183.40 WATER SHED UNNAMED BRANCH OF BEARTOWN FORK
 DISTRICT SANDY RIVER COUNTY MCDOWELL
 QUADRANGLE BRADSHAW, W. VA. - VA.

SURFACE OWNER ROGER AND LEONARD WOODS ACREAGE 12.5
 OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORP. LEASE ACREAGE 15.528
 LEASE No. 497880L

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION PENNSYLVANIAN COALS ESTIMATED DEPTH 2090'
 WELL OPERATOR EQUITABLE RESOURCES ENERGY CO. DESIGNATED AGENT DAVID PEAN
 ADDRESS 1989 EAST STONE DR. ADDRESS P.O. DRAWER 40
KINGSPORT, TN 37660 BUCHANNON, WV 26201

FORM IV-6 (8-78)

RECEIVED
Office of Oil & Gas

DEC 19 2013

WV Department of Environmental Protection

WVC 3693

WR-35

10-Sep-97
API # 47- 47-01318 C

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: WOODS, ROGER, ETAL Operator Well No.: WVC-3693

LOCATION: Elevation: 2,183.40 Quadrangle: BRADSHAW

District: SANDY RIVER County: MCDOWELL
Latitude: 2250 Feet South of 37 Deg. 22Min. 30 Sec.
Longitude 7500 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: EQUITABLE RESOURCES EXP.
1989 E. STONE DR., P.O. BOX 1983
KINGSPORT, TN 37662-1983

Agent: DAVID A. DEAN

Inspector: OFIE HELMICK
Permit Issued: 09/12/97
Well work Commenced: 10/19/97
Well work Completed: 10/22/97
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) LTD=2045 DTD=2050
Fresh water depths (ft) 1310

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 219-224, 323-326, 419-421,
544-547, 1024-1028, 1209-1215, 1336-1340,
1356-1358, 1669-1674, 1772-1777, 1800-1803
OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	42	42	
8 5/8	319	319	103
4 1/2	2023	2023	573
2 3/8	1997	1997	

Producing formation COAL SEAMS * Pay zone depth (ft) 209.5-1874.
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 36 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 100 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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

- * BECKLEY POCO #5
- FIRECREEK POCO #5 LEADER
- L FIRECREEK POCO #3
- POCO #1

For: MICHAEL P JASKOSKI
EQUITABLE RESOURCES EXP. INC.

By: Michael P Jaskoski W.M. Department of
Date: _____ Environmental Protection

RECEIVED
Office of Oil & Gas

DEC 19 2013

API #: 47-047-01318 C
OPERATOR WELL #: WVC3693
FARM NAME: ROGER WOODS ET AL

1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

1ST STAGE - PERFORATED POCO SEAMS #1, 3, 5 LEADER, & 5 FROM 1672.5 - 1874.5 WITH 17 PERFORATIONS. FRACTURED ON 11/17/97 BY DOWELL WITH 70Q LE FOAM; 19300# 12/20 SAND, 620,000 SCF N2, 493 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 2100 PSI, MAX PRESSURE 4083 PSI, AVERAGE PRESSURE 3740 PSI, ISIP 1762 PSI, 1 MIN SIP 1721 PSI, 5 MIN SIP 1652 PSI. AVERAGE INJECTION RATE 44 BPM. F.G. = 1.24. SET FRAC PLUG @ 1395'

2ND STAGE - PERFORATED BECKLEY, FIRECREEK & L FIRECREEK FROM 1209.5 - 1362.5 WITH 17 PERFORATIONS. FRACTURED ON 11/18/97 BY DOWELL WITH 70Q LE FOAM; 17800# 12/20 SAND, 480,000 SCF N2, 402 TOTAL BBLs FLUID. BREAKDOWN PRESSURE 2561, MAX PRESSURE 4147 PSI, AVERAGE PRESSURE 3610 PSI, ISIP 1000 PSI, 1 MIN SIP 952 PSI, 5 MIN SIP 865 PSI., AVERAGE INJECTION RATE 47 BPM. F.G. = 1.51.

2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SAND, SHALE & THIN COALS	0	1211	1211
BECKLEY	1211	1215	4
SAND, SHALE & THIN COALS	1215	1338	123
FIRE CREEK	1338	1341	3
SAND, SHALE & THIN COALS	1341	1362	21
L FIRECREEK	1362	1363	1
SAND, SHALE & THIN COALS	1363	1672	309
POCO #5	1672	1676	4
SAND, SHALE & THIN COALS	1676	1692	16
POCO #5 LEADER	1692	1693	1
SAND, SHALE & THIN COALS	1693	1774	81
POCO #3	1774	1777	3
SAND, SHALE & THIN COALS	1777	1874	97
POCO #1	1874	1876	2
SAND, SHALE & THIN COALS	1876	2045	169

LOGGER'S TOTAL DEPTH
DRILLER'S TOTAL DEPTH

2045
2050

RECEIVED
Office of Oil & Gas

DEC 19 2013

WV Department of
Environmental Protection



Historical Well Chronology

Is Equipment Pulled off? PLUG

Well Name: 793799 WVC3693

API 4704701318	Enertia Well # 793799	PUD Name & #	Permit Number	Permit Date	Prod Resp Party	Farm Name (WV)	Operator	State WV
rig KB Elev...	Spud Date 10/18/1997	Planned Well Geometry	Well Type Conventional	Loc Stal from LM spud	Area	County Mc Dowell, WV	Quad	

Job Category: Completion/Workover, Job Start Date: 4/7/2007

Job Category Completion/Workover	AFE Number	Start Date 4/7/2007	Date TD Reached (wellbore)	Target Dapth (ftKB)	Total AFE Amount (Cost)
-------------------------------------	------------	------------------------	----------------------------	---------------------	-------------------------

Summary

Report #: 1.0 DFS: 3092.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/7/2006 06:00	Operations at Report Time Workover	Last Casing String
-----------------------------------	---------------------------------------	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
On 4/7: Move rig from Oceana to Bradshaw. MIRU Key. Pulled 59 rods 2 - 6' ponies 1 - 8' pony 1 - 4' pony & pump.

Report #: 2.0 DFS: 3093.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/8/2006 06:00	Operations at Report Time Workover	Last Casing String
-----------------------------------	---------------------------------------	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
On 4/7: Pulled 2jts (31.40) & 2 pup joints (10 & 8). Put TD @ 1441. Then started swbing. Swb 5" into tank (210bbl). Put well in line for weekend.

Report #: 3.0 DFS: 3097.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/12/2006 06:00	Operations at Report Time Workover	Last Casing String
------------------------------------	---------------------------------------	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
Arrive loc 7:00 AM. BJ arrive 8:00 AM. Pump 500 gal 15% Hcl acid. Wait on Stacey water truck. Driver was lost arrived 1:00 PM - scheduled for 10:00 AM. Pumped 22 bbls water. Ran 2 jnts tubing back in. Swab well. Ran pump and rods. Will pump up in AM & move.

Report #: 4.0 DFS: 3098.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/13/2006 06:00	Operations at Report Time Workover	Last Casing String
------------------------------------	---------------------------------------	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
On 4/12: Hooked up pumping jack and put well in line. RDMO Key.

Report #: 5.0 DFS: 3585.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/13/2007 06:00	Operations at Report Time MIRU	Last Casing String
------------------------------------	-----------------------------------	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
AM Status: MIRU Francis Bros CU.

Report #: 6.0 DFS: 3586.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/14/2007 06:00	Operations at Report Time Ck pressure	Last Casing String
------------------------------------	--	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
AM Status: TOOH w/ pump + 5/8" skr rods. On 8/12: SICP=11#, SITP=0#. MCFD rate to be calculated today. MIRU Francis Brothers CU. BD fence, PU, WH. Fittings on WH corroded due to salt water. RU to TOOH w/ pump + 5/8" skr rods. Pull up on pump, pump came unseated, tbg on vacuum.

640730 Francis Brothers \$ 1000

Report #: 7.0 DFS: 3587.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/15/2007 06:00	Operations at Report Time Pump Change	Last Casing String
------------------------------------	--	--------------------

Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB)	End Depth (ftKB)	Drill Hrs (hr)	Avg ROP (ft/hr)	Daily Contacts
		0.0	0.0			

Operations Summary
AM Status: Load tbg w/ water to ensure pump effectiveness. RDMO to WVC-3585 (793788). On 8/14: SICP=0#, SITP=0#. MCFD=0, TOOH w/ total of 59 5/8" skr rods + 1 1/4" 3-tube DH pump + gas anchor. Gas anchor was completely blocked off with scale/fines. RU to TOOH w/ pump + 5/8" skr rods + 2 pup jts (1525.6') 2 3/8" 4.6# 10r NUE tbg. Observed scale on bottom 10 jts. RIH w/ tools to check TD at 1540'. TIH w/ 48 jts + 2 pup jts (1525.6') 2 3/8" 4.6# 10r NUE tbg. TIH w/ 5' gas anchor + 2" x 1 1/4" x 15' 3 tube style DH pump + 59 5/8" skr rods. Check pump action w/ bag, OK. TBIL.

640730 Francis Brothers \$ 2210
640720 Miller Supply \$ 1200

RECEIVED
Office of Oil & Gas

WV Department of
Environmental Protection

4701318P



Historical Well Chronology

Where energy meets innovation

Well Name: 793799 WVC3693

API 4704701318	Enertia Well # 793799	PUD Name & #	Permit Number	Permit Date	Prod Resp Party	Farm Name (WV)	Operator	State WV
Orig KB Elev...	Spud Date 10/19/1997	Planned Well Geometry	Well Type Conventional	Loc Stat from LM spud	Area	County Mc Dowell, WV	Quad	

Report #: 8.0 DFS: 3588.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 8/16/2007 06:00	Operations at Report Time TBIL	Last Casing String
Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB) 0.0
		End Depth (ftKB) 0.0
		Drill Hrs (hr)
		Avg ROP (ft/hr)
		Daily Contacts

Operations Summary
AM Status: TBIL. On 8/15: SICIP=3#, SICIP=0#, MCFD=0. Francis Bros. loaded tbg w/ water to ensure pump effectiveness. Pump is working good. Left well pumping. RDMO to WVC-3585 (793788).
640730 Francis Brothers \$ 740

Job Category: Completion/Workover, Job Start Date: 4/1/2008

Job Category Completion/Workover	AFE Number	Start Date 4/1/2008	Date TD Reached (wellbore)	Target Depth (ftKB)	Total AFE Amount (Cost)
-------------------------------------	------------	------------------------	----------------------------	---------------------	-------------------------

Summary

Report #: 1.0 DFS: 3817.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/1/2008 06:00	Operations at Report Time Acidize	Last Casing String
Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB) 0.0
		End Depth (ftKB) 0.0
		Drill Hrs (hr)
		Avg ROP (ft/hr)
		Daily Contacts

Operations Summary
On 3/31: MIRU Halliburton & wtr truck. Acidizing CBM. Removed WH & installed frac valve. Halliburton pressure tested lines to 3750psi. Began pumping job. Pumped 750gal 15%HCL + 8bbl CKI wtr + 400lbs rock salt. Flushed w/ 20bbl wtr. RDMO Halliburton & wtr truck.
Halliburton - \$3009.24
Wtr Truck - \$500.00

Report #: 2.0 DFS: 3833.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/17/2008 06:00	Operations at Report Time Drl Out obstruction	Last Casing String
Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB) 0.0
		End Depth (ftKB) 0.0
		Drill Hrs (hr)
		Avg ROP (ft/hr)
		Daily Contacts

Operations Summary
AM Status: Continue to Drill on well. On 4/16: Francis Bros MIRU. BWD. Loaded old tbg from loc. RIH. hit TD @ 1545'. Drl on well to get to TD. Sand pumped well, went back to drlg. No sign of calcium or sand.
Total Cost \$1,920.00

Report #: 3.0 DFS: 3841.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/25/2008 06:00	Operations at Report Time Run rods	Last Casing String
Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB) 0.0
		End Depth (ftKB) 0.0
		Drill Hrs (hr)
		Avg ROP (ft/hr)
		Daily Contacts

Operations Summary
AM Status: Run rods w/Francis Bros. On 4/24: MIRU Francis Bros. BWD. TIH w/2 3/8" 8rd 4.7# EUE 916' steel. 600' fiberglass tbg 2 3/8" + SN.
Total Cost \$1,478.00

Report #: 4.0 DFS: 3844.25 Rigs: <Rig?> Job Category: Completion/Workover

Report End Date 4/28/2008 06:00	Operations at Report Time RDMO Rig	Last Casing String
Day Total (Cost)	Cum To Date (Cost)	Start Depth (ftKB) 0.0
		End Depth (ftKB) 0.0
		Drill Hrs (hr)
		Avg ROP (ft/hr)
		Daily Contacts

Operations Summary
AM Status: RDMO Francis Bros. to 511547. On 4/25: Francis Bros RIH w/rods 5/8" class "D". Pumped well, got fluid to surface.
Total Cost \$2,070.00

RECEIVED
Office of Oil & Gas

DEC 19 2013

WV Department of
Environmental Protection

NOTE_TEXT

1	GREATER THAN 10Mcf/d: 2007
2	Flo Cal
3	Code - 97
4	NO
5	Brenton WV CBM.
6	BR4 200 WELLS
7	Brenton CBM wells.
8	Still Flat - No
9	EQT operated wells that flow through Cabot pipelines.
10	EQT Wells flowing through Cabot Pipelines.
11	Dead, To be plugged
12	Shut In Report - No Gas (RM) recommend we plug / FDM Downtime Comment - Rock Pressure
13	Brenton Defect Plan.
14	Orifice Plate Diameter - 0.375 / Tube Diameter - 2.06500005722046
15	Equitable Production assumed operations of well on 01/01/2006 from Cabot Oil & Gas Corporation.
16	put cups in pumping jack
17	3# x2 5 mcf
18	Grease Pumping Unit-7# x 4 8 mcf
19	Grease Pumping Unit-5 mcf well not making any water
20	no press. on casing shut well in for 17 hrs. still no press. left shut-in comp. would be running on vaccum
21	Downtime - Rock Pressure
22	well has been shut-in over 2 months still no press on well
23	Blow Drip - Location-comp. down low sc. press. restarted
24	Blow Drip - Location-
25	Blow Drip - Location-
26	Blow Drip - Location-pumping would not start comp. still down
27	Blow Drip - Location-comp, still down pumping jack not making water
28	Blow Drip - Location-
29	Blow Drip - Location-SHUT PUMPING JACK DOWN HITTING BOTTOM
30	Maintenance-Well will not produce water or gas.
31	Maintenance-No Flow, Well will not produce water, or gas.
32	Blow Drip - Location-Grease Pumping Unit -Well was placed back on line. Well producing good water.
33	Blow Drip - Location-Grease Pumping Unit -Well producing good water, not showing any flow at this time.
34	Blow Drip - Location-Grease Pumping Unit -Well still producing good water, since rig work over. No gas ye
35	Blow Drip - Location-Grease Pumping Unit-No Gas, Well producing about 4bbls per day.
36	Blow Drip - Location-Grease Pumping Unit-
37	Blow Drip - Location-Grease Pumping Unit-Well producing water, but no gas.
38	Blow Drip - Location-Grease Pumping Unit-0-mcf
39	Blow Drip-Location-Grease Pumping Unit-0-mcf
40	Blow Drip - Location-0-mcf
41	Blow Drip - Location-Well still producing some water, no gas.
42	Blow Drip - Location-0-mcf, Making water. Well head pressure 2.5#
43	Blow Drip - Location-0-mcf, Well producing some water, around 6 bbls per day. Well head pressure around 12.4
44	Blow Drip - Location-0-mcf
45	Blow Drip - Location-0-mcf
46	(WVC-3693). Worked well over. Never came back. Well is dead. Remove forecast
47	Blow Drip - Location-0-mcf, Well producing water.
48	Blow Drip - Location-0-mcf

RECEIVED
Office of Oil & Gas

DEC 19 2013

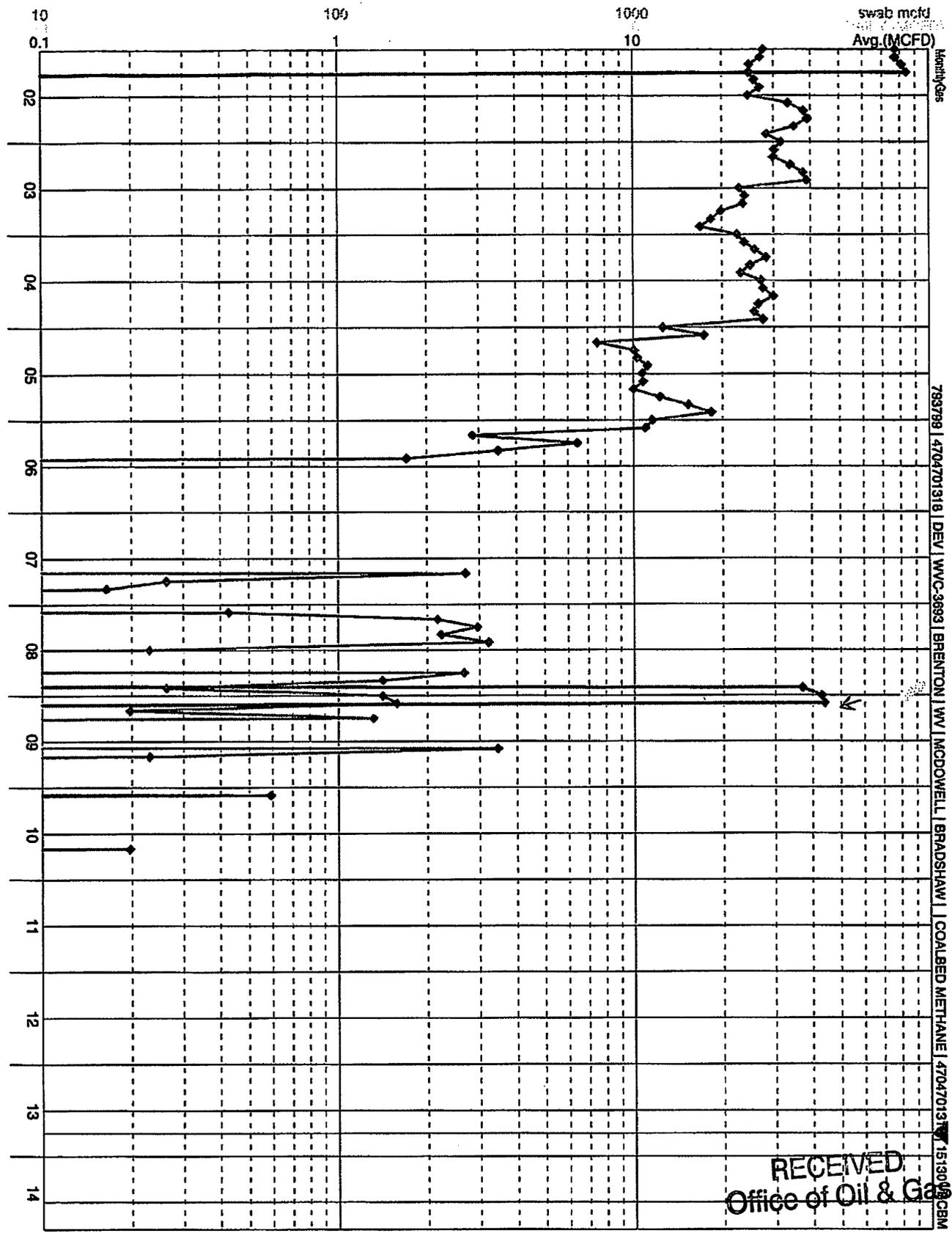
WV Department of
Environmental Protection

	NOTE_TEXT
49	Blow Drip - Location-0-mcf, Well producing some water, no gas.
50	Blow Drip - Location-0-mcf,
51	Change Chart/Download Meter-0-mcf, Well will not produce gas.
52	Change Chart/Download Meter-October Total 0-mcf, Code D, Scaled in.
53	Change Chart/Download Meter-Nov tot. 0-mcf. D-Dont know.
54	Blow Drip - Location -Dec total 0-mcf, Down 185mcf, Code D-down hole problem.
55	Blow Drip - Location -Jan total-0-mcf, Code-D
56	Maintenance -(Mar,D,No gas)
57	Message to Eng or Supt-This well is shut in, due to no gas, but I still need to do the production method. It will not let
58	Wellhead_Compressor-Well is shut down due to no gas.
59	

RECEIVED
Office of Oil & Gas

DEC 19 2013

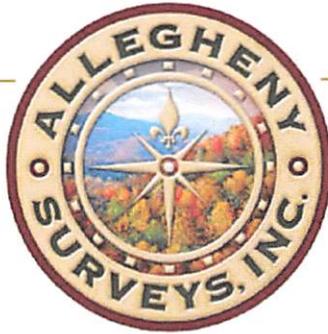
WV Department of
Environmental Protection



RECEIVED
Office of Oil & Gas

DEC 19 2013

WV Department of
Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. WVC 3693 WV 793799 (47-047-01318)

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the existing well site. The following landowners will be notified of the opportunity to request a water sample.

*Please note that the following information is subject to change upon field inspection.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 296' +/- Owner: George & Christine Smith

Address: 205 Peartree Ave Berlin, NJ 08009

Phone No. _____

Comments:

Site: 2 Spacing: 417' +/- Owner: George & Christine Smith

Address: 205 Peartree Ave Berlin, NJ 08009

Phone No. _____

Comments:

RECEIVED
Office of Oil & Gas

DEC 19 2013

ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road

WV Department of
Environmental Protection
phone: 304-756-2949
fax: 304-756-2948

BIRCH RIVER OFFICE
P.O. Box 438 • 237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

CALDWELL OFFICE
212 Cumberland Street
Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

4701318

Topo Quad: Bradshaw 7.5'

Scale: 1" = 2000'

County: McDowell

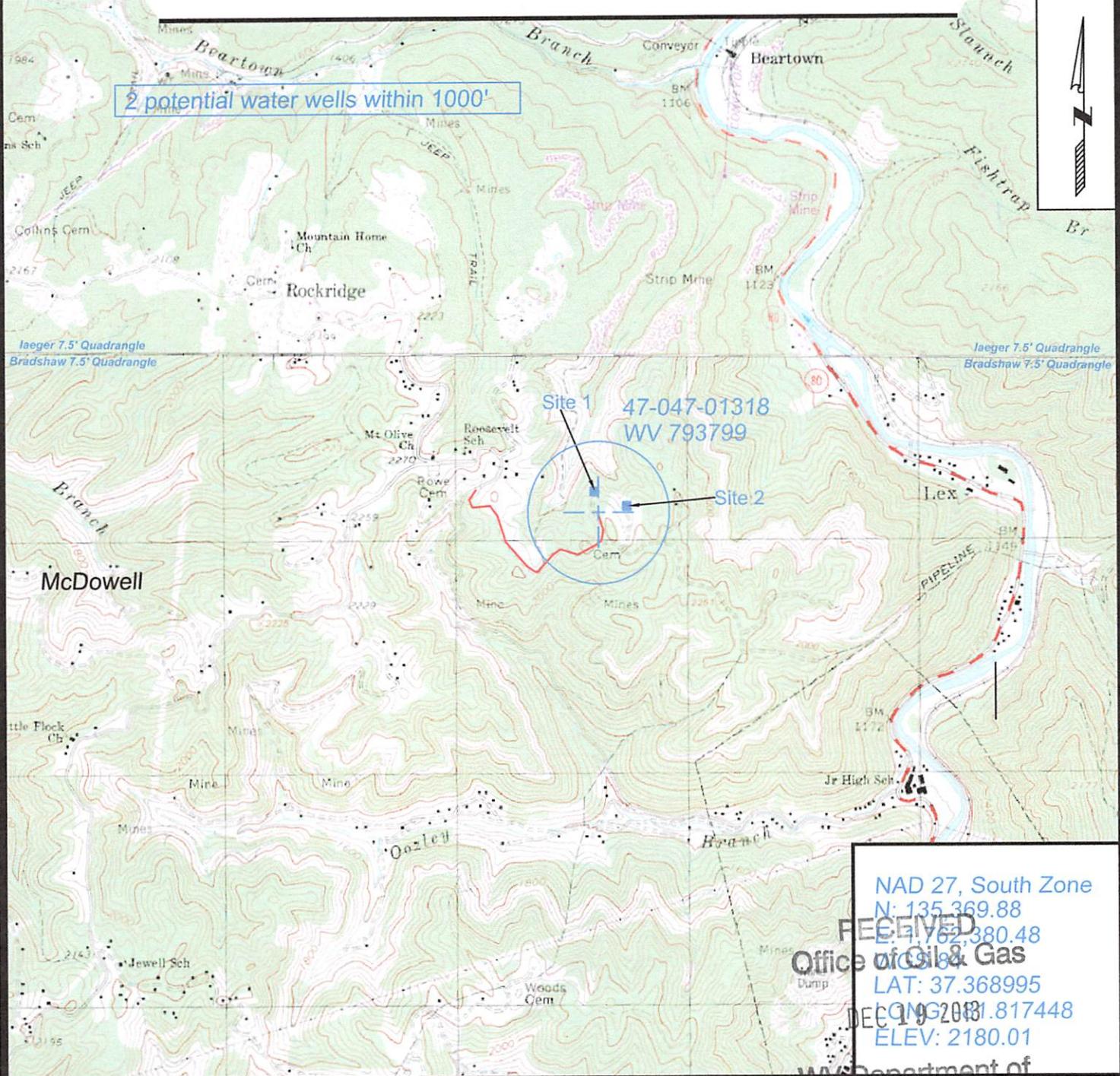
Date: November 27, 2013

District: Sandy River

Project No: 20-37-00-08

Water

47-047-01318 WV 793799 (WVC 3693)



NAD 27, South Zone
 N: 135 369.88
 E: 1762,380.48
 LAT: 37.368995
 LONG: 81.817448
 ELEV: 2180.01

RECEIVED
 Office of Oil & Gas
 DEC 19 2013



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
WV Department of Environmental Protection
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330

4701318P

WW-4-A
Revised 6/07

1) Date: Dec. 16, 2013
2) Operator's Well Number
793799 WVC 3693
3) API Well No.: 47 047 - 01318
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name Roger & Leonard Woods ✓
Address P.O. Box 133
Bradshaw, WV 24817
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gary Kennedy ✓
Address P.O. Box 268
Nimitz, WV 25678
Telephone 304-382-8402

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Pocahontas Land Corporation ✓
P.O. Box 1517
Address Bluefield, WV 24701
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Alpine Development Company ✓
Address P.O. Box 303
Welch, WV 24801

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

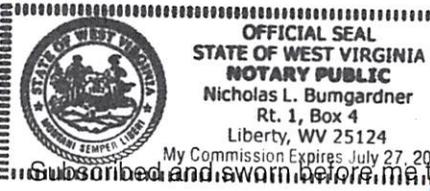
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have 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 Division 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:
By: _____
Its: _____
Address: _____
Telephone: _____

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

[Signature]
RECEIVED
Office of Oil & Gas
DEC 19 2013
Notary Public



My Commission Expires: 6/27/2018

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____

Watershed: Oozley Branch Quadrangle: Bradshaw 7.5'

Elevation: 2180 County: McDowell District: Sandy River

Description of anticipated Pit Waste: Formation Fluids

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

Will synthetic liner be used in the pit? Yes Is so, what ml.? 30 ml

Proposed Disposal Method for Treated Pit Wastes: *AK*
 Land Application
 Underground Injection - UIC Permit Number _____
 Reuse (at API Number) _____
 Offsite Disposal Permit #. _____
 Other: Explain _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____
If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? _____

Will closed loop system be used? _____

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____
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 Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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.

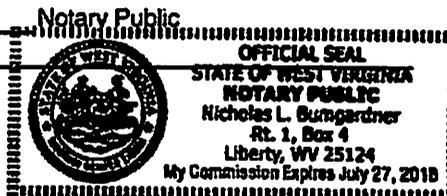
Company Official Signature *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

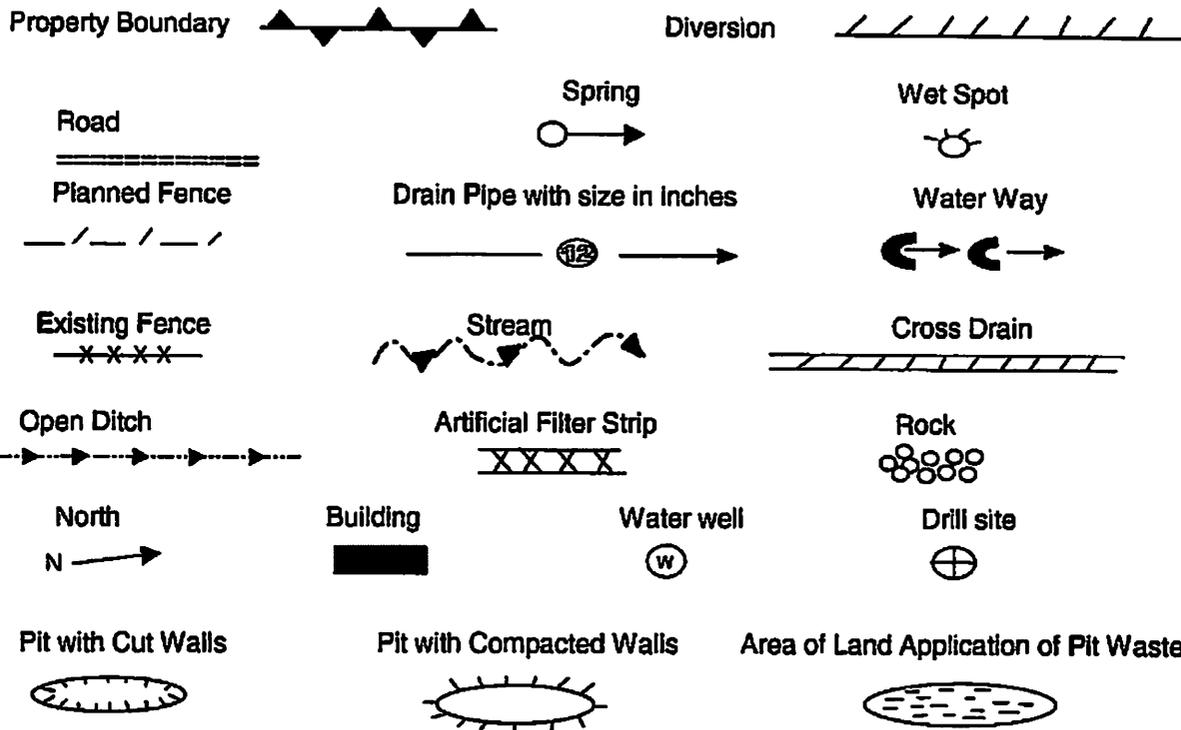
Subscribed and sworn before me this 16 day of DECEMBER, 2013

My Commission Expires 6/27/2018



OPERATOR'S WELL NO.:
793799 WVC 3693

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

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

Photocopies section of involved 7.5' topographic sheet.

Plan approved by: *Ang Kennedy*

Comments: _____

Title: Inspector Date: 12/27/15

Field Reviewed? Yes No

Topo Quad: Bradshaw 7.5'

Scale: 1" = 2000'

County: McDowell

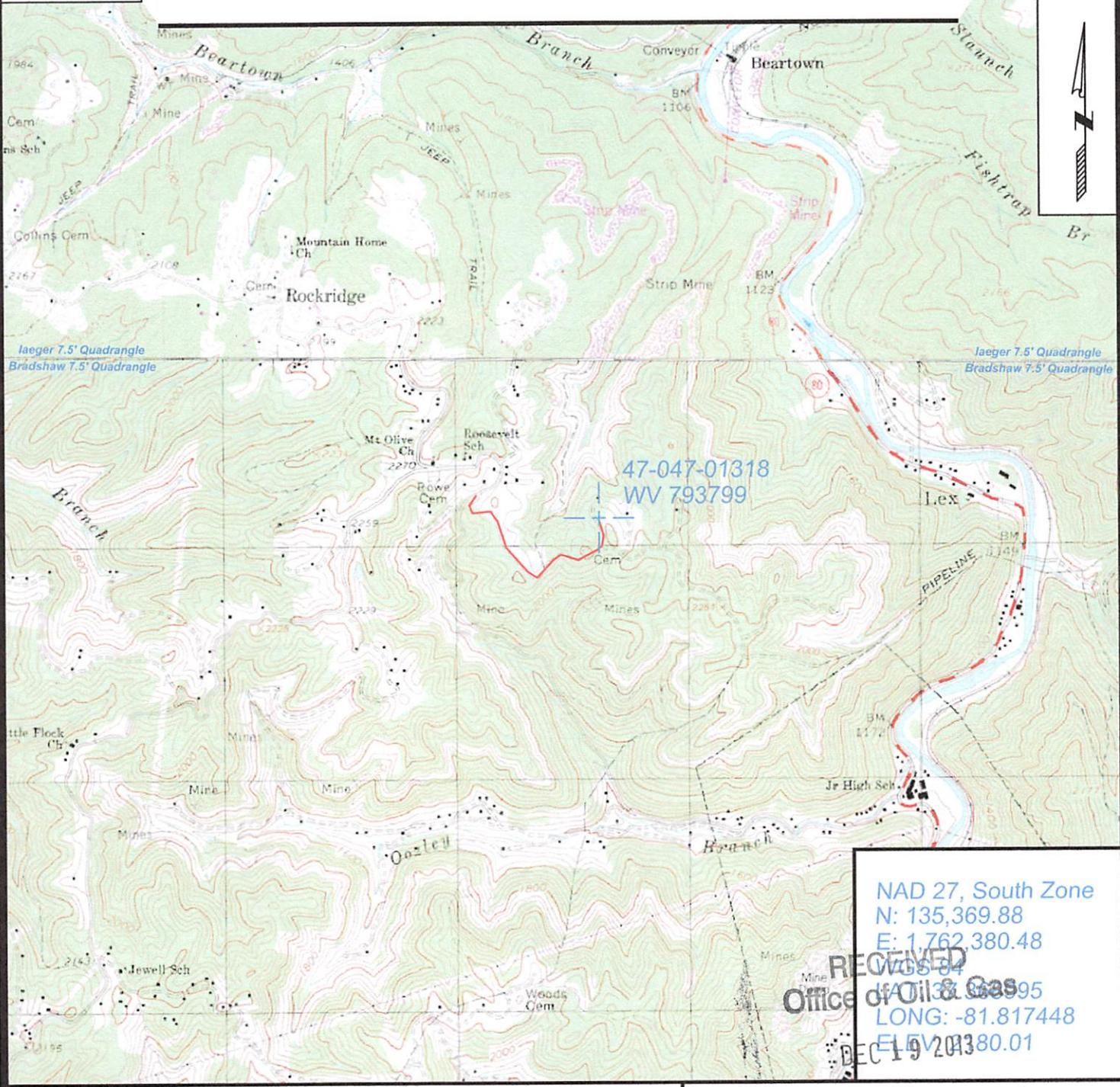
Date: November 27, 2013

District: Sandy River

Project No: 20-37-00-08

47-047-01318 WV 793799 (WVC 3693)

Topo



NAD 27, South Zone
 N: 135,369.88
 E: 1,762,380.48
 LONG: -81.817448
 ELEV: 380.01

RECEIVED
 Office of Oil & Gas
 DEC 19 2013



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
WV Department of
EQT, Production Company
 Environmental Protection
 P.O. Box 280
 Bridgeport, WV 26330

