



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

August 26, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8100824, 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: A-1, GW-1988
Farm Name: BROOKS, ROY A. - HEIRS
API Well Number: 47-8100824
Permit Type: Plugging
Date Issued: 08/26/2014

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.

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

Date: 7-8-14
Operator's Well
Well No. 122481 Newman A1 GW1998
API Well No.: WV 081 - 00824

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

✓17838
100⁰⁰

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas Liquid Injection Waste Disposal:
If Gas, Production X Or Underground storage Deep Shallow
- 5) Elevation: 1983' Watershed: Marsh Fork
Location: Trap Hill County: Raleigh Quadrangle: Arnett 7.5'
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 25978
- 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 7/18/14

PLUGGING PROGNOSIS

Newman A-1, GW-1988 (122481)

Raleigh Co., West Virginia
API # 47-081-00824
District: Trap Hill

BY: Craig Duckworth
DATE: 4/2/14

CURRENT STATUS:

- 9 5/8" csg @ 1002' (cts)
- 7" csg @ 2677' (cts)
- 4 1/2" csg @ 6535' (753cu.ft)
- 2 3/8" tbg @ 6348'

TD @ 6544'

Fresh Water @ 280', 340', 343', 380' Salt Water @ none reported
 Salt Sand @ 1240' Coal @ none reported
 Gas shows @ none reported
 Oil Shows @ none reported Elevation @ 1984'

Stimulation: Rhinestreet 5868' to 6360', U. Devonian 3605'-4530', Maxon 1690'-2352'

CHECK 2 3/8" TUBING. DETERMINE IF EXISTING CAN BE USED AS WORK STRING

1. Notify State Inspector, Gary Kennedy 304-382-8402, and 24 hrs prior to commencing operations.
2. TIH w/ tbg @ 6360'; Set 660' C1A Cement Plug @ 6360' to 5700' (Perfs. 6360' to 5868')
3. TOOH w/ tbg @ 5700'; Gel hole @ 5700' to 4630'
4. TOOH w/ tbg @ 4630'; Set 1180' C1A Cement Plug @ 4630' to 3450' (4530' to 3605')
5. TOOH w/ tbg @ 3450'; gel hole @ 3450' to 2730'
6. TOOH w/ tbg Freepoint 4 1/2". Cut/shoot 4 1/2" at freepoint
7. Set a 100' C1A Cement Plug 50' in/Out of cut. Perf all FW, Coal, Oil & Gas Shows below 4 1/2" cut. Do not omit any plugs.
8. TIH w/ tbg @ 2730'; Set 130' C1A Cement Plug @ 2730' to 2600' (4 1/2" cut & 7" csg set)
9. TOOH w/ tbg @ 2600'; gel hole @ 2600' to 2352'
10. TOOH w/ tbg @ 2352'; Set 750' C1A Cement Plug @ 2350' to 1600' (Maxon perfs. 2352' to 1690')
11. TOOH w/ tbg @ 1600'; gel hole @ 1600' to 1200'
12. TOOH w/ tbg @ 1200'; Set 250' C1A Cement Plug @ 1200' to 950' (Salt Sand 1240' & 9 5/8" @ 1002')
13. Set a 100' C1A Cement Plug 50' in/Out of cut. Perf all FW, Coal, Oil & Gas Shows below 9 5/8" cut. Do not omit any plugs
14. TOOH w/ tbg @ 950'; gel hole @ 950' to 400'
15. TOOH w/ tbg @ 400'; Set 400' C1A Cement Plug @ 400' to 0' (FW @ 380', 343', 340', 280')
16. Top off as needed
17. Set Monument to WV-DEP Specifications
18. Reclaim Location & Road to WV-DEP Specifications.

OK
Jimmie

YAK

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15-Jun-88
GPI # 42- 81-00824

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Operator's Report of Well Work

Well name: BROOKS- Rd. A. - HEIRS Operator Well No.: A-1, GW-1988

LOCATION: Elevation: 1984.31 Quadrangle: ARNETT

District: TRAF HILL County: RALEIGH
Latitude: 3350 Feet South of 37 Deg. 48Min. 0 Sec.
Longitude: 4350 Feet West of 81 Deg. 22 Min. 30 Sec.

Company: OXY USA, INC.
P.O. BOX 873
CHARLESTON, WV

Agent: DELBERT G. OLIVER

Inspector: ROONEY G. HILLON
Permit Issued: 06/15/88
Well work Commenced: 8-6-88
Well work Completed: 4-9-89
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 6544'
Fresh water depths (ft) 280', 340',
343', 380'
Salt water depths (ft)
Is coal being mined in area (Y/N)? N
Coal Depths (ft):

Size	Used in	Left	Cement
Conductor	Drilling	in Well	Fill Up
			Co. Ft.
20"	26'	26'	Surface
9.625"	1002'	1002'	Surface
Inter-mediate			
7"	2677'	2677'	Surface
Production:			
4.5"	6535'	6535'	753 cuft
Tubing			
2.375"		6348'	

OPEN FLOW DATA

Rhinestreet, Upper Devonian,
Maxon
Producing formation..... Pay zone depth (ft) 1690-6360'
Gas: Initial open flow.....MCF/d Oil: Initial open flow.....Bbl/d
Final open flow 381.....MCF/d Final open flow.....Bbl/d
Time of open flow between initial and final tests.....48.....Hours
Static rock Pressure 370.....Psig (surface pressure) after 10.....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, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Delbert G. Oliver, Appalachian Project Manager
For: OXY USA, INC.
By: *Delbert G. Oliver*
Date: April 21, 1989

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WV Department of
Environmental Protection

NEWMAN A-1

Details of perforated intervals, fracturing or stimulating, physical change, etc.:

FORMATION

Rhinestreet Perforated 5868-6360' (71 holes). Frac'd w/ 50,000# sand, 96 BLW, 505 MCF N2.

Upper Devonian Perforated 3605-4530' (71 holes). Frac'd w/ 50,000# sand, 96 BLW, 288 MCF N2.

Maxton Perforated 1690-2352' (87 holes). Frac'd w/ 42,100# sand, 146 BLW, 538 MSCF N2.

WELL LOG:

<u>Formation</u>	<u>Top (Ft)</u>	<u>Bottom (Ft)</u>
Sand	0	90
Siltstone	90	368
Sand	368	467
Siltstone	467	592
Sand	592	711
Siltstone	711	881
Sand	881	928
Siltstone	928	1220
Sand	1220	1240
Siltstone	1240	1423
Sand	1423	1450
Siltstone	1450	1515
Ravencliff	1515	1603
Avis Limestone	1603	1635
Siltstone	1635	1944
Upper Maxton	1944	2008
Siltstone	2008	2158
Middle Maxton	2158	2208
Siltstone	2208	2316
Lower Maxton	2316	2352
Siltstone	2352	2364
Little Lime	2364	2424
Pencil Cave	2424	2485
Big Lime	2485	2846
Shale	2846	2908
Siltstone	2908	3028
Weir	3028	3126
Shale	3126	3425
Sunbury	3425	3442
Devonian Shale	3442	3605
Gordon	3605	3643
Devonian Shale	3643	4556
Lower Huron	4556	5361
Java	5361	5868
Rhinestreet	5868	6488
Marcellus	6488	6538
Onondaga	6538	

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

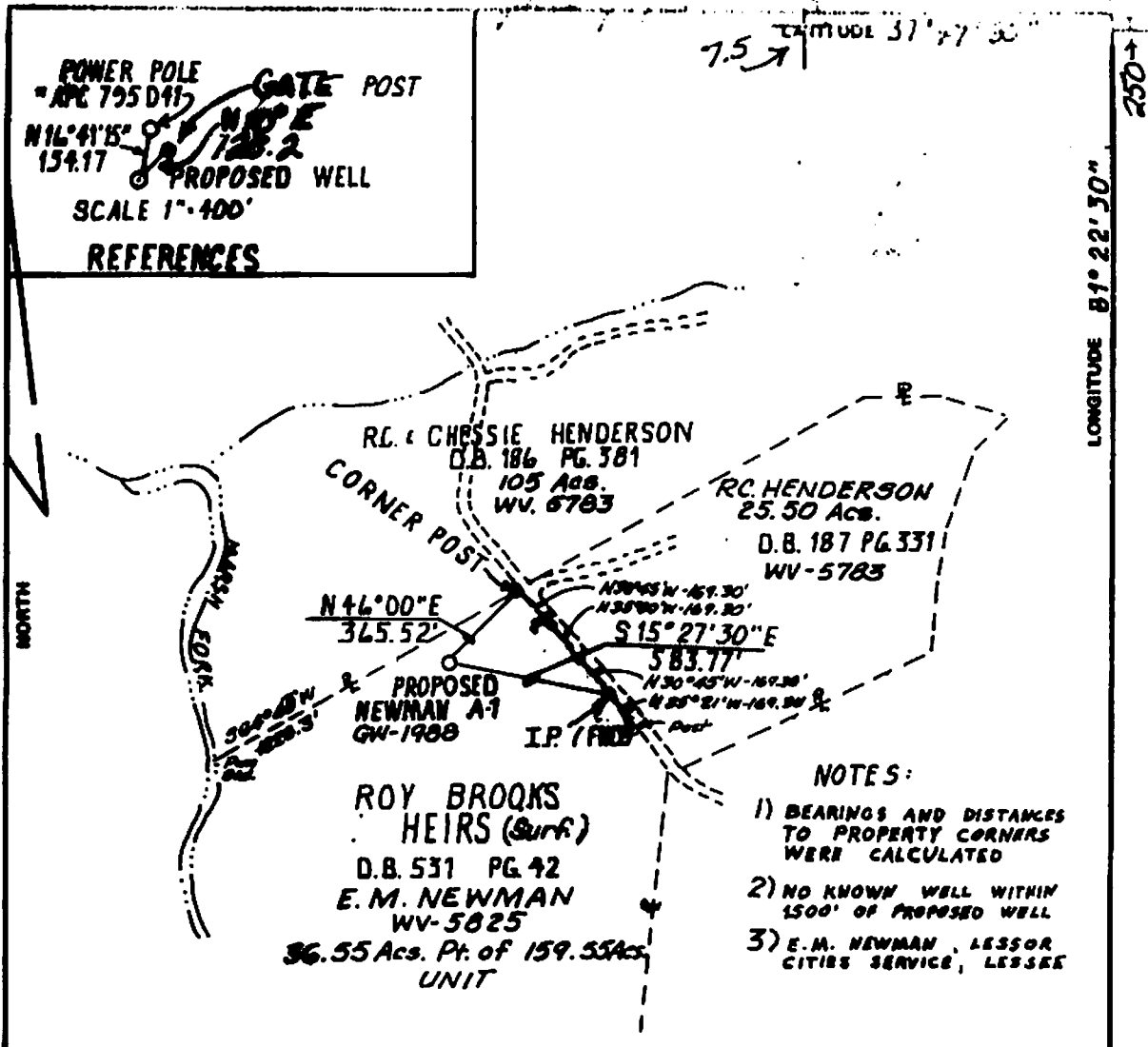
1898

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Environmental Protection

08/29/2014



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION KNOWN BENCH MARK RELIABLE 1988

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) Paul E. Newman
R.P.E. 9682 L.L.S.

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1984.31 WATER SHED MARSH FORK
DISTRICT TRAP HILL COUNTY RALEIGH
QUADRANGLE ARNETT, W.VA. 7 1/2
SURFACE OWNER ROY BROOKS HEIRS ACREAGE 36.55
OIL & GAS ROYALTY OWNER E.M. NEWMAN LEASE ACREAGE 36.55 PART OF 159.55 AC. UNIT
LEASE NO. WV 5825 1612
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION NEWMAN SCALE ESTIMATED DEPTH 6300'
WELL OPERATOR CHARLESTON OIL & GAS CORP. DESIGNATED AGENT PAUL D. PHILLIPS
ADDRESS P.O. BOX 873 CHARLESTON, W.VA. 25323

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 3-10-1988
OPERATOR'S WELL NO. NEWMAN A-1
API WELL NO. G.W. 1988
47 081 0824
STATE COUNTY PERMIT

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Office of Oil and Gas
JUL 08 2014
WV Department of Environmental Protection

CHARLESTON, W.VA. 25323

1) Date: 7-8-14
2) Operator's Well Number
122481 Newman A1 GW1998
3) API Well No.: WV 081 - 00824
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

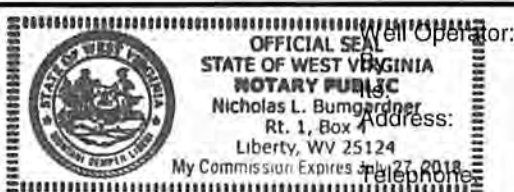
4) Surface Owner(s) to be served:
(a) Name Larry & Anna Brooks
Address P.O. Box 519
Fairdale, WV 25839
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gary Kennedy
Address P.O. Box 268
Nimitz, WV 25978
Telephone 304-382-8402

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Larry & Anna Brooks
P.O. Box 519
Address Fairdale, WV 25839
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Performance Coal Company
Address Alpha Natural Resources
300 Running Right Rd.
Julian, Wv 25521

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

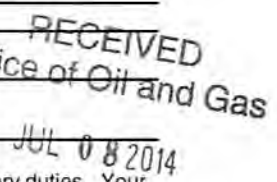
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have 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: EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 7 day of JULY, 2014
My Commission Expires: 7/27/2018
Notary Public



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

8100824P

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07/08/2014
US POSTAGE
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0411L 1022 05902

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total		

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Sent To: **Larry & Anna Brooks**
 Street, or PO: **P.O. Box 519**
 City, S: **Fairdale, WV 25839**
 122481 plugging

PS Form 3811, August 2006 See Reverse for Instructions

Larry & Anna Brooks
P.O. Box 519
Fairdale, WV 25839
122481 plugging

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Larry & Anna Brooks
 P.O. Box 519
 Fairdale, WV 25839
 122481 plugging

2. Article Number (transfer from service label)
 7014 0510 0000 4438 5143

3. Service Type
 Certified Mail®
 Certified Mail® Priority Mail Express™
 Registered
 Insured Mail
 Return Receipt for Merchandise
 Collect on Delivery

4. Restricted Delivery? (Extra Fee)
 Yes
 No

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

B. Received by (Printed Name) _____
 C. Date of Delivery _____

A. Signature _____
 Addressee
 Agent

COMPLETE THIS SECTION ON DELIVERY

PS Form 3811, July 2013

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

08/29/2014

100824A

US POSTAGE \$08.45 ZIP 26030 041L10228692

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Restricted Delivery Fee (Endorsement Required)	
Total	

Postmark Here

Performance Coal Company
 Alpha Natural Resources
 300 Running Right Rd.
 Julian, WV 25521
 123531, 122481, 131381 plugging

PS Form 3811, August 2006 See Reverse for Instructions

Performance Coal Company
Alpha Natural Resources
300 Running Right Rd.
Julian, WV 25521
123531, 122481, 131381 plugging

EQT
C/O Vicki Roark
P.O. Box 280
Bridgeport, WV 26330

PS Form 3811, July 2013
 Domestic Return Receipt

2. Article Number
 7014 0510 0000 4438 5136
 (Transfer from service label)

1. Article Addressed to:
 Performance Coal Company
 Alpha Natural Resources
 300 Running Right Rd.
 Julian, WV 25521
 123531, 122481, 131381 plugging

3. Service Type
 Certified Mail®
 Registered Mail
 Registered Mail with Return Receipt for Merchandise
 Insured Mail
 Collect on Delivery

4. Restricted Delivery? (Extra Fee)
 Yes
 No

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

B. Received by (Printed Name)
 C. Date of Delivery

A. Signature Agent Addressee

SENDER: COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

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JUL 08 2014
WV Department of
Environmental Protection

08/29/2014

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
122481 Newman A1 GW1998
3) API Well No.: WV 081 - 00824

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: Marsh Fork Quadrangle: Arnett 7.5'

Elevation: 1983' County: Raleigh District: Trap Hill

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.? 10 ml

Proposed Disposal Method for Treated Pit Wastes: 20

- Land Application HLK
- 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.

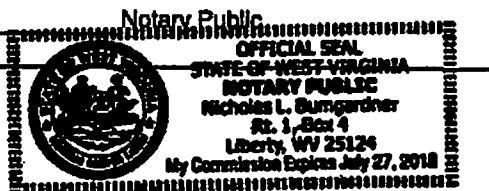
Company Official Signature *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

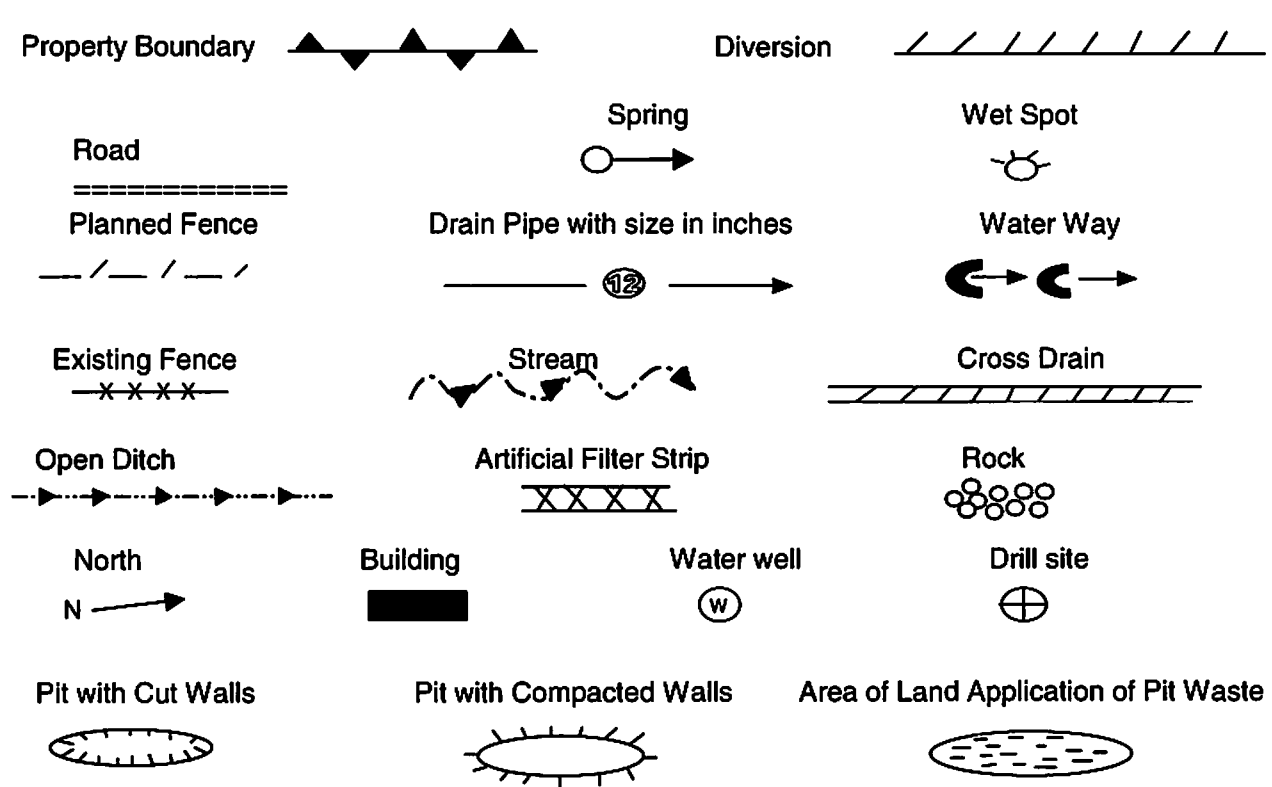
Subscribed and sworn before me this 7 day of July, 2014

My Commission Expires 7/27/2018



OPERATOR'S WELL NO.:
122481 Newman A1 GW1998

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: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? Yes No

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 Environmental Protection

Topo Quad: Arnett 7.5'

Scale: 1" = 2000'

County: Raleigh

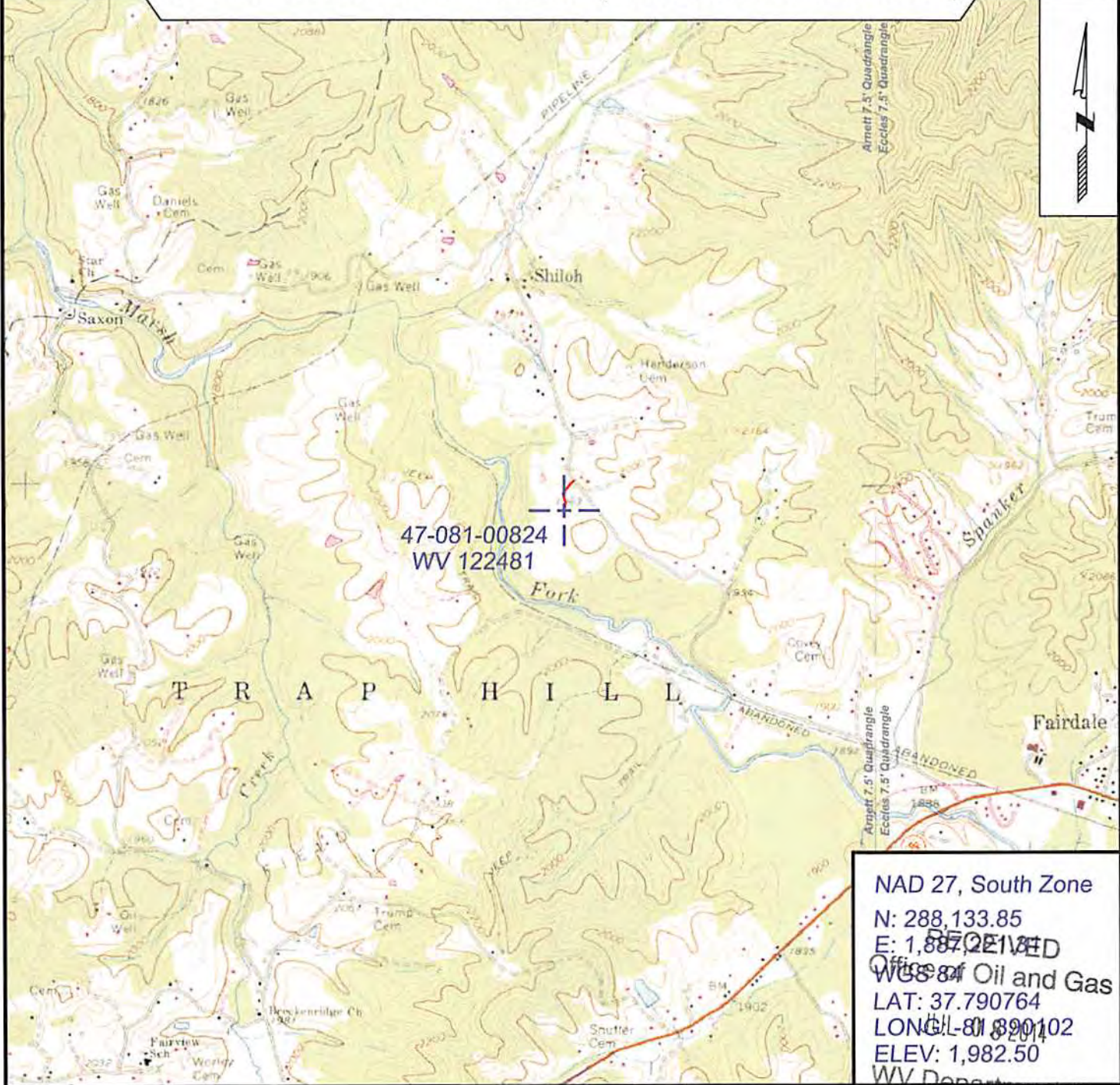
Date: May 30, 2014

District: Trap Hill

Project No: 23-06-00-08

47-081-00824 WV 122481 (Newman A1 GW1998)

Topo



NAD 27, South Zone
 N: 288,133.85
 E: 1,887,211.18
 UTM Zone 18Q
 Office of Oil and Gas
 LAT: 37.790764
 LONG: -81.890102
 ELEV: 1,982.50
 WV Department of



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

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

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-081-00824 WELL NO.: WV 122481 (Newman A1 GW1998)
 FARM NAME: Roy A. Brooks Heirs
 RESPONSIBLE PARTY NAME: EQT Production Company
 COUNTY: Raleigh DISTRICT: Trap Hill 7
 QUADRANGLE: Arnett 7.5' 218
 SURFACE OWNER: Larry and Anna Brooks
 ROYALTY OWNER: Edward N. and Cleo Newman, et al.
 UTM GPS NORTHING: 4182672
 UTM GPS EASTING: 465653 GPS ELEVATION: 604 m (1983 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential
 Real-Time Differential

Mapping Grade GPS : Post Processed Differential
 Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Ray Olson
Signature

PS # 2180
Title

6/20/14
Date

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POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Newman A1 GW 1998 WV 122481 (47-081-00824)

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: 320' +/- Owner: Marilyn Newman & Gary Lawrence Brooks
 Address: 150 Brooks Drive, Glen Daniel, WV 25844 Phone No. _____
 Comments:

Site: 2 Spacing: 750' +/- Owner: Rogelio & Sherry Ann Cuevas
 Address: 12353 SW 140th Lane, Miami, FL 33186 Phone No. _____
 Comments:

Site: 3 Spacing: 650' +/- Owner: Rogelio & Sherry Ann Cuevas
 Address: 12353 SW 140th Lane, Miami, FL 33186 Phone No. _____
 Comments:

Site: 4 Spacing: 505' +/- Owner: Larry A. Ransom
 Address: P. O. Box 282, Fairdale, WV 25839 Phone No. _____
 Comments:

BIRCH RIVER OFFICE
 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

ALUM CREEK OFFICE
 P.O. Box 111 Childress Road
 Alum Creek, WV 25910
 phone: 304-756-2948
 fax: 304-756-2948

RECEIVED
 Office of Oil and Gas

JUL 08 2014

WV Department of
 Environmental Protection

Site: 5 Spacing: 470' +/- Owner: Robert G. & Martha Jane Henderson
Address: P. O. Box 353, Fairdale, WV 25839 Phone No. _____
Comments:

Site: 6 Spacing: 965' +/- Owner: Jonathan E. & Colleen M. Bailey
Address: 810 New River Drive, Beckley, WV 25801 Phone No. _____
Comments:

Site: 7 Spacing: 830' +/- Owner: Larry & Anna Brooks
Address: P. O. Box 519, Fairdale, WV 25839 Phone No. _____
Comments:

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Office of Oil and Gas
JUL 08 2014
WV Department of
Environmental Protection

Topo Quad: Arnett 7.5'

Scale: 1" = 2000'

County: Raleigh

Date: May 30, 2014

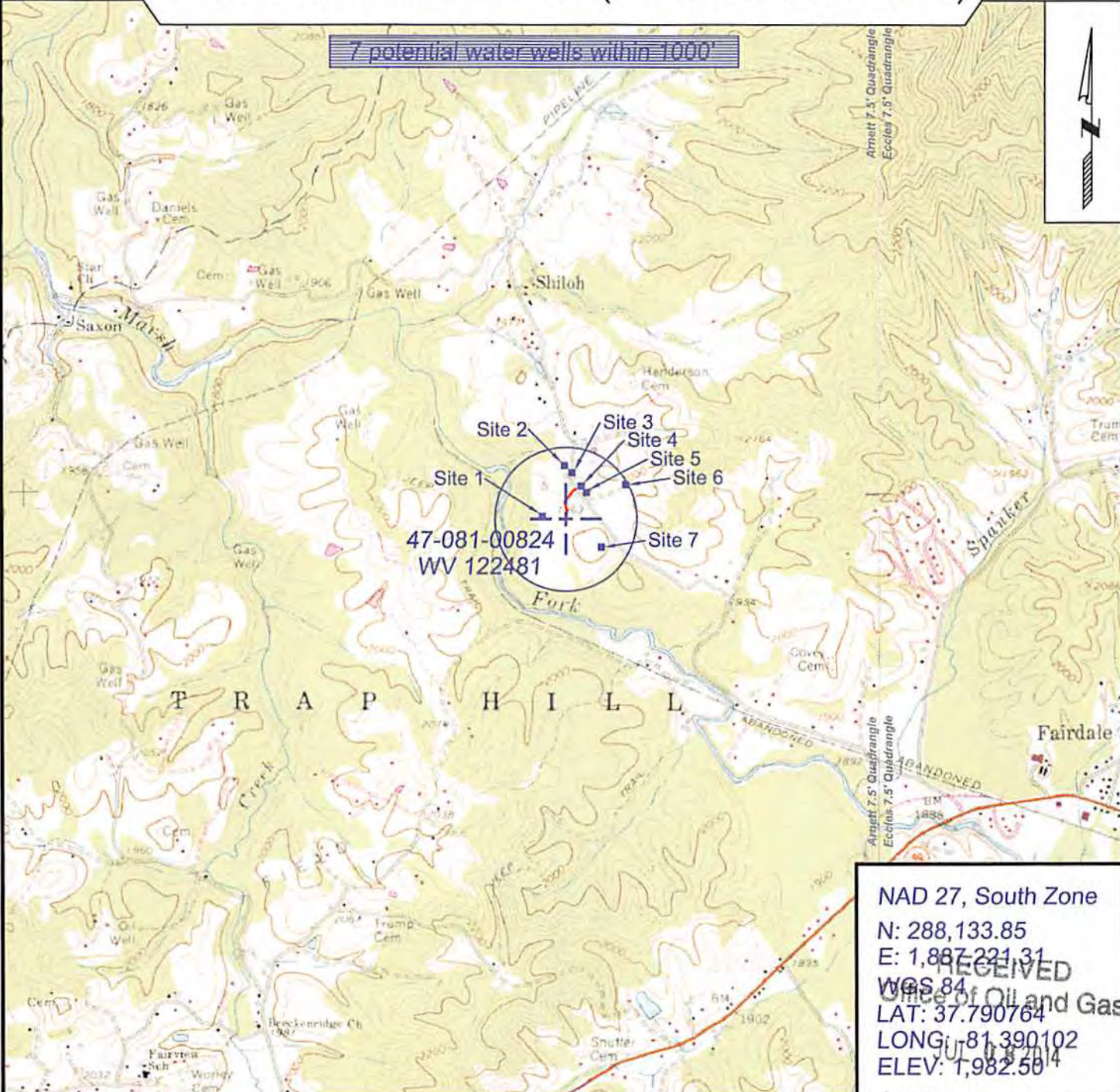
District: Trap Hill

Project No: 23-06-00-08

Water

47-081-00824 WV 122481 (Newman A1 GW1998)

7 potential water wells within 1000'



NAD 27, South Zone
 N: 288,133.85
 E: 1,887,221.31
 WGS 84
 LAT: 37.790764
 LONG: 81.390102
 ELEV: 1,982.50



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 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