



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 25, 2014

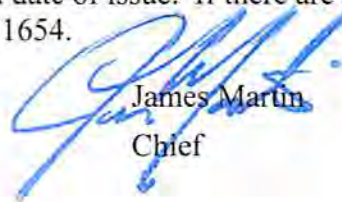
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8100749, 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: ROWLAND LAND 17
Farm Name: ROWLAND LAND CO.
API Well Number: 47-8100749
Permit Type: Plugging
Date Issued: 08/25/2014

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. 123531 Rowland Land A-17
API Well No.: 47 081 - 00749

✓ ac 17838
100⁰⁰

STATE OF WEST VIRGINIA
DIVISION 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) Elevation: 452' Watershed: Shumate Creek
Location: Marsh Fork County: Raleigh Quadrangle: Pilot Knob 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

Rowland Land Co. #17 (123531)

Raleigh Co., West Virginia
API # 47-081-00749
District: Marsh Fork

BY: Craig Duckworth
DATE: 3/28/14

CURRENT STATUS:

- 9 5/8" csg @ 931 (cts)
- 7" csg @ 2366' (175sks cem top approx. 966')
- 4 1/2" csg @ 5587' (260sks)

TD @ 5602'

Fresh Water @ 50'	Salt Water @ 500'
Salt Sand @ 1830'	Coal @ none reported
Gas shows @ none reported	
Oil Shows @ none reported	Elevation @ 1461'

Stimulation: L. Devonian (Perfs. 5471' - 4613'), U. Devonian (Perfs. 3697' - 4561')

- TD 5602
1. Notify State Inspector, Gary Kennedy 304-382-8402, and 24 hrs prior to commencing operations.
 2. TIH w/ tbg @ 5471'; Set 1971' C1A Cement Plug @ 5471' to 3500' (Devonian Perfs 5471' to 3671')
 3. TOOH w/ tbg @ 3500'; Gel hole @ 3500' to 2420'
 4. TOOH w/tbg Freepoint 4 1/2". Cut/shoot 4 1/2" at freepoint (freepoint approx. 2420')
 5. 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.
 6. TIH w/ tbg @ 2420'; Set 120' C1A Cement Plug @ 2420' to 2300' (4 1/2" cut)
 7. TOOH w/ tbg @ 2300'; gel hole @ 2300' to 1800'
 8. TOOH w/ tbg @ 1830'; Set 100' C1A Cement Plug @ 1830' to 1730' (Salt Sand @ 1830')
 9. TOOH w/ tbg @ 1730'; gel hole @ 1730' to 1016'
 10. TOOH w/tbg Freepoint 7". Cut/shoot 7" at freepoint (freepoint approx. 966')
 11. Set a 100' C1A Cement Plug 50' in/Out of cut. Perf all FW, Coal, Oil & Gas Shows below 7" cut. Do not omit any plugs
 12. TIH w/ tbg @ 1016'; Set 200' C1A Cement Plug @ 1016' to 816' (7" cut & 9 5/8" set)
 13. TOOH w/ tbg @ 816'; gel hole @ 816' to 500'
 14. TOOH w/ tbg @ 500'; Set 100' C1A Cement Plug @ 500' to 400' (SW @ 500')
 15. TOOH w/ tbg @ 400'; gel hole @ 400' to 200'
 16. TOOH w/ tbg @ 200'; Set 200' C1A Cement Plug @ 200' to 0' (FW @ 50')
 17. Top off as needed
 18. Set Monument to WV-DEP Specifications
 19. Reclaim Location & Road to WV-DEP Specifications.



IV-35
(Rev 8-81)

RECEIVED
AUG 11 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date April 6 1987
Operator's Well No. Rowland 17
Farm Rowland Land Co
API No. 47 - 081 - 0749

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow X)

LOCATION: Elevation: 1461 Watershed Shumate Creek
District: Marsh Fork County Raleigh Quadrangle Pilot Knob 7.5

COMPANY Allegheny & Western Energy Corp
ADDRESS P.O. Box 2587, Charleston, W.Va., 25329
DESIGNATED AGENT Dennis L. Mann
ADDRESS P.O. Box 2587, Charleston, W.Va., 25329
SURFACE OWNER Rowland Land Co
ADDRESS 1033 Quarrier St, Charleston, W.Va
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Rodney
Dillon ADDRESS P.O. Box 1526
Sophia, W.Va
PERMIT ISSUED 12/1/86
DRILLING COMMENCED 12/7/86
DRILLING COMPLETED 12/18/86
IF APPLICABLE: FLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	25	0	0
9 5/8	931	931	350 sks
8 5/8			
7	2366	2366	175 sks
5 1/2			
4 1/2	5587	5587	260 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5300 feet
Depth of completed well 5602 feet Rotary Cable Tools
Water strata depth: Fresh 50 feet; Salt 580 feet
Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3697 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 207 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 24 hours
"Static" rock pressure 800 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

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

3697-4561 perf w/ 50 holes frac w/ 60,000# 20/50 sd + 1,000 gal 15% acid + 1,000,000 scf n2
 4613-5471 perf w/ 40 holes frac w/ 60,000# 20/50 sd + 1,000 gal 15% acid + 1,100,000 scf n2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
sandstone & Shale			0	1830	<p>RECEIVED AUG 11 1987</p> <p>DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> <p>TD 5602 KB</p>
salt sand			1830	1898	
sand & shale			1898	2359	
little lime			2359	2383	
slate & lime			2383	2427	
big lime			2427	2796	
shale			2796	2862	
weir			2862	3012	
shale			3012	3244	
sunbury shale			3244	3264	
silty shale			3264	3461	
gordon			3461	3477	
shale			3477	3538	
gordon			3538	3554	
grey & brown shale			3554	5602	

(Attach separate sheets as necessary)

Allegheny & Western Energy Corp
Well Operator

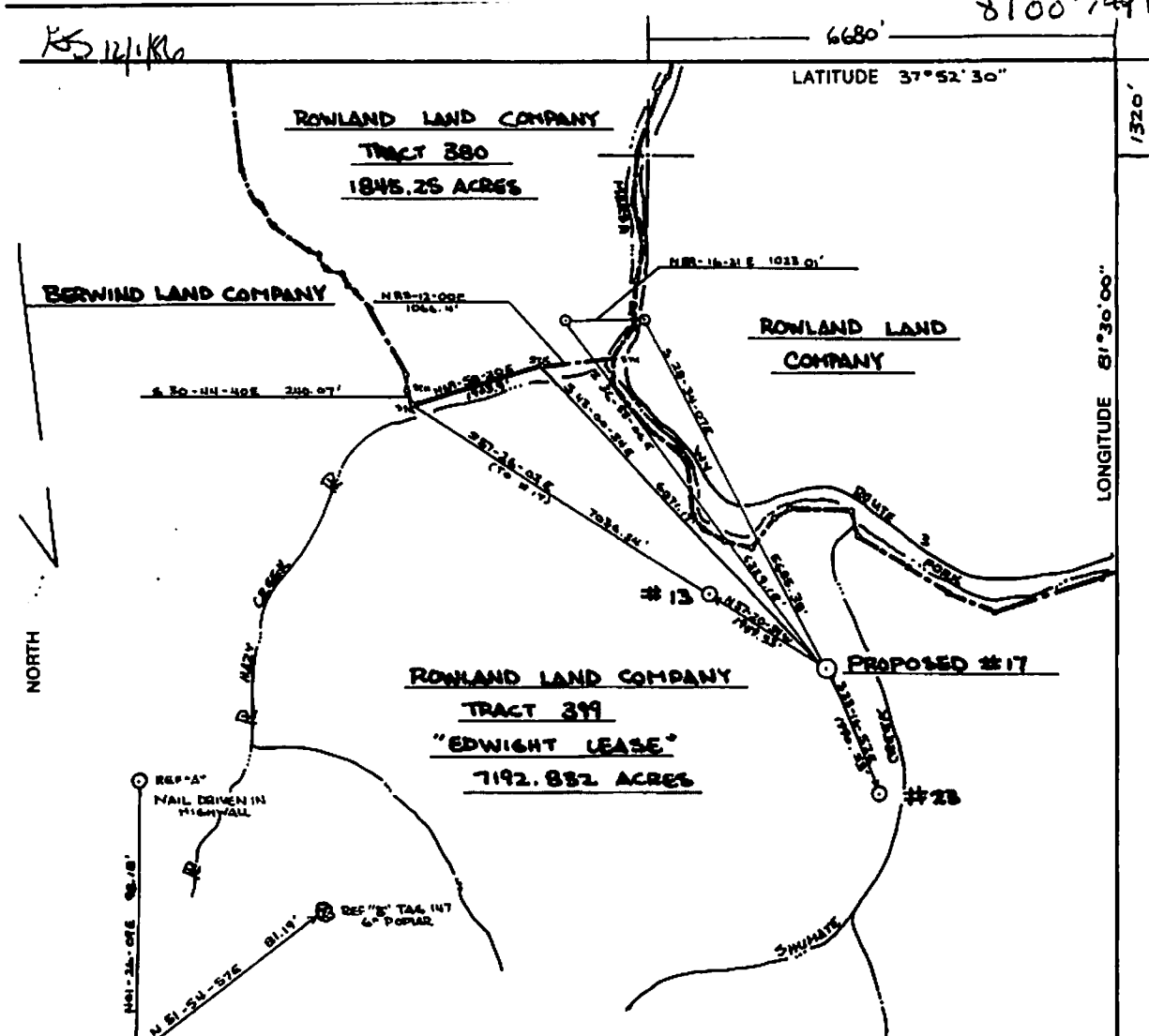
By: *Daniel J. Mc...* Vice President

Date: April 6, 1987

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."

08/29/2014

8100749P



PEABODY COAL COORDINATES:
 N: 587253.77
 E: 3219757.78

REFERENCES 1"=50'

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

FILE NO. 86-081-017
 DRAWING NO. 86052
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 5000
 PROVEN SOURCE OF ELEVATION BM NO. 1 ON BRIDGE
 ART. IN EDWIGHT ART. IN EDWIGHT
 ELEVATION 482.657'

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 ENERGY.
 (SIGNED) [Signature]
 R.P.E. 8456 L.L.S. 11/2/2014

RECEIVED
 Office of Oil and Gas
 WV Department of Environmental Protection
 DATE 30 OCTOBER 2014
 OPERATOR'S WELL NO. ROWLAND # 17
 API WELL NO. 47
 STATE WV COUNTY RALEIGH PERMIT 0749

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE WV COUNTY RALEIGH PERMIT 0749
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1461.3' WATER SHED SHUMATE CREEK OF MARSH FORK
 DISTRICT MARSH FORK COUNTY RALEIGH
 QUADRANGLE PILOT KNOS 7.S'
 SURFACE OWNER ROWLAND LAND COMPANY ACREAGE 7192.832
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 18000
 LEASE NO. _____
 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 MARCELLUS SHALE ESTIMATED DEPTH 5300'
 WELL OPERATOR AMERICAN & WESTERN DESIGNATED AGENT DENNIS L. MANN
 ADDRESS P.O. BOX 2887 ADDRESS P.O. BOX 2887
CHARLESTON, WEST VIRGINIA 25329 CHARLESTON, WEST VIRGINIA 25329

08/29/2014

COUNTY NAME
 PERMIT

1) Date: 7-8-14
2) Operator's Well Number
123531 Rowland Land A-17
3) API Well No.: 47 081 - 00749
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

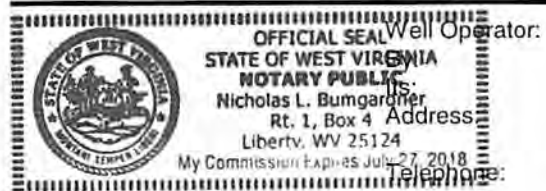
4) Surface Owner(s) to be served:
(a) Name Rowland Land Company LLC
Address 405 Capitol St.
Suite 609
Charleston, WV 25301
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gary Kennedy
Address P.O. Box 268
Nimitz, WV 25978
Telephone 304-382-8402

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Rowland Land Company LLC
405 Capitol St.
Address Suite 609
Charleston, WV 25301
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 [Signature]
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.

RECEIVED
Office of Oil and Gas
JUL 18 2014
WV Department of
Environmental Protection
08/29/2014

8100 749 P

USPS 07/09/2014 \$08.45 ZIP 26330 041110228892

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Return Receipt Fee (Endorsement Required)	
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 3800, 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

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee

B. Received by (Printed Name) _____

C. Date of Delivery _____

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

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

4. Restricted Delivery? (Extra Fee) Yes No

2. Article Number: 7014 0510 0000 4438 5136
 PS Form 3811, July 2013 Domestic Return Receipt (Transfer from service label)

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Attach your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Recipient Address: _____

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

RECEIVED
 Office of Oil and Gas
 U.S. Department of
 Environmental Protection
 JUL 08 2014

08/29/2014

2) Operator's Well Number

123531 Rowland Land A-17

3) API Well No.: 47 081 - 00749

**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: Shumate Creek Quadrangle: Pilot Knob 7.5'

Elevation: 452' County: Raleigh District: Marsh Fork

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:

- 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.

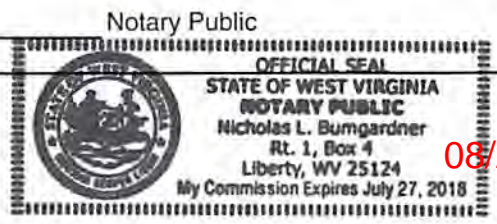
Company Official Signature _____

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

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

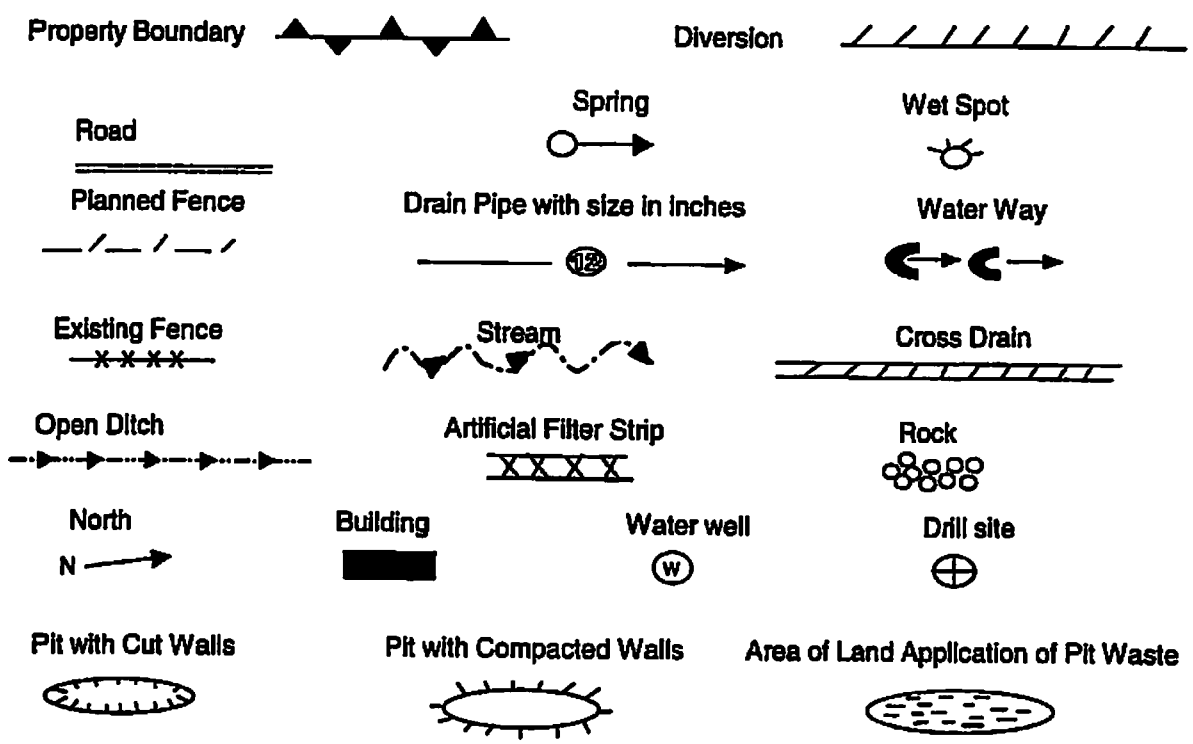
My Commission Expires 7/27/2018



08/29/2014

OPERATOR'S WELL NO.:
123531 Rowland Land A-17

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: *Henry Kennedy*

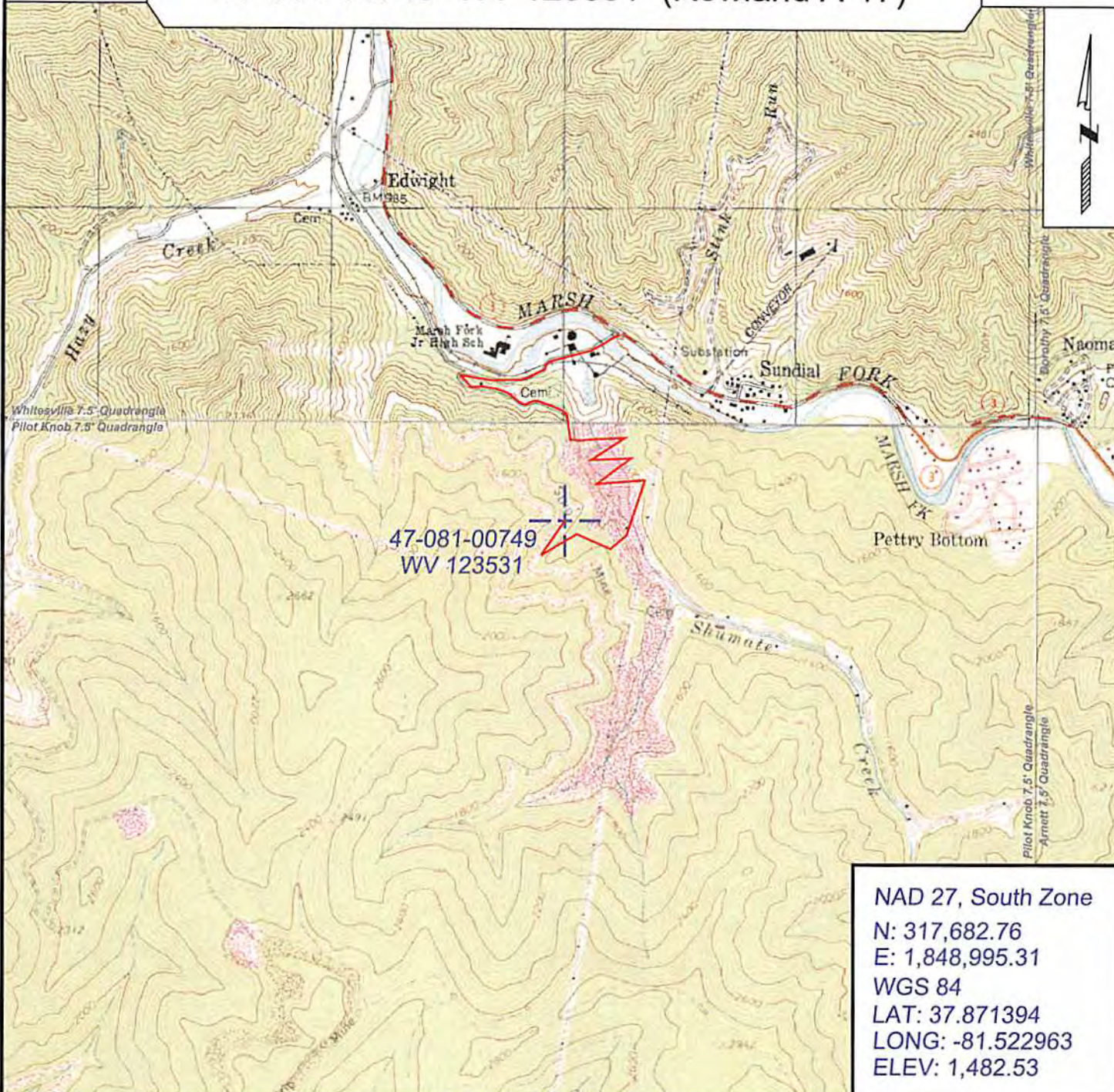
Comments: _____

Title: *Inspector* Date: *7/18/14*
Field Reviewed? Yes No

Topo Quad: Pilot Knob 7.5' Scale: 1" = 2000'
 County: Raleigh Date: June 3, 2014
 District: Marsh Fork Project No: 23-06-00-08

47-081-00749 WV 123531 (Rowland A-17)

Topo



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:
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: 47-081-00749 WELL NO.: WV 123531 (Rowland A-17)
FARM NAME: Rowland Land Company
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Raleigh DISTRICT: Marsh Fork 2
QUADRANGLE: Pilot Knob 7.5' 547
SURFACE OWNER: Rowland Land Company, LLC
ROYALTY OWNER: Rowland Land Company, LLC, et al.
UTM GPS NORTHING: 4191675
UTM GPS EASTING: 454005 GPS ELEVATION: 452 m (1483 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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

[Signature]
Signature

PS# 2180
Title

7/2/14
Date

RECEIVED
Office of Oil and Gas
JUL 08 2014
West Virginia Department of Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Rowland A-17 WV 123531 API No. 47-081-00749

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 123531.

RECEIVED
 Office of Oil and Gas
 JUL 16 2014
 WV Department of
 Environmental Protection

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 108 • 1413 Childress Rd
 Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

RANSON OFFICE

401 South Fairfax Blvd, Suite 3
 Ranson, WV 25438
phone: 304-724-5008
fax: 304-724-5010

8100749P

Topo Quad: Pilot Knob 7.5'

Scale: 1" = 2000'

County: Raleigh

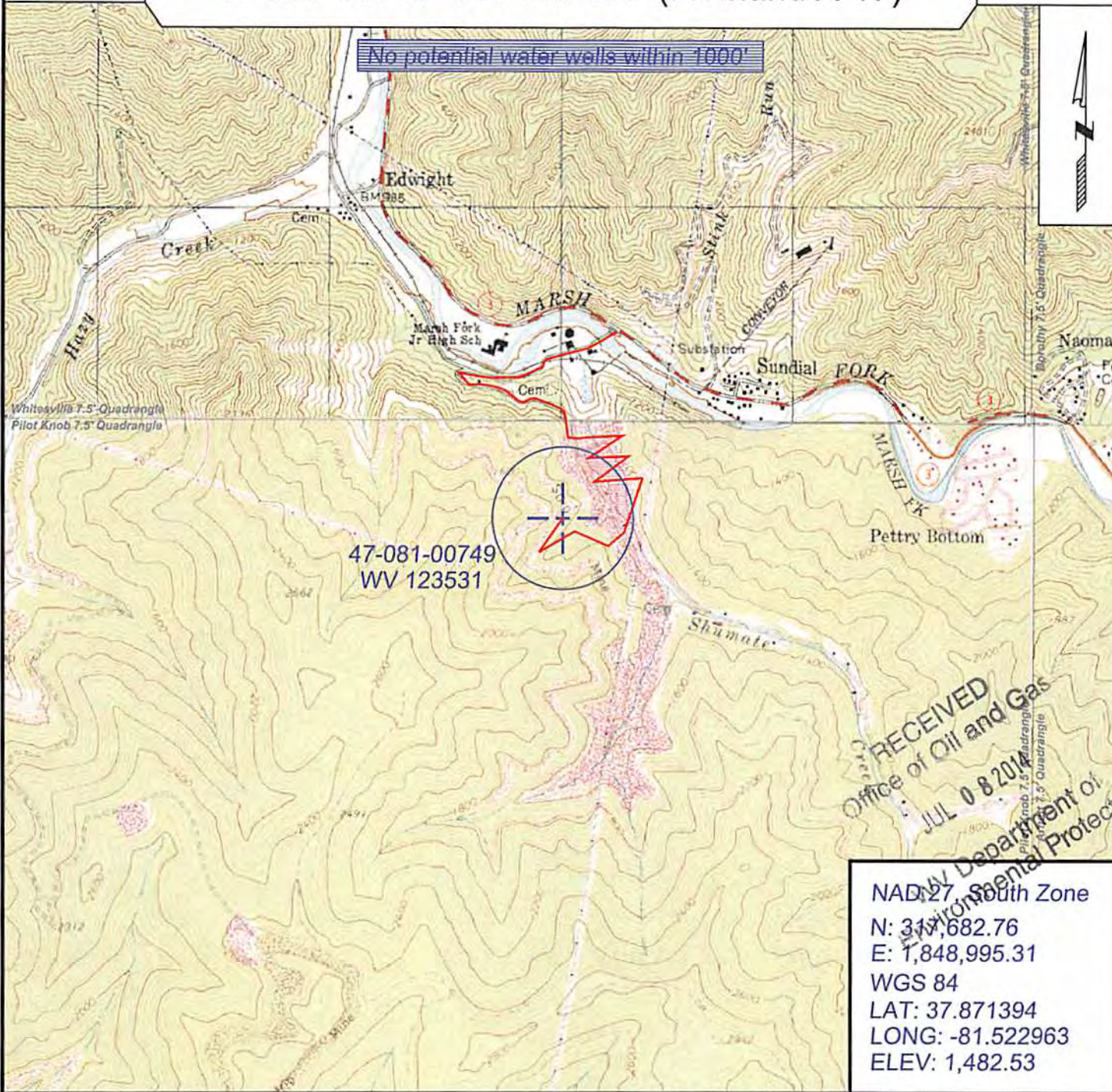
Date: June 3, 2014

District: Marsh Fork

Project No: 23-06-00-08

Water

47-081-00749 WV 123531 (Rowland A-17)



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:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

08/29/2014