



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. Huffiman, Cabinet Secretary
www.dep.wv.gov

November 25, 2014

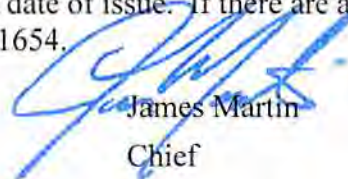
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1701681, 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: 36
Farm Name: MAXWELL, LEEMAN
API Well Number: 47-1701681
Permit Type: Plugging
Date Issued: 11/25/2014

Promoting a healthy environment.

11/28/2014

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.

17 01681P

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

Date: October 6, 2014
Operator's Well _____
Well No. 656831 (Maxwell 1762)
API Well No.: 47 017 - 01681

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

CK 18320
100 00

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: 1141 ft. Watershed: Lick Run
Location: West Union County: Doddridge Quadrangle: Oxford
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 Douglas Newlon
Name: 4060 Dutchman Road
Address: Macfarlan, WV 26148

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.

Received
Office of Oil & Gas
OCT 09 2014

OK [signature]

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.
Date _____
Work order approved by inspector _____

11/28/2014

1701681P

PLUGGING PROGNOSIS --Weston

Maxwell, L. #1762 (656831)

Doddridge Co., West Virginia

API # 47-017-01681

West Union Quad

BY: Craig Duckworth

DATE: 9/23/14

CURRENT STATUS:

10" csg @ 242' (cmt 175 sks)

7" csg @ 1772'

4 1/2" csg @ 1920' (cmt 35sks)

TD @ 2511' Plugged back to 1928'

Fresh Water @ None reported

Salt Water @ None reported

1st Salt Sand @ 1488'

Coal @ None reported

Gas Shows @ 1832'-1894' Big Injun;

Oil Shows @ None reported

Stimulation: Fractured 11/29/72 Perfs. 1870'-1886' with 10 Shots 1/2"

Elevation: 1142'

1. Notify State Inspector, Douglas Newton 304-932-8049, 24 hrs. Prior to commencing operations.
2. TTH w/ tbg @ 1920'; Set 200' CIA Cement Plug @ 1920' to 1720' (Gas Shows @ Big Injun 1832'-1894' & 7" csg @ 1772')
3. TOOH w/ tbg @ 1720.; gel hole @ 1720' to 1520'
4. TOOH w/ tbg, Free Point 4 1/2", cut 4 1/2" @ free point, TOOH w/ 4 1/2" csg
5. TOOH w/ tbg @ 1520'; Set 100' CIA Cement Plug @ 1520' to 1420' (4 1/2" casing cut & 1st Salt Sand 1488')
6. TTH w/ tbg @ 1420.; gel hole @ 1420' to 1000'
7. TOOH w/ tbg, Free Point 7", cut 7" @ free point, TOOH w/ 7" csg
8. TTH w/ tbg @ 1000'; Set 100' CIA Cement Plug @ 1000' to 900' (7" casing cut)
9. Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 7" cut. Do not omit any plugs
10. TOOH w/ tbg @ 900'; gel hole @ 900' to 650'.
11. TOOH w/ tbg @ 650'; Set 100' CIA Cement Plug @ 650' to 550'(Safety Plug)
12. TOOH w/ tbg @ 550' gel hole @ 550' to 300'.
13. TOOH w/ tbg @ 300'; Set 300' CIA Cement Plug @ 300' to Surface (10" csg @ 242')
14. Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs
15. Top off as needed
16. Set Monument to WV-DEP Specifications
17. Reclaim Location & Road to WV-DEP Specifications

Need cement plug out Elevation 1192'-1042'
DCN 10-15-2014



1701681 P
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JAN 26 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 3

Rotary Oil _____
Cable _____ Gas C. N.
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Holbrook N. E.

Permit No. Dod-1681

Company <u>Carnegie Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up (Cu. ft. (Sks.))
Address <u>3904 Main Street, Munhall, Penna.</u>				
Farm <u>Leenan Maxwell</u> Acres <u>2164</u>	Size			
Location (waters) <u>Bluestone Creek</u>	20-16			
Well No. <u>36-1762</u> Elev. <u>1142'</u>	Cond.			
District <u>West Union</u> County <u>Doddridge</u>	13-10" 10"	242	242	175 axs 241'
The surface of tract is owned in fee by _____	9 5/8			
Address _____	8 5/8			
Mineral rights are owned by _____	7	1772	1772	
Address _____	5 1/2			
Drilling Commenced <u>9/2/72</u>	4 1/2	1920	1920	35 axs 534'
Drilling Completed <u>After Fracture 11/30/72</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production <u>671,000</u> cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test <u>270</u> RP.				

Well treatment details:

Attach copy of cementing record.

Fractured 11/29/72 by Dowell with 32,000# 20-40 Sand, 559 bbls water & 31 bbls acid.

Perf. 1870 - 1886 with 10 shots - y'

Coal was encountered at Nona Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1818 - 1900

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	43		
Slate & Shells			43	61		
Red Rock			61	142		
Slate			142	170		
Red Rock			170	211		
Slate & Shells			211	247		
Red Rock			347	360		
Sand			360	432		
Slate			432	557		
Red Rock			557	601		
Slate			601	637		
Slate & Shells			637	658		
Red Rock			658	691		
Slate			691	707		
Red Rock			707	745		
Slate & Shells			745	970		
Sand			970	1000		
Slate & Shells			1000	1019		
Sand			1019	1044		
Slate & Shells			1044	1168		

(over)

* Indicates Electric Log tops in the remarks section.

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11/28/2014

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
sand			1168	1190		
clay			1190	1202		
sand			1202	1130		
Shale - Yellow			1130	1168		
1st salt sand			2.08	1561		
2nd salt sand			1561	1616		
clay			1616	1677		
Shale - Red			1677	1701		
little lime			1701	1728		
blue sandy			1728	1731		
congl. sand			1731	1745		
clay			1745	1758		
big lime			1758	1821		
big lime			1821	1903		Show gas 1832-1896
clay			2053	2151		
clay			2257	2308		
carbon shaly			2172	2150		
carbon sand			2150	2193		
				2321		
F.L.						
artificial plug back with			Clay, Shale & sand to			
				1828'		

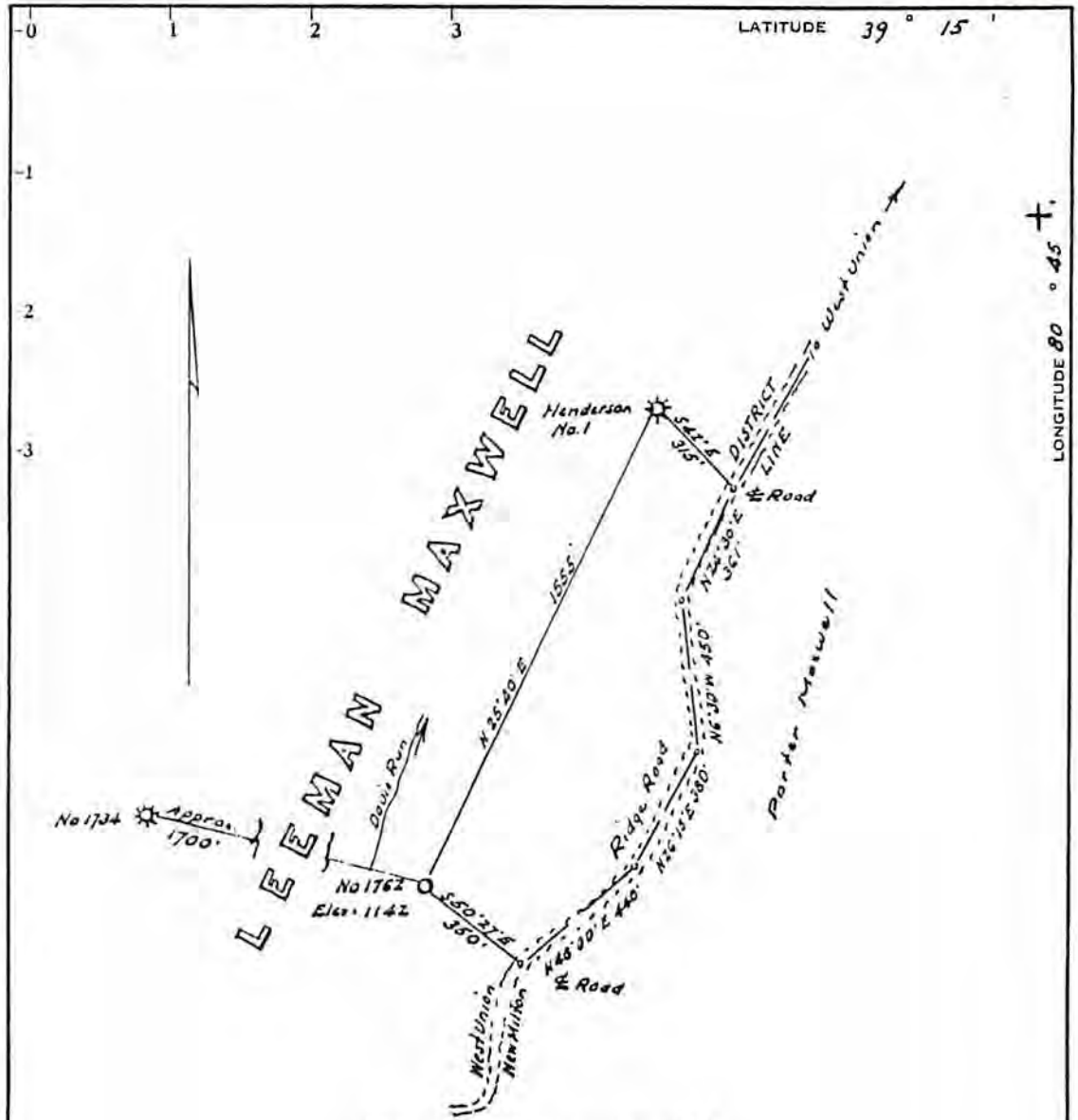
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OCT 09 2014

Date January 23 19 73

APPROVED CARNEGIE NATURAL GAS COMPANY Owner
By R. S. Lindsey Geologist
(Title)

1701681 P
7/25/72 CEN



Minimum Error of Closure lin 200'
Source of Elevation U.S.G.S. B.M. 4000' SW on road = 1172'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: W. H. Hoover Jr.
Squares: N S E W

Map No. _____

Company CARNEGIE NATURAL GAS CO.

Address Munhall, Penna.

Farm Leeman Maxwell

Tract _____ Acres 2164 Lease No. 6764

Well (Farm) No. 36 Serial No. 1762

Elevation (Spirit Level) 1142

Quadrangle Halbrook

County Doddridge District West Union

Engineer W. H. Hoover Jr.

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date May 17, 1972 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. 200-1681

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

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TRASCO

11/28/2014

1701681P

WW-4-A
Revised 6/07

1) Date: October 6, 2014
2) Operator's Well Number
656831 (Maxwell 1762)
3) API Well No.: 47 017 - 01681
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 Mary H. Holland Trust ✓
Address 225 Warchung Fork Road
Westfield, NJ 07090
(b) Name Mary H. Holland Trust ✓
Address c/o Nelson Bruffy, Jr.
Rt. 18 North HC 69 Box 12
West Union, WV 26456
(c) Name _____
Address _____
6) Inspector Douglas Newlon
Address 4060 Dutchman Road
Macfarlan, WV 26148
Telephone 304-932-8049

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Mary H. Holland Trust ✓
225 Warchung Fork Road
Address Westfield, NJ 07090
Name Mary H. Holland Trust ✓
Address c/o Nelson Bruffy, Jr.
Rt. 18 North HC 69 Box 12
West Union, WV 26456
(c) Coal Lessee with Declaration
Name None
Address _____

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.

OFFICIAL Well Operator:
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S. Christie
Address: 1207 Briercleft Rd
Bridgeport, WV 26330
Telephone: _____
My Commission Expires February 20, 2018

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

Subscribed and sworn before me this 6th day of October, 2014
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

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.

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

Sent To: **Mary H. Holland Trust**
225 Warchung Fork Road
Westfield, NJ 07090

Street, Apt. or PO Box:
 City, State, Zip

Postmark Here

Plug 656831

PS Form 3811, August 2006 See Reverse for Instructions

7014 0150 0001 0654 3001
 7014 0150 0001 0654 3001

Westfield, NJ 07090

Plug 656831

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SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Mary H. Holland Trust
 225 Warchung Fork Road
 Westfield, NJ 07090
 Plug 656831

2. Article Number (Transfer from service label)
 7014 0150 0001 0654 3001

3. Service Type
 Certified Mail
 Registered Mail
 Priority Mail Express
 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:

E. Received by (Printed Name)
 Addressee
 Agent
 Signature

C. Date of Delivery

COMPLETE THIS SECTION ON DELIVERY

PS Form 3811, July 2013 Domestic Return Receipt

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

11/28/2014

1701681P

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ZIP 26330
041L10228892

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

Mary H. Holland Trust
 c/o Nelson Bruffy, Jr.
 Rt. 18 North HC 69 Box 12
 West Union, WV 26456
 Plug 656831

PS Form 3800, August 2006 See Reverse for Instructions



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Office of Oil & Gas
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SENDER, COMPLETE THIS SECTION

1. Article Addressed to:
 Mary H. Holland Trust
 c/o Nelson Bruffy, Jr.
 Rt. 18 North HC 69 Box 12
 West Union, WV 26456
 Plug 656831

2. Article Number
 (Transfer from service label)
 PS Form 3811, July 2013

3. Service Type
 Certified Mail
 Priority Mail Express
 Registered Mail
 Insured Mail

4. Restricted Delivery? (Extra Fee)
 Yes
 No

5. 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

COMPLETE THIS SECTION ON DELIVERY

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

Domestic Return Receipt
 PS Form 3811, July 2013

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

11/28/2014

1701681P

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

Douglas Newlon
4060 Dutchman Road
McFarlan, WV 26148

Plug 556831

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10/08/2014
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0411.102288C

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\$01.61

11/28/2014

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: Lick Run Quadrangle: Oxford

Elevation: 1141 ft. County: Doddridge District: West Union

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 20 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 *Victoria Roark*

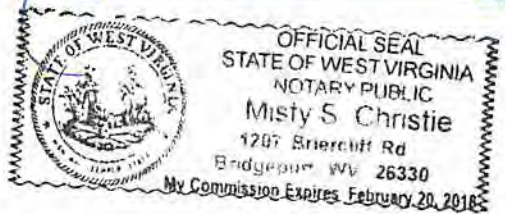
Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 6th day of October, 2014

Misty S. Christie Notary Public
My Commission Expires 2/20/18

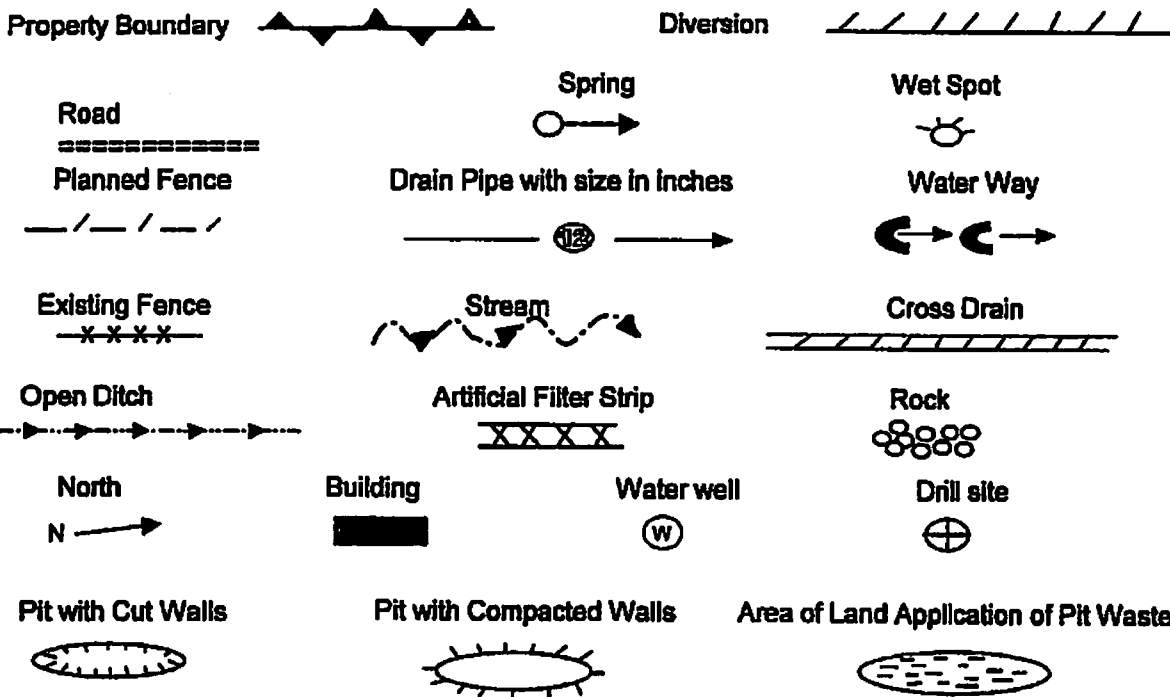
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OPERATOR'S WELL NO.:
656831 (Maxwell 1762)

LEGEND



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

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
Red Fescue	40	Red Fescue	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: Bryan Decker

Comments: install ETS as needed

Title: Oil & Gas Inspector Date: 10-15-2014
 Field Reviewed? Yes No

1701681P

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

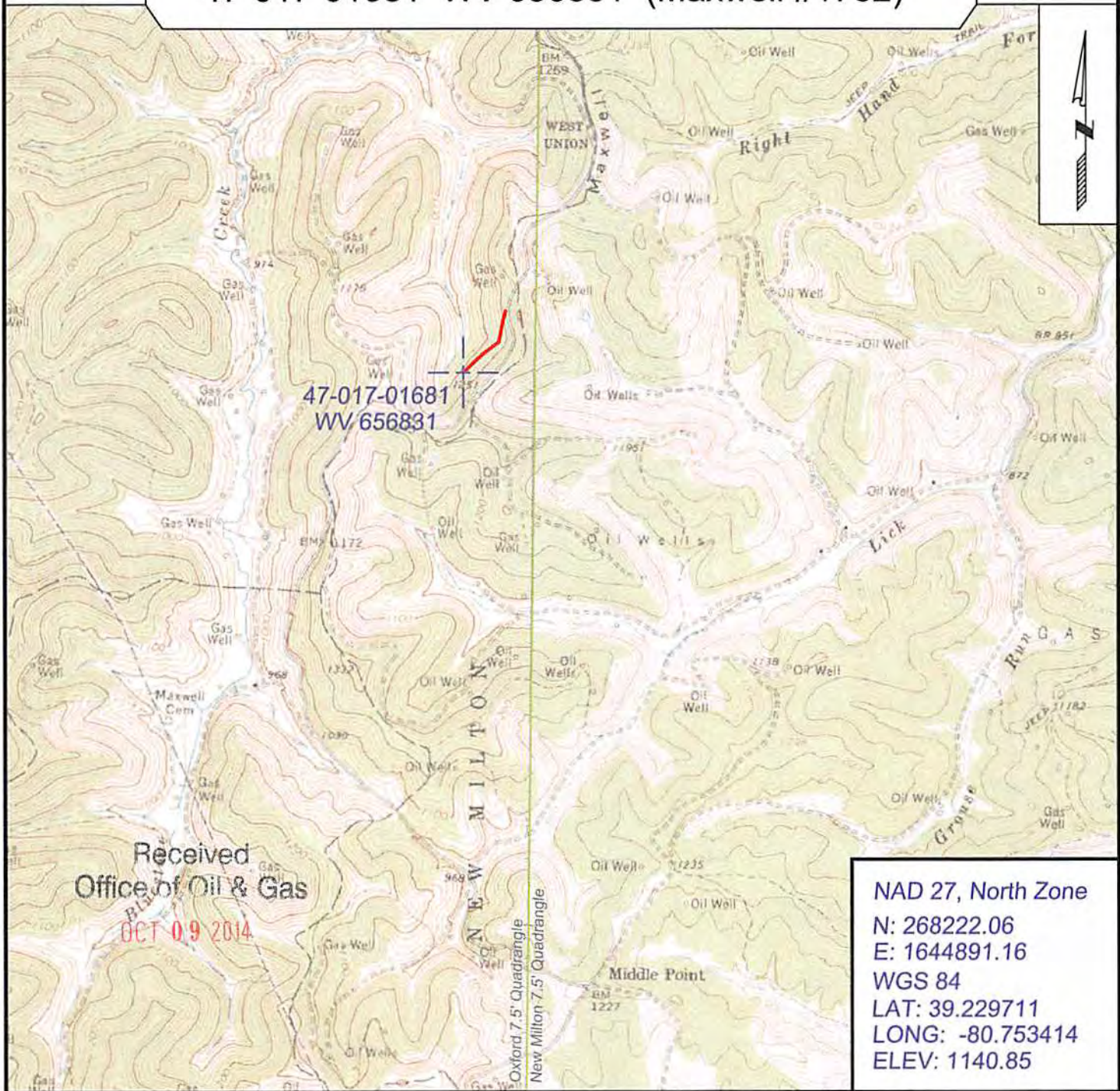
Date: September 25, 2014

District: West Union

Project No: 67-30-00-08

47-017-01681 WV 656831 (Maxwell #1762)

Topo



47-017-01681
WV 656831

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NAD 27, North Zone
N: 268222.06
E: 1644891.16
WGS 84
LAT: 39.229711
LONG: -80.753414
ELEV: 1140.85



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

11/28/2014

