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**west virginia** department of environmental protection

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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

March 29, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1701678, 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: 11488

Farm Name: HADDOX, J. L.

**API Well Number: 47-1701678**

**Permit Type: Plugging**

Date Issued: 03/29/2016

**Promoting a healthy environment.**

**04/01/2016**

## 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

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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.

1701678P

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

Date: March 8, 2016  
Operator's Well  
Well No. 453131 (Haddox W-11488)  
API Well No.: 47 017 - 01678

CK #  
20422  
400<sup>00</sup>

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: 1234 ft. Watershed: McElroy Creek  
Location: McClellan County: Doddridge Quadrangle: Folsom 7.5'  
District: \_\_\_\_\_
- 6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place Address: 120 Professional Place  
Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) Oil & Gas Daniel Flack 9) Plugging Contractor:  
Name: 58 Rive Ave. Name: HydroCarbon Well Service  
Address: Buckhannon, WV Address: PO BOX 995  
Buckhannon, WV 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 and Gas  
MAR 14 2016  
WV Department of  
Environmental Protection

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 Michael Duff Date 3/10/16  
de c m

04/01/2016

PLUGGING PROGNOSIS

Haddox, J.L. #11488 (453131)  
Doddrige Co., West Virginia  
API # 47-017-01678  
District, McClellan  
BY: Rick Green  
DATE: 01/29/15

**CURRENT STATUS:**

13" csg @ 20' (cts)  
8 5/8" csg @ 395' (cts)  
4 1/2" csg @ 2361'  
TD @ 2425'  
Elevation @ 1230'  
Fresh Water @ None Reported  
Salt Water @ none reported  
1<sup>st</sup> Salt Sand @ 1480'  
Coal @ None reported  
Oil Shows @ none reported  
Gas shows @ 2228' (Big Injun)  
Perforations @ 2236-2265 (16 holes)  
Stimulated, Yes

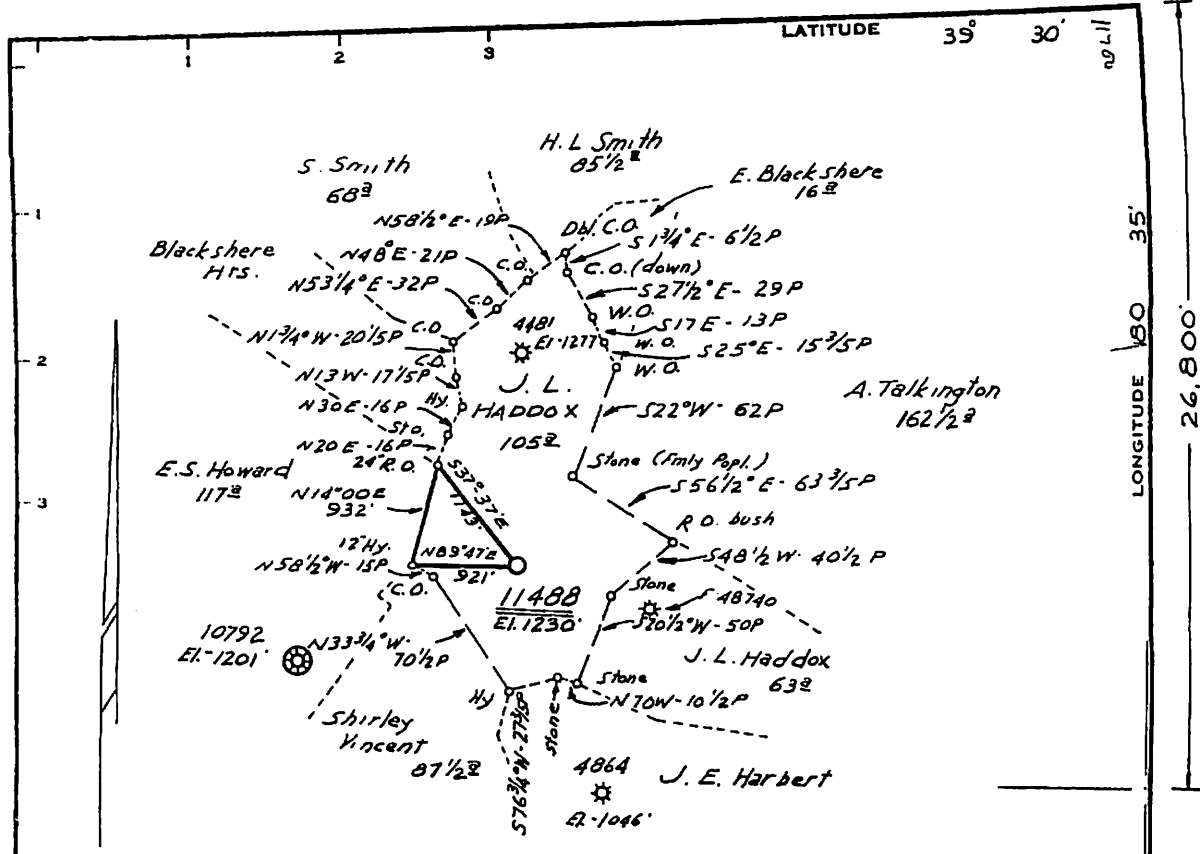
- SPOT Gel.
- 1.) Notify State Inspector Daniel Flack, (304) 545-0109, 48 hrs, prior to commencing operations.
  - 2.) TIH tbg to 2236' set 200' C1A cement plug, 2236 to 2036'. (Big Injun perforations) tag bottom plug confirm TOC
  - 3.) TOOH tbg to 2036', gel hole to 1700' TOOH tbg.
  - 4.) Free point 4.5" csg, cut 4.5" csg @ free point, TOOH csg.
  - 5.) Set 100' C1A cement plug, 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil & gas shows below cut. Do not omit any plugs.
  - 6.) TOOH tbg to top of casing cut plug, gel hole to 1480'.
  - 7.) TOOH tbg to 1480' set 100' C1A cement plug 1480' to 1380', (1<sup>st</sup> Salt Sand).
  - 8.) TOOH tbg to 1380', gel hole to 1230'.
  - 9.) TOOH tbg to 1230', set 100' C1A cement plug 1230' to 1130'. (Elevation).
  - 10.) Gel hole, 1130' to 800'.
  - 11.) TOOH tbg to 800', set 100' C1A cement plug 800' to 700'.
  - 12.) TOOH tbg to 700' gel hole to 445'.
  - 13.) TOOH tbg to 445', set 100' C1A cement plug 445' to 345', (8 5/8" csg seat).
  - 14.) TOOH tbg to 345', gel hole to 200'.
  - 15.) TOOH tbg to 200', set 200' C1A cement plug 200' to surface. (13" conductor seat).
  - 16.) Erect monument with API#, company name, date plugged, and company 6 digit ID#.
  - 17.) Reclaim road, location to WV-DEP specifications.

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JAP MAB  
3/16/16  
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WV Department of  
Environmental Protection

Minimum Error of Closure 1" IN 200'  
Source of Elevation CONSOLIDATED GAS SUPPLY CORP. WELL  
NO 4481 ELEVATION 1277'  
"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."

New Location   
Drill Deeper   
Abandonment

MAP SHEET 45 S-2 E-2

FB.1624 Pgs. 8-10

Company CONSOLIDATED GAS SUPPLY CORP  
Address CLARKSBURG, W.VA.  
Farm J.L. HADDOX  
Tract Acres 10.5 Lease No. 26600  
Well (Farm) No. Serial No. 11488  
Elevation (Spirit Level) 1230'  
Quadrangle CENTERPOINT N.C.  
County DODDRIDGE District MCCLELLAN  
Engineer JACKSON M. JAMES  
Engineer's Registration No. 2397  
File No. Drawing No.  
Date JUNE 2 1972 Scale 1" = 1320'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON  
WELL LOCATION MAP  
FILE NO. DOD-1678  
+ Denotes location of well on United States Topographic Maps, scale 1" = 62,500' and longitude lines being represented by border lines as shown.  
- Denotes one inch spaces on border line of original tracing.

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Office of Oil and Gas  
MAR 14 2016  
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6135

1701678P

OG-10  
Rev. - 9-71



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD

Rotary XX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas XX \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle CENTERPOINT

Permit No. DOD-167#

Company Consolidated Gas Supply Corporation  
Address Clarksburg, W. Va.  
Farm J. L. Haddock Acres 105  
Location (waters) Talkington Fork  
Well No. 11488 Elev. 1230'  
District McClellan County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 8-17-72  
Drilling Completed 8-21-72  
Initial open flow Show cu. ft. \_\_\_\_\_ bbls.  
Final production 978 M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 1 1/2 hrs. before test 620 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 1/2"	20	20	To surface
9 5/8			
8 5/8	395	395	To surface
7			
5 1/2			
4 1/2	2361	2361	135 bags
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured 9-6-72 with 695 bbl water, 40,000# sand and 2500 HHP

Perforations: 2236-2265' with 16 holes

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water None Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Injun Depth 2236-2265'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Red Rock			0	345		
Sand & Shale			345	990		
Red Rock & Shale			990	1010		
Sand & Shale			1010	1480		
1st Salt			1480	1540		
2nd Salt			1540	1625		
3rd Salt			1625	1870		
Sand & Shale			1870	2094		
Little Lime			2094	2129		
Big Lime			2129	2225		
Big Injun			2225	2312	Gas	2228-46'
Total Depth				2425'		

Consolidated Gas Supply Corporation  
445 West Main Street  
Clarksburg, W. Va.

All measurements taken from K.B. 4' above G. L.  
(over)

\* Indicates Electric Log tops in the remarks section.

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1) Date: March 8, 2016  
2) Operator's Well Number  
453131 (Haddox W-11488)  
3) API Well No.: 47 017 - 01678  
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 Lorie J. and Tracie P. Leonard ✓  
Address 2073 Talkington Fork Road  
Center Point, WV 26369  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Daniel Flack  
Address 58 Rive Ave.  
Buckhannon, WV  
Telephone (304) 545-0109

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name None  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_

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

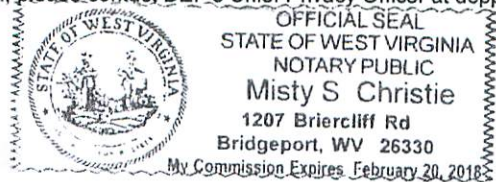
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
  - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have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

Well Operator: EQT Production Company  
By: Victoria J. Roark *[Signature]*  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076

Subscribed and sworn before me this 8th day of March, 2016  
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](mailto:depprivacyofficer@wv.gov).



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MAR 14 2016  
04/01/2016



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
 LEASE NAME AND WELL No. Haddox W-11488 - WV 453131 - API No. 47-017-01678

### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 453131.

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 Office of Oil & Gas  
 MAR 14 2016

#### 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*

#### ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd  
 Alum Creek, WV 25003  
*phone: 304-756-2949*  
*fax: 304-756-2948*

#### MARTINSBURG OFFICE

25 Lights Addition Drive  
 Martinsburg, WV 25404  
*phone: 304-901-2162*  
*fax: 304-901-2182*

04/01/2016



Topo Quad: Folsom 7.5'

Scale: 1" = 2000'

County: Doddridge

Date: February 18, 2016

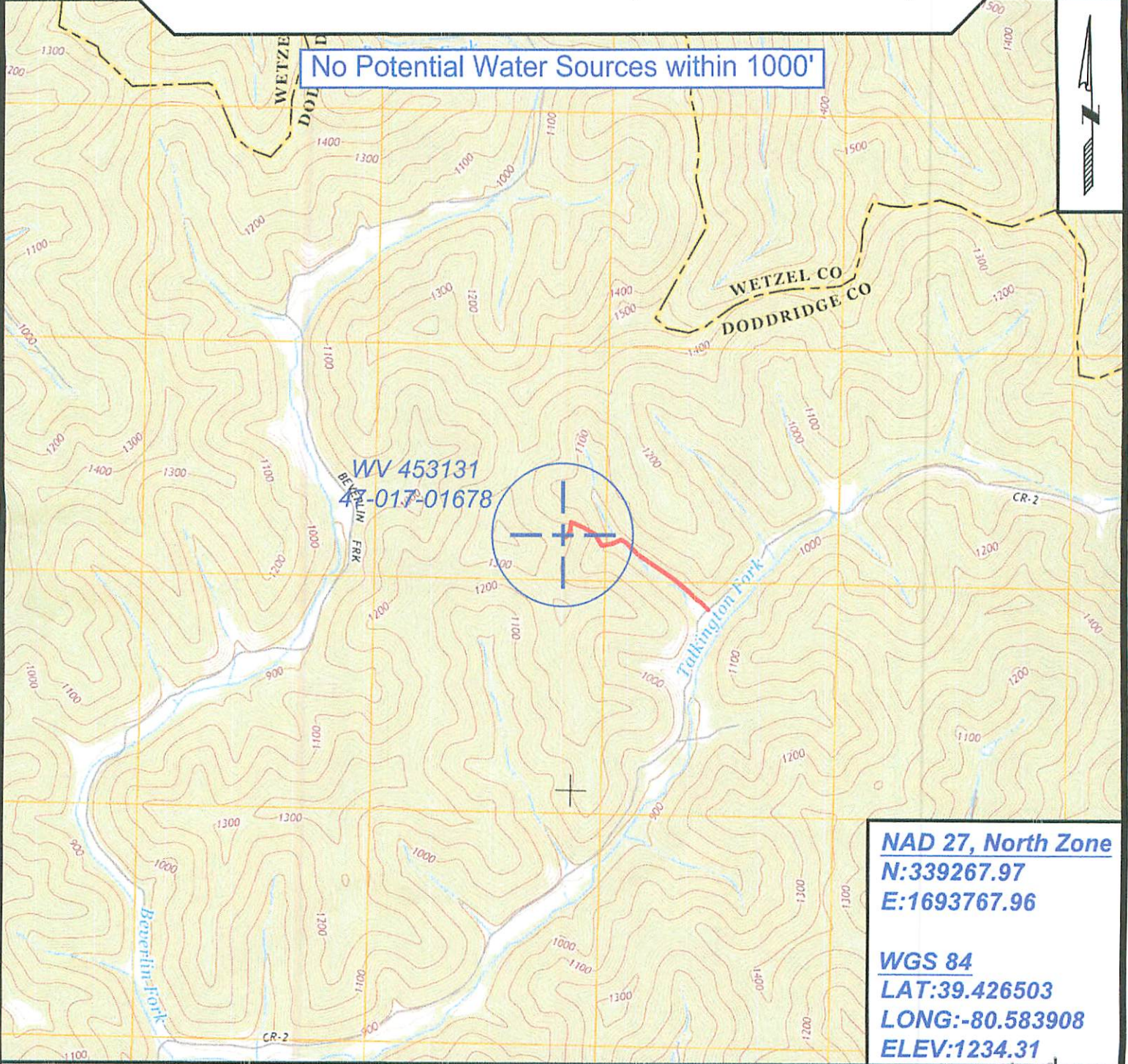
District: McClellan

Project No: 67-30-00-08

Water

### 47-017-01678 WV 453131 (Haddox W-11488)

No Potential Water Sources within 1000'



**NAD 27, North Zone**  
**N:339267.97**  
**E:1693767.96**

**WGS 84**  
**LAT:39.426503**  
**LONG:-80.583908**  
**ELEV:1234.31**



**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

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**04/01/2016**

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

NOG  
5/16/16  
DAE

Operator Name: EQT PRODUCTION COMPANY OP ID: \_\_\_\_\_

Watershed: McElroy Creek Quadrangle: Folsom 7.5'

Elevation: 1234 ft. County: Doddridge District: McClellan

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

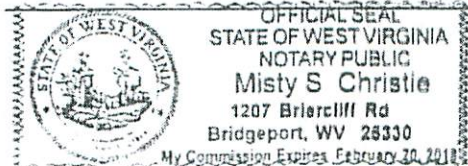
Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 9th day of March, 2016

*Misty S. Christie*

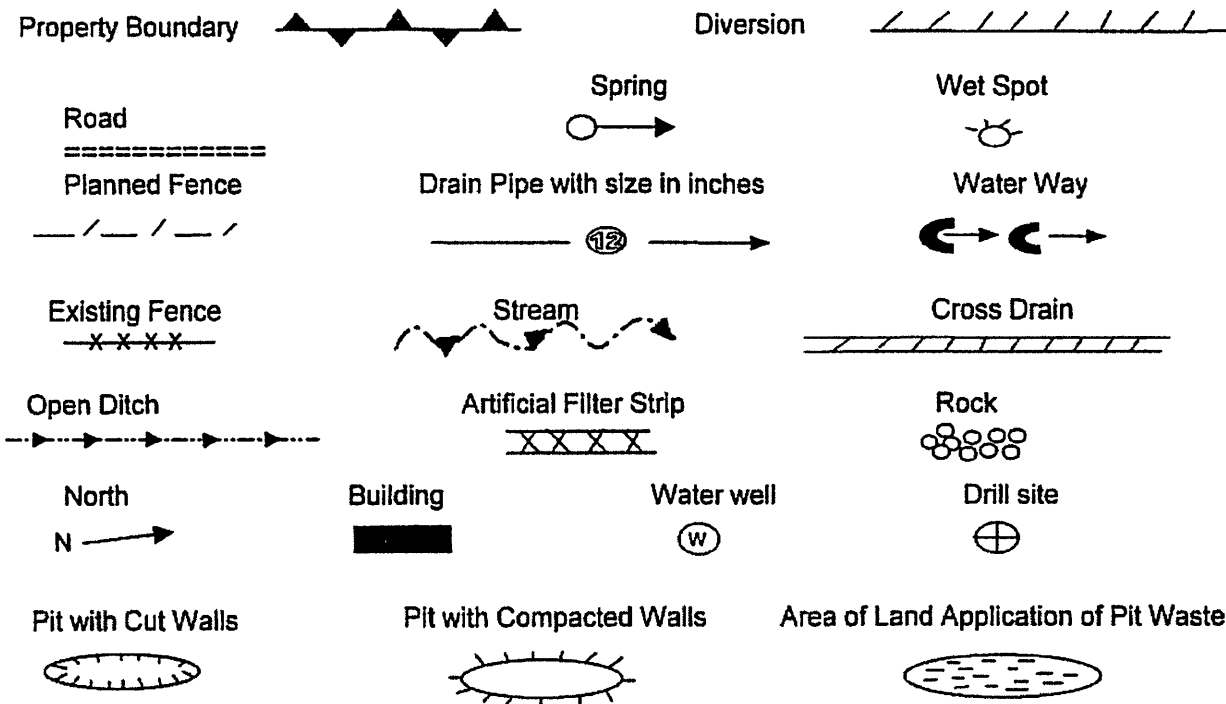
Notary Public

My Commission Expires 2/20/18



**OPERATOR'S WELL NO.:**  
453131 (Haddox W-11488)

**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: Michael Hoff DAF

Comments: Seed + Mulch disturbed areas per WVDEP regulations

Title: Oil & Gas Inspector Date: 3/16/16

Field Reviewed? Yes  No

1701678P

Topo Quad: Folsom 7.5'

Scale: 1" = 2000'

County: Doddridge

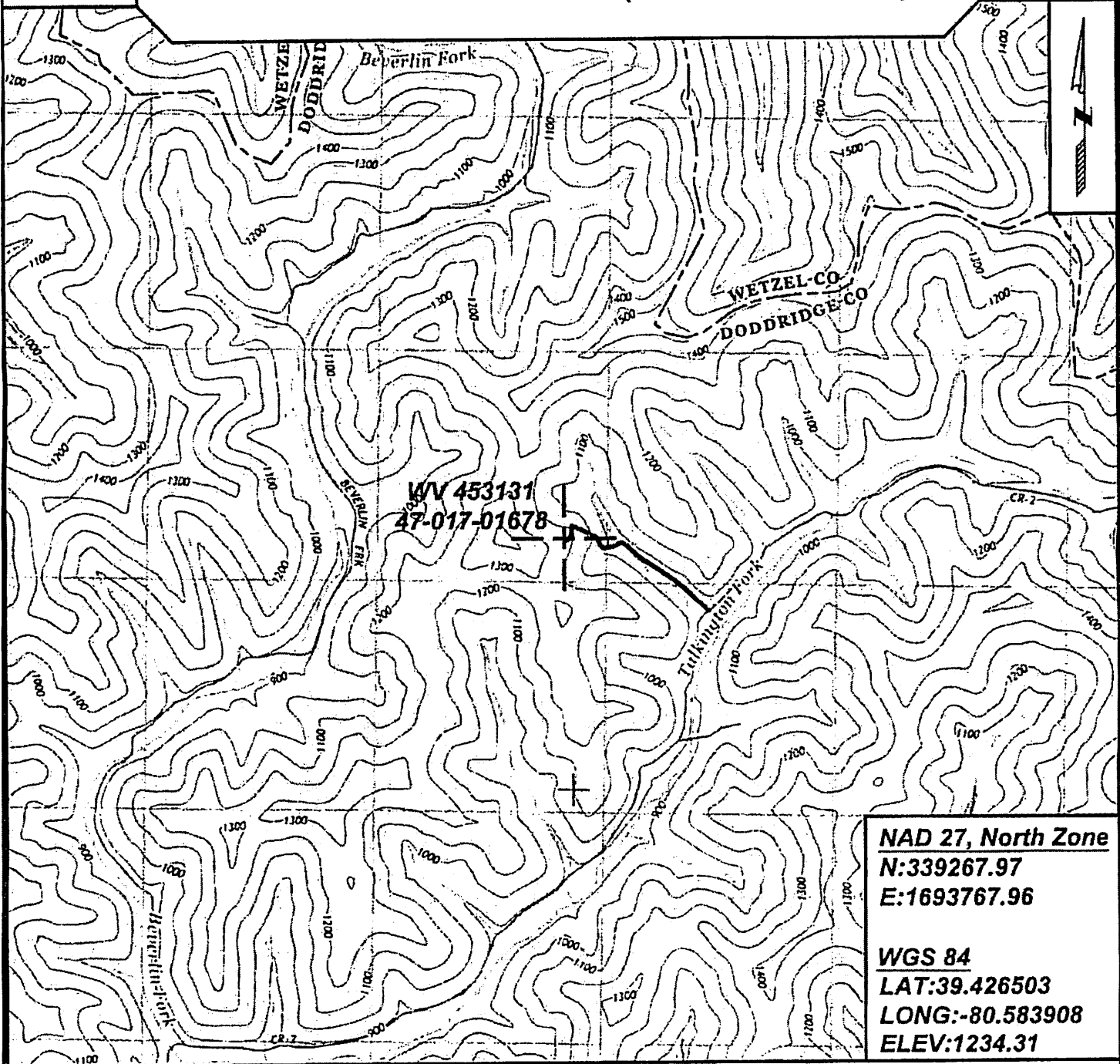
Date: February 18, 2016

District: McClellan

Project No: 67-30-00-08

### 47-017-01678 WV 453131 (Haddox W-11488)

Topo



**NAD 27, North Zone**  
**N:339267.97**  
**E:1693767.96**

**WGS 84**  
**LAT:39.426503**  
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PREPARED FOR:  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330  
 MAB  
 3/10/16  
 DGF

04/01/2016

1701678P

Topo Quad: Folsom 7.5'

Scale: 1" = 2000'

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# 47-017-01678 WV 453131 (Haddox W-11488)

Topo



**WV 453131**  
**47-017-01678**

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PREPARED FOR:

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P.O. Box 280  
 Bridgeport, WV 26330

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**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: McElroy Creek Quadrangle: Folsom 7.5'  
Elevation: 1234 ft. County: Doddridge District: McClellan

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:  
X Land Application  
\_\_\_\_ Underground Injection - UIC Permit Number \_\_\_\_\_  
\_\_\_\_ Reuse (at API Number) \_\_\_\_\_  
\_\_\_\_ Offsite Disposal Permit #. \_\_\_\_\_  
\_\_\_\_ Other: Explain \_\_\_\_\_

*All pits must be lined with a minimum of 20 mil thickness synthetic liner TPW*

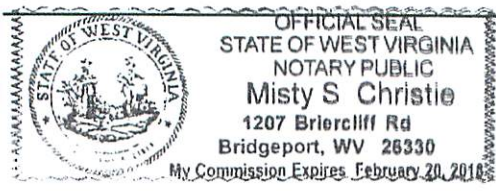
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If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_  
Additives to be used? \_\_\_\_\_

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 9th day of March, 2016

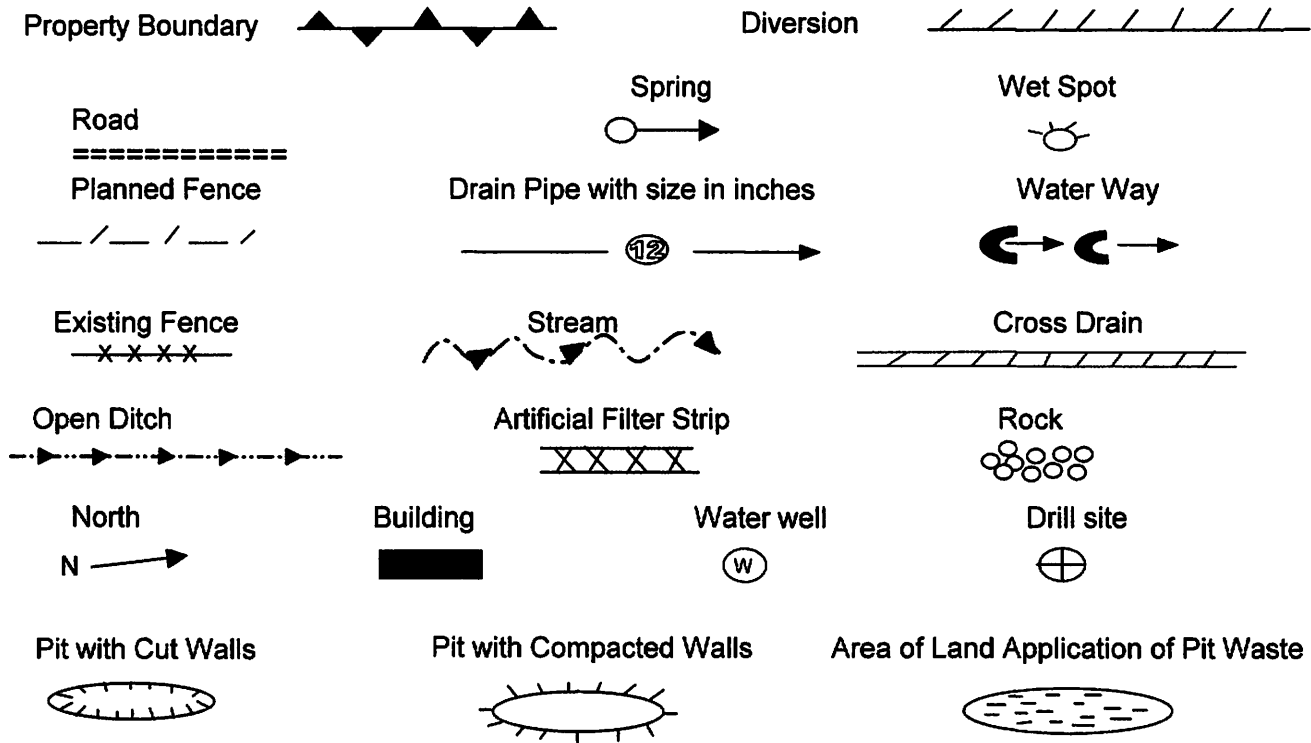
*Misty S. Christie* Notary Public  
My Commission Expires 2/20/18



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MAR 14 2016  
04/01/2016

**OPERATOR'S WELL NO.:**  
**453131 (Haddox W-11488)**

**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: \_\_\_\_\_

Comments: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed?        Yes        No

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 Office of Oil & Gas

MAR 14 2016

WW-7  
8-30-06



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

API: 47-017-01678 WELL NO.: WV 453131 (Haddox W-11488)

FARM NAME: J. L. Haddox

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge DISTRICT: McClellan

QUADRANGLE: Folsom 7.5'

SURFACE OWNER: Lorie J. and Tracie P. Leonard

ROYALTY OWNER: Ercel Ashcraft, et al.

UTM GPS NORTHING: 4364190

UTM GPS EASTING: 535813 GPS ELEVATION: 376 m (1234 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 X: Post Processed Differential X  
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.

*Steve Brown*  
Signature

PS# 2180  
Title

3/1/16  
Date

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MAR 14 2016

04/01/2016