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

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 penalities 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.

1701678P

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.

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 400.00

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
Address: 120 Professional Place
Bridgeport, WV 26330

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

8) Oil & Gas Name: Daniel Flack
Address: 58 Rive Ave.
Buckhannon, WV

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 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 Daff Date 3/14/16

PLUGGING PROGNOSIS
Haddox, J.L. #11488 (453131)
Doddridge 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 ½" csg@ 2361'
TD @ 2425'
Elevation@1230'
Fresh Water @None Reported
Salt Water @ none reported
1st 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', (1st 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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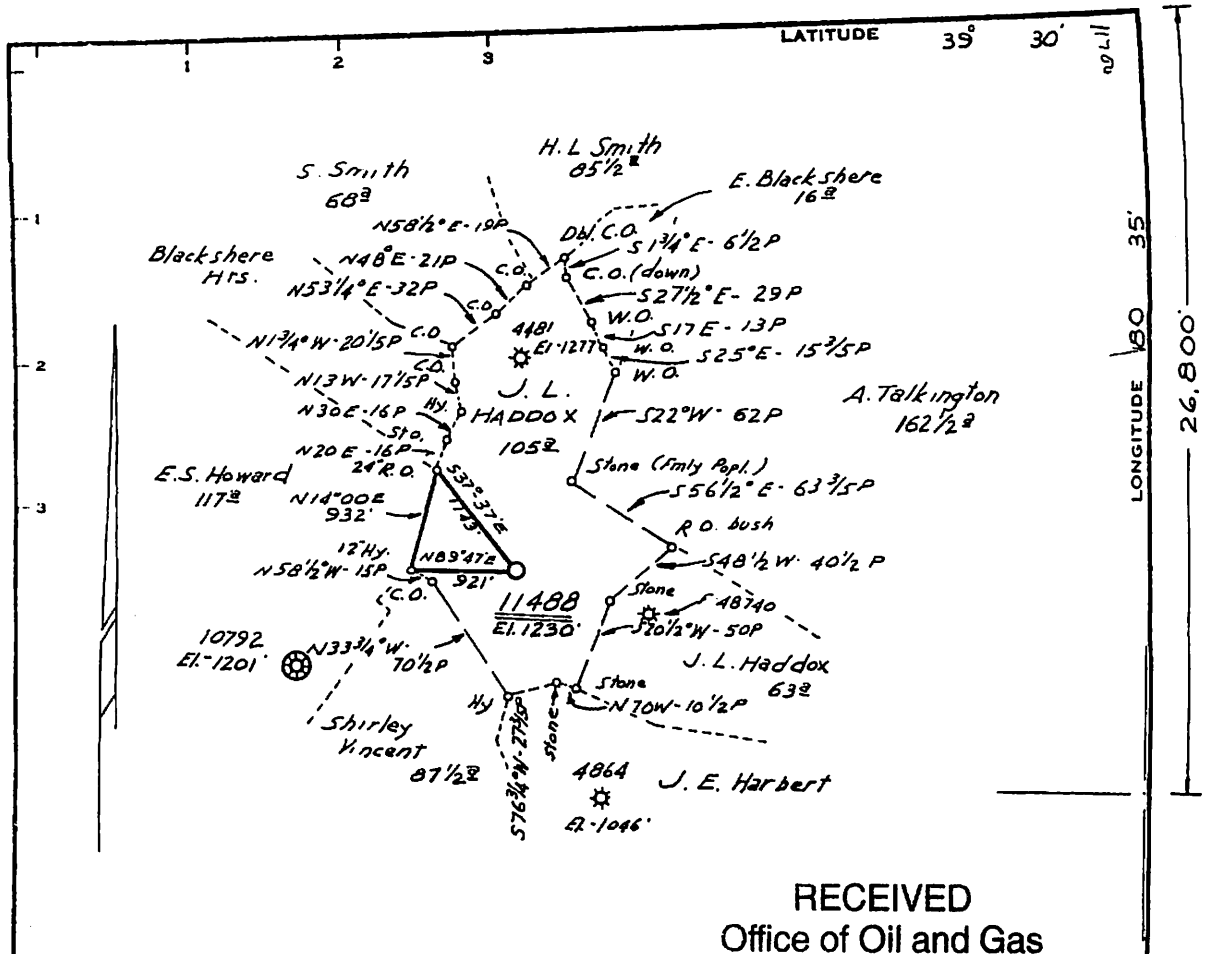
Office of Oil and Gas

MAR 14 2016

WV Department of
Environmental Protection

JAF MAB 3/16/16

1701678P



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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 F.B. 1624 Pgs. 8-10

Company CONSOLIDATED GAS SUPPLY CORP.
Address CLARKSBURG, W. VA.
Farm J. L. HADDOX
Tract Acres 105 Lease No. 26600
Well (Farm) No. Serial No. 11488
Elevation (Spirit Level) 1230'
Quadrangle CENTERPOINT N.C.
County DODDRIDGE District McCLELLAN
Engineer Jackson M. Jarvis
Engineer's Registration No. 12397
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 inch = 2000 feet, 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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MAR 14 2016

6135

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OG-10
Rev. - 9-71

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

RECEIVED
DEC 5 1972
OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle CENTERPOINT

Permit No. DOD-1678

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm J. L. Haddox 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 14 day hrs. before test 620 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond.			
13-10"	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			

Attach copy of cementing record.

Well treatment details:
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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Office of Oil & Gas
MAR 14 2016

1701678P

WW-4-A
Revised 6/07

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

Name
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**
Its: **Permitting Supervisor**
Address: **PO Box 280**
Bridgeport, WV 26330
Telephone: **(304) 848-0076**

Subscribed and sworn before me this 9th 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.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

Received
Office of Oil & Gas
MAR 14 2016

1701678P

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.

Received
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

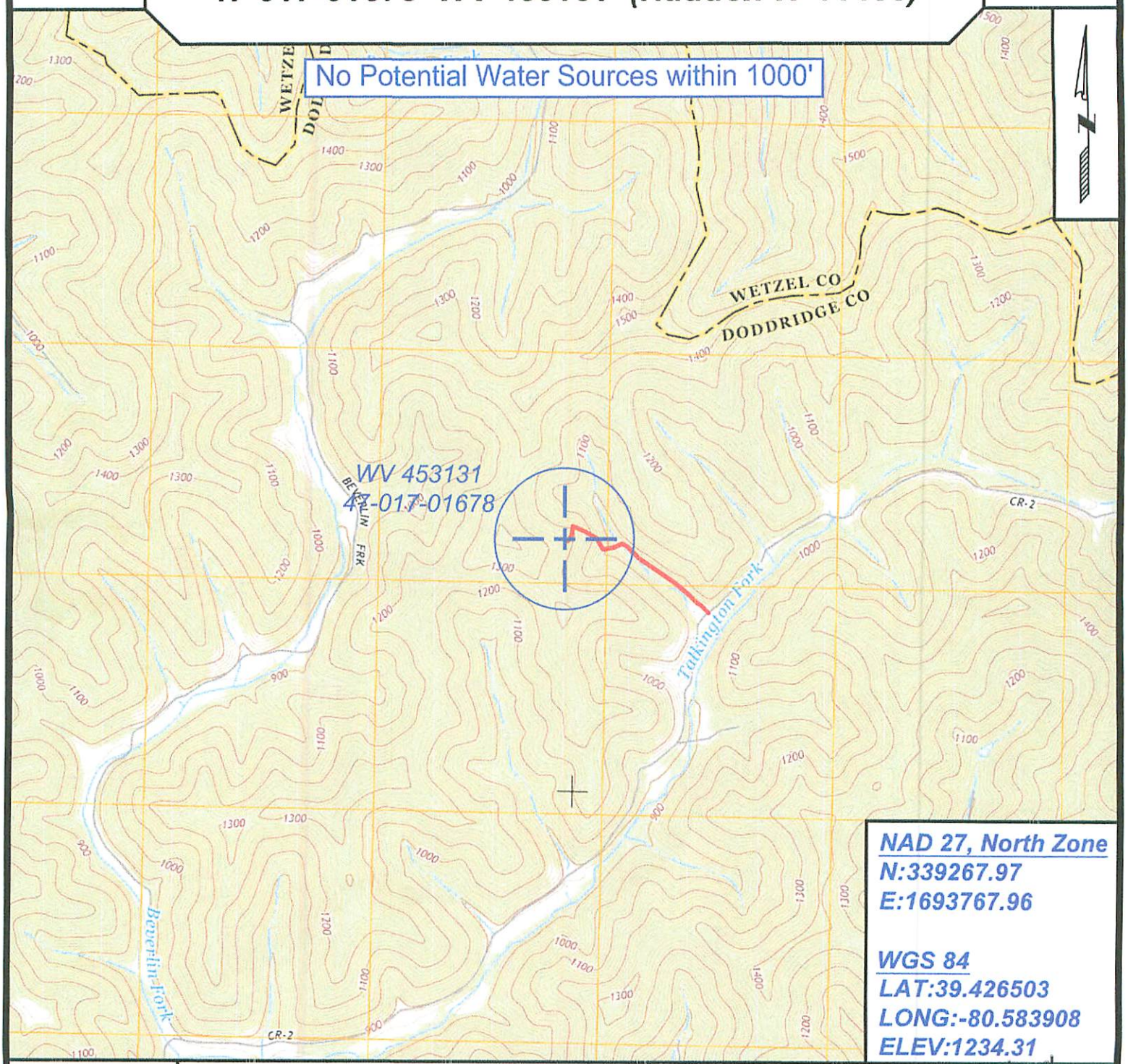
ALLEGHENYSURVEYS.COM

1701678P

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)



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

Received
Office of Oil & Gas
MAR 14 2016

1701678P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
453131 (Haddox W-11488)
3) API Well No.: 47 017 - 01678

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 3/16/16 DRF

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 mil~~ 20mil

Proposed Disposal Method for Treated Pit Wastes:

X 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 9th day of March, 2016

Misty S. Christie Notary Public

My Commission Expires 2/20/18

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

1701678P

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

LEGEND

Property Boundary | Diversion

Spring | Wet Spot

Road

Planned Fence | Drain Pipe with size in inches | Water Way

Existing Fence | Stream | Cross Drain

Open Ditch | Artificial Filter Strip | Rock

North | Building | Water well | Drill site

Pit with Cut Walls | Pit with Compacted Walls | Area of Land Application of Pit Waste

---

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 Hall DOF

Comments: Seed + Mulch disturbed areas per WVDEP regulations

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

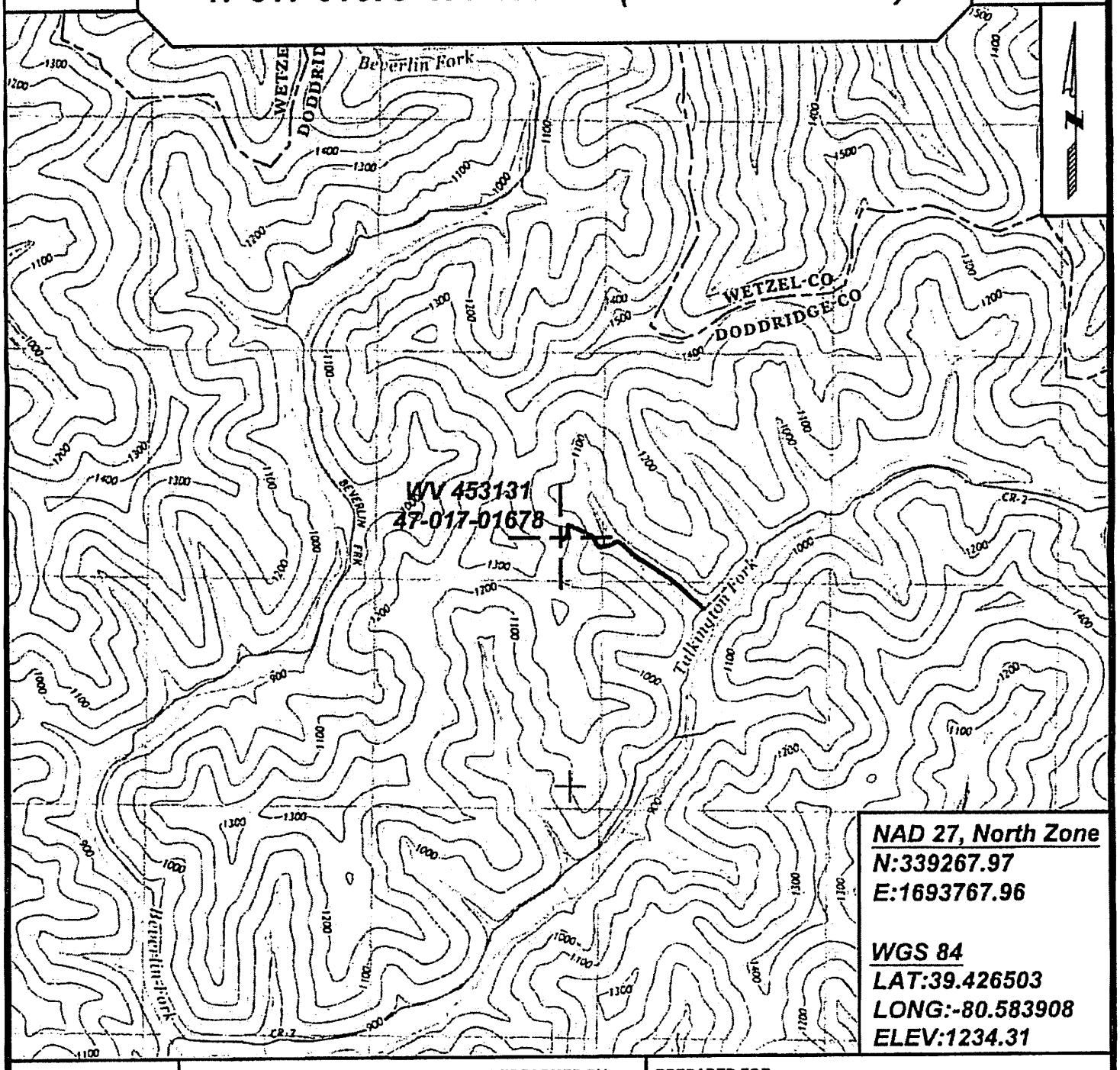
Field Reviewed? _____ Yes ✓ No

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
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

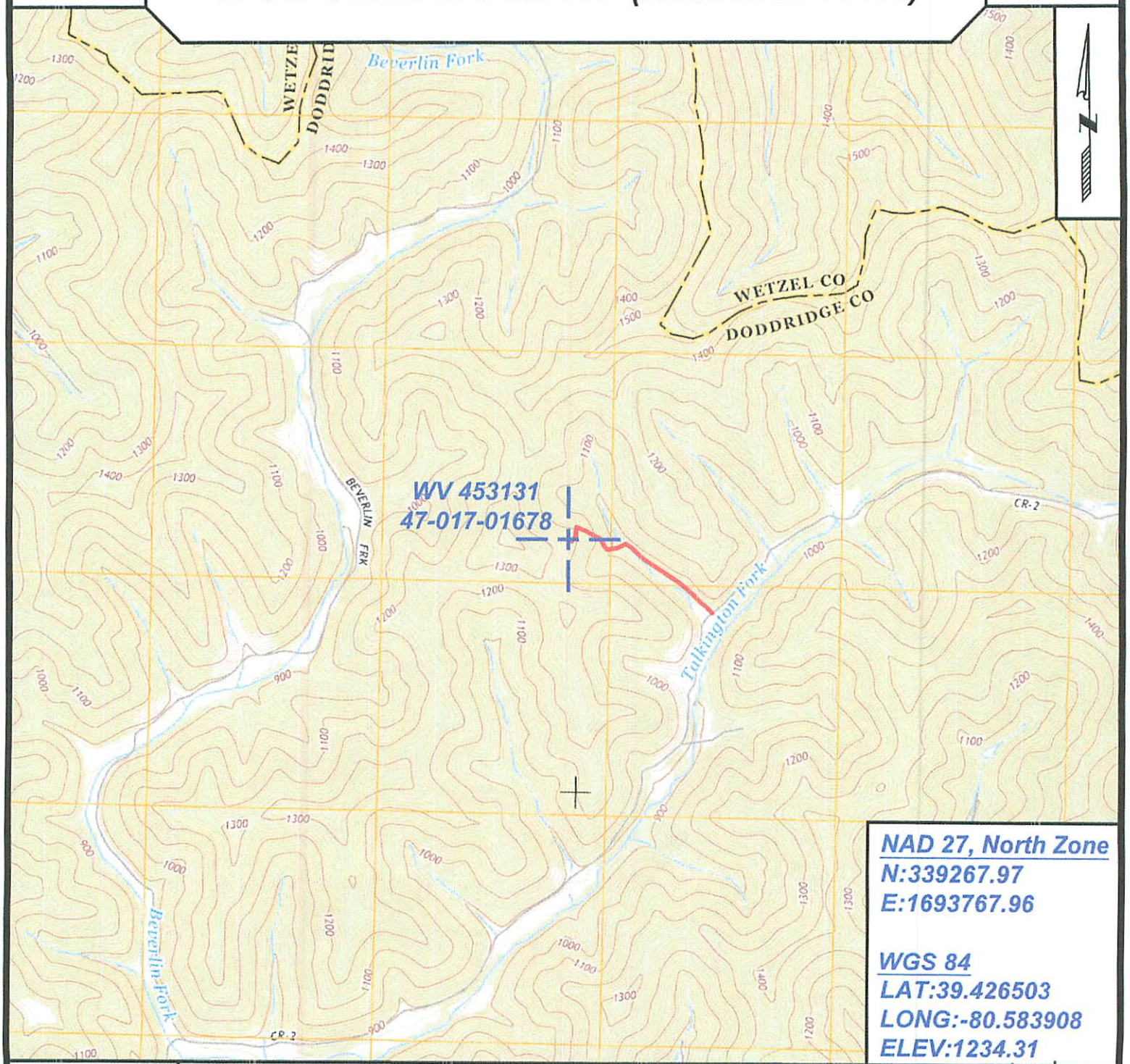
MAG 3/16/16
DGF

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



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PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company
P.O. Box 280
Bridgeport, WV 26330

Received
Office of Oil & Gas
MAR 14 2016

1701678P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
453131 (Haddox W-11488)
3) API Well No.: 47 017 - 01678

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

Proposed Disposal Method for Treated Pit Wastes:
X 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 9th day of March, 2016

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

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

Received
Office of Oil & Gas
MAR 14 2016

1701678P

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

LEGEND

Property Boundary

Diversion

Spring

Wet Spot

Road

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

W

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

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

Seed Type	lbs/acre
Red Fescue	40
Alsike Clover	5
Annual Rye	15

Area II

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

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

Received
Office of Oil & Gas
MAR 14 2016

1701678P

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.

Signature	Title	Date
Stacy O Brown	PS # 2180	3/1/16

Received
Office of Oil & Gas
MAR 14 2016