



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

April 22, 2014

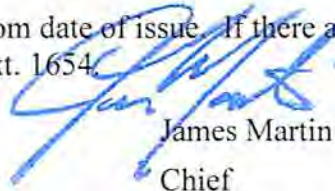
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2101396, 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: 160071 (STEINBECK # 6)

Farm Name: STEINBECK HEIRS

API Well Number: 47-2101396

Permit Type: Plugging

Date Issued: 04/22/2014

Promoting a healthy environment.

04/25/2014

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.

Date: 3-17-14
Operator's Well _____
Well No. 160071 (Steinbeck #6)
API Well No.: 47 021 - 01396

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: 1132' Watershed: Mudlick Run of Tanner Creek of Little Kanawha River
Location: Troy County: Gilmer Quadrangle: Gilmer 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 Bryan Harris
Name: P.O. Box 157
Address: Volga, WV 26238

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 [Signature] Date 4-9-14



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 6

Quadrangle Glenville

Permit No. OIL-1396

WELL RECORD

Oil or Gas Well Gas

Company: Oilmer County Oil & Gas Properties, 1514-23rd Street, Parkersburg, W. Va. Farm: Steinbeck Acres: 590 Location: Leading Creek Well No: 6 Elev: 1050' District: Troy County: Oilmer. This surface of tract is owned in fee by Steinbeck Heirs Address: 1212 Washington Ave. Parkersburg, W. Va. Mineral rights are owned by Steinbeck Heirs Address: 1212 Washington Ave. Parkersburg, W. Va. Drilling commenced: June 19, 1962 Drilling completed: July 18, 1962 Data Shot: From To With Open Flow 23 /10ths Water in 009 Inch /10ths Merc. in Volume 20,000 Cu. Ft. Rock Pressure 250 lbs. hrs. Oil bbls. 1st 24 hrs. WELL ACIDIZED WELL FRACTURED July 23, 1962 RESULT AFTER TREATMENT 500,000 cu. ft. ROCK PRESSURE AFTER TREATMENT 425 lbs. - 24 hrs. Fresh Water Feet Salt Water Feet

Table with 8 columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Rows include Red Rock, Lime, Sand, Slate, Coal, etc. with depth measurements.



011 680 Received

(over)

MAR 19 2014

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	gray	hard	745	770			
Slate & Sh.	white	med	770	815			
Sand	white	med.	815	855			
Slate & Sh.	white	med.	855	865			
Sand	gray	med.	865	885	Oil	870-80	show
Slate & Sh.	white	med.	885	950	Gas	870-80	bubble
Sand	gray	med.	950	1135			
Lime	black	hard	1135	11.50			
1st Salt S.	gray	med.	1150	1200			
Slate	black	soft	1200	1210			
2nd Salt S.	dark	med.	1210	1292			
Slate & Sh.	black	med.	1292	13.50			
Lime	gray	hard	1350	1400			
3rd Salt S.	white	hard	1400	1430	gas	1410-30	bubble
Slate & Sh.	black	med.	1430	1442			
Sand	dark	med.	1442	1505	Gas	1442-48	32/10 W. 1"
Slate & Sh.	black	med.	1505	1620			
Lime	gray	hard	1620	1635			
Slate	white	soft	1635	1645			
Lime	white	hard	1645	1670			
Red rock	red	med.	1670	1686			
Lime	dark	hard	1686	1690			
Red Rock	red	med.	1690	1700			
Slate & Sh.	white	med.	1700	1717			
Little Lime	dark	hard	1717	1734			
Slate Break	black	soft	1734	1735			
Big Lime	light	hard	1735	1745			
Slate	white	soft	1745	1750			
Big Lime	light	hard	1750	1754			
Slate	white	soft	1754	1760			
Big Lime	light	hard	1760	1835			
Slate	dark	soft	1835	1837			
Kenner Sand	light	hard	1837	1850	Gas	1850-53	bubble
Big Lime	dark	hard	1850	1858	Oil	1865-68	show
Injun Sand	white	hard	1858	1920	Gas	1883-87	bubble
Blue Fossom Sand	dark	med.	1920	1964	Gas	1892-1906	23/10 W. 1"
				1964 T.D.			

Received

Date August 1 18 62
 GILMER COUNTY OIL & GAS PROPERTY
 APPROVED BY [Signature] Owner
 By MANAGER (Title)

MAR 19 2014

Office of Oil and Gas
 WV Dept. of Environmental Protection

04/25/2014

1) Date: 3-17-14
2) Operator's Well Number
160071 (Steinbeck #6)
3) API Well No.: 47 021 - 01396
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 Ernest L. Arbuckle Family Trust
Address Ernest L. Arbuckle Marital Trust
C/O Security National Trust Company
1300 Chapline St.
Wheeling, WV 26003
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Bryan Harris
Address P.O. Box 157
Volga, WV 26238
Telephone 304-553-6087

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Unknown
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:
OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Nicholas L. Bumgarner
Rt. 1, Box 4
Liberty, WV 25124
My Commission Expires July 2018

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

Subscribed and sworn before me this 17 day of MARCH, 2014
My Commission Expires: 6/27/2018
Notary Public

received

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.

MAR 19 2014
WV Dept. of Environmental Protection

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usps.com
FIRST CLASS MAIL
03/17/2014
\$07.40
US POSTAGE
ZIP 26330
0411L1022899Z

CERTIFIED MAIL™



7013 2630 0001 4239 3710
7013 2630 0001 4239 3710

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Pp		

Postmark Here

Sent to
 Ernest L. Arbuckle Family Trust
 Ernest L. Arbuckle Marital Trust
 C/O Security National Trust Company
 1300 Chapline St.
 Wheeling, WV 26003
 160071 plugging

PS Form 3800, August 2006 See Reverse for Instructions

Ernest L. Arbuckle Family Trust
Ernest L. Arbuckle Marital Trust
C/O Security National Trust Company
1300 Chapline St.
Wheeling, WV 26003
160071 plugging

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

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Ernest L. Arbuckle Family Trust
 Ernest L. Arbuckle Marital Trust
 C/O Security National Trust Company
 1300 Chapline St.
 Wheeling, WV 26003
 160071 plugging

2. Article Number
 7013 2630 0001 4239 3710
 (Transfer from service label)
 PS Form 3811, July 2013 Domestic Return Receipt

3. Service Type
 Certified Mail®
 Priority Mail Express™
 Registered
 Insured Mail
 Collect on Delivery

4. Restricted Delivery? (Extra Fee)
 Yes
 No

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:

Received

MAR 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

**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: Mudlick Run of Tanner Creek of Little Kanawha River Quadrangle: Gilmer 7.5'

Elevation: 1132' County: Gilmer District: Troy

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.? 30 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.

Received

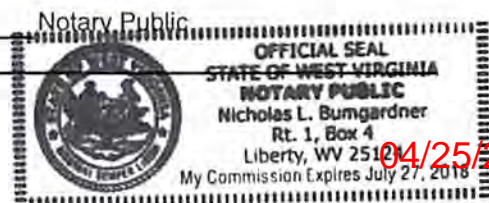
Company Official Signature *Victoria Roark* MAR 19 2014

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 17 day of MARCH, 2014

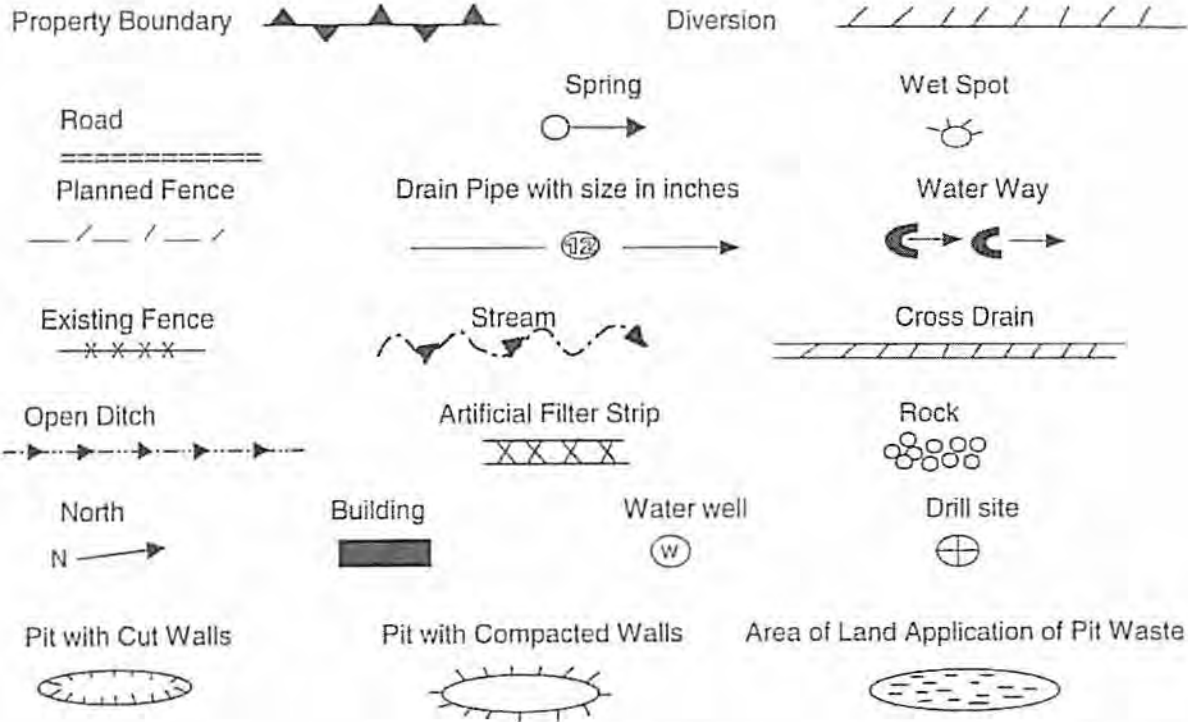
My Commission Expires 6/27/2018



04/25/2014

OPERATOR'S WELL NO.:
160071 (Steinbeck #6)

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: *Raymond O'Hara*

Comments: _____

Title: Inspector Date: 4-9-14
 Field Reviewed? Yes No

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Topo Quad: Gilmer 7.5'

Scale: 1" = 2000'

County: Gilmer

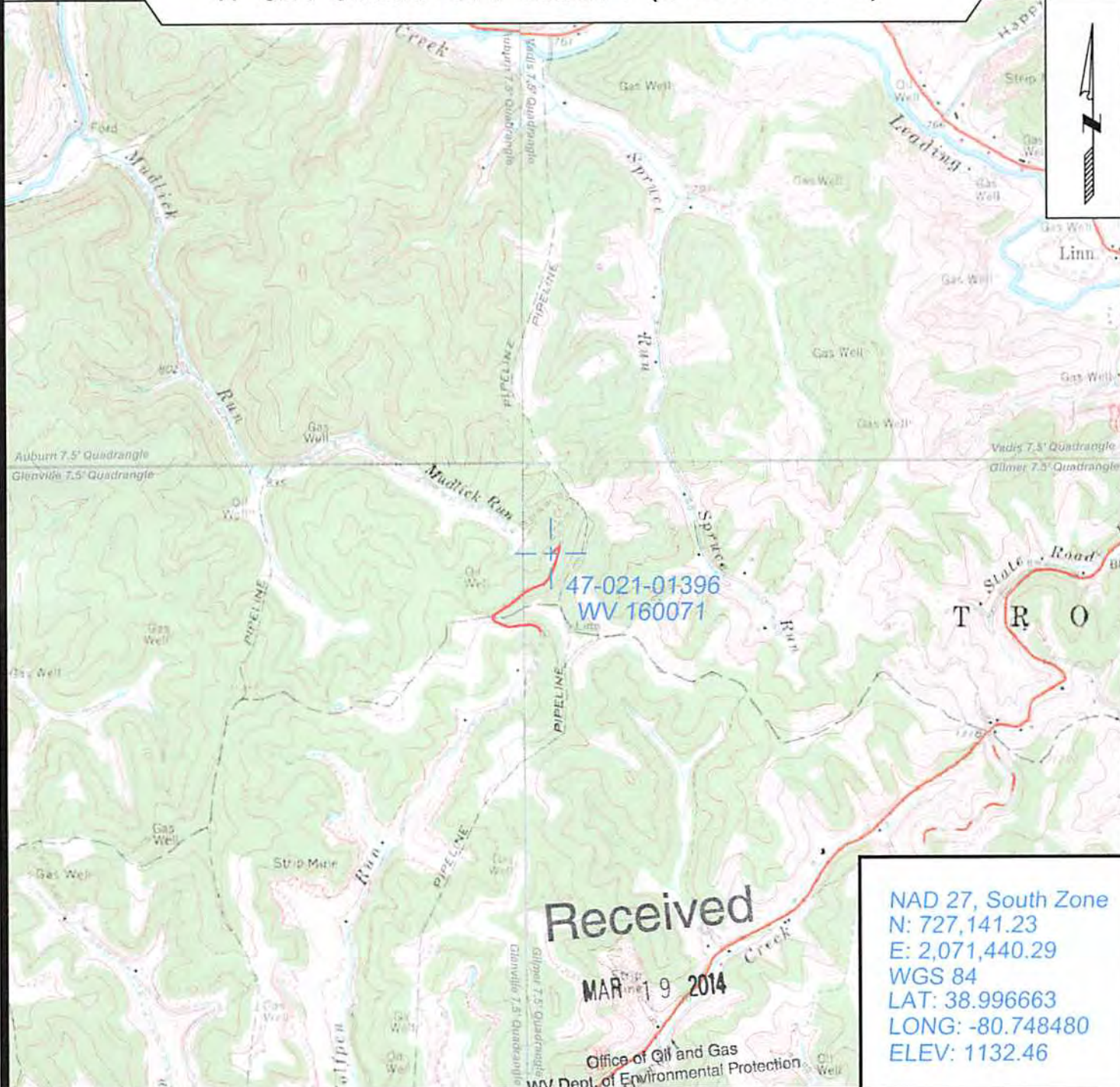
Date: February 27, 2014

District: Troy

Project No: 25-19-00-07

47-021-01396 WV 160071 (Steinbeck # 6)

Topo



Received

MAR 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

NAD 27, South Zone
 N: 727,141.23
 E: 2,071,440.29
 WGS 84
 LAT: 38.996663
 LONG: -80.748480
 ELEV: 1132.46



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

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

04/25/2014

2101396P

WW-7
8-30-06



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

API: 47-021-01396 WELL NO.: WV 160071 (Steinbeck # 6)
FARM NAME: Steinbeck Heirs
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Gilmer DISTRICT: Troy
QUADRANGLE: Gilmer 7.5'
SURFACE OWNER: Ernest L. Arbuckle Family Trust c/o Security National Trust Co.
ROYALTY OWNER: Ernest L. Arbuckle Family Trust, et al.
UTM GPS NORTHING: 4316436
UTM GPS EASTING: 521781 GPS ELEVATION: 345 m (1132 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 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 [Handwritten Signature]
Date 3/7/14

Title PS # 2180

Received

MAR 19 2014

04/25/2014

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

Date: 3-17-14
Operator's Well
Well No. 160071 (Steinbeck #6)
API Well No.: 47 021 - 01396

CK172B
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: 1132' Watershed: Mudlick Run of Tanner Creek of Little Kanawha River
Location: Troy 4 County: Gilmer Quadrangle: Gilmer 7.5' 365
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 Bryan Harris
Name: P.O. Box 157
Address: Volga, WV 26238

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

Date

Work order approved by inspector _____

Received

MAR 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Steinbeck # 6 - WV 160071 - API No. 47-021-01396

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 160071.

Received

MAR 19 2014

BIRCH RIVER OFFICE
 P.O. Box 438 • 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

Office of Oil and Gas
 WV Dept. of Environmental Protection
ALUM CREEK OFFICE
 P.O. Box 108 • 1413 Childress Road
 Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

2101396A

Topo Quad: Gilmer 7.5'

Scale: 1" = 2000'

County: Gilmer

Date: February 27, 2014

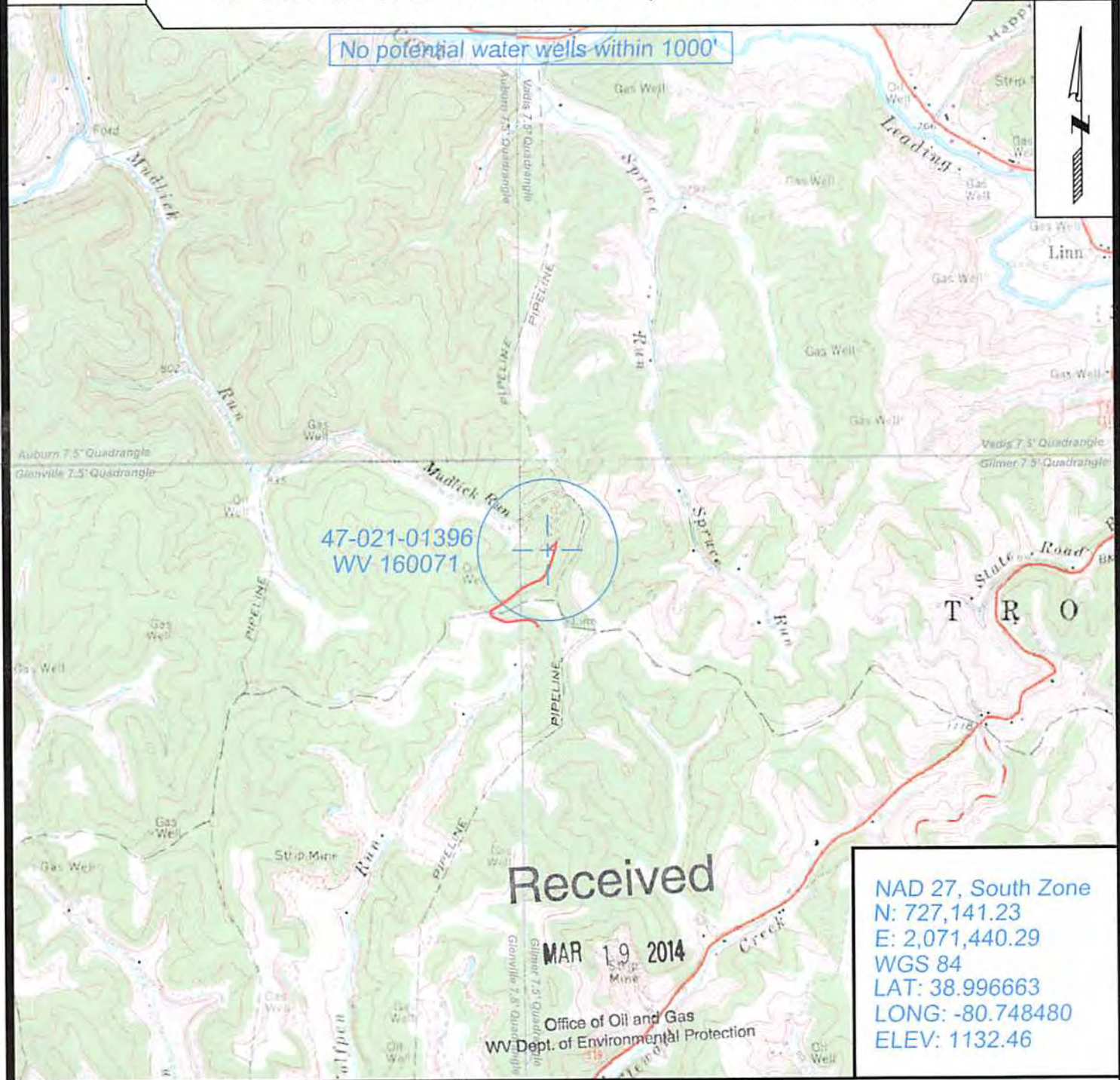
District: Troy

Project No: 25-19-00-07

Water

47-021-01396 WV 160071 (Steinbeck # 6)

No potential water wells within 1000'



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

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

04/25/2014