



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

October 22, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1500712, 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: C&L A 1-1396
Farm Name: ELK RIVER COAL
API Well Number: 47-1500712
Permit Type: Plugging
Date Issued: 10/22/2015

Promoting a healthy environment.

10/23/2015

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

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

Date: September 21, 2015
Operator's Well
Well No. 121801 (Elk River Coal & Lumber GW-1396)
API Well No.: 47 015 - 00712

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

CK # 19879 \$1000

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil _____ Gas X Liquid Injection _____ Waste Disposal:
If Gas, Production _____ Or Underground storage _____ Deep _____ Shallow X
- 5) Elevation: 1053 ft. ~~824~~ Watershed: Hickory Fork
Location: Henry County: Clay Quadrangle: Swandale
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 Jeremy James
Name: P. O. Box 147
Address: Ona, WV 25545
- 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.

OK gmm

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 _____ Date _____

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10/23/2015

PLUGGING PROGNOSIS

Elk River #1396 (121801)

Clay Co, WV

API # 47-007- 00142

District: Henry

BY: Craig Duckworth

DATE: 8/24/15

CURRENT STATUS:

16" csg @ 31'
 13 3/8" csg @ 82'
 10 3/4" csg @ 383'
 8 1/4" csg @ ~~1472'~~ **1144' LEFT IN WELL**
 NO 7" csg LEFT IN WELL - ~~7" csg~~ @ 1641' (R/L nipple @ 1622' 20sks cem. pulled)
 5 3/16" csg @ 1879'
 2 3/8" tbg @ 1875' (packer @ 1813')

TD @ 1983' (plugged back to 1870')**Fresh Water** @ None reported**Salt Water** @ 874', 1370', 1680' - 1690'**Coal** @ None reported**Gas shows** @ Big Lime @ 1654'-1701', Big Lime @ 1702'-1878', 1845'-1851'**Oil Shows** @ None Reported**Stimulation:** Perfs @ 1824'-1830', 1844'-1856'**Elevation:** 1023'

1. Notify State Inspector, **Jeremy James 304-951-2596**, 24 hrs. Prior to commencing operations.
2. Attempt to pull 2 3/8" tbg if unable to pull cut 2 3/8" tbg off at packer @ 1813' TOO H w/ 2 3/8" tbg
3. Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 2 3/8" cut. Do not omit any plugs
4. TIH w/ tbg @ 1813'; Set 400' CIA Cement Plug @ 1813' to 1413' (2 3/8" csg cut @ 1813', 5 3/16" @ 1879' & 7" @ 1641', Gas Shows @ 1654'-1701', 1702'-1878', 1845'-1851' & 8 1/4" @ 1472')
5. Set a 100' CIA Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below ~~7" cut~~ **5 3/16" cut**. Do not omit any plugs
6. TIH w/ tbg @ 1413; gel hole @ 1413' to 1023'.
7. TOO H w/ tbg @ 1023'; Set 100' CIA Cement Plug @ 1023' to 923' (Elevation @ 1023')
8. TOO H w/ tbg @ 923; gel hole @ 923' to 433'.
9. TOO H w/ tbg @ 433'; Set 100' CIA Cement Plug @ 433' to 333' (10" @ 383') TOO H w/ 10" csg
10. 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
11. TIH w/ tbg @ 333'; gel hole @ 333' to 200'
12. TOO H w/ tbg @ 200'; Set 200' CIA Cement Plug @ 200' to 0 (13 3/8" csg @ 82' & 16" @ 31')
13. Top off as needed
16. Set Monument to WV-DEP Specifications
17. Reclaim Location & Road to WV-DEP Specifications

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

Quadrangle Summersville SW

Permit No. CLA-712 121801

WELL RECORD

Oil or Gas Well gas

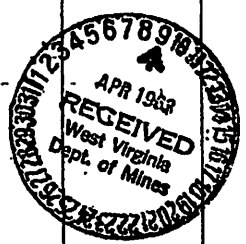
Company Cities Service Oil Company
 Address Box 873, Charleston 23, W. Va.
 Farm Elk River Coal & Lbr. Co Acres 27, 155
 Location (waters) Hickory Fork
 Well No. 1 - GW-1396 Elev. 1023.69'
 District Henry County Clay
 The surface of tract is owned in fee by The Pittston Co.
770 Clarksburg Coal Co. P. O. Box 472
H. C. Brackenbush Address Clarksburg, W. Va.
 Mineral rights are owned by SAME
 Address _____
 Drilling commenced 2-4-63
 Drilling completed 3-12-63
 Date Shot not shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume show _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls. 1st 24 hrs.
 WELL ACIDIZED see reverse side
 WELL FRACTURED not fractured

Casing and Taping	Used in Drilling	Left in Well	Packers
Size			
18" 65#	31'	31'	Kind of Packer
18 3/8" 48#	82'	82'	<u>Larkin C-134</u>
18 1/4" 40#	383'	383'	Size of 5-1/2"
8 1/2" 24#	1472' 7"	1144'	Depth set <u>1,813'</u>
5 3/16" 14#	1879' 6"	1879' 6"	
3			Perf. top _____
3 3/8" 4#	1875'	1875'	Perf. bottom _____
Linera Used <u>1/2" cage</u>			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
see reverse side
 COAL WAS ENCOUNTERED AT none FEET _____ INCHES _____
 FEET _____ INCHES _____ FEET _____ INCHES _____
 FEET _____ INCHES _____ FEET _____ INCHES _____

RESULT AFTER TREATMENT 152,000 cu. ft.
 ROCK PRESSURE AFTER TREATMENT 425.62 HOURS
 Fresh Water _____ Feet _____ Salt Water 874' 1370' 1680-90' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand and Gravel			0	5			
Sand			5	39			
Slate			35	45			
Sand			45	77			
Slate			77	110			
Sand			110	130			
Slate and Shells			130	240			
Slate			240	285			
Sand			285	350			
Slate			350	377			
Sand			377	398			
Slate			398	470			
Sand			470	485			
Shale and Shells			485	600			
Sand			600	610			
Slate			610	640			
Sand			640	682			
Slate and Shells			682	695			
Sand			695	733			
Slate and Shells			733	759			
Sand			759	792			
Slate and Shells			792	827			
Sand			827	887	S. water	874'	2 blrs/hr.
Slate and Shells			887	919			
Sand			919	934			
Slate and Shells			934	963			
Sand			963	1018			



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Formation	Color	Hard or Soft	Top ⁶	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate and Shells			1018	1060			
Sand			1060	1161			
Slate and Shells			1161	1245			
Sand			1245	1390	S. water	1370'	hole full
Red Rock			1390	1426			
Slate			1426	1446			
Sand			1446	1517			
Slate			1517	1530			
Red Rock			1530	1539			
Slate			1539	1565			
Lime			1565	1595			
Slate and Shells			1595	1610			
Red Rock			1610	1615	1637'DLM=1642'SLM		
Slate			1615	1654	S. water	1680-90'	6 blrs/exh.
Big Lime			1654	1701	Temperature log shows		gas
Slate break			1701	1702	1668-1670'		
Big Lime			1702	1878	1826-1828'		
Red Injun			1878	1895	1845-1851'		
Gray Injun			1895	1918			
Slate and Shells			1918	2000'DLM			
				1983' Birdwell Meas.			
Total depth-----				1983' Birdwell Meas.			
Plugged back depth-----				1870'			
Birdwell Measurements show							
Big Lime			1651	1860'			
CASING RECORD							
2-9-63	Ran 10-3/4" casing at 381'DLM - set in red mud on shoe.						
2-23-63	Ran 8-5/8" casing at 1463'DLM						
3-2-63	Ran 7" casing at 1673'DLM=1642'SLM with shoe - pulled.						
3-5-63	Ran 5-1/2" casing at 1870'SLM with shoe on bottom. Packer set at 1813' R/L nipple at 1622' - ran 20 sacks cement.						
Perforated 1824-30' 1844-56' 4 shots/ft.							
ACIDIZING RECORD							
Acidized Big Lime 3-21-63. Show gas before acidizing. Loaded tubing - pressured to 600# - held O. K. Pumped in 5,000 gallons acid and 17 bbls. flush mixed with 35,000 cu. ft. of Nitrogen. Pumping time 13 minutes. Maximum pressure 1550#. Average injection rate 14-15 bbls/minute. After 2500 gallons injected 20 perf balls- after 3500 gallons injected 20 perf balls - after 4250 gallons injected 20 perf balls.							
Final open flow 13/10 W. 2" - 152 MCF							

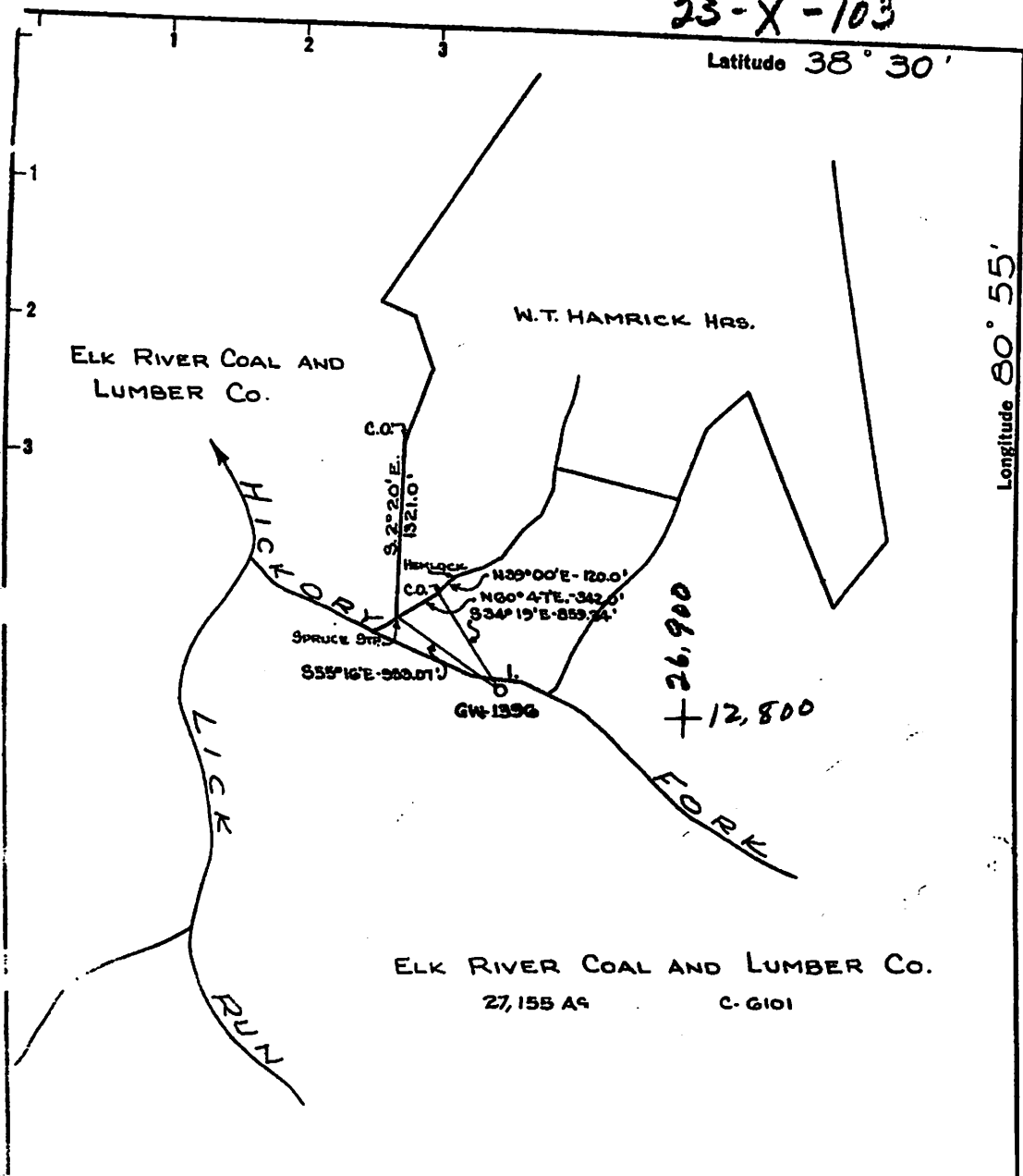
Date April 5, 1963

APPROVED Cities Service Oil Company ^{Owner}
 By W. S. Moore, Division Sup't of Oil and Gas
 (Title)

SEP 23 2015

WV Department of Environmental Protection 10/23/2015

23-X-103



New Location
 Drill Deeper
 Abandonment

Company COLUMBIAN CARBON Co.
 Address BOX 873- CHARLESTON, W.VA.
 Farm ELK RIVER COAL & LUMBER Co.
 Tract _____ Acres 27155 Lease No. C-6101
 Well (Farm) No. 1 Serial No. GW-1396
 Elevation (Spirit Level) 1023.69
 Quadrangle SUMMERSVILLE - 5512 - W-740
 County CLAY District HENRY
 Engineer P. L. ...
 Engineer's Registration No. 2074
 File No. _____ Drawing No. W-37-62
 Date 28 DEC. 62 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. CL-712

+ 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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1500712P

WW-4-A
Revised 6/07

1) Date: September 21, 2015
2) Operator's Well Number
121801 (Elk River Coal & Lumber GW-1396)
3) API Well No.: 47 015 - 00712
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:	5) (a) Coal Operator:
(a) Name <u>Allegheny Rural NMTC LLC</u>	Name <u>None</u>
Address <u>3001 Emerson Ave.</u>	Address _____
<u>Parkersburg, WV 26104</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Allegheny Rural NMTC LLC</u>
_____	Address <u>3001 Emerson Ave.</u>
_____	<u>Parkersburg, WV 26104</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Jeremy James</u>	(c) Coal Lessee with Declaration
Address <u>P. O. Box 147</u>	Name <u>None</u>
<u>Ona, WV 25545</u>	Address _____
Telephone <u>(304) 951-2526</u>	_____
_____	_____

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.

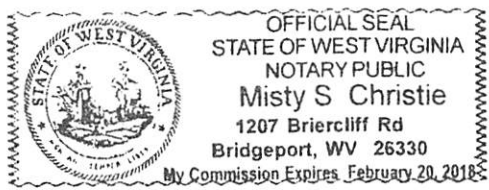
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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:	<u>EQT Production Company</u>
By:	<u>Victoria J. Roark</u>
Its:	<u>Permitting Supervisor</u>
Address:	<u>PO Box 280</u>
	<u>Bridgeport, WV 26330</u>
Telephone:	<u>(304) 848-0076</u>

Subscribed and sworn before me this 23rd day of September, 2015
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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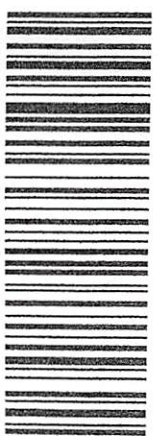
WV Department of Environmental Protection

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ZIP 26330
041L1022889

Alleghey Rural NMTC LLC
3001 Emerson Ave.
Parkersburg WV 26104

121801 Plugging Permit



7015 0640 0003 3473 3288
7015 0640 0003 3473 3288

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CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total \$	

Alleghey Rural NMTC LLC
3001 Emerson Ave.
Parkersburg WV 26104

121801 Plugging Permit

PS Instructions

Submitting Department
Junction
280
rt, WV 26330

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Alleghey Rural NMTC LLC
3001 Emerson Ave.
Parkersburg WV 26104

121801 Plugging Permit

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery

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

3. Service Type
 Adult Signature Priority Mail Express®
 Registered Mail™

10/23/2015

Attn: Permitting Department
EQT Production
P.O. Box 280
Bridgeport, WV 26330

neopost

09/22/2015

US POSTAGE



\$01.1

FIRST-CLASS

ZIP 26

0411102

Jeremy James
PO Box 147
Ona WV 25545

121801 Plugging Permit

10/23/2015

1500712P

1500712P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
121801 (Elk River Coal & Lumber GW-1396)
3) API Well No.: 47 015 - 00712

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: Hickory Fork Quadrangle: Swandale
Elevation: 921 ft. 1053 ft County: Clay District: Henry
Description of anticipated Pit Waste: ^{TPW} 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
TPW

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 22nd day of September, 2015

Misty S. Christie Notary Public
2/20/18

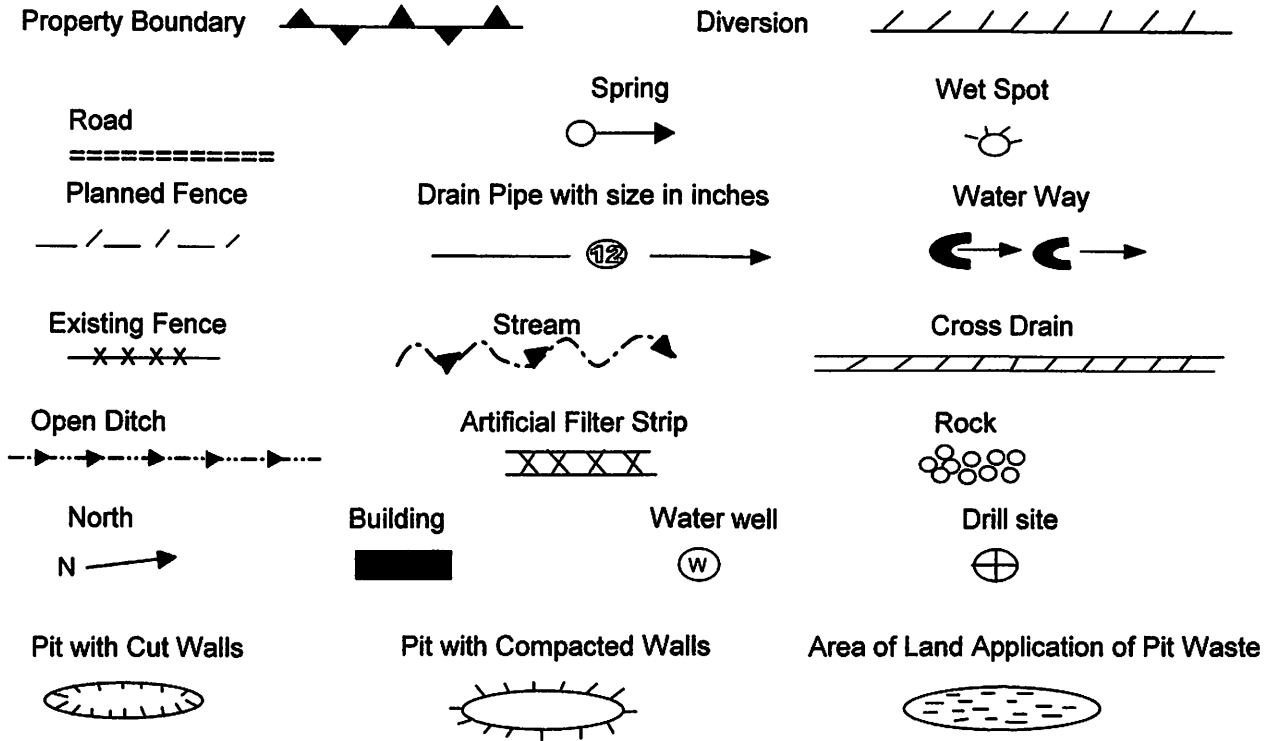


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10/23/2015

OPERATOR'S WELL NO.:
k River Coal & Lumber GW-1396

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: SEP 23 2015
 Field Reviewed? Yes No

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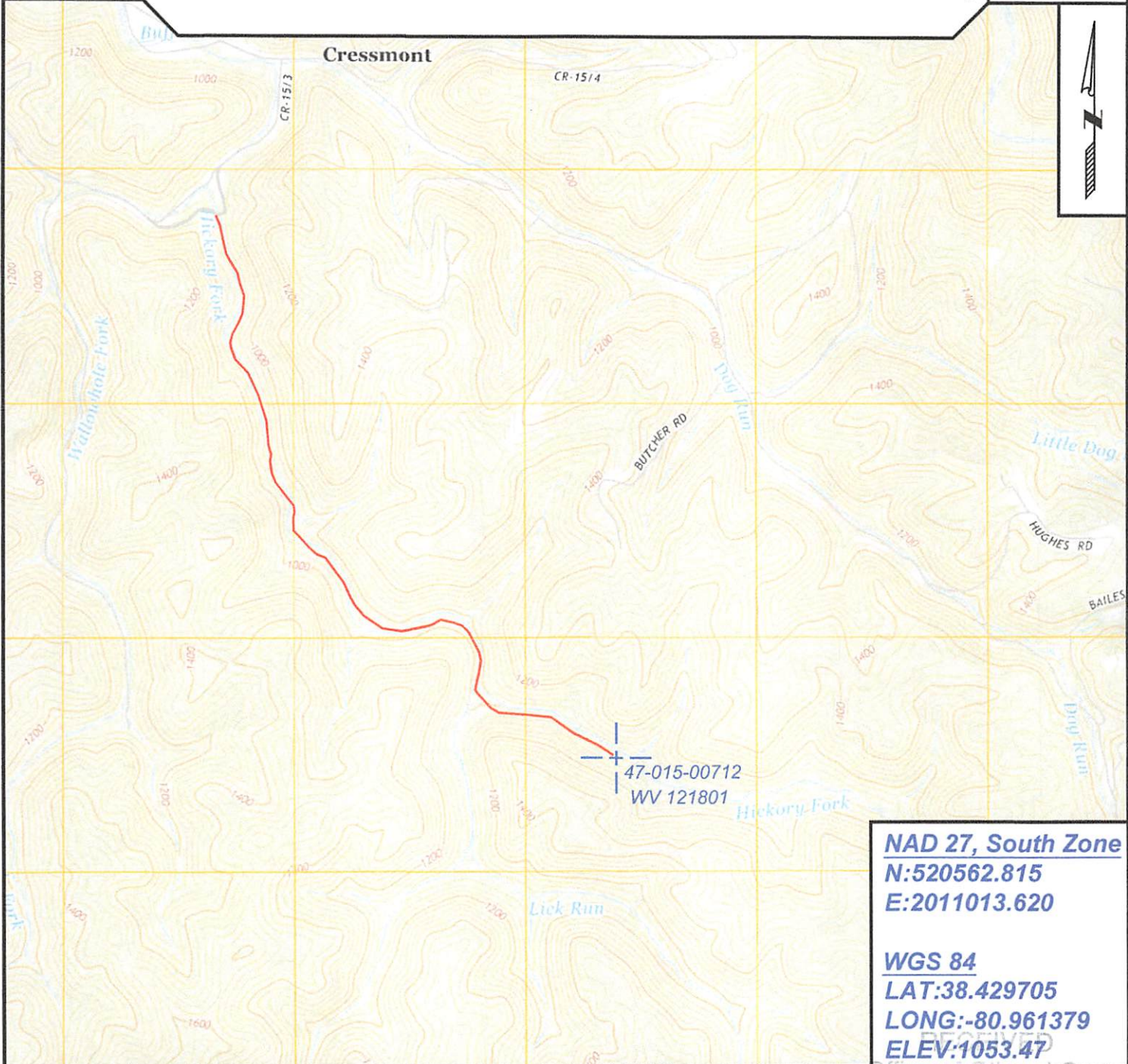
Topo Quad: Swandale 7.5' Scale: 1" = 2000'

County: Clay Date: August 28, 2015

District: Henry Project No: 53-04-00-07

47-015-00712 WV 121801 (Elk River Coal & Lumber GW-1396)

Topo



NAD 27, South Zone
N:520562.815
E:2011013.620

WGS 84
LAT:38.429705
LONG:-80.961379
ELEV:1053.47



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

Office of Oil and Gas
 West Virginia Department of
 Environmental Protection

10/23/2015

1500712 P

WW-7
8-30-06



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

API: 47-015-00712 WELL NO.: WV 121801 (Elk River Coal & Lumber GW-1396)

FARM NAME: Elk River Coal

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Clay DISTRICT: Henry

QUADRANGLE: Swandale 7.5'

SURFACE OWNER: Allegheny Rural NMTC, LLC

ROYALTY OWNER: Allegheny Rural NMTC, LLC

UTM GPS NORTHING: 4253494

UTM GPS EASTING: 503371 GPS ELEVATION: 321 m (1053 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 South, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS : Post Processed Differential
Real-Time Differential
- 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.

Stacy Brown
Signature

PS# 2180
Title

9/11/15 RECEIVED
Office of Oil and Gas
Date

SEP 23 2015

WV Department of Environmental Protection
10/23/2015



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EOT PRODUCTION COMPANY
LEASE NAME AND WELL No. Elk River Coal & Lumber GW-1396 - WV 121801 - API No. 47-015-00712.

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 121801.

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

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Office of Oil and Gas

RANSON OFFICE

401 South Fairfax Blvd, Suite 3
Ranson, WV 25285
phone: 304-724-5008
fax: 304-724-5010

SEP 23 2015
WV Department of
Environmental Protection

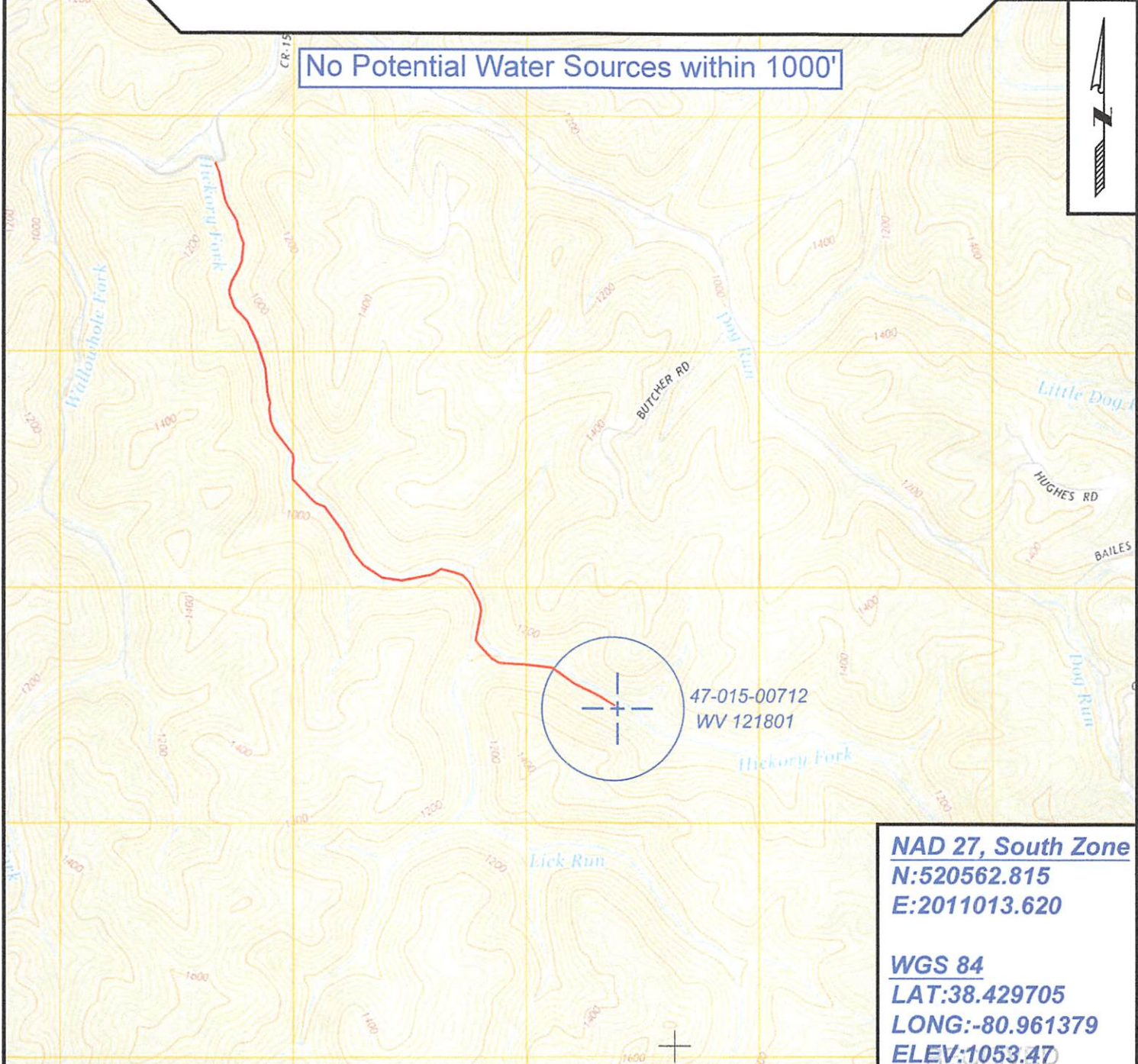
1500712P

Topo Quad: Swandale 7.5' Scale: 1" = 2000'
 County: Clay Date: August 28, 2015
 District: Henry Project No: 53-04-00-07

Water

47-015-00712 WV 121801 (Elk River Coal & Lumber GW-1396)

No Potential Water Sources within 1000'



47-015-00712
WV 121801

NAD 27, South Zone
N:520562.815
E:2011013.620

WGS 84
LAT:38.429705
LONG:-80.961379
ELEV:1053.47



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: Office of Oil and Gas
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
 WV Department of Environment
 10/23/2015



**Miss Utility of West Virginia (WV811)
(Exhibit A)
Directions to Gas Well No. WV 121801
API No. 47-015-00712**

- Beginning at the intersection of WV State Route 16 and WV County Route 11 near the town of Clay, Clay County, WV. *(Point No. 1)*
- Proceed Northeast on WV County Route 11, for approximately 4.1 miles, to WV County Route 15, on the right. *(Point No. 2)*
- Turn right onto WV County Route 15 and proceed Southeast, for approximately 3.9 miles, to WV County Route 15/3 on the right. *(Point No. 3)*
- Turn right onto WV County Route 15/3 and proceed Southwest, for approximately 0.5 mile, to the Well Access Road on the left. *(Point No. 4)*
- Turn left onto the Well Access Road and continue Southeast, approximately 2.10 miles, arriving at Gas Well WV 121801. *(Point No. 5)*

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

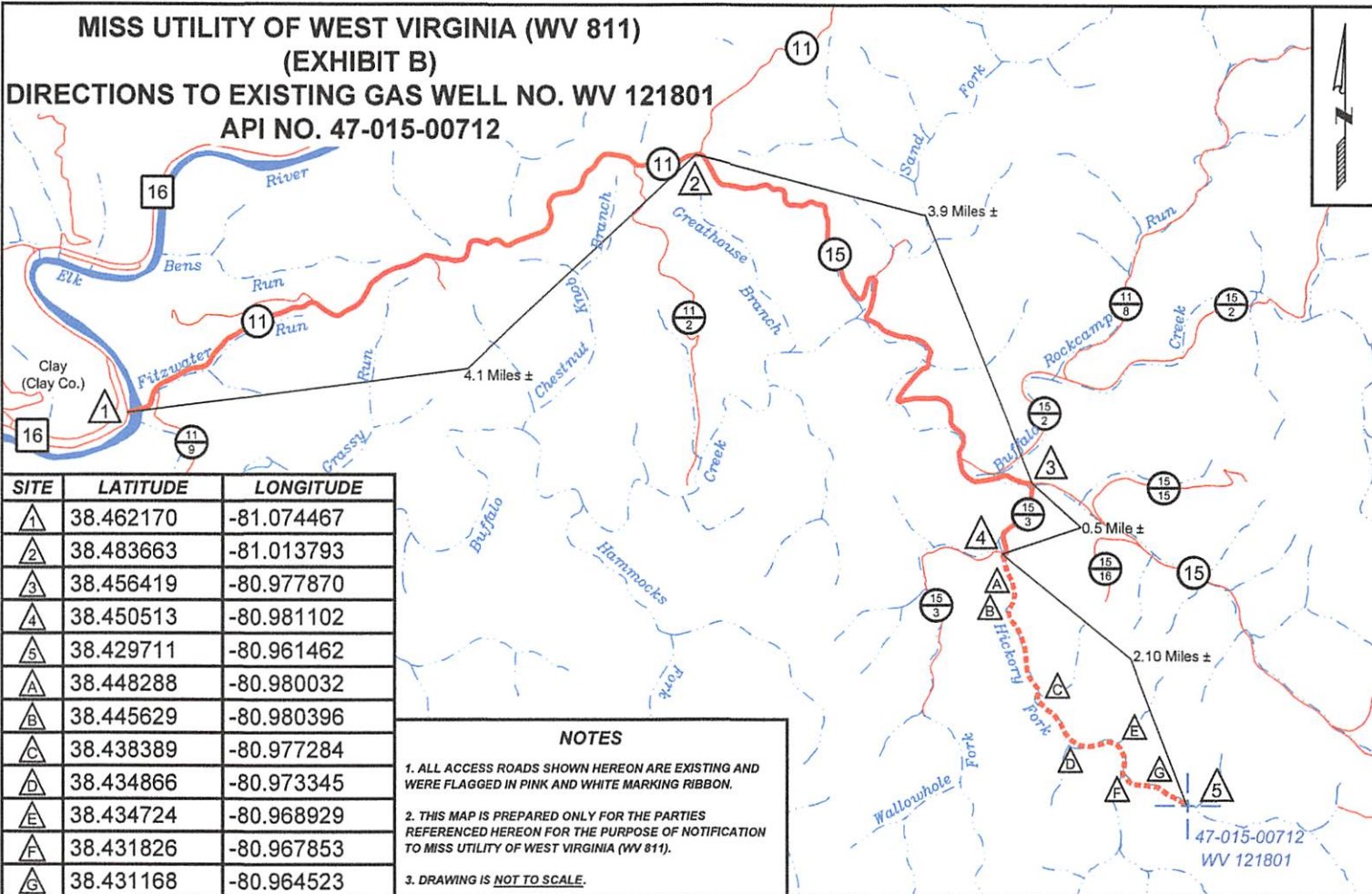
ALUM CREEK OFFICE

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

RECEIVED

Office of Oil and Gas
RANSON OFFICE
401 South Fairfax Blvd, Suite 3
Ranson, WV 25438
phone: 304-724-2008
fax: 304-724-5010


**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)
DIRECTIONS TO EXISTING GAS WELL NO. WV 121801
API NO. 47-015-00712**



SITE	LATITUDE	LONGITUDE
1	38.462170	-81.074467
2	38.483663	-81.013793
3	38.456419	-80.977870
4	38.450513	-80.981102
S	38.429711	-80.961462
A	38.448288	-80.980032
B	38.445629	-80.980396
C	38.438389	-80.977284
D	38.434866	-80.973345
E	38.434724	-80.968929
F	38.431826	-80.967853
G	38.431168	-80.964523

NOTES

1. ALL ACCESS ROADS SHOWN HEREON ARE EXISTING AND WERE FLAGGED IN PINK AND WHITE MARKING RIBBON.
2. THIS MAP IS PREPARED ONLY FOR THE PARTIES REFERENCED HEREON FOR THE PURPOSE OF NOTIFICATION TO MISS UTILITY OF WEST VIRGINIA (WV 811).
3. DRAWING IS NOT TO SCALE.

	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	County: Clay District: Henry Date: August 28, 2015 Project No: 53-04-00-07 File Name: 53-07 WV 121801	PREPARED FOR: EQT Production Company P.O. Box 280 Bridgeport, WV 26330
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RECEIVED
Office of Oil and Gas
SEP 23 2015
WV Department of Environmental Protection
10/23/2015

Operator: EQT PRODUCTION COMPANY
API: 1500712
WELL No: C&LA 1-1396
Reviewed by: [Signature] Date: 10/08/2015
15 Day End of Comment: 09/28/15

** Agreed Order*

CHECKLIST FOR FILING A PERMIT

Plugging

CK # 19879

- WW-4B
- Inspector signature on WW-4B *OK* NO ? METHOD RE DO WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee /Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (~~\$0.00 if no pit~~)

10/23/2015