



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Monday, April 24, 2017
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY (A)
120 PROFESSIONAL PLACE
BUILDING II
BRIDGEPORT, WV 26330

Re: Permit approval for
47-005-01173-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: FEDERAL COAL
U.S. WELL NUMBER: 47-005-01173-00-00
Vertical / Plugging
Date Issued: 4/24/2017

Promoting a healthy environment.

04/28/2017

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: December 30, 2016
Operator's Well
Well No. 460071 (Federal Coal 7623)
API Well No.: 47 005 - 01173

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

CK 2214
100⁰⁰

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil Gas Liquid Injection Waste Disposal:
If Gas, Production Or Underground storage Deep Shallow

5) Elevation: 960 ft. Watershed: Mill Branch
Location: Sherman County: Boone Quadrangle: Sylvester 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 Gary Kennedy 9) Plugging Contractor:
Name: 252 Circle Ave. Name: HydroCarbon Well Service
Address: Rainelle, WV 25962 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 *Gary Kennedy* Date 1/12/17

PLUGGING PROGNOSIS

Federal Coal Company #7623 (460071)

Boone County, W.V.

API # 47-005-01045

BY: Beau Fry

DATE: 12/19/2016

CURRENT STATUS:

13" @ 32'

10" @ 148'

7" ~~8 1/4"~~ @ Pulled

6 1/4" @ 2071'

6 1/4" Packer @ 2071'

Fresh Water @ None reported

Gas shows/ 600'-705' show, 2018'-2250' Big Lime, 2250'-2258' Injun

Oil Shows @ None Reported

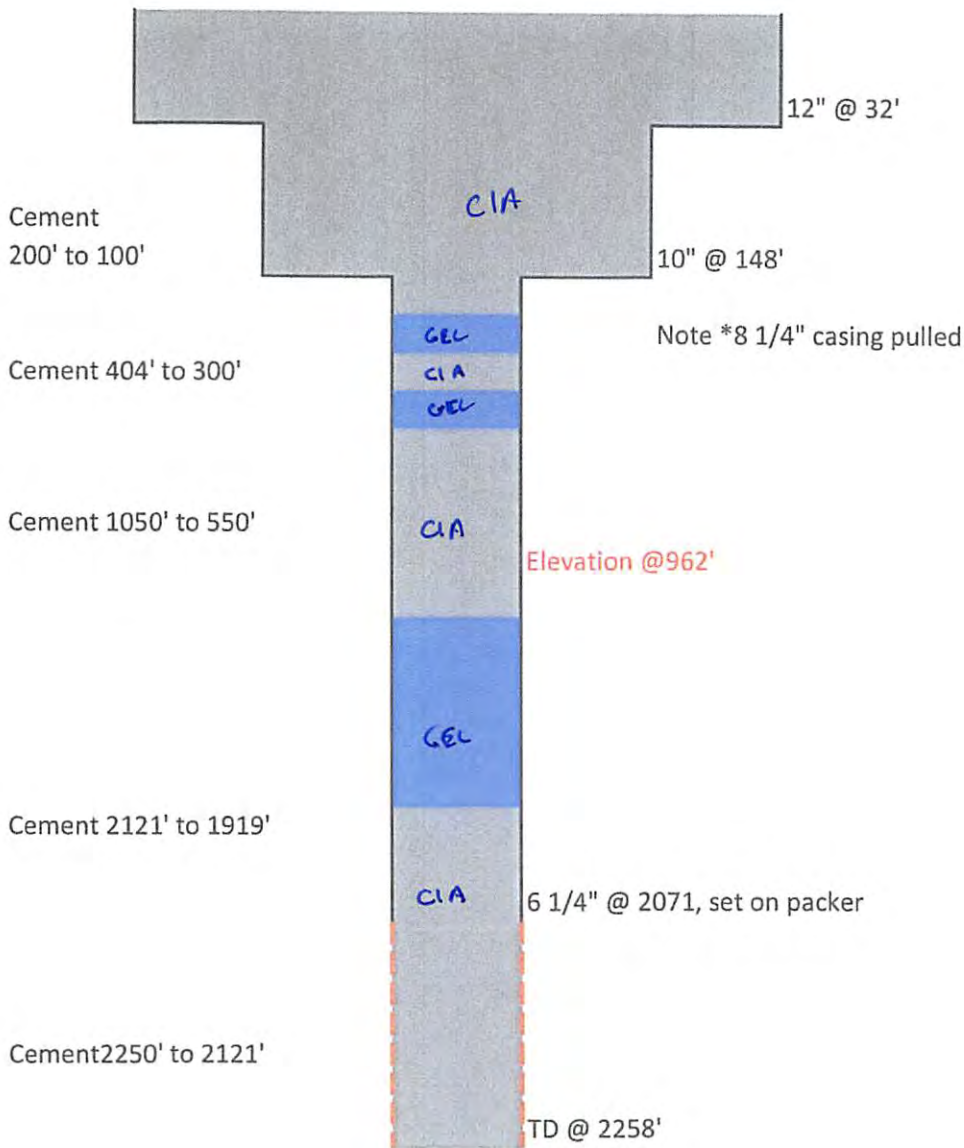
Salt Sand top 730'

Coal: None 32'-36', 350'-354'

Stimulation;

Check Rock Pressure

1. Notify inspector, Gary Kennedy @ 304-382-8402 24 hrs prior to commencing operations.
2. TOOH w/ 2" tubing check SN configuration and tally pipe back into hole, TIH w/ tubing @ 2250'.
3. TOOH w/ tubing to 2250'; Set 129' C1A Cement Plug @ 2250' to 2121' (Weir Perfs).
4. TOOH w/ tubing, Free Point 6 5/8" csg, cut 6 5/8" csg @ Free Point, TOOH w/ 6 5/8" csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 4.5" cut. Do not omit any plugs shown below.
5. TIH w/ wire line, perforate @ 2018', TOOH w/ wire line.
6. TIH w/ tubing to 2121'; Set 203' C1A Cement Plug @ 2121' to 1919' (6 5/8" csg pt, Big Lime show).
7. TOOH w/ tubing, Gel Hole @ 1919' to 730'.
8. TOOH w/ tubing to 730'; Set 230' C1A Cement Plug @ 730' to 500' (Salt Sand, gas show).
9. TOOH w/ tubing, Gel Hole @ 500' to 404'.
10. TOOH w/ tubing to 404'; Set 104' C1A Cement Plug @ 404' to 300' (Coal show).
11. TOOH w/ tubing, Gel Hole @ 300' to 200'.
12. TOOH w/ tubing to 200'; Set 100' C1A Cement Plug @ 200' to 100' (10" csg pt).
13. TOOH w/ tubing, Free Point 10" csg, cut 10" csg @ Free Point, TOOH w/ 10" csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 4.5" cut. Do not omit any plugs shown below.
14. TIH w/ tubing @ 200', Set 200' C1A cement plug @ 200' to Surface'. (12" csg pt, Coal shows .)
15. Top off as needed
16. Set monument to WV DEP specs
17. Reclaim Location to WV DEP Specifications.



460071
 Federal Coal #7623
 API# 47-003-01045
 Boone Co, WV

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 Office of Oil and Gas

JAN 11 2017

WV Department of
 Environmental Protection

04/28/2017

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Well No. 7623 **REPAIR RECORD** Madison District
 Farm Name Federal Coal Co. N. S. 98 E. W. 58
 Date First Work Done 3-14-57 Nature of Work moving in tools
 Commenced: 3-15-57 **Rowe-1173** Completed: 4-18-57
 Cleaning Out _____ Drilling Deeper _____
 Abandoning _____

Size	Before Repairs		Pulled		Put in Wall		After Repairs		Weight
	Tally	Steel Line	Tally	Steel Line	Tally	Steel Line	Tally	Steel Line	
13-3/8"	32'	32'	None		None		32'	32'	
10-3/4"	149'	148'	None		None		149'	148'	
7"	2091'	2071'6"	None		None		2091'	2071'6"	
5-1/2"	None		None		2147'	2126'6"	2147'	2126'6"	138'

Date	Quarts	Top of Shot	Bottom of Shot	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	By Whom Shot	
						Reading	Liquid	Opening	Reading	Liquid	Opening			
														Not shot.

RECORD OF ANY DEEPER DRILLING					PACKER RECORD		
Formation	Top	Bottom	Oil at	Gas at	Size	Kind	Set At (Steel Line)
Commenced drilling at depth of					7" x 5-1/2"	H.W. Parmaco	2126'6"
					PACKER PULLED		
					Size	None	Kind
					OIL PRODUCTION		
					Estimated	bbbl. per day	Sample
					CLARESBURG OFFICE ENTRIES		
					Repair Card		
					Well Card		
					Memo Book		
					Wall Map	M. 4-26-57	
					Map Sheets	H. 4-26-57	
Total Depth			2330'				

VOLUME AND PRESSURE REPORT
 BEFORE CLEANING OUT (Take Test When Ready to Clean Out)

Date of Test	Flow Meter or Open Flow	PITOT TUBE			CUBIC FEET	Sands Gas From	Time Blows
		Reading	Liquid Used	Opening			
1-24-57	FM	50 to 7 1/10	Water	1"	59.2-M	Big Lime	

AFTER CLEANING OUT							
Date of Test	Flow Meter or Open Flow	PITOT TUBE			CUBIC FEET	Sands Gas From	Time Blows
		Reading	Liquid Used	Opening			
4-18-57	FM	30/10	Mercury	1"	152-M	Big Lime	

AFTER DRILLING DEEPER							
Date of Test	Flow Meter or Open Flow	PITOT TUBE			CUBIC FEET	Sands Gas From	Time Blows
		Reading	Liquid Used	Opening			
							Not drilled deeper.

PRESSURE TEST																
Date of Test	Opening	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	6 Min.	7 Min.	8 Min.	9 Min.	10 Min.	15 Min.	20 Min.	30 Min.	40 Min.	Hrs. R
4-18-57	5 1/2" casing	3	6	9	11	13	15	17	19	21	23	42	56	96		
	" Tubing															

Remarks: 6 bag Aquagel ran on top of 7" x 5-1/2" Parmaco H.W. Packer between 5-1/2" & 7" csg.

ORIGINAL - For Land Dept. Only (API# 605-1173) WV Department of Environmental Protection 04/28/2017

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JAN 1 2017

GODFREY L. CABOT, 964 2645

RECORD

NOV 1923

Well No. 727
 Located on Sh... "10" District
 District District County West Va State

Rig Commenced
 Drilling Commenced July 16-23
 Rig Contractor
 Drillers
 Tool Dressers
 Rig Completed
 Drilling Completed Oct. 4-23
 Drilling Contractor Flint & Strathers
 Torpedo, L. D. DATE 19
 Number of Quarts

FORMATION	TOP	BOTTOM	Water Faced Depth	Gas or Oil Depth Found	OPEN FLOW	HOLE	REMARKS
Native Coal	32	36	✓				
Pittsburgh Coal	350	354	✓				
Little-Dunkard	354	384					
Big Dunkard	354	395	✓				
Gas Sand	395	399	✓				
East-Belt	399	486	✓				
Second Salt	486	600	✓				
Keener	600	705	✓	Gas at 700			
Little Lime	705	730	✓				
Pencil Cave	730	960	✓				
Big Lime	960	1120	✓				
Keener	1120	1430	✓				
Big Injun	1430	1595	✓				
Water	1595	1710	✓				
Base	1710	1870	✓				
Gast	1870	1885	✓				
Sixty Foot	1885	1895	✓				
Thirty Foot							
Gordon Stray	2018	2250	✓	Gas at 2170			
Gordon	2250	2258	✓	Gas at 2254-8			
Fourth							
Fifth							
Bayard							
TOTAL DEPTH	2258						

Room 1173

Well Book
 JAN 16 1935 J.C.L.
 M.D.S. JAN 16 1935

TUBING AND CASING RECORD

PACKER RECORD

Size	Charged to Well		Put in Well		Pulled Out		Left in Well		Left of Well Not in Use		Size	KIND	Depth Set	
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.			Feet	In.
12			32				32				6 7/8	Anchor	2247	
10			365		217		148							
8			1804		1264									
6			2071		63		2071	6			1-2 R.T.D. Coupling	above		
2			2258				2258					of packer		

NOTE--If 10" casing cemented, so state, and at what depth

If more than two strings of casing are left in hole give reasons for leaving additional strings

Write S L. after each measurement made with a steel line.
 If open flow treated with water write "W" before the figures if mercury write Hg.
 Steel line measurements should be made of Top and Bottom of Pittsburgh Coal and all the principal sands.
 Under Remarks note if any of principal sands are not found and if any peculiarities in sands, as looser or harder than ordinary, etc.
 If any coal other than native or Pittsburgh be found, give steel line measurements of Top and Bottom and nature of coal.
 Note if water found is fresh or salt.

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 Approved by
 JAN 11 2017

Foreman
 WV Department of
 Environmental Protection
 04/28/2017

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HOOD NATURAL GAS COMPANY

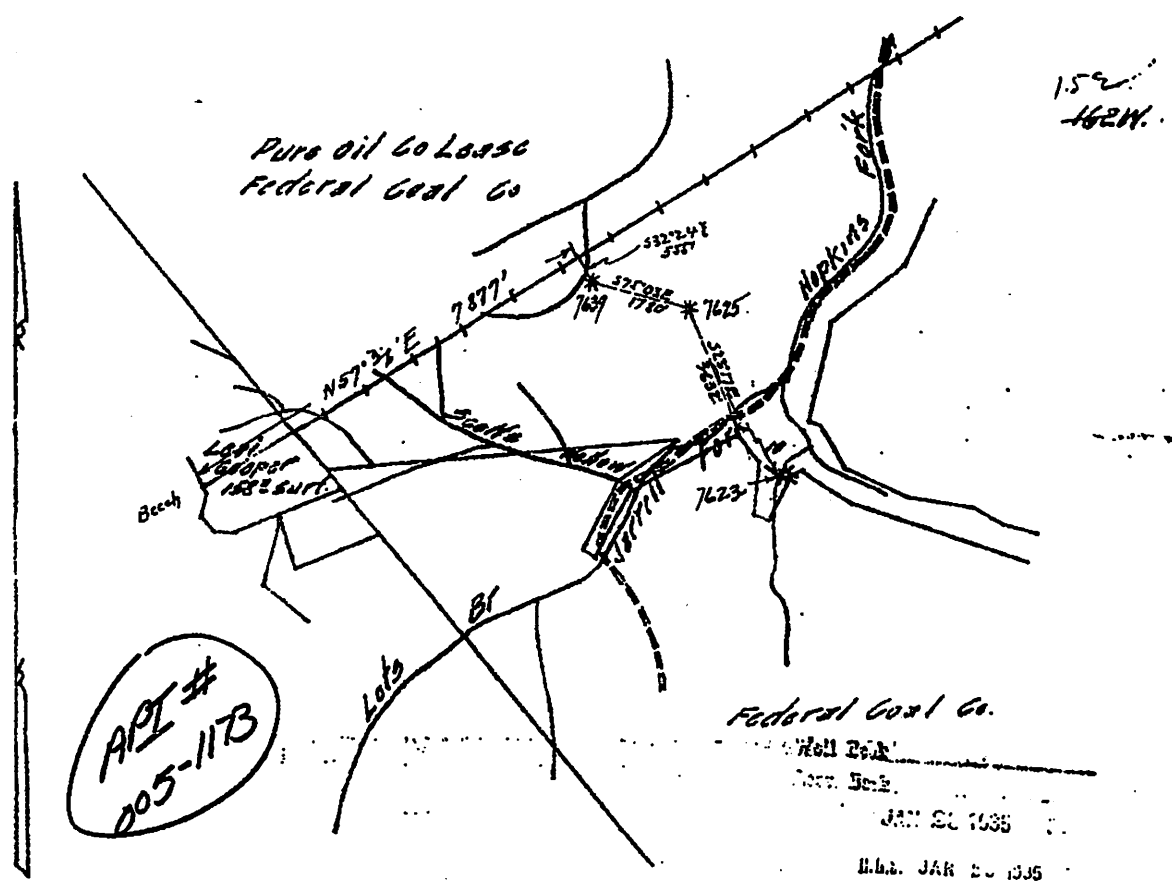
LOCATION FOR WELL No. **7623**

c 7
Instructions

On Leasing Farm on waters of Hopkins Fork
District, Boone County, West Virginia

Lease No. 46408 Acres 182.48 N. 98 E. 58 W. 58
Scale one inch equals 160 feet Location made in Pittsburgh Oct. 11-34 Sent to Clarksburg Oct. 11-34

Location to be: See plat



Bk- 590 P-2 Elev. 962.87 ft

Note Book #590 P. 2

TITLE RESERVE

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE

Same Lease on which Located Well. No.

Location made Jan. 2, 1935 by H. F. Swisher As per plat, except On field map

Jan. 21, 1935 Returned to Pittsburgh Jan. 22, 1935 Office of Oil and Gas

Location changed on account of
Authorized by _____ Date _____ Signed JAN 1 1937
By H. Brodley
By OCF

WV Department of Environmental Protection
04/28/2017

501173P

WW-4-A
Revised 6/07

1) Date: December 30, 2016
2) Operator's Well Number
460071 (Federal Coal 7623)
3) API Well No.: 47 005 - 01173
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 Craig Kaderavek
Address Heartwood Forestland Group LLC
19045 Stone Mountain Road
Abingdon, VA 24210
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gary Kennedy
Address 252 Circle Ave.
Rainelle, WV 25962
Telephone (304) 382-8402

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration ✓
Name Honey Island Coal Co. LLC
201 2nd St. Suite 1200
Address Macon, GA 31201
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

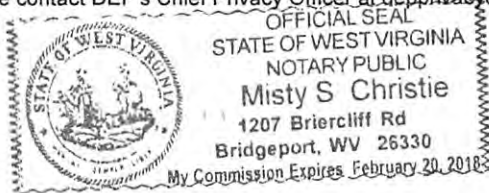
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JAN 11 2017

WV Department of
Environmental Protection

Subscribed and sworn before me this 4th day of January, 2017
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.



04/28/2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Mill Branch Quadrangle: Sylvester 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes___ No X

Will a pit be used? Yes X No___

If so, please describe anticipated pit waste: _____ **Formation Fluids**

Will a synthetic liner be used in the pit? Yes X No___ Is so, what ml.? 10 ml 20 ml.

- Proposed Disposal Method for Treated Pit Wastes:
- _____ Land Application (if selected provide a completed form WW-9-GPP)
 - _____ Underground Injection (UIC Permit Number _____)
 - X _____ Reuse (at API Number -- Various _____)
 - X _____ Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)
 - _____ Other: (Explain _____)

Will closed loop system be used ? If so, describe: _____

Drilling medium anticipated for this well? (vertical and horizontal)? Air, freshwater, oil based, etc. _____

If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

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? _____

Permittee shall provide written notice to the Office of the Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 term 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

Company Official Signature *Victoria J. Roark*

Company Official (Typed Name) Victoria J. Roark

Company Official Title Permitting Supervisor - WV

Subscribed and sworn before me this 4th day of January 2016

Misty S. Christie Notary Public

My Commission Expires 2/20/18

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Office of Oil and Gas

JAN 11 2017

WV Department of Environmental Protection



NOTARY PUBLIC
Misty S. Christie

1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

04/28/2017

501173P

EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

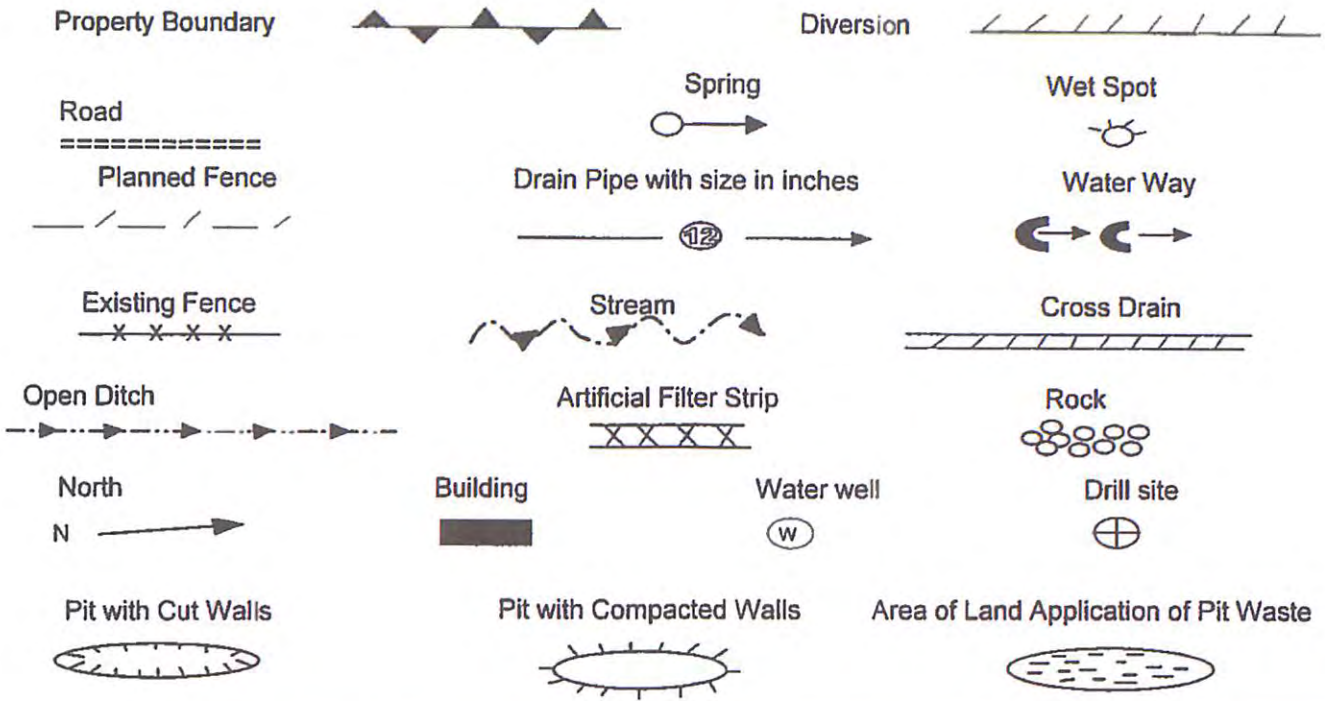
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WV Department of
Environmental Protection
04/28/2017

OPERATOR'S WELL NO.:
460071 (Federal Coal 7623)

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: *Ally K...*

Comments: _____

Title: *Inspector* Date: *1/12/17*
 Field Reviewed? Yes No

501173P

Topo Quad: Sylvester 7.5'

Scale: 1" = 200'

County: Boone

Date: September 13, 2016

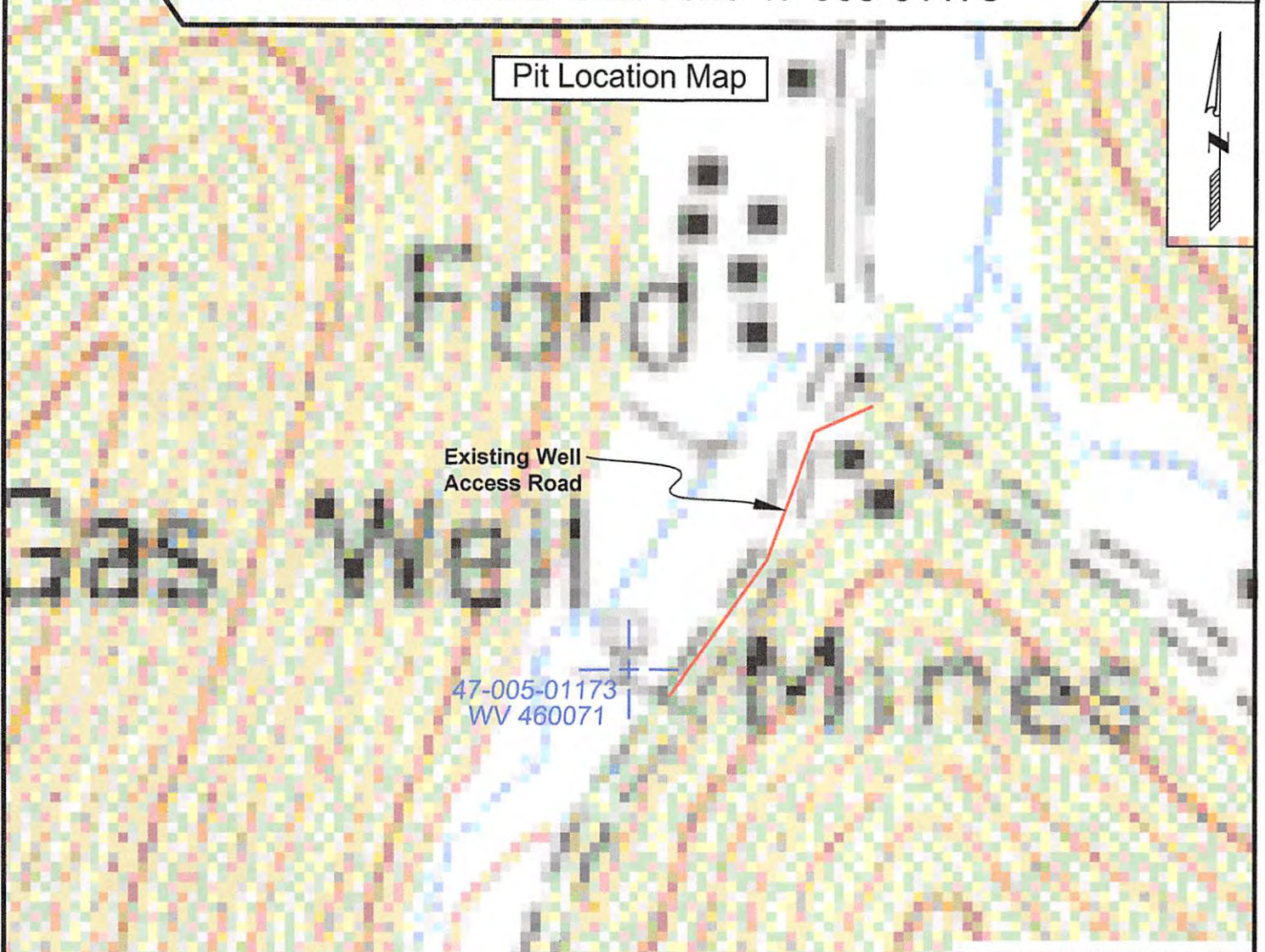
District: Sherman

Project No: 140-16-00-07

WV 460071 Federal Coal 7623 47-005-01173

Topo

Pit Location Map



LEGEND

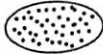
PIT-CUT WALLS



PIT-COMPACTED WALLS



AREA OF LAND APPLICATION OF PIT WASTE



NAD 27 South Zone
N: 369581.93
E: 1821021.01
WGS 84
LAT: 38.013444
LON: -81.621084

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Office of Oil and Gas



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

1710 Pennsylvania Ave.
Charleston, WV 25302
Department of
Environmental Protection

04/28/2017

50173P

Topo Quad: Sylvester 7.5'

Scale: 1" = 500'

County: Boone

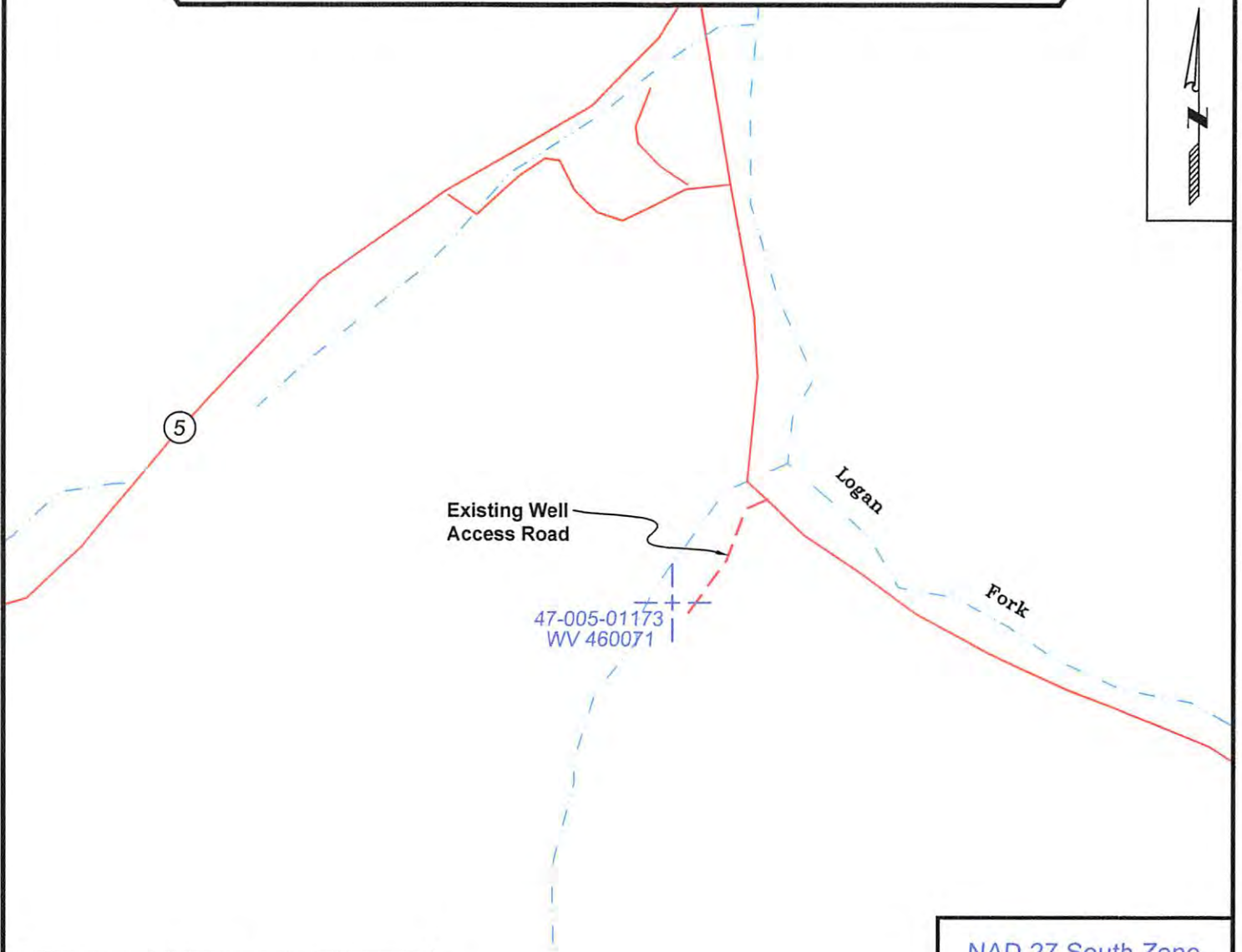
Date: September 13, 2016

District: Sherman

Project No: 140-16-00-07

Water

WV 460071 Federal Coal 7623 47-005-01173



LEGEND

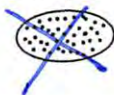
PIT-CUT WALLS



PIT-COMPACTED WALLS



AREA OF LAND APPLICATION OF PIT WASTE



NO LAND APPLICATION

NAD 27 South Zone
 N: 369581.93
 E: 1821021.01
 WGS 84
 LAT: 38.013444
 LON: -81.621084
 Elev: 959.56



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:

Office of Oil and Gas
EQT Production Company

1710 Pennsylvania Ave.
 Charleston, WV 25302

WV Department of Environmental Protection
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 04/28/2017

501173A

Topo Quad: Sylvester 7.5'

Scale: 1" = 2000'

County: Boone

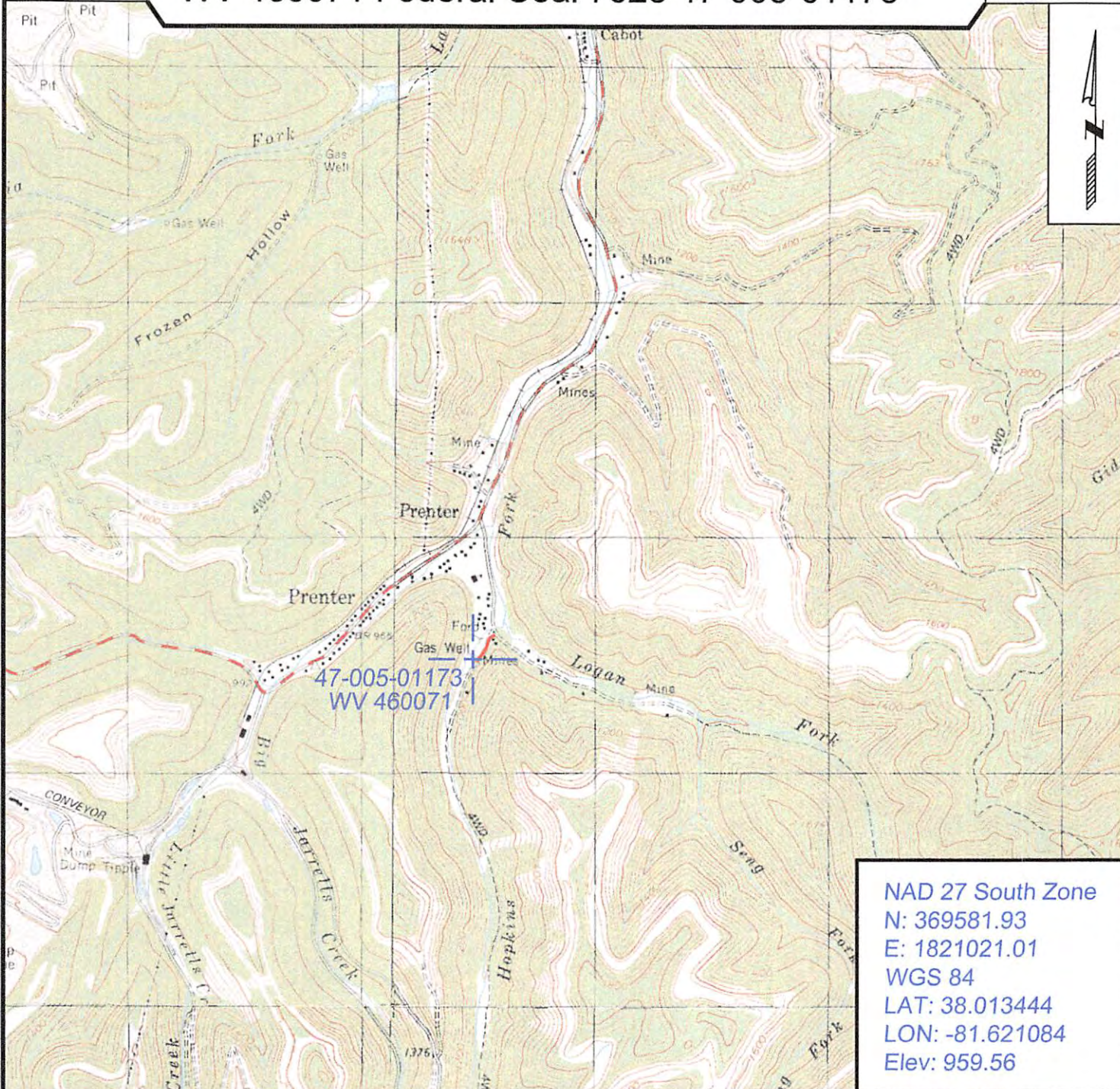
Date: September 13, 2016

District: Sherman

Project No: 140-16-00-07

WV 460071 Federal Coal 7623 47-005-01173

Topo



NAD 27 South Zone
 N: 369581.93
 E: 1821021.01
 WGS 84
 LAT: 38.013444
 LON: -81.621084
 Elev: 959.56



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

1710 Pennsylvania Ave.
 Charleston, WV 25302

04/28/2017



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY INC.

LEASE NAME AND WELL No. Federal Coal 7623, WV 460071 (47-005-01173)

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the existing well site. The following landowners will be notified of the opportunity to request a water sample.

*Please note that the following information is subject to change upon field inspection.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: <u>876' +/-</u> Renter: <u>Aleshya Hager</u> Address: <u>398 Schoolhouse Rd, Seth, WV 25181</u> Comments:	Phone No.
Site: 2 Spacing: <u>960' +/-</u> Renter: <u>Kelly Stephens</u> Address: <u>416 Schoolhouse Rd., Seth, WV 25181</u> Comments:	Phone No.
Site: 3 Spacing: <u>751' +/-</u> Renter: <u>Timothy Aleshire</u> Address: <u>460 Schoolhouse Rd., Seth, WV 25181</u> Comments:	Phone No.
Site: 4 Spacing: <u>572' +/-</u> Renter: <u>Danny Haynes</u> Address: <u>Box 514 Schoolhouse Rd., Seth, WV 25181</u> Comments:	Phone No.
Site: 5 Spacing: <u>574' +/-</u> Renter: <u>Billy Wilson</u> Address: <u>P.O. Box 259, Seth, WV 25181</u> Comments:	Phone No.
Site: 6 Spacing: <u>459' +/-</u> Renter: <u>Kiley Doss</u> Address: <u>574 Schoolhouse Rd., Seth, WV 25181</u> Comments:	Phone No.

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

JAN 11 2017
MARTINSBURG OFFICE
25 Lights Addition Drive
Martinsburg, WV 25104
phone: 304-901-2162
fax: 304-901-2162
**WV Department of
Environmental Protection**

501173P

Topo Quad: Sylvester 7.5'

Scale: 1" = 2000'

County: Boone

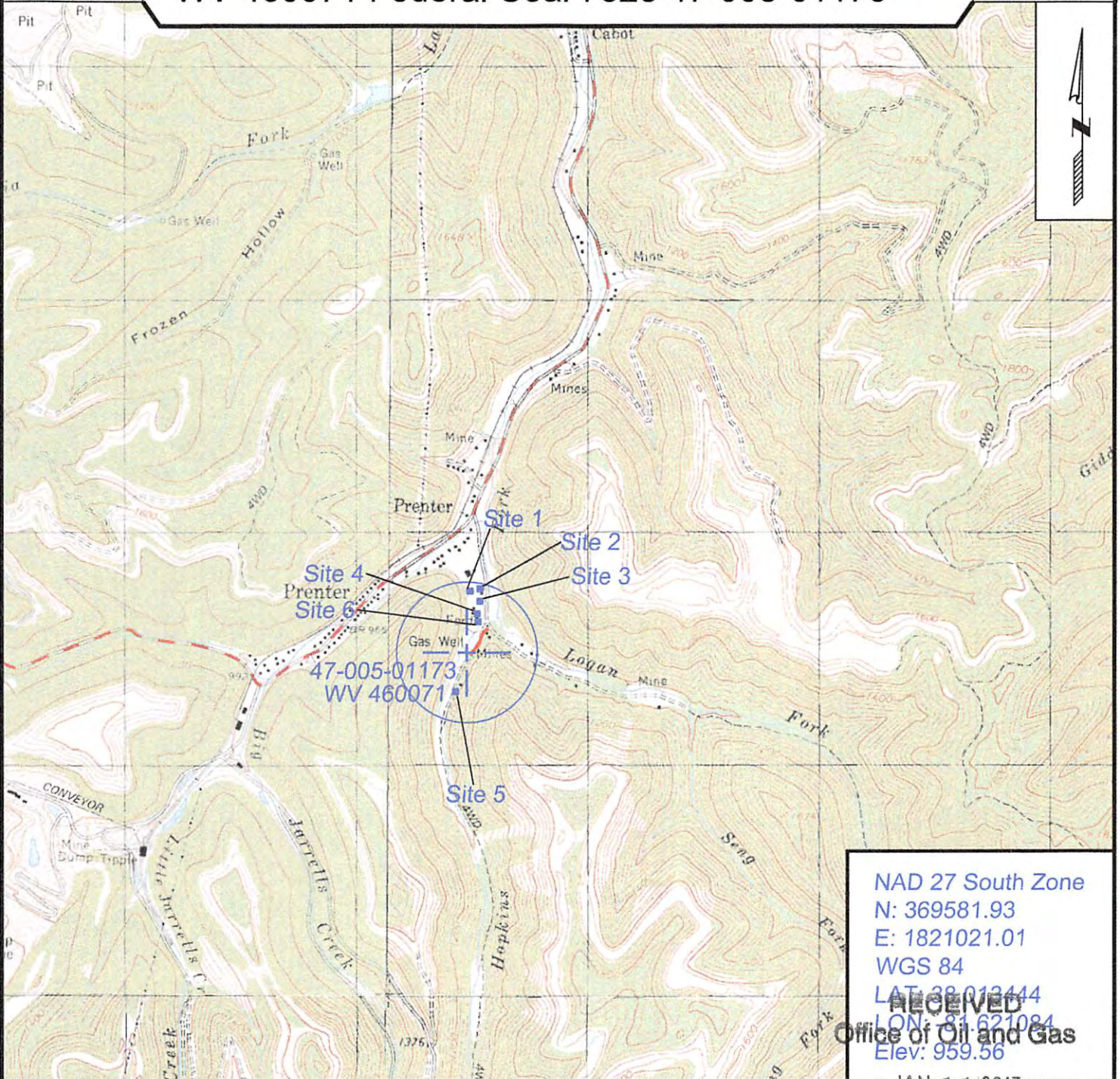
Date: September 13, 2016

District: Sherman

Project No: 140-16-00-07

Water

WV 460071 Federal Coal 7623 47-005-01173



NAD 27 South Zone
 N: 369581.93
 E: 1821021.01
 WGS 84
 LAT: 38.012444
 LON: 81.621084
 Elev: 959.56

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JAN 11 2017



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

170 Pennsylvania Ave
 Environmental Protection
 Charleston, WV 25302

04/28/2017

WW-7
8-30-06



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

API: 47-005-01173 WELL NO.: WV 460071 (Federal Coal 7623)

FARM NAME: Federal Coal

RESPONSIBLE PARTY NAME: EOT Production Company

COUNTY: Boone DISTRICT: Sherman

QUADRANGLE: Sylvester 7.5'

SURFACE OWNER: Heartwood Forestland Fund VIII Limited Partnership

ROYALTY OWNER: Honey Island Coal Co., LLC

UTM GPS NORTHING: 4207489

UTM GPS EASTING: 445480 GPS ELEVATION: 292 m (960 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 : Post Processed Differential
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.

RECEIVED
Office of Oil and Gas

Ben R. Sykes
Signature
9/21/16
Date

P.S. 2092
Title

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Environmental Protection

04/28/2017

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City, State, ZIP

Craig Kaderavek
Heartwood Forestland Group LLC
19045 Stone Mountain Road
Abingdon, VA 24210
Plugging Permit #460071

Postmark Here *mc*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

19045 Stone Mountain Road
Abingdon, VA 24210
Plugging Permit #460071

WV 26330
WV Department of Environmental Protection

PS Form 3811, July 2015 PSN 7530-02-000-9053

7016 2070 0001 0947 7553

2. Article Number (Transfer from service label)
9590 9402 2404 6249 6676 64

3. Service Type
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Certified Mail®
 Adult Signature Restricted Delivery
 Certified Mail Restricted Delivery
 Return Receipt for Delivery
 Merchandise
 Signature Confirmation™
 Signature Confirmation Restricted Delivery
 Return Receipt Restricted Delivery

1. Article Addressed to:
Craig Kaderavek
Heartwood Forestland Group LLC
19045 Stone Mountain Road
Abingdon, VA 24210
Plugging Permit #460071

2. Attach this card to the back of the mailpiece, or on the front if space permits.
so that we can return the card to you.

Print your name and address on the reverse

A. Recipient (Printed Name)
B. Recipient (Printed Name)
C. Date of Delivery
D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

X
 Agent
 Addressee
 Date of Delivery

mitting Department
 Junction
 280
 rt, WV 26330

<input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.	
1. Article Addressed to: Honey Island Coal Co. LLC 201 2nd St. Suite 1200 Macon, GA 31201 Plugging Permit #460071	
2. Article Number (Transfer from service label) 9590 9402 2404 6249 6676 57	
3. Service Type <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Adult Signature <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Restricted Delivery	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:	
B. Received by (Printed Name) C. Date of Delivery	Domestic Return Receipt PS Form 3811, July 2015 PSN 7530-02-000-9053

04/28/2017



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<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

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Total \$ _____

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 City, State, ZIP+4® _____

Honey Island Coal Co. LLC
 201 2nd St. Suite 1200
 Macon, GA 31201

Plugging Permit #460071

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

MC

Postmark Here

MACON, GA 31201

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