



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, June 13, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 6092
47-017-00096-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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

A handwritten signature in blue ink, appearing to read "James A. Martin", is positioned to the right of the printed name and title.

Operator's Well Number: 6092
Farm Name: CARR, J. L.
U.S. WELL NUMBER: 47-017-00096-00-00
Vertical Plugging
Date Issued: 6/13/2018

Promoting a healthy environment.

I

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.

WW-4B
Rev. 2/01

1) Date May 21, 2018
2) Operator's
Well No. 606092 J. L. Carr #6092
3) API Well No. 47-017 - 0006

STATE OF WEST VIRGINIA
DEPARTMENT 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 _____ or Underground storage _____ Deep _____ / Shallow X

Well No. 1151 Name Brush Run
District Grant County Doddridge Quadrangle Smithburg

6) Well Operator EQT Production Company 7) Designated Agent Jason Ranson
Address 2400 Ansys Drive- Suite 200 Address 120 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Daniel Flack Name HydroCarbon Well Service
Address 58 Rive Road Address PO Box 995
Buckhannon PA 26201 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.

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

6/4/18

PLUGGING PROGNOS

606092
 J.L. Carr # 6092
 API# 47-017-00096
 District, Grant
 Doddridge County, WV

BY: R Green
 DATE: 01/09/18

CURRENT STATUS:

TD @ 2857'
Elevation @ 1140'

10" casing @ 311'
 8 1/4" casing @ 1131'
 6 5/8" casing @ 2052'
 3" tubing @ 2857' (Set on 3" X 6 5/8" packer @ 2816')

Fresh Water @ 615'
 Saltwater @ 1148'
Oil Show @ None Reported
Gas shows @ 2130', 2143', 2191', 2201', and 2826'
 Coal @ 469' 715' & 1362''

1. Notify inspector Daniel Flack @ 304-545-0109, 24 hrs. prior to commencing operations.
2. TIH check TD and locate packer @ 2816', cut 3" tubing off at top of packer. TOOH 3" tubing.
3. TIH to top of packer, spot 35 bbl. of 6% gelled water followed by a 300' C1A cement plug 2816' to 2516'. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
4. TOOH to 2250' set a 250' C1A cement plug, 2250' to 2000' (Gas shows & 6 5/8" casing seat).
5. Free point 6 5/8" casing, cut casing @ free point. TOOH 6 5/8" casing.
6. Set a 100' C1A cement plug 50' in/out of casing cut. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
7. TOOH to 1400', set a 400' C1A cement plug 1400' to 1000', (Elevation, coal & 8 1/4" casing seat).
8. Free point 8 1/4" casing, cut casing @ free point. TOOH 8 1/4" casing.
9. Set a 100' C1A cement plug 50' in/out of casing cut. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. TOOH to 750' set a 500' C1A cement plug 750' to 250'. (10" casing seat & coal @ 469' 717').
11. Free point 10" casing, cut casing @ free point. TOOH 10" casing.
12. Set a 100' C1A cement plug 50' in casing cut to surface. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
13. ***Note if unable to cut and pull 10" casing. TIH and perforate 10" casing with 4 holes each @ 250' 200' 150' 100'. TIH and set a 250' C1A cement plug 250' to surface.**
14. Erect monument with API#, date plugged, & company name.
15. Reclaim location and road to WV-DEP specifications.

make every effort to pull all casing

John Green
 1/9/18

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

W E L L R E C O R D

Permit No. Dod-96

Gas Well

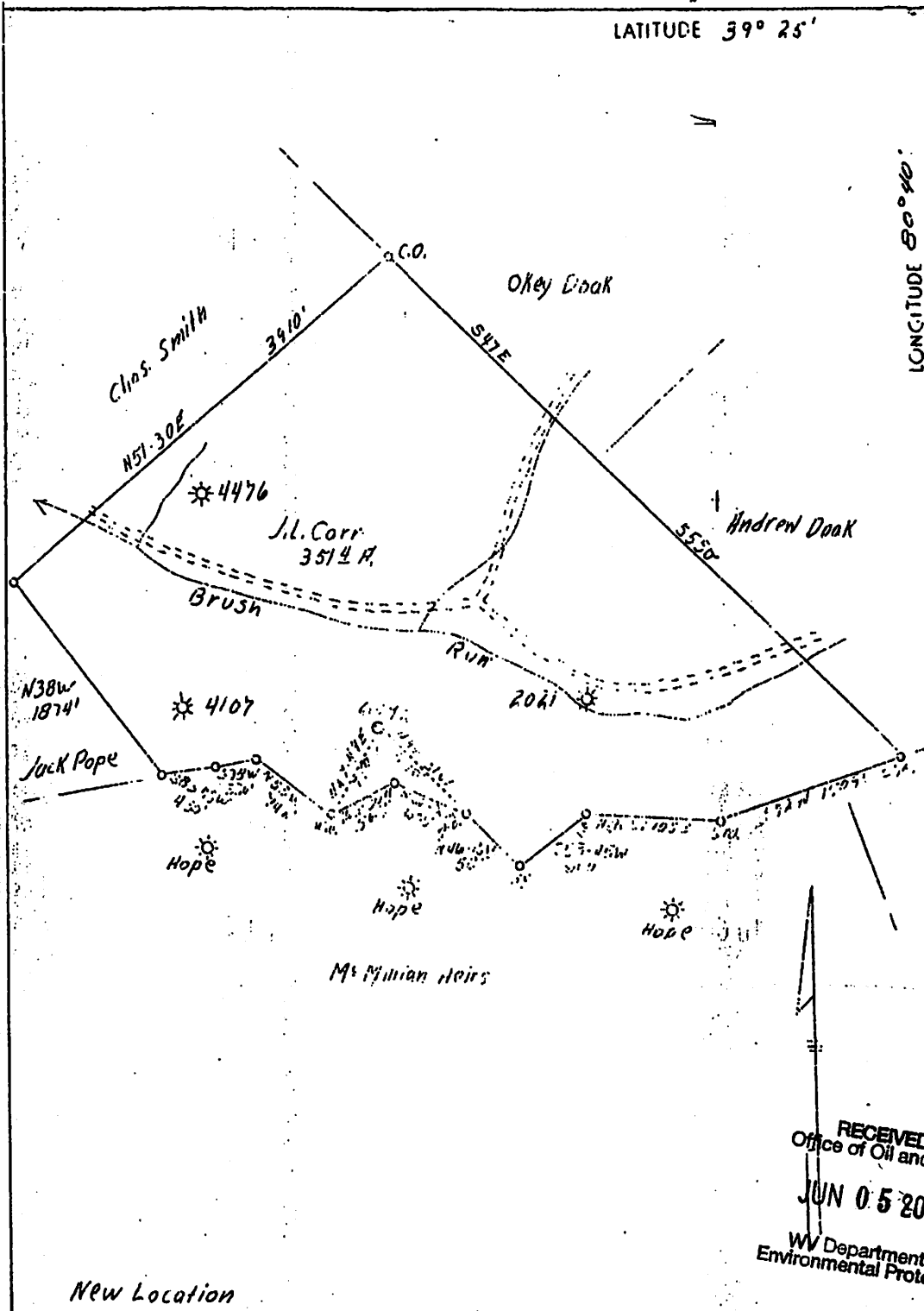
Centerpoint Quad.

CASING & TUBING

Company	Pittsburgh & W. Va. Gas Co.	13 Wood	15
Address	Clarksburg, W. Va.	10	311 311
Farm	Jos. L. Garr ACRES 351	8-1/4	1131 1131
Location	Centerpoint S/W 1-2	6-5/8	2052 2052
Well No.	6092 ELEV. 1143	3	2857 2857
District	Grant - Doddridge County		Packer - Anchor
Surface	A. B. Lowther, Spencer, W. Va.		Size - 6-5/8 x 3
Mineral	R. L. & Kenna McCully, Spencer, W. Va.		Depth set - 2816
Commenced	May 20, 1939		
Completed	July 10, 1939		COAL ENCOUNTERED:
Open Flow	60/10ths Water 1-1/2" opg. on tubing 1/2 60/10ths Water 1-1/4 " Gsg. head 7/8	Feet	Inches
Volume	259,000 c.f.	715	24
Rock Pressure	Tubg. 90 lbs. - Casing Head 62 lbs.	1362	12
Fresh Water	615'		
Salt Water	1148		

Formation	Color	HT	Top	Base	Result	Formation	Color	HT	Top	Base	Result
Clay	red	s	0	6		Coal	blk	s	1362	1363	
Lime	drk	h	6	32		Slate	blk	s	1363	1367	
Sand	wh	opn	32	85		Gas Sand	wh	h	1367	1410	
Lime	wh	h	85	105		Slate	s	s	1410	1456	
Red Rock	red	s	105	124		1st Salt S	wh	h	1456	1500	
Sand	yel	s	124	150		Slate	blk	s	1500	1525	
Slate	wh	s	150	169		2nd Salt S	wh	h	1525	1589	
Red Rock	red	s	169	190		Slate	blk	s	1580	1590	
Slate	wh	s	190	275		2nd Salt S	wh	h	1590	1669	
Slate&Shells	ls wh	h	275	309		Slate	blk	s	1669	1674	
Red Rock	red	s	309	337		Lime	blk	bkn	1674	1725	
Lime	gr	h	337	445		Sand	wh	h	1725	1770	
Slate	wh	s	445	451		Slate	drk	s	1770	1821	
Sand	wh	h	451	460		Lime	drk	bkn	1821	1832	
Slate	drk	s	460	465		Maxon S	wh	h	1832	1872	
Coal	blk	s	465	469		Lime	wh	h	1872	1908	
Lime	wh	h	469	503		Red Rock-Shells	s	s	1908	1970	
Red Rock	red	s	503	518		Little Lime	wh	h	1970	1993	
Lime	gr	h	518	600		Pencil Cave	drk	s	1993	2003	
Sand	wh	s	600	618	W 615 -	Blue Monday	wh	h	2003	2056	S.L.2052
Slate	wh	s	618	641	1/2 Blr hr	Big Lime	wh	h	2056	2094	
Sand	wh	s	641	652		Big Injun	wh	h	2094	2248	
Red Rock	red	s	652	662		Slate&Shells	"	s	2248	2337	
Slate	wh	s	662	715		Lime	wh	h	2337	2379	
Pgh. Coal	blk	s	715	717		Gantz Sand	gr	h	2379	2500	
Lime	wh	h	717	738	S.L. 720	Slate&Shells	wh	s	2500	2605	
Slate	wh	s	738	770		Lime	gr	h	2305	2685	
Sand	wh	h	770	810		Slate&Shell	drk	s	2685	2700	
Slate	wh	s	810	819		Lime	drk	h	2700	2735	
Lime	wh	h	819	863		Slate&Shell	wh	s	2735	2790	
Red Rock	red	s	863	879		Gordon Stray	wh	h	2790	2797	
Slate	wh	s	879	905		Slate	wh	s	2797	2816	
Lime	wh	h	905	937		Gordon Sand	wh	h	2810	2842	
Red Rock	red	s	937	963		Slate&Shells	wh	s	2842	2857	
Slate	wh	s	963	984		Total Depth				2857	
Slate-Lime	wh	hs	984	1014							
Sand	wh	h	1014	1030		Sh. Gas	2130-32				
Lime	wh	h	1030	1065		" "	2143-45				
Slate	wh	s	1065	1126		Gas	2191-94	15/10 W 2"			
Lime	wh	h	1126	1143		" "	2201-05	21/10 W 2"			
Gritty Lime	wh	h	1143	1155	W 114*	" "	2826-36				
					S.L.1152						
Red Rock	red	s	1155	1165							
L. Dunkard	gr	h	1165	1200							
Slate	blk	s	1200	1218							
Lime	blk	h	1218	1240							
Lime	wh	h	1240	1306							
B. Dunkard	wh	h	1306	1362							

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WV Department of Environmental Protection



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New Location

Company Pittsburgh & W. Va. Gas Co.
Address Clarksburg, W. Va.
Farm J. L. Carr
Acres 351.4
Lease No. 4916
Well (Farm) No. 4
Serial No. 6092
Elevation (SL) 1140 V.A.
Quadrangle Centerpoint S. W. 1/2
County Doddridge
District Grant
Engineer James D. Jeffries
Eng. Reg. No. -
Date March 23, 1939
Scale 1" = 1000

STATE OF WEST VIRGINIA
Department of Mines
OIL & GAS DIVISION
Charleston

WELL LOCATION MAP

File No. Dod-96

x Denotes location of well on U. S. 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.

WW-4A
Revised 6-07

1) Date: May 21, 2018
2) Operator's Well Number
606092 J. L. Carr #6092
3) API Well No.: 47 - 017 - 00096

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Daniel Flack</u>	(c) Coal Lessee with Declaration
Address <u>58 Rive Road</u>	Name _____
<u>Buckhannon WV 26201</u>	Address _____
Telephone <u>304-545-0109</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 Department 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.

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Well Operator EQT Production Company
 By: Erin Spine
 Its: Regional Land Supervisor
 Address 2400 Ansys Drive, Suite 200
Canonsburg PA 15317
 Telephone (304) 848-0035

Subscribed and sworn before me this 29 day of May 2018
Rebecca L. Wanstreet Notary Public
My Commission Expires 4-7-2020

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 depprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

606092 J. L. Carr #6092

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,
ETC.

_____	Date _____	Name _____	_____
Signature		By	_____
		Its	_____
			Date _____
		Signature	Date _____

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WV Department of Environmental Protection

WW-4B

API No.	<u>47-017-00096</u>
Farm Name	<u>J. L. Carr</u>
Well No.	<u>606092 J. L. Carr #6092</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ____/ owner ____/ lessee ____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

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17-00096 P

WW-9
(5/16)

API Number 47 - 017 - 00096
Operator's Well No. 606092 J. L. Carr #6092

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

Operator Name EQT Production Company OP Code _____

Watershed (HUC 10) Brush Run Quadrangle Smithburg

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes No If so, what 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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- 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, removed 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 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 Department 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 submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Erin Spine

Company Official Title Regional Land Supervisor

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WV Department of Environmental Protection

Subscribed and sworn before me this 29 day of May, 2018

Rebecca L. Wanstreet Notary Public

My commission expires 7-7-2020



17-00096P

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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Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Aslike Clover	5	Aslike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

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WV Department of
Environmental Protection

Title: _____ Date: _____

Field Reviewed? () Yes () No

Topo Quad: Smithburg 7.5'

Scale: 1" = 200'

County: Doddridge

Date: April 17, 2018

District: Grant

Project No: 67-30-00-08

47-017-00096 WV 606092 (J. L. Carr #6092)

Topo

Pit Location Map



Proposed Access Road

Existing Well Access Road

47-017-00096
WV 606092

900

1200

NAD 27, North Zone
N:316289.03
E:1661532.13

WGS 84
LAT:39.362293
LONG:-80.696935
ELEV:1151.24

LEGEND



Proposed Pit Location



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

2400 Ansys Drive
Canonsburg, PA 15317

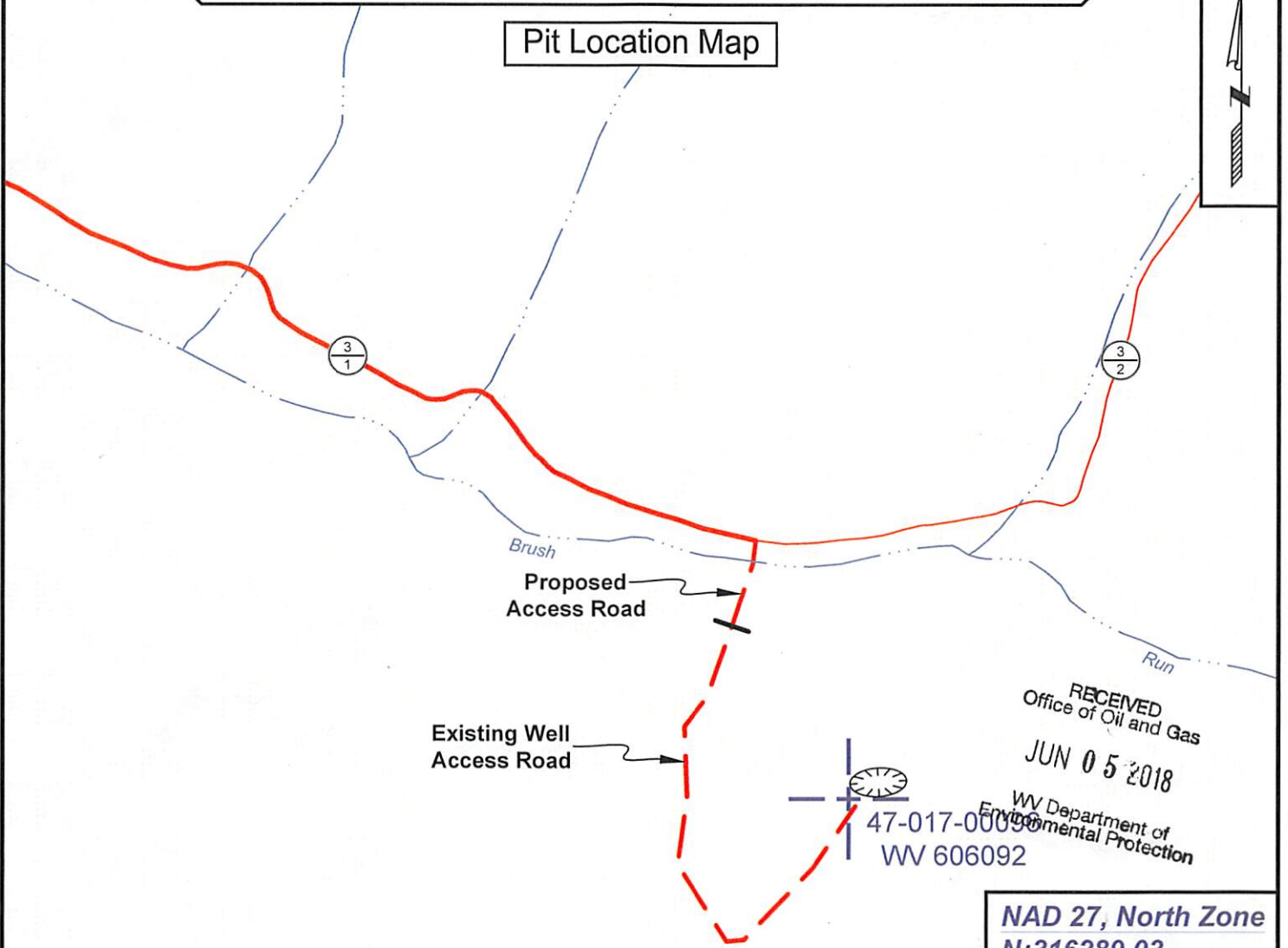
DAF, 1...

Topo Quad: Smithburg 7.5' Scale: 1" = 500'
 County: Doddridge Date: April 17, 2018
 District: Grant Project No: 67-30-00-08

Highway

47-017-00096 WV 606092 (J. L. Carr #6092)

Pit Location Map




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47-017-00096
 WV 606092

NAD 27, North Zone
 N:316289.03
 E:1661532.13

WGS 84
 LAT:39.362293
 LONG:-80.696935
 ELEV:1151.24

LEGEND

 Proposed Pit Location



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

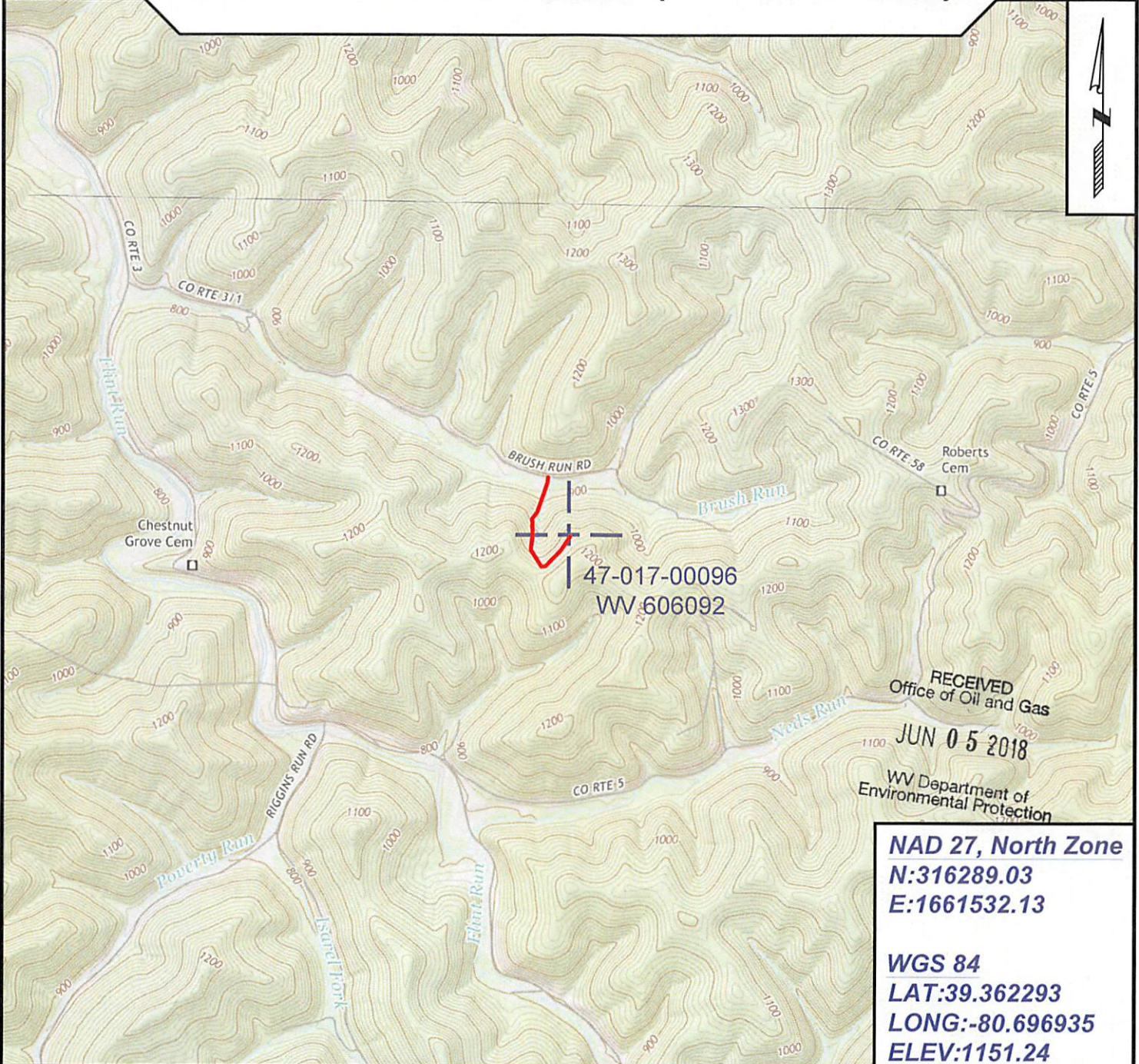
2400 Ansys Drive
 Canonsburg, PA 15317

17-00096P

Topo Quad: Smithburg 7.5' Scale: 1" = 2000'
 County: Doddridge Date: April 17, 2018
 District: Grant Project No: 67-30-00-08

47-017-00096 WV 606092 (J. L. Carr #6092)

Topo



47-017-00096
 WV 606092

RECEIVED
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 WV Department of
 Environmental Protection

NAD 27, North Zone
N:316289.03
E:1661532.13

WGS 84
LAT:39.362293
LONG:-80.696935
ELEV:1151.24



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
 2400 Ansys Drive
 Canonsburg, PA 15317

WW-7
8-30-06



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

API: 47-017-00096 WELL NO.: WV 606092 (J. L. Carr #6092)
FARM NAME: J. L. Carr
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Doddridge DISTRICT: Grant
QUADRANGLE: Smithburg 7.5'
SURFACE OWNER: Margot Beth Crowder
ROYALTY OWNER: Keith and Patty Crihfield
UTM GPS NORTHING: 4357026
UTM GPS EASTING: 526109 GPS ELEVATION: 351 m (1151 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] PS #2180 4/27/18
Signature Title Date



**Miss Utility of West Virginia (WV811)
(Exhibit A)
Directions to Gas Well No. WV 606092
API No. 47-017-00096**

- Beginning at the intersection of US Interstate 79 Exit 119 (Clarksburg/Bridgeport) and US Route 50 in Harrison County, WV.
- Proceed West on US Route 50, for approximately 19.4 miles, to the intersection with WV County Route 9.
- Turn right onto WV County Route 9 and proceed Northeast, for approximately 157 feet, to WV County Route 50/27 (Old US 50), on the left.
- Turn left onto WV County Route 50/27 (Old US 50) and proceed Northwest, for approximately 0.2 mile, to WV County Route 3 (Big Flint Road), on the right.
- Turn right onto WV County Route 3 (Big Flint Road) and proceed Northwest, for approximately 9.0 miles, to WV County Route 3/1, on the right. **(Point No. 1)**
- Turn right onto WV County Route 3/1 and proceed Southeast, for approximately 1.3 miles, to the Well Access Road, on the right. **(Point No. 2)**
- Turn right onto the Well Access Road and proceed Southeast, for approximately 0.37 mile, arriving at Gas Well WV 606092. **(Point No. 3)**

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Office of Oil and Gas

JUN 05 2018

WV Department of
Environmental Protection

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

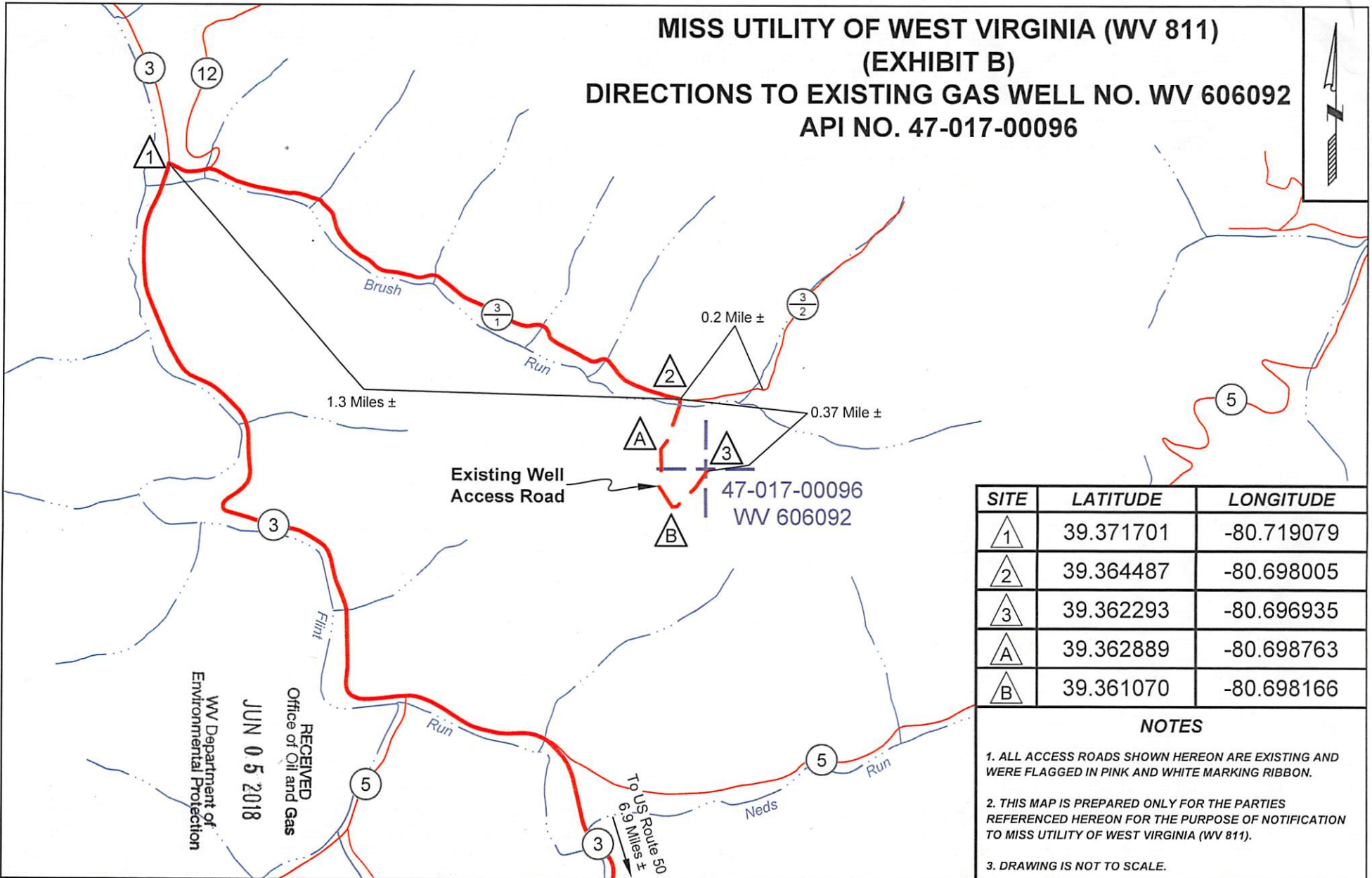
phone: 304-848-5035 fax: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003

phone: 304-756-2949 fax: 304-756-2948

**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)
DIRECTIONS TO EXISTING GAS WELL NO. WV 606092
API NO. 47-017-00096**



SITE	LATITUDE	LONGITUDE
△1	39.371701	-80.719079
△2	39.364487	-80.698005
△3	39.362293	-80.696935
△A	39.362889	-80.698763
△B	39.361070	-80.698166

NOTES

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



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237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

County: Doddridge
District: Grant
Date: March 27, 2018
Project No: 67-30-00-08
File Name: WV 606092 CARR

PREPARED FOR:
EQT Production Company
2400 Ansys Drive
Canonsburg, PA 15317



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. J. L. Carr #6092 - WV 606092 - API No. 47-017-00096

POTENTIAL SAMPLE LOCATIONS

There appears to be no potential water sources within the required 1000 feet of the existing well WV 606092.

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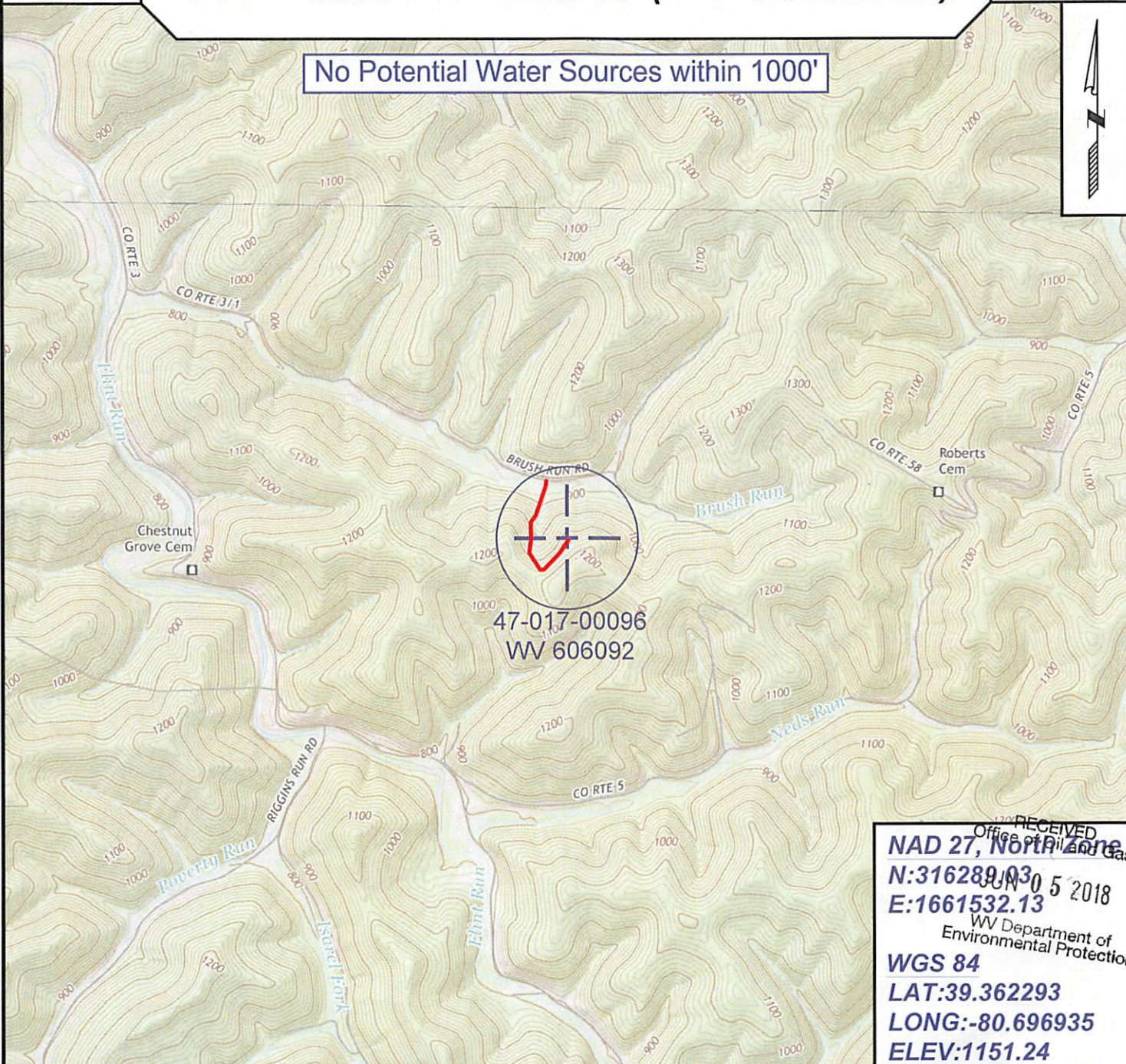
17-00096P

Topo Quad: Smithburg 7.5' Scale: 1" = 2000'
 County: Doddridge Date: April 17, 2018
 District: Grant Project No: 67-30-00-08

Water

47-017-00096 WV 606092 (J. L. Carr #6092)

No Potential Water Sources within 1000'



47-017-00096
WV 606092

RECEIVED
 Office of Oil and Gas
 JUN 5 2018
 NAD 27, North Zone
 N:316289.03
 E:1661532.13
 WV Department of
 Environmental Protection
 WGS 84
 LAT:39.362293
 LONG:-80.696935
 ELEV:1151.24



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