



---

west virginia department of environmental protection

---

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, April 13, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

CORE APPALACHIA OPERATING LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 804619  
47-005-00311-00-00

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

Operator's Well Number: 804619  
Farm Name: MOHLER LUMBER CO.  
U.S. WELL NUMBER: 47-005-00311-00-00  
Vertical Plugging  
Date Issued: 4/13/2020

Promoting a healthy environment.

## 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.

I

47-005-00311 P

WW-4B  
Rev. 2/01

1) Date February 25, 2020  
2) Operator's Well No. 804619  
3) API Well No. 47-005 - 00311

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 \_\_\_

5) Location: Elevation 209.3 m Watershed Big Pinnacle Branch (Upper Little Coal River)  
District Peytona County Boone Quadrangle Julian

6) Well Operator Core Appalachia Operating, LLC 7) Designated Agent Jessica Greathouse  
Address P.O. Box 6070 Address P.O. Box 6070  
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Jeffery L. Smith Name R & J Well Services, Inc.  
Address 5349 Karen Circle, Apartment 2101 Address P.O. Box 40  
Cross Lanes, WV 25313 Hueysville, KY 41640-0040

10) Work Order: The work order for the manner of plugging this well is as follows:

SEE ATTACHED SHEET

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Jeffrey Smith Date 3-12-20

**PLUGGING PROGNOSIS**

804619

West Virginia, Boone County

API# 47-005-00311

Completed by S.T.

Updated 11/12/2019

**Casing Schedule**

10" csg @ 37'

8 ¼" csg @ 335'

6 5/8" csg @ 1355'

4 ½" csg @ 1625'. Perfs @ 1525'-1535'.

- Wellbore drilled out to 1629'. Tools sat down @ 1683'. Drilling ceased

4" CIBP @ 1510'

Historic TD 4266'

Current TD 2011 cavings @ 1683'

\*2/28/2005 CBL shows 4 ½" TOC @ 950'

4" Fluid Level 10/18/19 @ 90'

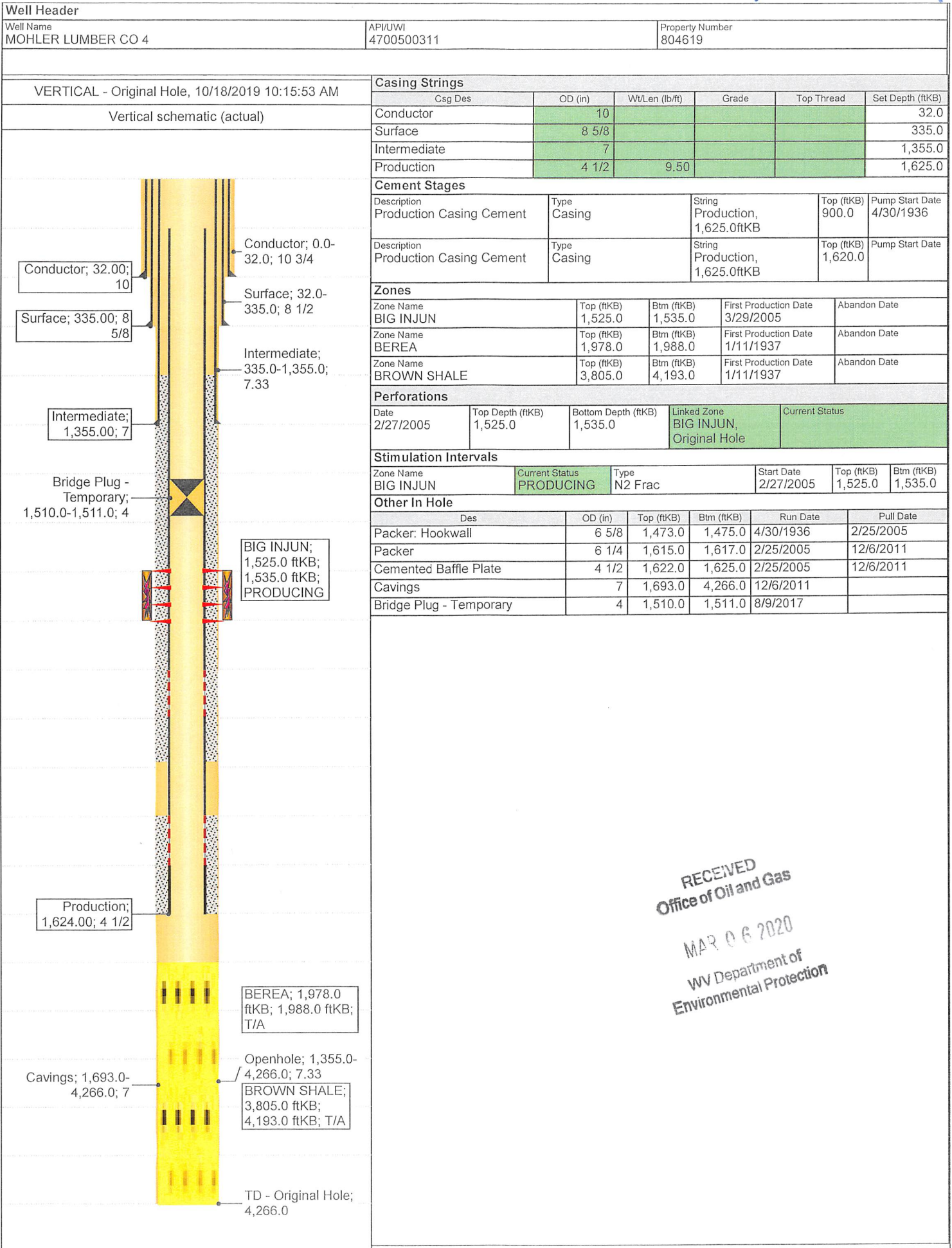
**Completion:** Well recompleted in 2005. Big Injun 1525'-1535'**Fresh Water:** 15', 70'**Gas Shows:** 1441'**Coal:** 75'-78'**Elevation:** 670'**RECEIVED  
Office of Oil and Gas**

MAR 06 2020

**WV Department of  
Environmental Protection**

1. Notify Inspector, Jeffery Smith @ 618-313-6743, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline
4. TIH w/ tbg to 1510'. Load well as needed w/ 6% bentonite gel. Pump 100' C1A cement plug 1510'-  
**1410' (4 ½" csg st and Gas Show)**
5. TOOH w/ tbg to 1410'. Pump 6% bentonite gel from **1410'-670'**. TOOH LD tbg
6. Free point 4 ½" csg. Cut and TOOH. TOC recorded @ 950'. Set 100' C1A cement plug across csg cut. 50' in/out of cut
7. Free point 6 5/8" csg. Cut and TOOH. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
8. TIH w/ tbg to 670'. Pump 100' C1A cement plug from **670'-570' (Elevation)**.
9. TOOH w/ tbg to 570'. Pump 6% bentonite gel from **570'-385'**.
10. TOOH w/ tbg to 385'. Pump 100' C1A cement plug from **385'-285' (8 ¼" csg st)**.
11. TOOH w/ tbg to 285'. Pump 6% bentonite gel from **285'-125'**.
12. Free Point 8 ¼" csg. Cut and TOOH. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
13. TIH w/ tbg to 125'. Pump 125' C1A cement plug from **125'-surface (Coal and Fresh Water)**.
14. Erect monument with API#, date plugged, and company name.
15. Reclaim location and road to WV-DEP specifications.





WW-4A  
Revised 6-07

1) Date: February 25, 2020  
2) Operator's Well Number  
804619

3) API Well No.: 47 - 005 - 00311

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:  
(a) Name Mohler Timberlands, LLC  
Address 135 Corporate Center Drive, Ste. 51  
Scott Depot, West Virginia 25560  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Jeffery L. Smith  
Address 5349 Karen Circle, Apartment #2101  
Cross Lanes, WV 25313  
Telephone 681-313-6743

5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Mohler Timberlands, LLC  
Address 135 Corporate Center Drive, Ste. 51  
Scott Depot, West Virginia 25560  
(c) Coal Lessee with Declaration  
Name See Attached Sheet  
Address \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
FEB 26 2020  
WV Department of  
Environmental Protection

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.

Well Operator Core Appalachia Operating, LLC  
By: [Signature] Jessica Greathouse  
Its: Manager - Environmental, Health, Safety  
Address P.O. Box 6070  
Charleston, WV 25362  
Telephone 304-353-5240



Subscribed and sworn before me this 27th day of March 2020  
Phyllis A. Copley Notary Public  
My Commission Expires September 16, 2023

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](mailto:depprivacyoffier@wv.gov).



WEST VIRGINIA DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Well 804619  
API 47-005-00311P  
page 1 of 2

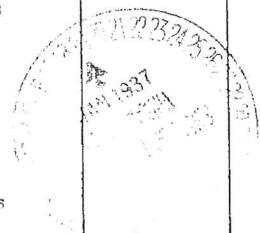
Permit No. Boo-311

Oil or Gas Well GAS  
(Kind)

Company <u>United Fuel Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 1256, Charleston, West Virginia</u>	Size			
Farm <u>Mohler Lumber Company</u> Acres <u>2,000</u>	16.			Kind of Packer
Location (waters) <u>Pinnacle Branch</u>	13.			<u>Hook Wall</u>
Well No. <u>4619</u> Elev. <u>670</u>	10.	<u>32'</u>	<u>32'</u>	Size of <u>3x6-5/8</u>
District <u>Scott</u> County <u>Boone</u>	8 3/4.	<u>335'-2"</u>	<u>335'-2"</u>	Depth set <u>1475</u>
The surface of tract is owned in fee by <u>Mohler Lumber Company</u> Address <u>Charleston, W. Va.</u>	6 5/8.	<u>1354'-10"</u>	<u>1354'-10"</u>	Perf. top. <u>None</u>
Mineral rights are owned by <u>Same</u> Address _____	5 3/16.		<u>1488'</u>	Perf. bottom. _____
Drilling commenced <u>April 30, 1936</u>	2.			Perf. top. _____
Drilling completed <u>July 13, 1936</u>	Liners Used			Perf. bottom. _____
Date shot <u>July 15, 22, 23, 30</u> Depth of shot <u>3963</u>				
Open Flow <u>12</u> /10ths Water in _____ Inch				
After Shot <u>12</u> /10ths Merc. in _____ Inch				
Volume <u>372M</u> Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock Pressure <u>445</u> lbs. <u>48</u> hrs.				
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>75</u> FEET <u>36</u> INCHES			
Fresh water <u>15</u> feet <u>70</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water <u>550</u> feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Surface			0	15			
Grevelly			15	30	Water	15'	Hole Full
Slate			30	60			
Sand			60	75	Water	70'	Hole Full
Coal			75	78			
Slate			78	96			
Sand			96	130			
Lime			130	180			
Slate			180	200			
Sand			200	305			
Slate			305	395			
Sand			395	550	Water	550'	Hole Full
Black Lime			550	600			
Salt Sand			600	845			
Black Slate			845	855			
Salt Sand			855	960			
Black Slate			960	1000			
Salt Sand			1000	1110			
Slate			1110	1115			
Red Rock			1115	1118			
Slate & Shells			1118	1165			
Red Rock			1165	1175			
Lime Shell			1175	1257			
Little Lime			1257	1287			
Pencil Cave			1287	1292			
Big Lime			1292	1500	Gas	1441-1445'	
Injun Sand			1500	1535			
W. Shells			1535	1730			
Slate & Shells			1730	1775			
Lime Shell			1775	1900			
Stray Sand			1900	1926			
Lime			1926	1956			
Brown Shale			1956	1976			
Berea Sand			1976	1994	Gas	1979-1982'	
Slate			1994	2010	Gas	1982-1987'	
Lime Shell			2010	2018	Gas	1987-1999'	
Slate & Shells			2018	2065	Gas	2010'	
Lime Shells			2065	2090			
Slate & Shells			2090	2665			
Hard Lime Shell			2665	2700			

RECEIVED  
Office of Oil and Gas  
MAR 14 2020  
WV Department of  
Environmental Protection



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			2700	3153			
Brown Shale			3153	3220	Gas	3215'	
Slate & Shells			3220	3365	Gas	3215-3218'	
Brown Shale			3365	3390	Gas	3275-3278'	
Lime Shell			3390	3410			
White Slate			3410	3420	Gas	3440-3445'	
Brown Shale			3420	3550	Gas	3506-3515'	
White Slate			3550	3963	Gas	3770-3775'	
Brown Shale			3963	4188	Gas	3970-3980'	
Lime Shell			4188	4200			
Black Lime			4200	4250			
C. Lime			4250				
TOTAL DEPTH			4266				1400' of 1 1/2" tubing left in hole below 2900'

Well 804619  
 API 47-005-00316  
 Page 2 of 2

SHOT RECORD

7/16/36  
 Top SHOT - 3969  
 Bottom SHOT - 4193  
 TEST BEFORE - 20/10 H<sub>2</sub>O 2"  
 TEST AFTER - 22/10 H<sub>2</sub>O 2"

7/22/36  
 Top SHOT - 3805  
 Bottom SHOT - 3810  
 TEST BEFORE - 20/10 H<sub>2</sub>O 2"  
 TEST AFTER - 20/10 H<sub>2</sub>O 2"

7/30/36  
 Top SHOT - 1978  
 Bottom SHOT - 1988  
 TEST BEFORE - 24/10 H<sub>2</sub>O 2"  
 TEST AFTER - 50/10 H<sub>2</sub>O 2"

RECEIVED  
 Office of Oil and Gas  
 MAR 10 1937  
 WV Department of  
 Environmental Protection

Well 804619  
 API 47-005-00311P  
 Page 1 of 2

WR-35

RECEIVED  
 Office of Oil & Gas

DATE: August 3, 2005

DEC 05 2005

API: 47-500311

State of West Virginia  
 Division of Environmental Protection  
 Section of Oil and Gas  
 WV Department of Environmental Protection  
 Well Operator's Report of Well Work

Farm name: Mohler Lumber Co.  
 Location Elevation: 670'  
 District: Scott

Operator Well No. 804619 - WORKOVER  
 Quadrangle: Julian  
 County: Boone

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up Cu.Ft.
Address: P.O. Box 6070	10 3/4		37	Existing
Charleston, WV 25362	8 1/4	335	335	Existing
Agent: Michael A. John	7	1355	1355	Existing
Inspector: Carlos Hively	4 1/2		1625	74
Date Permit Issued: 2/22/05	3 1/2			Pulled
Date Well work commenced: 2/25/05				
Date Well Work completed: 3/23/05				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable X Rig				
Total Depth (feet):				
Fresh Water Depth (ft):				
Salt Water Depth (ft): 1000				
Is coal being mined in area (YES)				
Coal Depths (ft): 15, 70, 550				

OPEN FLOW DATA (SEE ATTACHED)

**Producing formation:** Pay zone depth (ft) from to  
 Gas: Initial open flow TSTM MCF/d Oil: Initial open flow Bbl/d  
 Final open flow MCF/d Final open flow Bbl/d  
 Time of open flow between initial and final tests Hours  
 Static rock Pressure psig (surface pressure) after 90 Hours

**2nd producing formation:** Pay zone depth (ft) from to  
 Gas: Initial open flow TSTM Oil: Initial open flow Bbl/d  
 Final open flow MCF/d Final open flow Bbl/d  
 Time of open flow between initial and final tests Hours  
 Static rock Pressure psig (surface pressure) after Hours

**3rd producing formation:** Pay zone depth (ft) from to; from to  
 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  
 Final open flow MCF/d Final open flow Bbl/d  
 Time of open flow between initial and final tests Hours  
 Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

WELL OPERATOR: COLUMBIA NATURAL RESOURCES, INC.

Prepared by: James Russell, Workover Specialist Date: 8/3/05

Reviewed by: *R.E. Schmitter* Date: 11/15/05

RECEIVED  
 Office of Oil and Gas  
 MAR 06 2020  
 WV Department of  
 Environmental Protection

Boo 0311

Operator Well No: 804619 - Workover

**1<sup>ST</sup> STAGE: Foam Frac of Injun**

**Date Stimulated: 3/07/05**

40 Perforations from 1525' to 1535'  
Breakdown @ 1475 PSI,  
ATP 1223 PSI,  
Total N2 111,000 Scf.

Acid 250 gal. 15% HCL  
Avg Rate 20 BPM  
Total H2O 178 Bbl., Total Sand 50,000#  
Post ISIP \_\_\_\_ PSI, 5 min \_\_\_\_ PSI  
Well screened out

FOF on Injun: 398 Mcf/d                  6 Hours

FRP on Injun: 340 PSI                  336 Hours



Well 804619  
API 47-005-00311P  
page 2 of 2

Columbia Natural Resources LLC  
Mohler Lumber 804619  
Scott District, Boone County, WV  
47-005-00311-F  
Ground elevation: 670 Feet

Formation	Top	Bottom
Siltstone, sand & shale	0	513
Salt Sand	513	580
Siltstone & shale	580	760
Salt Sand	760	858
Siltstone & shale	858	1030
Salt Sand	1030	1136
Shale	1136	1254
Little Lime	1254	1360
Big Lime	1360	1500
Shale	1500	1520
Injun sand	1520	1555
Pocono shale	1555	1665
LTD	1665	

*Depths are electric log data.*

RECEIVED  
Office of Oil and Gas

MAR 06 2020  
WV Department of  
Environmental Protection

Boo 0311

MAR 13 2020

WV Department of  
Environmental Protection

**SURFACE OWNER WAIVER**

Operator's Well  
Number

804619

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 57<sup>th</sup> 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.

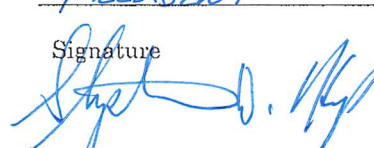
VOLUNTARY STATEMENT OF NO OBJECTION

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,

_____	Date _____	Name _____	_____
Signature		By	MONIER TIMBERLANDS LLC
		Its	STEPHEN D. HALL
			PRESIDENT
			Date 3/10/2020
		Signature	Date
			

Well 804619

API 47-005-00311 P

Coal Lessee(s):

Coal River Energy  
148 Bristol East Road  
Bristol, Virginia 24202

Managing Member:

Joseph G. Bunn, Esq  
Step toe & Johnson PLLC  
P.O. Box 1588  
Charleston, WV 25362

Coal Sublessee:

Lexington Coal Company, LLC  
P.O. Box 58370  
Charleston, WV 25358-0370

RECEIVED  
Office of Oil and Gas  
06 2020  
WV Department of  
Environmental Protection



WW-9  
(5/16)

API Number 47 - 005-00311  
Operator's Well No. 804619

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

Operator Name Core Appalachia Operating, LLC OP Code 494518671

Watershed (HUC 10) Blg Pinnacle Branch (050500090502) Upper Little Coal River Quadrangle Jullan

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: Plugging returns/Cement

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 20

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? \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

MAR 06 2020

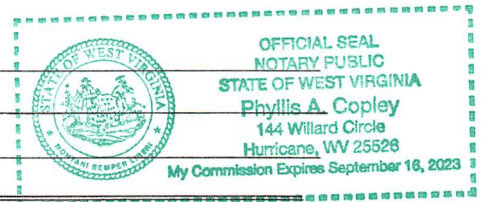
WV Department of  
Environmental Protection

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) Jessica Greathouse  
Company Official Title Manager - Environmental, Health, Safety



Subscribed and sworn before me this 4th day of March, 2020

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

± +/-

Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount \_\_\_\_\_ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

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

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

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: Jeffrey Smith

Comments: All sediment control to be removed prior to release.

Title: Oil & Gas Inspector Date: 3-12-20

Field Reviewed? (  ) Yes (  ) No

WW-9- GPP  
Rev. 5/16

Page 1 of 2  
API Number 47 - 005 - 00311  
Operator's Well No. 804619

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
GROUNDWATER PROTECTION PLAN**

Operator Name: Core Appalachia Operating LLC  
Watershed (HUC 10): Big Pinnacle Branch HUC ID # 05050090502 (Upper Little Coal River) Quad: Julian  
Farm Name: Mohler Lumber Company

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Treatment of the fluid will include adjusting pH and precipitating out solids as needed. Fluid will be discharged in a manor to eliminate sediment runoff.

The potential contaminates are class A cement, bentonite gel, and produced fluids. These contaminates are circulated to surface during plugging operations.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

The contaminants are circulated to surface and drainage controlled into a line pit. The cement and gel are allowed to settle out in the pit. The produced fluids will then be tested and if treatable treated and ground applied. Otherwise the produced fluids will be hauled to a commercial injection well.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Closest body of water is Big Pinnacle Branch (88'). The discharge area is within 50' of the wellhead protection area.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

There are no activities at this facility regulated for groundwater protection. The facility is a non producing gas well without a tank.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.



There is no existing ground water quality data at this site or adjacent properties

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

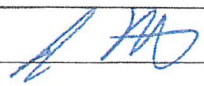
No waste material will be used for deicing or fill material on this property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

DGOC supervision will manage testing and contract employees on site. DGOC supervision will ensure testing is within all required parameters prior to discharging and utilize silt fencing as needed to eliminate erosion.

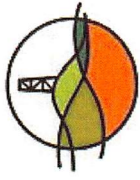
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

A job safety analysis will be completed each day on site to discuss the procedures, safety, and inspect all GPP elements and equipment.

Signature: 

Date: 2-20-2024









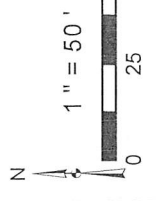
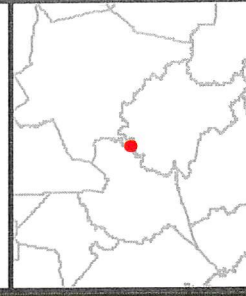
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

804619

Plugging Map

### Legend

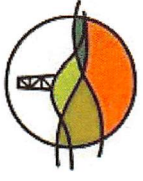
- Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



Well No.: 804619  
 UTM 83-17, Meters  
 North: 426522.93  
 East: 4227048.85  
 Elev.: 209.3

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community










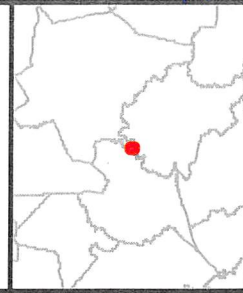
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

804619

Plugging Map

Legend

-  Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



1" = 500'

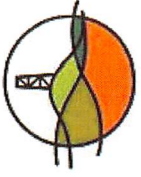


Well No.: 804619  
UTM 83-17, Meters  
North: 426522.93  
East: 4227048.85  
Elev.: 209.3



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





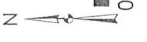
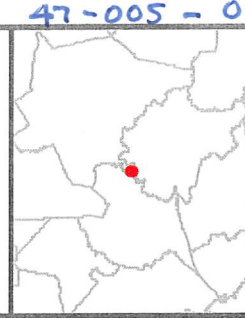
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

804619

Plugging Map

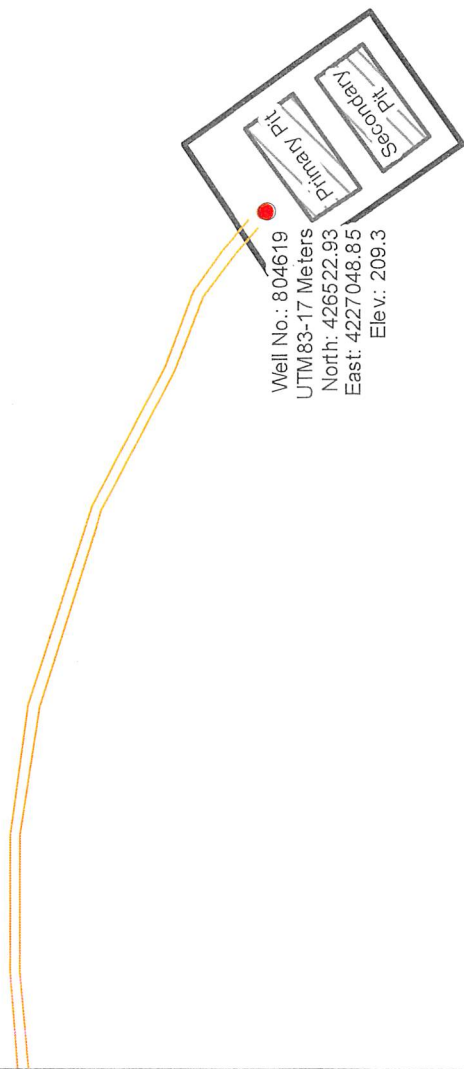
**Legend**

- Well
- Access Road
- ▨ Pits
- ▭ Pad
- Public Roads

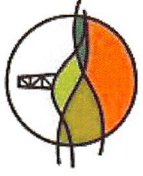


1" = 50'

Feet  
0 25 50



**RECEIVED**  
**Office of Oil and Gas**  
 MAR 06 2020  
 WV Department of  
 Environmental Protection



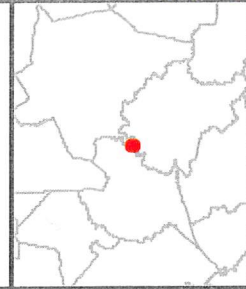
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

804619

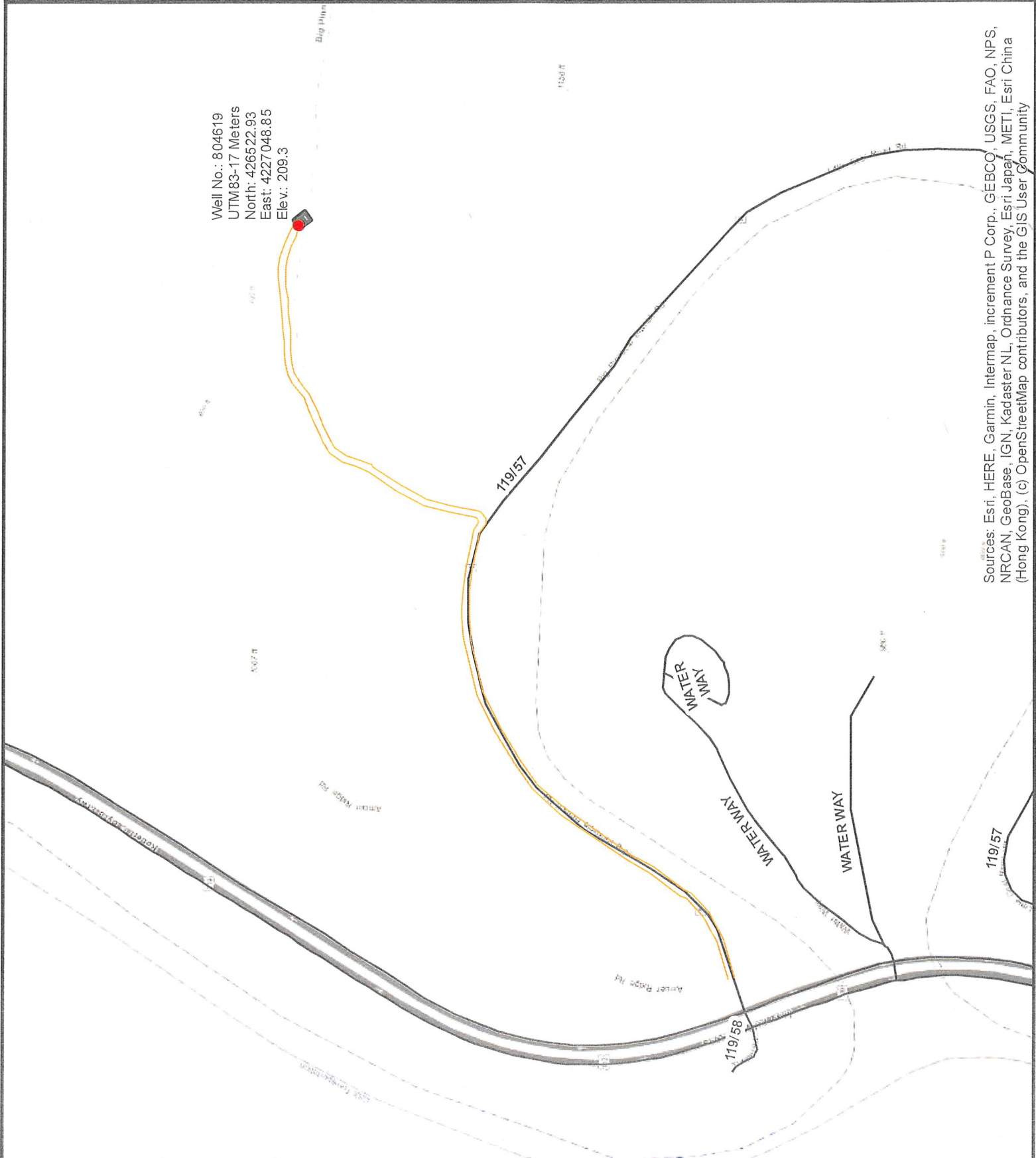
Plugging Map

**Legend**

- Well
- Access Road
- Pits
- Pad
- Public Roads



Well No.: 804619  
 UTM83-17 Meters  
 North: 426522.93  
 East: 4227048.85  
 Elev.: 209.3



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

