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west virginia department of environmental protection

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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)

Tuesday, May 26, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 23 (011980)  
47-005-00677-00-00

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: 23 (011980)  
Farm Name: SILER COAL LAND CO.  
U.S. WELL NUMBER: 47-005-00677-00-00  
Vertical Plugging  
Date Issued: 5/26/2020

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over the typed name and title.

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

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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 March 17, 2020  
2) Operator's  
Well No. 011980  
3) API Well No. 47-005-00677 **P**

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 233.63 m Watershed Wilderness Fork (Fork Creek-Big Coal River)  
District Peytona County Boone Quadrangle Julian

6) Well Operator Alliance Petroleum Corporation 7) Designated Agent Jessica Greathouse  
Address 414 Summers Street Address 414 Summer Street  
Charleston, WV 25301 Charleston, WV 25301

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

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

SEE ATTACHED SHEET

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Office of Oil and Gas  
MAR 31 2020  
WV Department of  
Environmental Protection

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

Work order approved by inspector FOR JEFF SMITH Date 5/21/2020  
OK JNM

**PLUGGING PROGNOSIS**

011980

West Virginia, Boone County

API# 47-005-00677

Completed by S.T.

Updated 2/5/2020

**Casing Schedule:**

10 3/4" csg @ 7'

8 5/8" csg @ 285'

7" csg @ 1231' Parted @ surface

3" csg @ 1400' HW packer @ 1239'

TD 1400'

**Completion:** Acidized**Fresh Water:** 40'**Gas Shows:** 480', Big Lime 1261'**Oil Shows:** 480'**Coal:** 82', 155'**Elevation:** 739'

1. Notify Inspector, Jeffery Smith @ 681-313-6743, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline
4. RIH w/ perf gun and perf 3" csg @ 1280', 1210', and 1170'
5. TIH w/ tbg to 1261". Load well as needed w/ 6% bentonite gel. Pump 120' C1A cement plug from **1281'-1161' (Big Lime Gas show and 7" csg st)**.
6. TOOH w/ tbg to 1161". Pump 6% bentonite gel from **1161'-739'**. TOOH LD tbg.
7. Free Point 3" csg. Cut and pull.
8. Free Point 7" csg. Cut and pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
9. TIH w/ tbg to 739'. Pump 100' C1A cement plug from **739'-639' (Elevation)**.
10. TOOH w/ tbg to 639'. Pump 6% bentonite gel from **639'-480' - 540'**
11. TOOH w/ tbg to 480'. Pump **100'** C1A cement plug from **540'-380' (Gas and Oil Show)**. WATER JWM
12. TOOH w/ tbg to 380'. Pump 6% bentonite gel from **380'-335'**. TOOH LD Tbg
13. Free Point 8 5/8" csg. Cut and pull. Set 100' C1A cement plug across csg Cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed
14. TIH w/ tbg to 335'. Pump 335' C1A cement plug from **335'-0' (8" csg st, Coal, Fresh Water, and surface)** TOOH LD Tbg
15. Erect monument with API#, date plugged, and company name.
16. Reclaim location and road to WV-DEP specifications.

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MAR 31 2020

WV Department of  
Environmental Protection

*Madison*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Permit No. B00-677

Oil or Gas Well Gas  
(KIND)

Company United Carbon Company  
Address Box 1913, Charleston 27, W. Va.  
Farm Siler Coal & Land Co. Acres 9.629  
Location (waters) Wilderness Fork of Fork Ck.  
Well No. 23 (1198) Elev. 739' Gr.  
District Peytona County Wyoming  
The surface of tract is owned in fee by American Rolling Mill Company Address Nellis, W. Va.  
Mineral rights are owned by United Carbon Company Address Charleston, W. Va.  
Drilling commenced August 22, 1944  
Drilling completed November 10, 1944  
*Acidized* Date shot 11-15-44 From \_\_\_\_\_ To \_\_\_\_\_  
With 1000 gals. acid  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
14 /10ths Merc. in 3 Inch  
Volume 1,309,000 Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 40 feet \_\_\_\_\_ feet  
Salt water 532 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>OW Coml</u>
13			<u>Wall &amp; Anchor</u>
10 3/4"	7'	7'	Size of _____
8 5/8"	284' 8"	284' 8"	Depth set. <u>1239'</u>
7" OD	1231'	1231'	
5 3/16			
8	1400'	1400'	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 82 FEET 24 INCHES  
155 FEET 60 INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	3			
Sand			3	40	Water	40'	
Slate	Blue		40	82			
Coal			82	84			
Slate & Shells			84	155			
Coal			155	160			
Slate & Shells			160	285			
Sand			285	325			
Slate & Shells			325	434			
Gas Sand			434	584	Water	532'	
Slate			584	594	Oil & gas	480'	
Salt Sand			594	700			
Slate Shells			700	805			
Salt Sand			805	1032			
Red Rock			1032	1036			
Slate & Shells			1036	1137			
Little Lime			1137	1178			
Pencil Cave			1178	1183			
Big Lime			1183	1396	Gas	1261'	
Injun Sand			1396	1400			
TOTAL DEPTH				1400'			

2 b p h  
Show  
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MAR 31 2020  
WV Department of  
Environmental Protection  
25/10 M 2"  
778MCF

NOV 1944

*[Handwritten signature]*

WW-4A  
Revised 6-07

1) Date: March 17, 2020  
2) Operator's Well Number  
011980

3) API Well No.: 47 - 47-005 - 00677

**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>Penn Virginia Operating Company, LLC</u>	Name <u>None</u>
Address <u>7 Sheridan Square, Suite 400</u> <u>Kingsport, TN 37660</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Penn Virginia Operating Company, LLC</u>
(c) Name _____	Address <u>7 Sheridan Square, Suite 400</u> <u>Kingsport, TN 37660</u>
Address _____	Name _____
6) Inspector <u>Jeffery L. Smith</u>	(c) Coal Lessee with Declaration
Address <u>5349 Karen Circle, Apartment #2101</u> <u>Cross Lanes, WV 25313</u>	Name <u>None</u>
Telephone <u>681-313-6143</u>	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 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	<u>Alliance Petroleum Corporation</u>	RECEIVED
By:	<u>[Signature]</u>	Office of Oil and Gas
Its:	<u>Director Production</u>	<b>MAR 31 2020</b>
Address	<u>414 Summers Street</u> <u>Charleston, WV 25301</u>	WV Department of Environmental Protection
Telephone	<u>304-543-6988</u>	

Subscribed and sworn before me this 17th 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).

SURFACE OWNER WAIVER

Operator's Well Number 011980

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

RECEIVED Office of Oil and Gas
MAR 31 2020
WV Department of Environmental Protection

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,

Signature of Stephen F. Looney, Vice President, dated 03/23/20.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Name By Its

Signature \_\_\_\_\_ Date 03/23/20

WW-4B

API No. 47-005-01477 P  
Farm Name Siler Coal & Land Company  
Well No. 011980

**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: 3/23/2020

By: STEPHEN J. LOONEY  
Its: VICE PRESIDENT

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MAR 31 2020

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WW-9  
(5/16)

API Number 47 - 005-00677  
Operator's Well No. 011980

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

Operator Name Alliance Petroleum Corporation OP Code 494506333

Watershed (HUC 10) Wilderness Fork (05050090606) (Fork Creek-Big Coal River) Quadrangle Julian

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.

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Additives to be used in drilling medium? \_\_\_\_\_

MAR 31 2020

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) \_\_\_\_\_

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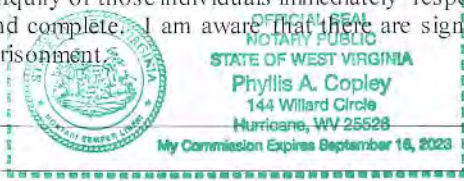
-Landfill or offsite name/permit number? \_\_\_\_\_

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) Jeff Mast  
Company Official Title Director Production



Subscribed and sworn before me this 17th day of March, 2020  
Phyllis A. Copley Notary Public

My commission expires: September 16, 2023

API # 47-005-00687  
00677P

Form WW-9

Operator's Well No. 011980

Proposed Revegetation Treatment: Acres Disturbed 1 +/-  
 Line 3 Tons/acre or to correct to pH 6.5 Prevegetation pH \_\_\_\_\_  
 Fertilizer type 10-20-20 or equivalent  
 Fertilizer amount \_\_\_\_\_ lbs/acre  
 Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike 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: Jeffrey Smith

Comments: All Sediment Control to be removed prior to release.

Title: O. J. Cos Inspector Date: 5-20-20

Field Reviewed? (  ) Yes (  ) No

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

Operator Name: Alliance Petroleum Company LLCWatershed (HUC 10): Wilderness Fork HUC ID # 05050090606 (Fork Creek-Big Coal River) Quad: JulianFarm Name: Siler Coal and Land 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 Wilderness Fork Creek (100'). The nearest well head protection area is 4 miles away and not down stream on this area (different water shed).

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.

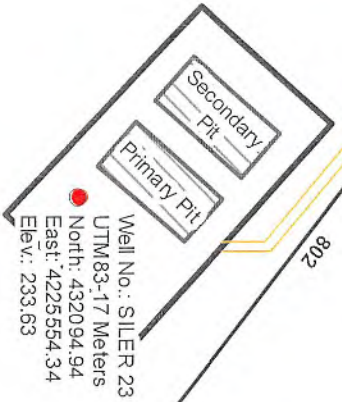
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

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: 5-7-2020

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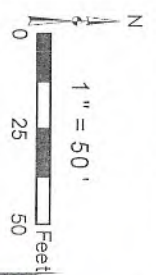
Diversified Gas & Oil  
 Corporation  
 100 Diversified Way  
 Pikeville KY, 41051

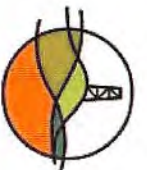
SILER 23

Plugging Map

**Legend**

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





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

SILER 23

Plugging Map

**Legend**

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

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

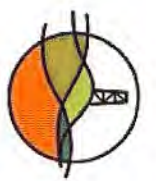
LONG SHOAL BR RD

47-005-00677P



Well No.: SILER 23  
 UTM83-17 Meters  
 North: 432094.94  
 East: 4226554.34  
 Elev.: 233.63

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

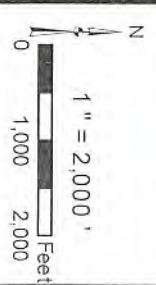
SILER 23

Plugging Map

**Legend**

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

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 MAR 3 1 2020  
 WV Department of  
 Environmental Protection



LONG SHOAL BR RD



Well No.: SILER 23  
 UTM83-17 Meters  
 North: 432094.94  
 East: 4225554.34  
 Elev.: 233.63

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

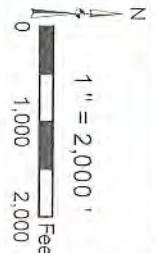
SILER 23

Plugging Map

Legend

- Well
- Access Road
- ▨ Pits
- ▭ Pad
- Public Roads
- USA Topo Maps

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 WV Department of  
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WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-005-00677 WELL NO.: 011980  
 FARM NAME: Siler Coal and Land Company  
 RESPONSIBLE PARTY NAME: Alliance Petroleum Company LLC  
 COUNTY: Boone DISTRICT: Peytona  
 QUADRANGLE: Julian  
 SURFACE OWNER: Penn Virginia Operating Company LLC  
 ROYALTY OWNER: Penn Virginia Operating Company LLC  
 UTM GPS NORTHING: 432,094.94 (738')  
 UTM GPS EASTING: 4,225,554.34 GPS ELEVATION: 233.63 m

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

- Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature] Director Production 3-17-2020  
 Signature Title Date

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Office of Oil and Gas  
MAR 31 2020  
WV Department of  
Environmental Protection