



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

Monday, October 7, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR
JACKSON CITY, PA 16133

Re: Permit approval for 010720 SILER COAL FEE (5)
47-005-00552-00-00

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: 010720 SILER COAL FEE (5)
Farm Name: PENN VIRGINIA OPERATING
U.S. WELL NUMBER: 47-005-00552-00-00
Vertical Plugging
Date Issued: 10/7/2019

Promoting a healthy environment.

I

47-005-00552P

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.

1) Date August 9, 2019
2) Operator's
Well No. 010720 Siler Coal Fee #5
3) API Well No. 47-005 - 00552

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 X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 851 Watershed _____
District Peytona County Boone Quadrangle Julian

6) Well Operator Alliance Petroleum Corporation, LLC 7) Designated Agent David Dean
Address 19971 Old Weston Rd. Address 1997 Old Weston Road
Buckhannon, WV. 26201 Buckhannon, WV. 26201

8) Oil and Gas Inspector to be notified Name Jeffery Smith
Address 5369 Big Tyler Road
Charleston, WV. 25313
9) Plugging Contractor Name R and J Well Service
Address 1087 Racoon Rd.
Hueysville, KY. 41640

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

See attachment for details and procedures

RECEIVED
Office of Oil and Gas

AUG 16 2019

WV Department of
Environmental Protection

OK *gwm*
10/07/19

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

Work order approved by inspector _____ Date _____

PLUGGING PROCEDURE

010720

BOONE COUNTY, WEST VIRGINIA

API# 47-005-00552

BY: JM

DATE: 7/24/2019

Current Status**Csg Schedule**

- 13" csg @ 27'.
- 10" csg @ 252'
- 6 5/8" csg @ 1399'
- 3" tbg @ 1494' w/ packer set at 1399'
- TD @ 1494'

Completion

- Big Lime: 1450'- 1494'

Fresh water @ 18', 223', 285'

Coal @ 58'- 60', 173'- 176', 200'-203'

Gas Shows @ 1445' to TD

Elevation ~~835'~~ (851')**Objective: Plug and abandon**

- 1) Prepare road and location.
- 2) MIRU service rig and support equipment.
- 3) Blow well down. Check TD.
- 4) Attempt to pull 3" tbg and packer. TOOH w/ 3" tbg. Perforate/rip 6 5/8" csg @ 1375'. TIH w/ tbg to TD and kill well as needed w/ 6% bentonite gel and then pump 145' C1A cement plug from **1494'- 1349'**
 - a. If 3" will not pull shoot/rip tbg above packer and change above plug depth to 1399'- 1299'
- 5) TOOH w/ tbg. Free point 6 5/8" csg. Shoot or rip csg at free point. TOOH w/ 6 5/8" csg. A 100' C1A cement plug must be set across csg cut. Any plugs ^{PLACED} below that ^{AND} will remain behind 6 5/8" csg must be shot or ripped at bottom of plug and then every 50' through plug
- 6) TIH w/ tbg to 1349'. Pump 6% bentonite gel from **1349'- 835'**
- 7) TOOH w/ tbg to 835'. Pump 100' C1A cement plug from **835' to 735'**
- 8) TOOH w/ tbg to 735'. Pump 6% bentonite gel from **735' to 335'**.
- 9) TOOH w/ tbg to 835'. Pump 100' C1A cement plug from **335' to 235'**
- 10) TOOH w/ tbg. Free point 10" csg. Shoot or rip csg at free point. TOOH w/ 10" csg. A 100' C1A cement plug must be set across csg cut. Any plugs ^{PLACED} below that ^{AND} will remain behind 10" csg ~~AND~~ must be shot or ripped at bottom of plug and then every 50' through plug
- 11) TOOH w/ tbg to 235'. Pump 235' C1A cement from **235' to Surface**.
- 12) Pull work string and top off w/cement.

- 13) Erect permanent monument (30" minimum height and 6" minimum diameter pipe) with API # (1/2" height numbering) and reclaim.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. B00-552

Oil or Gas Well Gas
(Circle)

Company <u>United Carbon Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Charleston, W. Va.</u>	Size			
Farm <u>Siler Land & Coal Co.,</u> Acres <u>9629</u>	18			Kind of Packer <u>Comb</u>
Location (waters) <u>Anderson Barker Fork</u>	13	<u>27'</u>	<u>27'</u>	<u>Wall & Anchor</u>
Well No. <u>5</u> Elev. <u>835.96</u>	10	<u>252' 5"</u>	<u>252' 5"</u>	Size of <u>6-5/8 X 3"</u>
District <u>Peytonn</u> County <u>Boone</u>	8 1/2	<u>1230</u>		Depth set <u>1390'</u>
The surface of tract is owned in fee by <u>American Rolling Mills Co.</u> Address <u>Mellis, W. Va.</u>	6 3/4	<u>1100</u>	<u>1399</u>	Perf. top <u>1450</u>
Mineral rights are owned by <u>United Carbon Co.</u> Address <u>Charleston, W. Va.</u>	3		<u>1494'</u>	Perf. bottom <u>1494</u>
Drilling commenced <u>August 31, 1942</u>	2			Perf. top _____
Drilling completed <u>October 18, 1942</u>	Liners Used			Perf. bottom _____
Date shot <u>Oct 17, 1942</u> Acidized _____ Depth of shot <u>1494</u>				
Open Flow <u>40/10ths</u> Water in _____ Inch _____				
Volume <u>600,000</u> Cu. Ft. _____				
Rock Pressure _____ lbs _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

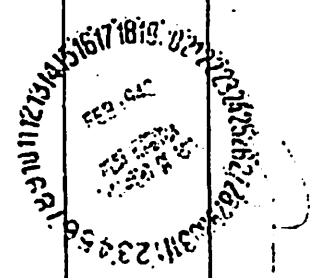
None

COAL WAS ENCOUNTERED AT 5' FEET 24 INCHES

173 FEET 36 INCHES 200 FEET 36 INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand & Gravel	Light	Soft	0	10			
Sand	Gray	Hard	10	40	Water	18'	
Slate	Black	Soft	40	58	"	223'	
Coal	"	Soft	58	60	"	285'	
Slate	White	Soft	60	80			
Sand	"	Hard	80	121	Gas	1445'	Small Show
Slate	Black	Soft	121	138	"	From 1479-1481'	60/10W 2"
Sand	Gray	Hard	138	171			
Coal	Black	Soft	171	176	Gas Inc.	1481-1483'	to 70/10W 3"
Sand	White	Hard	176	200			
Coal	Black	Soft	200	203			
Slate	White	Soft	203	220			
Sand	White	Hard	220	230			
Slate	Black	Soft	230	380			
Sand	White	Hard	380	400			
Lime	Dark	Hard	400	420			
Sand	White	Hard	420	475			
Slate	Black	Soft	475	560			
Sand	Light	Hard	560	765			
Slate & Sand	Light	Hard	765	850			
Sand	Light	Hard	850	1140			
Red Rock	Red	Hard	1140	1150			
Slate	Blue	Soft	1150	1160			
Red Rock	Red	Hard	1160	1170			
Slate & Shell	Dark	Soft	1170	1280			
Little Lime	Light	Hard	1280	1310			
Pencil Cave	Dark	Soft	1319	1325			
Big Lime	White	Hard	1325	1494			
	Total	Depth		1494'			



WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

4700500552P

Permit No. Boc 552
Madison Quad.
Company
Address
Farm
Location
Well No
District
Surface

Mineral
Commenced
Completed
Date shot
Open flow
Volume
Fresh Water

United Carbon Company
Charleston, W.Va.
Siler Land & Coal Co. Acres 9689
Anderson Barker Park
5 Elev. 835.96
Peytona Boone County
American Rolling Mills Co.
Nellis, W.Va.
United Carbon Co., Charleston, W.Va.
Aug. 31 1942
Oct. 18, 1942
Oct. 17, 1942 Acidized 1494
40/10ths W in 3"
600,000 C.F.
18', 223', 285'

Gas Well
CASING & TUBING

13	27	27
10	252'5	252'5
8 1/2	1239	
65/8	1399	1399
3		1494'

Comb. Well & Anchor
Packer
Size 6 3/8 x 3
Depth 1399'
Perf. top 1450
Perf. bot 1494

Coal at 58' 24"; 173' 36"
200' 36"

Sand & Gravel	Lt	S	0	10	
Sand	Gr	H	10	40	
Slate	Bk	S	40	58	
Coal	Bk	S	58	60	
Slate	Wh	S	60	80	
Sand	Wh	H	80	121	
Slate	Bk	S	121	138	Gas 1445' Small show
Sand	Gr	H	138	173	Gas 1479-1481' 60/10 W 2"
Coal	Bk	S	173	176	
Sand	Wh	H	176	200	
Coal	Bk	S	200	203	
Slate	Wh	S	203	220	
Sand	Wh	H	220	230	
Slate	Bk	S	230	380	
Sand	Wh	H	380	400	
Lime	Dk	H	400	420	
Sand	Wh	H	420	475	
Slate	Bk	S	475	560	
Sand	Lt	H	560	765	
Slate & Sand	Lt	H	765	850	
Sand	Lt	H	850	1140	
Red Rock	R	H	1140	1150	
Slate	Bk	S	1150	1160	
Red Rock	R	H	1160	1170	
Slate & Shell	Dk	S	1170	1280	Gas Inc. 1481-1483 to 70/10 W 3"
Little Lime	Lt	H	1280	1319	
Pencil Cave	Dk	S	1319	1325	
Big Lime	Wh	H	1325	1494	
TOTAL DEPTH				1494	

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Office of Oil and Gas

APR 23 2018

WV Department of
Environmental Protection

47-005-00552 P

WW-4A
Revised 6-07

1) Date: August 9, 2019
2) Operator's Well Number
010720 Siler Coal Fee #5

3) API Well No.: 47 - 005 - 00552

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

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Office of Oil and Gas

4) Surface Owner(s) to be served:
(a) Name Penn Virginia Operating Co. LLC
Address Seven Sheridan Square Suite 400
Kingsport, TN. 37660
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Jeffery Smith
Address 5389 Big Tyler Road
Charleston, WV. 25313
Telephone 681-313-6743

5) (a) Coal Operator
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Penn Virginia Operating Co. LLC
Address Seven Sheridan Square Suite 400
Kingsport, TN. 37660
(c) Coal Lessee with Declaration
Name None
Address _____

AUG 16 2019

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 Alliance Petroleum Corporation, LLC
By: David Dean
Its: Executive VP Production
Address 1997 Old Weston Road
Buckahnnon, WV. 26201
Telephone 304-471-2319

Subscribed and sworn before me this 12th day of August 2019
Hartsel E. McCauley
My Commission Expires November 12, 2019

Notary Public



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 depprivacyofficer@wv.gov.

47-005-00552P

7019 0160 0000 1774 9396

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KINGSPORT TN 37660

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<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$1.30	08/14/2019
Total Postage and Fees	\$7.60	

Sent To: Penn Virginia Operating, LLC
Street and Apt. No., or PO Box No.: Seven Sheridan Square Suite 400
City, State, ZIP+4: Kingsport, TN, 37660

PS Form 3800, April 2015 PSN 7539-02-000-9047 See Reverse for Instructions

PRESTONSBURG
119 FRANKLIN COR
PRESTONSBURG, KY 41653-9998
206288-0653
(800)275-8777
08/14/2019 12:51 PM

Product	Qty	Unit Price	Price
First-Class Mail® Large Envelope (Domestic) (KINGSPORT, TN 37660) (Weight: 0 Lb 2.70 Oz) (Estimated Delivery Date) (Saturday 08/17/2019)	1	\$1.30	\$1.30
Certified (USPS Certified Mail #) (70190160000017749396)			\$3.50
Return Receipt (USPS Return Receipt #) (9590940250009063061402)			\$2.80
Total:			\$7.60

Credit Card Remitd \$7.60
(Card Name: MasterCard)
(Account #:XXXXXXXXXX7257)
(Approval #: 026859)
(Transaction #: 043)
(AID: A0000000041010 Chip)
(AL: MASTERCARD)
(PIN: Not Required)

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

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Well # 010 720

47-005-00552

SURFACE OWNER WAIVER

Operator's Well
Number

010720 Siler Coal Fee #5

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,


Signature

Date 8/20/19 Name
By
Its

Penn Virginia Operating Co, LLC
Stephen Cooney
Vice President Date 8/20/19

Signature

Date

WW-4B

API No. 47-005-00552 P
Farm Name _____
Well No. 010420 Siler Coal Fee #5

**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: 8/20/19

By: [Signature]
Its Vice President

WW-9
(5/16)

API Number 47 - 005 - 00552
Operator's Well No. _____

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 _____

Watershed (HUC 10) Joe Fork 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: Formation Fluids

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number UIC2D0550319)
- 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.

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Office of Oil and Gas

Company Official Signature David T. Dean

AUG 16 2019

Company Official (Typed Name) David T. Dean

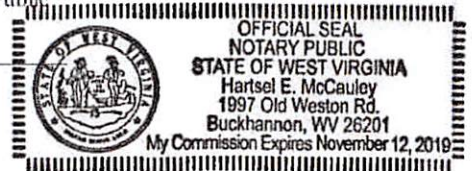
Company Official Title VP Production

WV Department of Environmental Protection

Subscribed and sworn before me this 12th day of August, 2019

Hartsel E. McCauley Notary Public

My commission expires November 12, 2019



Proposed Revegetation Treatment: Acres Disturbed 1+/- Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

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	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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Office of Oil and Gas

AUG 16 2019

WV Department of
Environmental Protection

Title: _____ Date: _____

Field Reviewed? () Yes () No

47-005-00552A



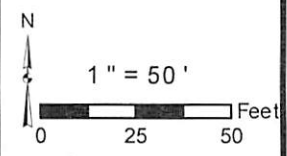
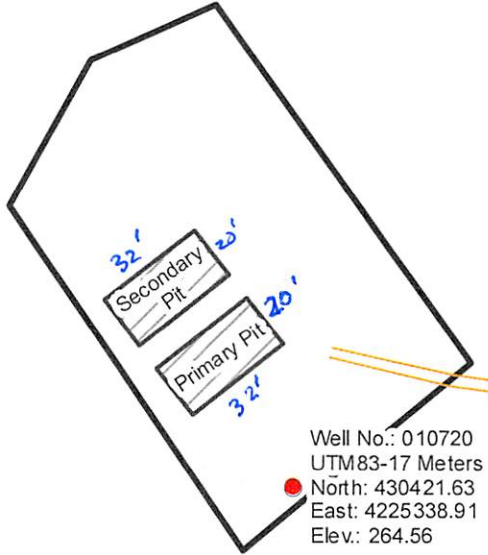
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

010720

Plugging Map

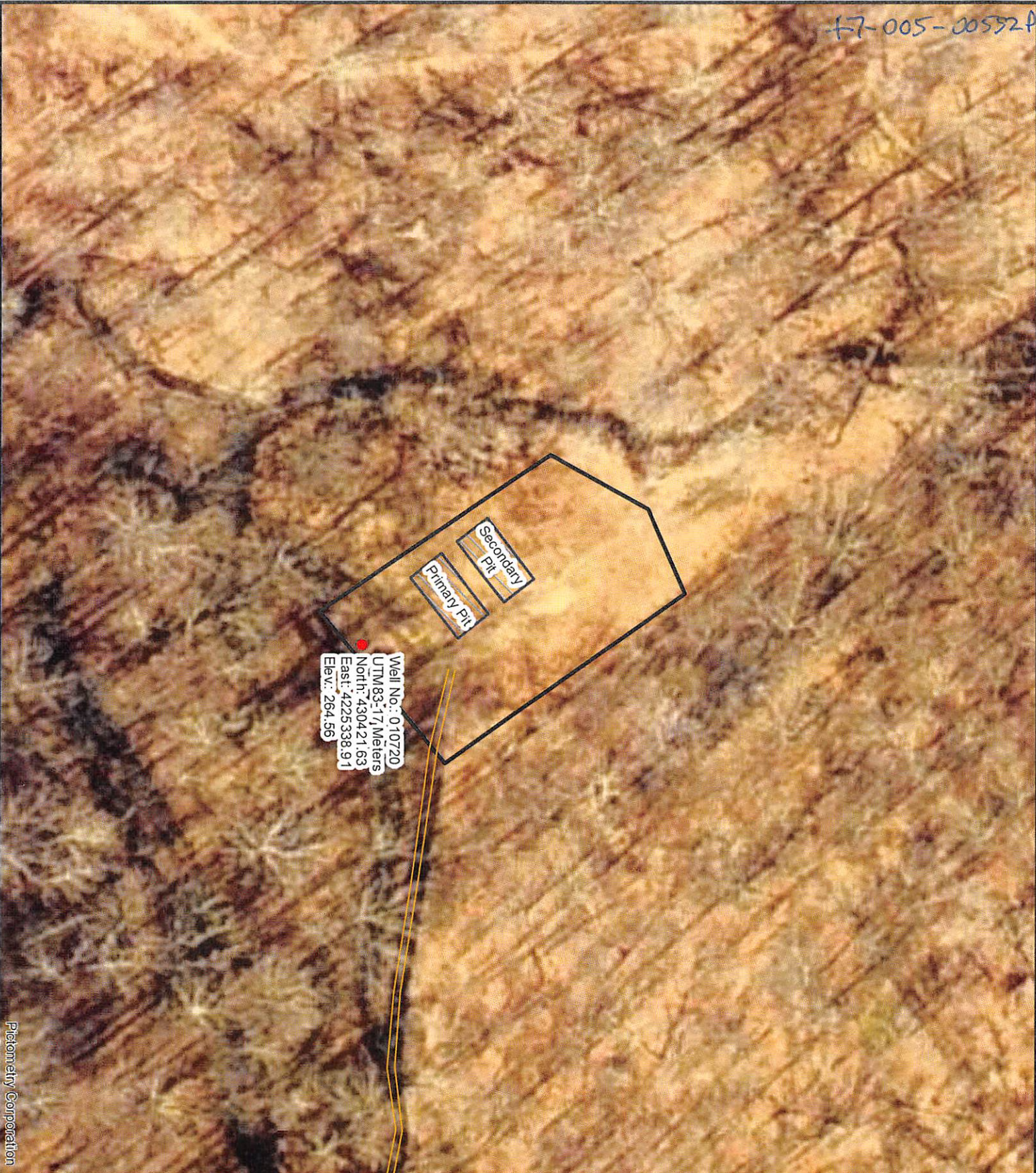
Legend

- Well
- ⊗ Sediment Control
- Access Road
- Pits
- Pad
- Public Roads

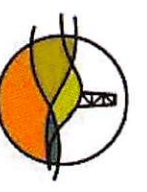


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Office of Oil and Gas
AUG 16 2019
WV Department of
Environmental Protection

17-005-00592A



Well No.: 010720
 UTM83-17 Meters
 North: 430421.63
 East: 4225338.91
 Elev.: 264.56



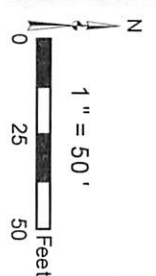
Diversified Gas & Oil
 Corporation
 100 Diversified Way
 Pikeville KY, 41051

010720

Plugging Map

Legend

- Well
- ✕ Sediment Control
- Access Road
- ▨ Pits
- Pad
- Public Roads



Pictometry Corporation



Well No.: 010720
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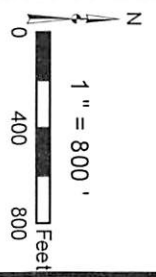
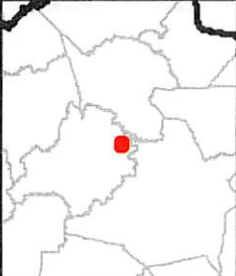
Diversified Gas & Oil
 Corporation
 100 Diversified Way
 Pikeville KY, 41051

010720

Plugging Map

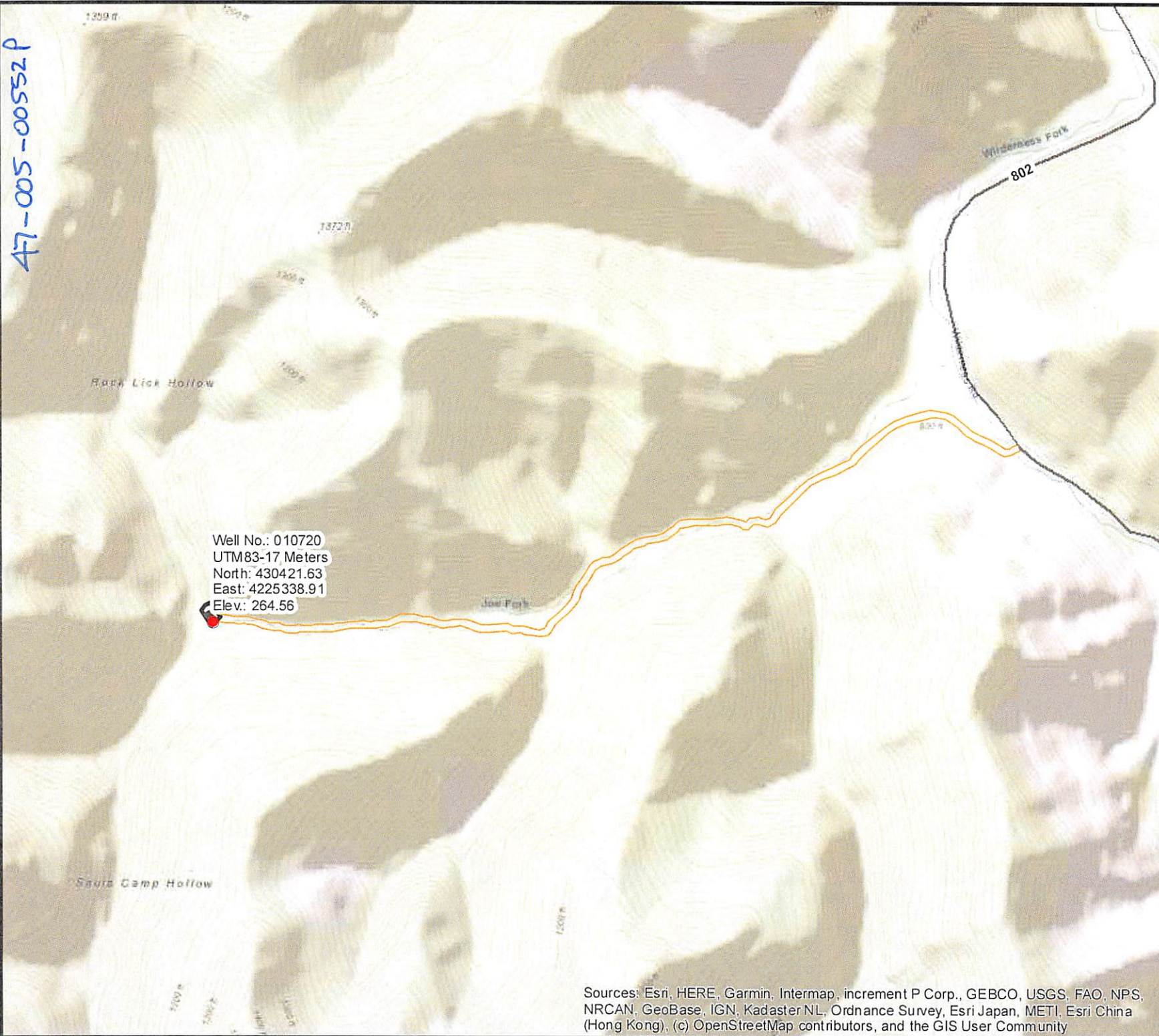
Legend

- Well
- X Sediment Control
- Access Road
- ▨ Pits
- Pad
- Public Roads

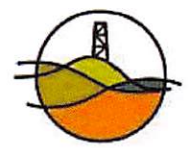


Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

47-005-00552 P



Well No.: 010720
 UTM83-17 Meters
 North: 430421.63
 East: 4225338.91
 Elev.: 264.56



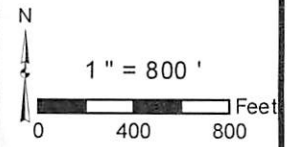
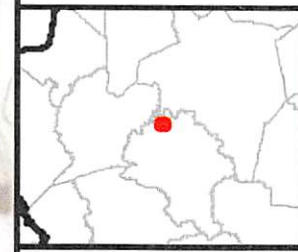
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

010720

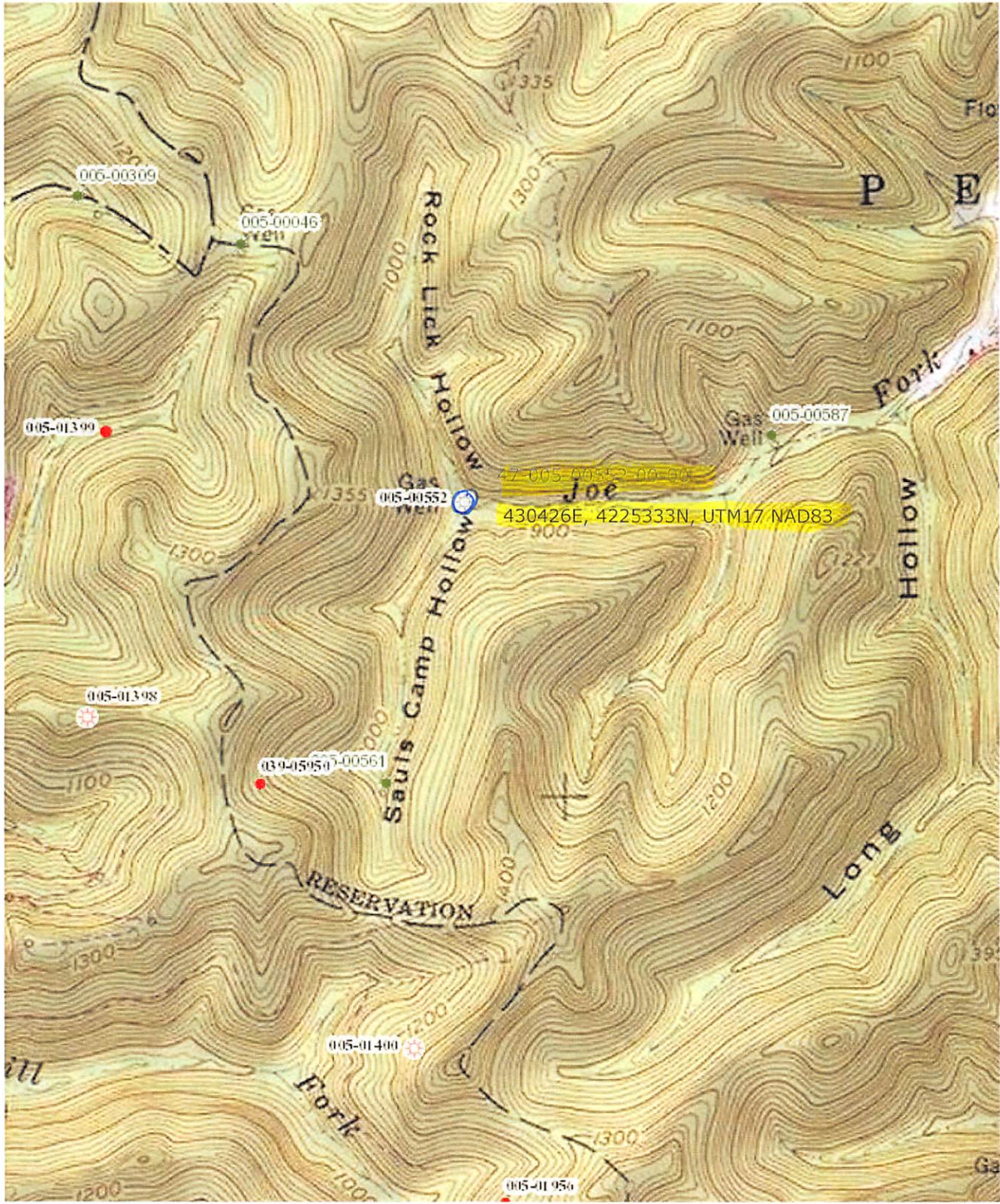
Plugging Map

Legend

- Well
- ⊗ Sediment Control
- Access Road
- ▨ Pits
- ▭ Pad
- Public Roads



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



WW-7
8-30-06



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

API: 47-005-00552 WELL NO.: 010720 Siler Coal Fee #5
 FARM NAME: Siler Coal and Land Company
 RESPONSIBLE PARTY NAME: Alliance Petroleum Company
 COUNTY: Boone DISTRICT: Peytona
 QUADRANGLE: Julian 7.5
 SURFACE OWNER: Penn Virginia Operating Co. LLC
 ROYALTY OWNER: Penn Virginia Operating Co. LLC
 UTM GPS NORTHING: 4225333
 UTM GPS EASTING: 430426 GPS ELEVATION: 259 m (851')

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 [Signature] Title Engineer III Date 8-14-19

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Environmental Protection

11/10/2016

PLUGGING PERMIT CHECKLIST

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Office of Oil and Gas

AUG 16 2019

WV Department of
Environmental Protection

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED