



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

Friday, September 27, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR

JACKSON CITY, PA 16133

Re: Permit approval for 1
47-039-03899-00-00

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: 1
Farm Name: BRADFORD, W. A.
U.S. WELL NUMBER: 47-039-03899-00-00
Vertical Plugging
Date Issued: 9/27/2019

I

PERMIT CONDITIONS

47-039-03899P

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.

1) Date 08-20-2019, 2019
2) Operator's
Well No. 416291 W.A. Bradford 1
3) API Well No. 47-039-03899 *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 X or Underground storage) Deep / Shallow

5) Location: Elevation 667 Watershed Left Fork of Lens Creek
District Loudon County Kanawha Quadrangle Belle

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

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R and J Well Service
Address P.O. Box 1207 Address 1087 Raccoon Road
Clendenin, WV. 25045 Hueysville, KY. 41640

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

See Plugging Prog

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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 *[Signature]* Date 8-23-19

PLUGGING PROCEDURE

416291

KANAWHA COUNTY, WEST VIRGINIA

API# 47-039-03899

BY: JM

DATE: 7/24/2019

Current Status**Csg Schedule**

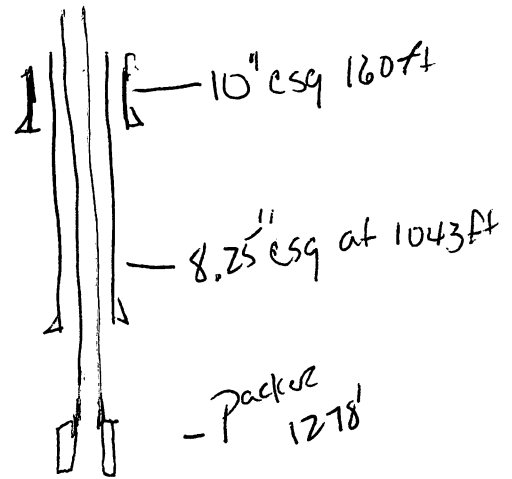
- 10" csg @ 160'
- 8 1/4" csg @ 1043'
- 2" tbg @ 1278' w/ packer set at 1158'
- TD @ 1375'

Completion

- No record. Assumed shot 1043'- 1375'

Fresh water @ No shows**Coal @ No shows****Gas Shows @ Big Lime (1206'- 1212', 1261')****Oil Shows @ 525', 640', 950', Squaw (1365'- 1370')****Elevation 667'****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 2" tbg and packer. If packer will not pull notify WV D.E.P. inspector for additional instruction.
- 5) TIH w/ tbg. Kill well as needed with 6% bentonite gel. Pump 272' C1A cement plug from **1365'- 1093'**
- 6) TOOH w/ tbg. Free point 8 1/4" csg. Shoot or rip csg at free point. TOOH w/ 8 1/4" csg. A 100' C1A cement plug must be set across csg cut. Any plugs below that will remain behind 8 1/4" csg must be shot or ripped at bottom of plug and then every 50' through plug
- 7) TIH w/ tbg to 1093'. Pump 243' C1A cement plug from **1093' to 850'**
- 8) TOOH w/ tbg to 850'. Pump 6% bentonite gel from **850'- 667'**
- 9) TIH w/ tbg to 667'. Pump 242' C1A cement plug from **667' to 425'**
- 10) TOOH w/ tbg to 425'. Pump 6% bentonite gel from **425'- 210'**
- 11) 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 below that will remain behind 10" csg must be shot or ripped at bottom of plug and then every 50' through plug
- 12) TIH w/ tbg to 210'. Pump 210' C1A cement from **210' to Surface**.
- 13) Pull work string and top off w/cement.



Will Reverse if tubing & packer
 Can be removed and will probably
 Add height to plugs

[Signature]
 8-23-19

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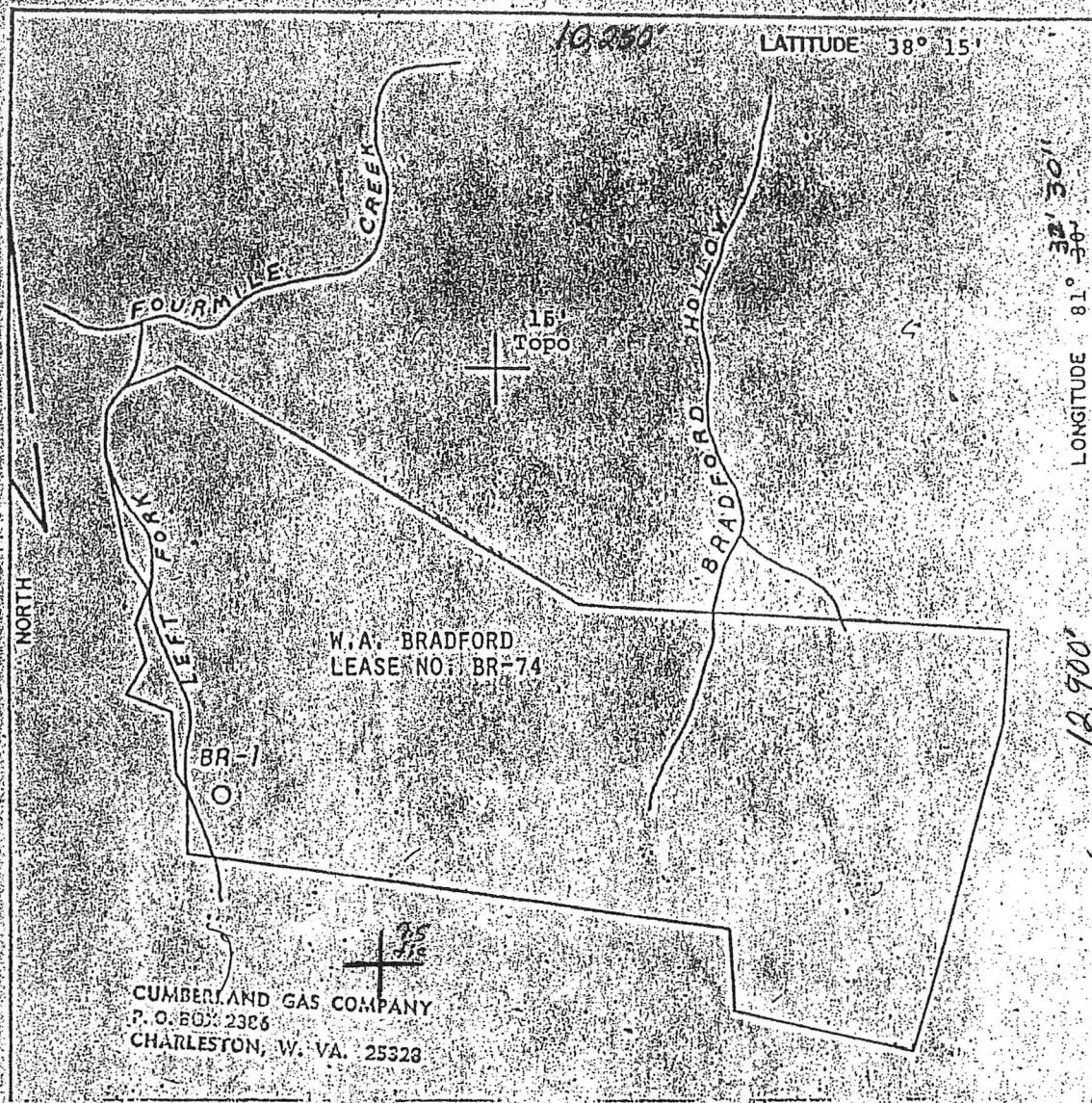
47-039 03899 f

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

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W.A. BRADFORD
LEASE NO. BR-74

BR-1

CUMBERLAND GAS COMPANY
P. O. BOX 2326
CHARLESTON, W. VA. 25328

FILE NO. _____ DRAWING NO. _____ SCALE _____ MINIMUM DEGREE OF ACCURACY _____ PROVEN SOURCE OF ELEVATION _____	I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES. (SIGNED) _____ R.P.E. _____ L.I.S. _____	PLACE SEAL HERE
--	--	-----------------

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(6-78)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE _____ 19 _____
 OPERATOR'S WELL NO. BR-1
 API WELL NO. 47-039-3899
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS PRODUCTION STORAGE DEEP SHALLOW)
 LOCATION: ELEVATION 667 WATER SHED Left Fork of Lens Creek
 DISTRICT Landon COUNTY Kanawha
 QUADRANGLE Brife
 SURFACE OWNER W.A. Bradford ACREAGE _____
 OIL & GAS ROYALTY OWNER _____ LEASE NO. _____ LEASE ACREAGE _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR Equitable Production DESIGNATED AGENT _____
 ADDRESS _____ ADDRESS _____

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Well Name - W. L. Bradford
 Operator - Ira G. Sayre
 Located - Loudon District, Kanawha Co., W. Va.
 Completed - Jan. 4, 1919

Map No. BR-8
 Lease No. 72

BLUE RIDGE GAS CO.
 SERIAL NO. 1

Elevation - 667 (Sayre)

CUMBERLAND GAS COMPANY
 P. O. BOX 2388
 CHARLESTON, W. VA. 25328

Big Lims
 2,000 MCF Est.
 360 R.P.

FORMATION	TOP	BOTTOM	REMARKS
Gravel	0	79	
Slate	160	210	
Slate & Shell	210	280	
Sand	280	310	
Slate	310	330	
Sand	330	345	
Slate & Sand Shell	450	500	
Sand	500	775	Show of Oil at 525'
Slate	775	790	Show of Oil at 640'
Lime	790	815	
Sand	815	900	
Red Rock	900	940	
Sand Shells	940	980	Show of Oil at 950'
Red Rock	960	1025	
Lime Shell	1025	1040	
Big Lims (Dark to 1040') (White " 1062')	1040	1275	Gas 1206-1212 Gas 1261'
Keener	1275	1290	
Slate	1290	1302	
Injun	1302	1339	
Shale	1339	1365	
Squaw	1365	1370	Trace of oil in Squaw - 1365-1370'
Total Depth		1375'	

Casing, 10" 160'
 8" 1043'

Anchor Packer set at 1158' - Perf. 1278'

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47-039-03899P

WW-4A
Revised 6-07

1) Date: 08-20-2019
2) Operator's Well Number: 416291 W.A. Bradford 1
3) API Well No.: 47 - 039 - 03899

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 John W. Peal, Address P.O. Box 636, Cedar Grove, WV. 25039. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name, Address. (b) Coal Owner(s) with Declaration Name No Declarations, Address. (c) Coal Lessee with Declaration Name, Address. 6) Inspector Terry Urban, Address P.O. Box 1207, Clendenin, WV. 25045, Telephone 304-549-5915.

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
Buckhannon, WV. 26201
Telephone 304-471-2319

David Dean

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WV Department of
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Subscribed and sworn before me this 20th day of August 2019

My Commission Expires November 17, 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.

WW-9
(5/16)

API Number 47 - 039 - 03899
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, LLC OP Code _____

Watershed (HUC 10) Left Fork of Lens Creek Quadrangle Bell

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: _____

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.

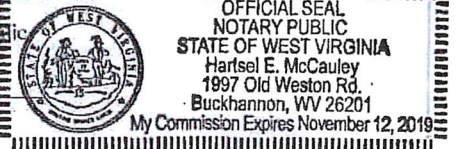
Company Official Signature David Dean
Company Official (Typed Name) David Dean
Company Official Title VP Production

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Subscribed and sworn before me this 20th day of August, 2019

Hertsel E. McCauley
Notary Public

My commission expires November 12, 2019



WV Department of Environmental Protection

Proposed Revegetation Treatment: Acres Disturbed 1+0 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: First Runo before Swimming pool in KSF

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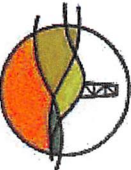
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Title: Inspector DeLoers

Date: 8-23-19

Field Reviewed? Yes No

47-039-03899P



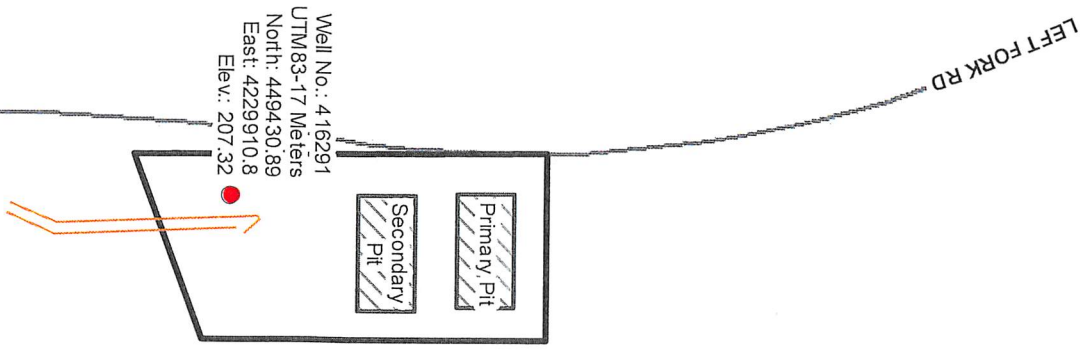
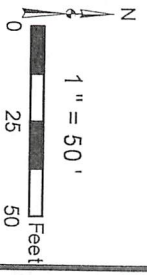
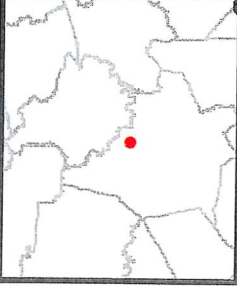
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

416291

Plugging Map

Legend

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

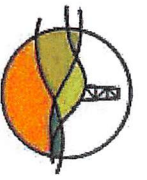


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41-0391-03591P

LEFT FORK RD

Well No.: 416291
UTM/83-17, Meters
North: 449430.89
East: 4229910.8
Elev.: 207.32



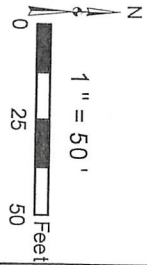
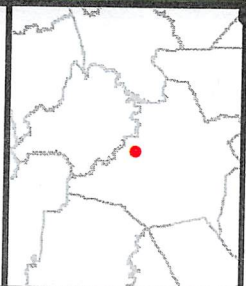
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

416291

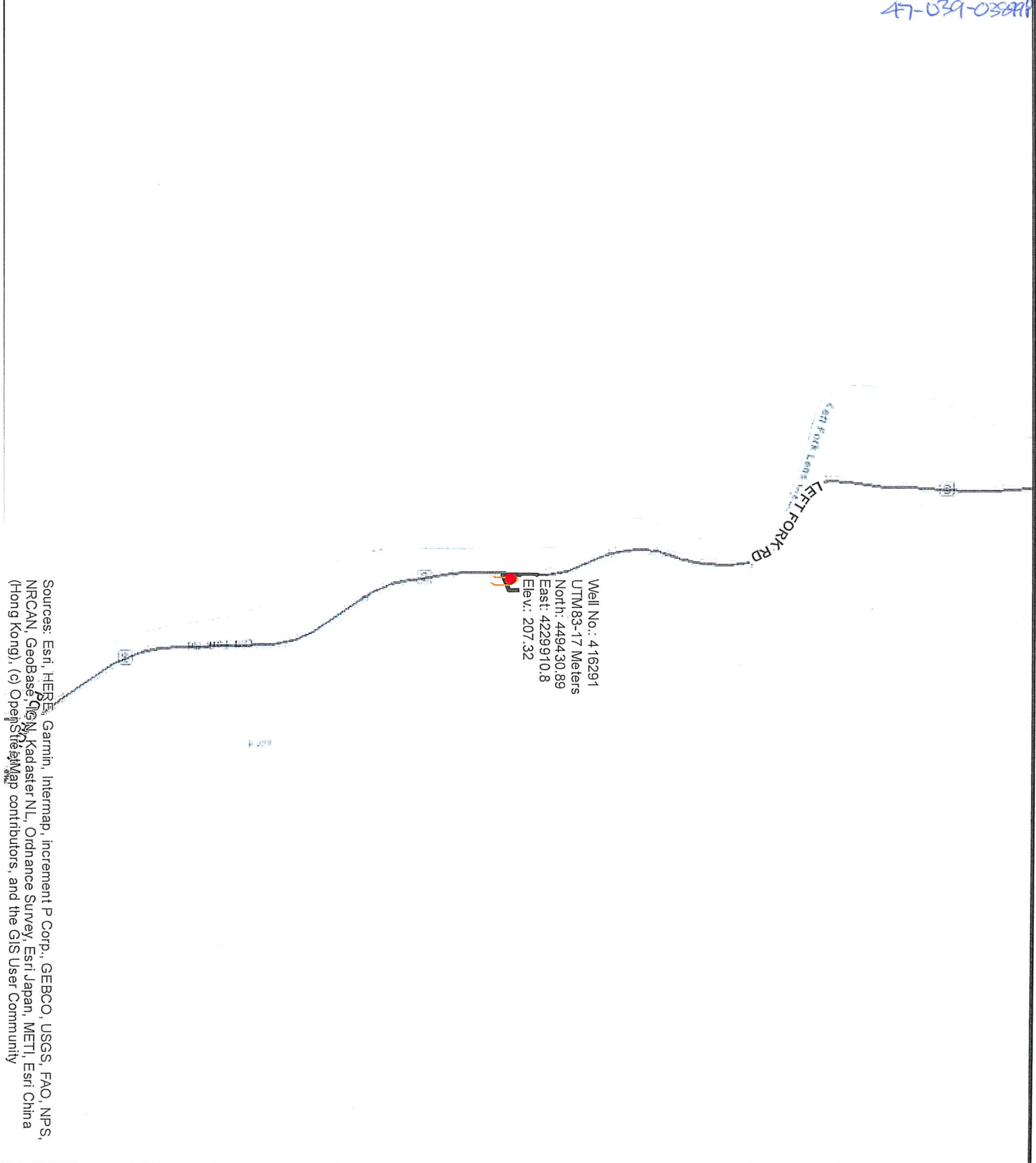
Plugging Map

Legend

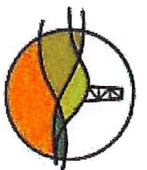
- Well
- ⊗ Sediment Control
- Access Road
- ▨ Pits
- ▭ Pad
- Public Roads



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



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



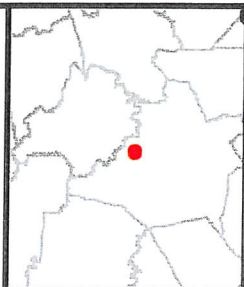
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

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Plugin g Map

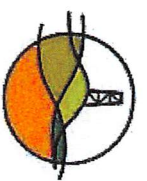
Legend

- Well
- ⊗ Sediment Control
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- Pad
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Sources: 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

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Plugging Map

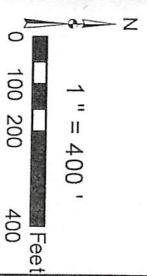
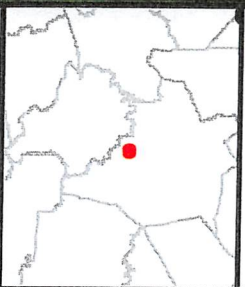
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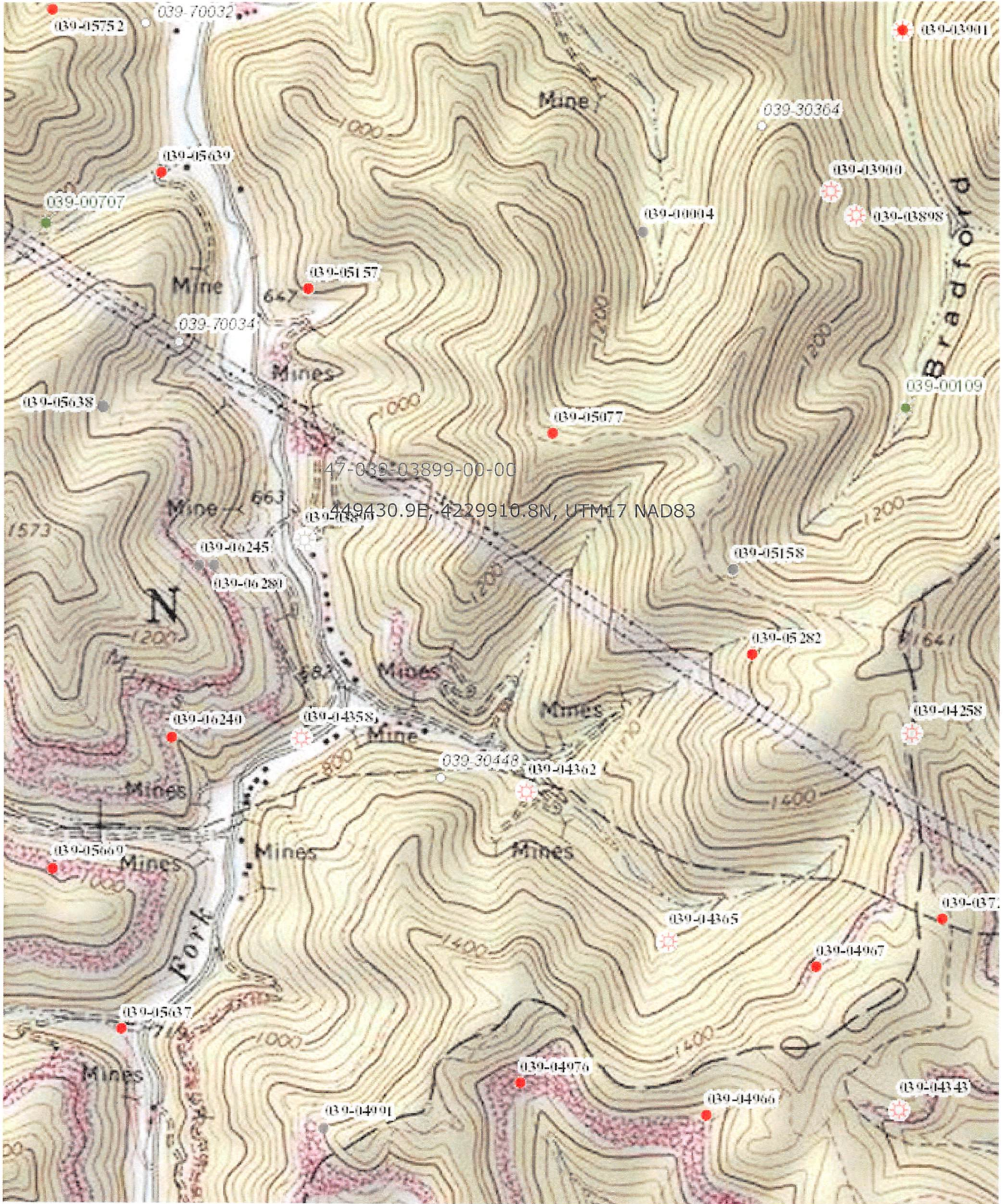
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Legend

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





WW-7
8-30-06



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

API: 47-039-03899 WELL NO.: 416291 W.A. Bradford 1

FARM NAME: W.A. Bradford

RESPONSIBLE PARTY NAME: Alliance Petroleum Corporation, LLC

COUNTY: Kanawha DISTRICT: Loudon

QUADRANGLE: Belle

SURFACE OWNER: John W. Peal

ROYALTY OWNER: Orlandi Inc.

UTM GPS NORTHING: 449,430.89

UTM GPS EASTING: 4,229,910.8 GPS ELEVATION: 207.32 meters

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

Engineer III
Title

8-20-19
Date

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