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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)

Wednesday, August 5, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 161701  
47-021-04099-00-00

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: 161701  
Farm Name: MANLEY JAMES ZINN  
U.S. WELL NUMBER: 47-021-04099-00-00  
Vertical Plugging  
Date Issued: 8/5/2020

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.

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### 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.

WV-4B  
Rev. 2/01

1) Date March 17, 2020  
2) Operator's  
Well No. 161701  
3) API Well No. 47-021-04099

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 353.76 m Watershed Pikecamp Run Fork (Horn Crk of Leading Crk of Little Kanawha River)  
District Troy County Gilmer Quadrangle Auburn
- 6) Well Operator Alliance Petroleum Company, LLC 7) Designated Agent Jessica Greathouse  
Address 414 Summers Street Address 414 Summers Street  
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Danny Mullins Name R & J Well Service, Inc.  
Address 220 Jack Acres Road Address P.O. Box 40  
Buckhannon, WV 26201 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

Danny Mullins

Date

3-20-2020

**PLUGGING PROGNOSIS**

161701

West Virginia, Gilmer County

API# 47-021-04099

Completed by S.T.

Updated 12/12/2019

**Casing Schedule**

8 5/8" csg @ 962' cemented to surface

4 1/2" csg @ 5927' cemented 560 sks. Estimated TOC @ 500' ?

TD 5991'

**Completion:** Frac Devonian Shale**Fresh Water:** 47'**Gas Shows:** Devonian Shale 5650'-5800'**Oil Show:** No shows**Coal:** No shows**Elevation:** 1127'

1. Notify Inspector, Danny Mullens @ 304-932-6844, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. TIH w/ tbg to 5650'. Load well as needed w/ 6% bentonite gel. Pump 250' C1A cement plug from 5800'-5550' (Devonian Gas Show). *WOC, TAG CEMENT, ADA CEMENT IF NEEDED.*
5. TOOH w/ tbg to 5550'. Pump 6% bentonite gel from 5550'-1127'. TOOH LD tbg
- ★ 6. Free Point 4.5" 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
7. TOOH w/ tbg to 1127'. Pump 215 C1A cement plug from 1127'- 912' (Elevation)
8. TIH w/ tbg to 912'. Pump 6% bentonite gel from 912'- 100'
9. TIH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface and fresh water).
10. Erect monument with API#, date plugged, and company name.
11. Reclaim location and road to WV-DEP specifications.

★ FREE POINT 4 1/2" CASING. IF FREEPOINT IS ABOVE 2000', THEN SET A MINIMUM 100' CLASS A CEMENT PLUG ACROSS OR ABOVE THE SPEECHLY AT ≈ 3200', INSIDE 4 1/2" CASING. gmm

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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
Devonian Shale - 5650 to 5800 - 2000 Gal. 15%Hcl  
1,000 MCF N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	2	
Sand & Shale			2	10	
Sand, Shale, Red Rock			10	392	Hole wet at 47'
Sand & Shale			392	450	1/4" stream fresh water
Sand, Shale, Red Rock			450	1940	
Little Lime			1940	1961	
Sand & Shale			1961	1983	
Big Lime			1983	2068	
Big Injun			2068	2130	
Sand & Shale			2130	3252	
Speechly Section			3252	3996	
Balltown Section			3996	4420	
Riley Section			4420	4814	
Benson			4814	4820	Gas Check at TD
Shale & Sand			4820	5036	30 - 1 w/w
Alexander			5036	5140	10 2
Shale			5140	5440	
Lower Elk			5440	5480	
Shale			5480	5991-TD	

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(Attach separate sheets as necessary)

Waco Oil & Gas Co., Inc.

Well Operator

By: Kenneth Greenlief Kenneth Greenlief, Agent

Date: December 5, 1983

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including those encountered in the drilling of a well."

47-021-04099 P

WW-4A  
Revised 6-07

1) Date: March 17, 2020  
2) Operator's Well Number 161701

3) API Well No.: 47 - 47-021 - 04099

**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>Manley James Zinn</u>	Name <u>None</u>
Address <u>8667 WV HWY 47 W</u>	Address _____
<u>Coxs Mill, WV 26342</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Manley James Zinn</u>
_____	Address <u>8667 WV HWY 47 W</u>
_____	<u>Coxs Mill, WV 26342</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Danny Mullins</u>	(c) Coal Lessee with Declaration
Address <u>220 Jack Acres Road</u>	Name <u>None</u>
<u>Buckhannon, West Virginia 26201</u>	Address _____
Telephone <u>304-932-6844</u>	_____

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator	<u>Alliance Petroleum Company, LLC</u>	RECEIVED Office of Oil and Gas  MAR 24 2020
By:	<u>Jeff Mast</u>	
Its:	<u>Director Production</u>	WV Department of Environmental Protection
Address	<u>414 Summers Street</u>	
	<u>Charleston, West Virginia 25301</u>	
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**

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Operator's Well  
Number

161701

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**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,

Manley Zimm Date 3-25-20 20  
Signature

Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_ Date \_\_\_\_\_

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



WW-9  
(5/16)

API Number 47 021-04099  
Operator's Well No. 161701

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

Operator Name Alliance Petroleum Company, LLC OP Code 494506333

Watershed (HUC 10) Pikecamp Run Fork (050302030204) Horn Crk of Leading Crk of Little Kanawha River Quadrangle Auburn

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 24 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.

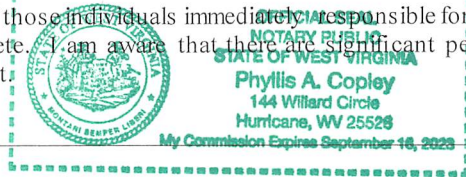
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 \_\_\_\_\_

Company Official (Typed Name) Jeff Mast

Company Official Title Production Director



Subscribed and sworn before me this 17th day of March, 2020

Phyllis A. Copley Notary Public

My commission expires: September 16, 2023

Form WW-9

Operator's Well No. 161701

1 +/-

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

Line 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	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:

*Danny Miller*

Comments:

Title:

*IG Inspector*

Date:

*3-20-2020*

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 LLC

Watershed (HUC 10): Pikecamp Run Fork HUC ID # 050302030204 (Horn Creek of Leading Creek of Little Kanawha River) Quad: auburn

Farm Name: Zinn C Lease

- 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 lined 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 Pikecamp Run Creek (861'). The discharge area is located in excess of 5 miles to the nearest 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.

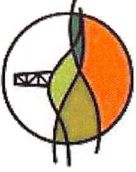
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

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: 4-13-2020

47-021-09099P








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

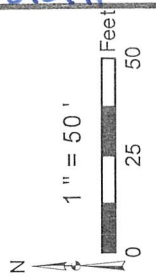
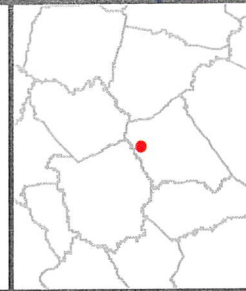
161701

Plugging Map

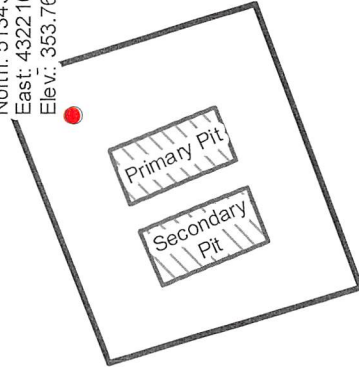
**Legend**

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

PIT => 295 PMS  
20' L x 10' W x 8' D



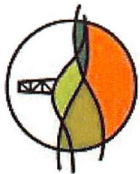
Well No.: 161701  
UTM83-17 Meters  
North: 513438.99  
East: 4322161.7  
Elev.: 353.76



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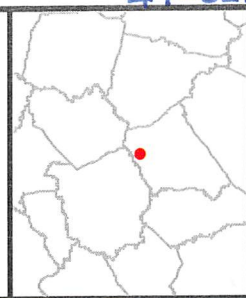
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

161701

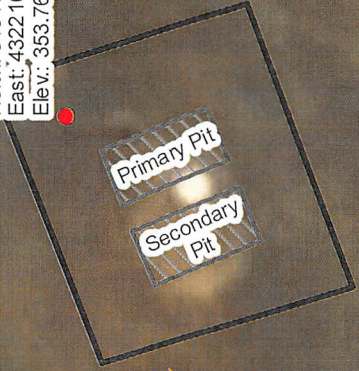
Plugging Map

**Legend**

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



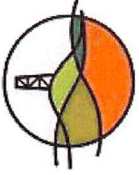
Well No.: 161701  
 UTM 183-17, Meters  
 North: 513438.99  
 East: 4322161.7  
 Elev.: 353.76



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

17-021-04099








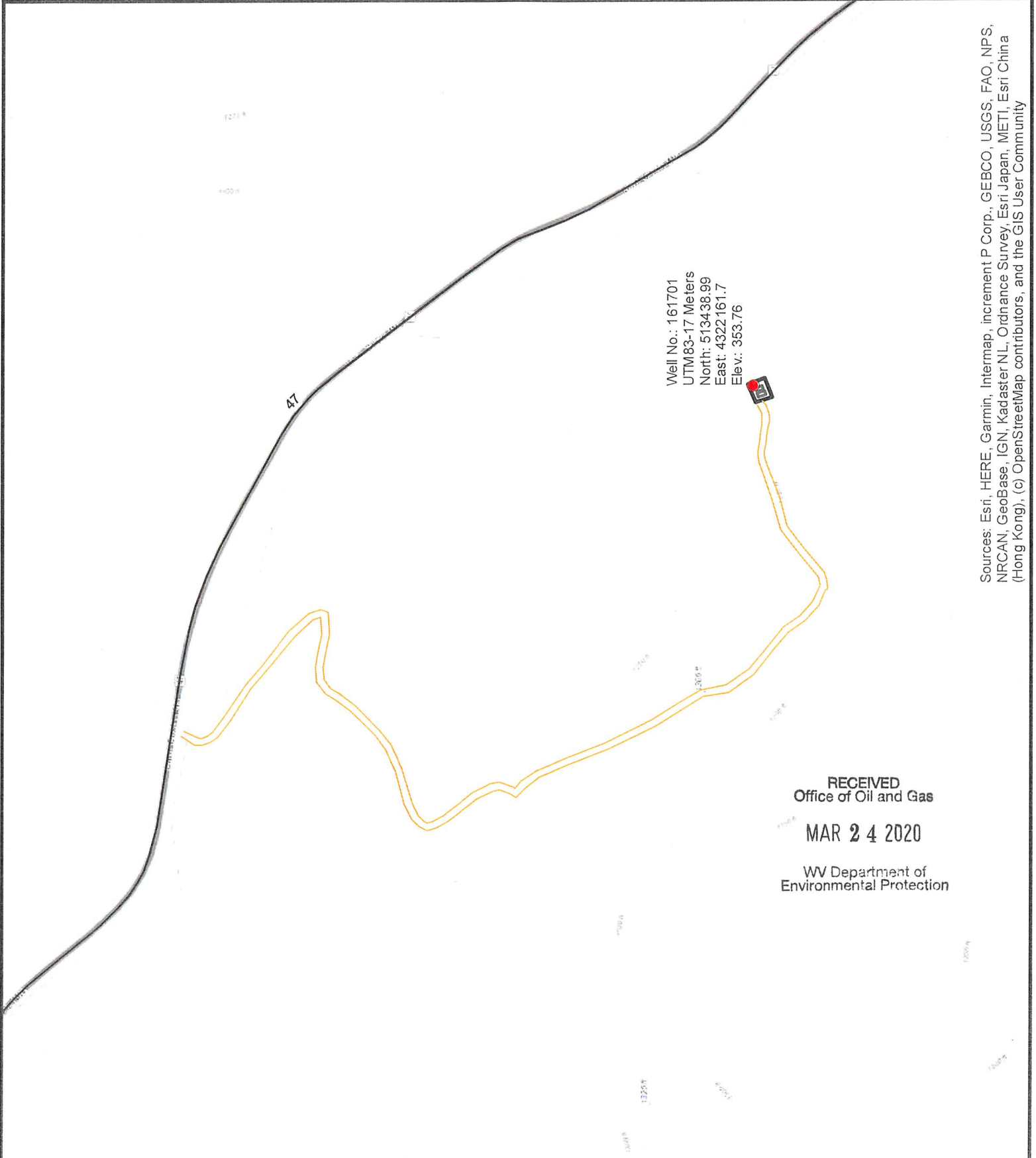
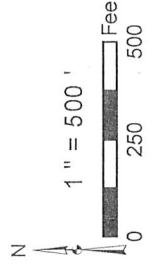
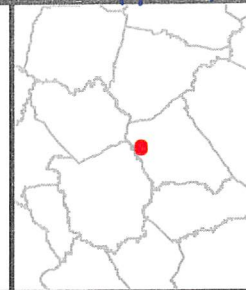
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

161701

Plugging Map

**Legend**

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

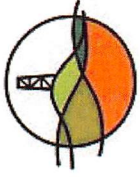


Well No.: 161701  
 UTM83-17 Meters  
 North: 513438.99  
 East: 4322161.7  
 Elev.: 353.76

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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

47-021-04099P








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

161701

Plugging Map

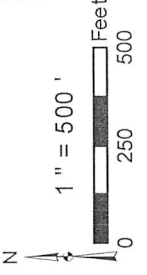
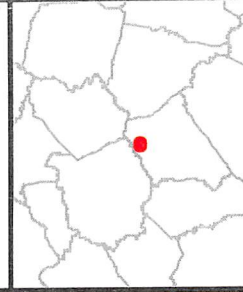
**Legend**

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

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MAR 24 2020

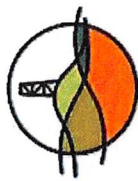
WV Department of  
Environmental Protection



Well No.: 161701  
 UTM 83-17, Meters  
 North: 513438.99  
 East: 4322161.7  
 Elev.: 353.76

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

161701

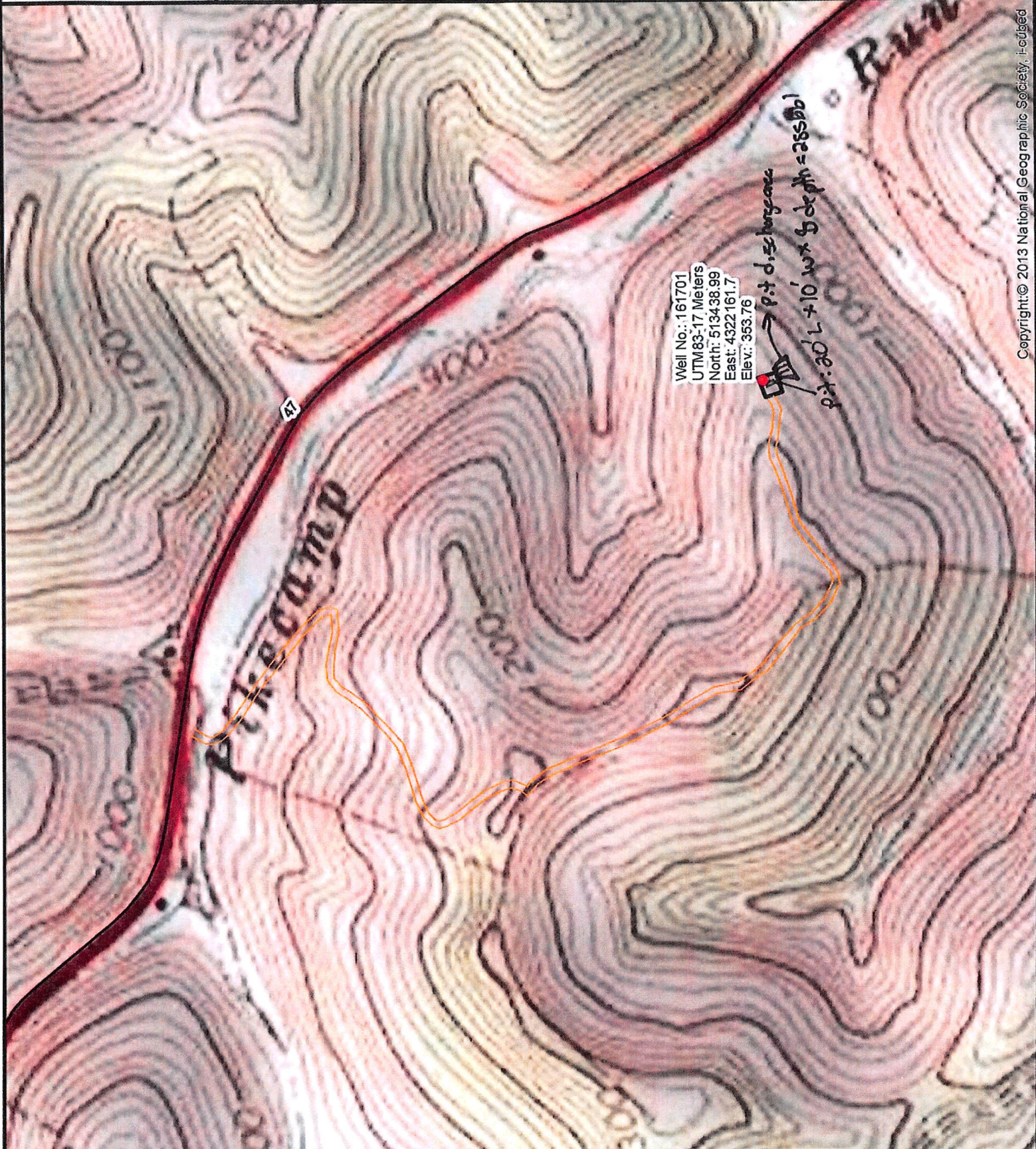
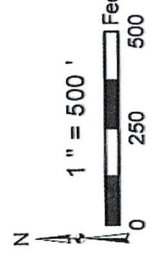
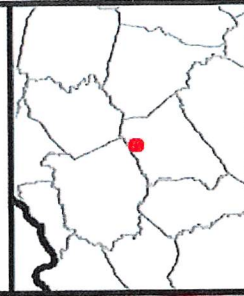
Plugging Map

API # 47-021-04099

Legend

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

Nearest wellhead  
Protection area  
11.1 mi.ks



47-021-04099 P

WW-7  
8-30-06



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

API: 47-021-04099 WELL NO.: 161701

FARM NAME: Zinn C Lease

RESPONSIBLE PARTY NAME: Alliance Petroleum Company LLC

COUNTY: Gilmer DISTRICT: Troy

QUADRANGLE: Auburn

SURFACE OWNER: Manley James Zinn

ROYALTY OWNER: Braxton Oil & Gas Inc and Manley James Zinn

UTM GPS NORTHING: 513,438.99 (1160')

UTM GPS EASTING: 4,322,161.7 GPS ELEVATION: 353.76 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 \_\_\_\_

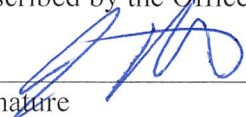
Real-Time Differential \_\_\_\_

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  
Title

3-17-2020  
Date

RECEIVED  
Office of Oil and Gas

MAR 24 2020

WV Department of  
Environmental Protection