



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, September 23, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR

JACKSON CITY, PA 16133

Re: Permit approval for 458671
47-005-00144-00-00

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: 458671
Farm Name: MITCHELL, W. H.
U.S. WELL NUMBER: 47-005-00144-00-00
Vertical Plugging
Date Issued: 9/23/2019

Promoting a healthy environment.

I

47-005-00144P

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.

47-005-00144P

WW-4B
Rev. 2/01

- 1) Date August 5, 2019
- 2) Operator's
Well No. 458671 Mitchell 7504
- 3) API Well No. 47-005 - 0144

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 ___
- 5) Location: Elevation 972 ft. Watershed Turtle Creek
District Washington County Boone Quadrangle Madison
- 6) Well Operator Alliance Petroleum Corporation, LLC 7) Designated Agent David Dean
Address 1997 Old Weston Rd. Address 1997 Old Weston Rd.
Buckhannon, WV. 26201 Buckhannon, WV. 26201
- 8) Oil and Gas Inspector to be notified Name Jeffery Smith
Address 5369 Big Tyler Road
Cross Lanes, WV. 25313
- 9) Plugging Contractor Name R and J Well Service
Address 1087 Raccoon 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.

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OK *g.wm*

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

458671

BOONE COUNTY, WEST VIRGINIA

API# 47-005-00144

BY: JM

DATE: 7/24/2019

Current Status**Csg Schedule**

- 13" csg @ 14'.
- 10" csg @ 184'
- 8 1/4" csg @ 923'
- 6 5/8" csg @ 1235'
- TD @ 1358'

Completion

- Not Shot

Fresh water @ 410'**Coal @ 251'- 253'****Gas Shows @ 1197', 1300', 1336'****Elevation 972'****Objective: Plug and abandon**

- 1) Prepare road and location.
- 2) MIRU service rig and support equipment.
- 3) Blow well down. Check TD.
- 4) TIH w/ tbg to 1285'. Kill well as need/ 6% bentonite gel. Pump 185' C1A cement plug from **1285' to 1100'**
- 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 below that 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 1100'. Pump 6% bentonite gel from **1100'- 972'**
- 7) TOOH w/ tbg to 972'. Pump 100' C1A cement plug from **972' to 872'**
- 8) 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
- 9) TIH w/ tbg to 735'. Pump 6% bentonite gel from **872' to 460'**.
- 10) TOOH w/ tbg to 460'. Pump 100' C1A cement plug from **460' to 360'**
- 11) TIH w/ tbg to 360'. Pump 6% bentonite gel from **360' to 303'**.
- 12) TOOH w/ tbg to 303'. Pump 100' C1A cement plug from **303' to 203'**

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- 13) 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
- 14) TOOH w/ tbg to 203'. Pump 235' C1A cement from **203' to Surface**.
- 15) Pull work string and top off w/cement.
- 16) Erect permanent monument (30" minimum height and 6" minimum diameter pipe) with API # (1/2" height numbering) and reclaim.

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7-26-50
 7-31-50
 8-3-50
 U. S. Lys
 Drilling Contractor
 Drilling Contractor
 Pool Dresser
 (See Page)
 (See Page)
 No. 0000, Sig. 000
 Kennedy, Noah V. Amos, Inc.

Formation	Top of Case End of Well	TOP	BOTTOM	Steel Line Measurement	Water Level Depth	Oil Level Depth	Gas Level Depth	REMARKS
Walrus Coal		851	855	855	110			
Pittsburgh Coal								
Little Dunbar								
Big Dunbar								
Gas Sand								
First Sand	Large	863	875					
Second Sand	Large	875	880	875	100			
Third Sand	Large	1015	1020	1015	1000			
Mason		1100	1140					
Little Line		1172	1185					
Prudell Cove		1183	1186					
Big Line		1186		1197				
Kemper				1300				
Big Injun				1330				
Squaw								
Weir								
Ikwa								
Ganic								
Fifty Foot								
Thirty Foot								
Gordon Stray								
Gordons								
Fourth								
Fifth								
Total Depth				1330	Not through Big Line			

Note: 8" Casg. shu
 all water above 91'

1 gallon per hr
 1 gallon per hour

1197 2/10 W. 1" org. M
 1300 2/10 V. 1"
 1334 20/10 X 6 5/8

Size	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well End of Use		Steel Line Measurement		REMARKS
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Casg.	14														Could not pull Parted
10" "	302	3	227		45		184		17	5	58	9	226	6	
8 1/2" "	1111	3	923				923		125	10	62	4	918		
6 1/2" "	1318	1	1233				1233		80		68	1	1223		
5 1/2" "															
4 1/2" "															
3 1/2" "															
2 1/2" "															
1 1/2" "															
1 1/4" "															
1 1/8" "															
1 1/16" "															

PACKER RECORD

SIZE	KIND	Amount Added	Amount Above Anchor	REMARKS
8 1/2" X 6 5/8	Bottom Hole Packer	6 ft	1223	Steel shoe on 10" bit 5" set in 20 ft. and anchor pkr and steel shoe on bottom of 6

SHOOTING RECORD (If shot before or upon completion of well)

DATE	Time	Top of Well	Bottom of Well	Pressure	Shot	TEST BEFORE SHOT			TEST AFTER SHOT			Test taken after shot	By	
						Reading	Liquid	Quantity	Reading	Liquid	Quantity			

CEMENTING RECORD

Date Cemented..... Size Hole Cemented..... Size Casing Cemented.....
 Top Pittsburgh Coal..... Top Cementing..... Amount Cement Used.....
 Bottom Pittsburgh Coal..... Bottom Cementing..... Amount Sand Used.....
 8" Casg set in 20' of blue clay and water was shot off
 8 1/2" Packer run on 8" and put in around it for 20 feet.

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 Department of

V. J. Slater

Approved.....

47-005-00144 P

Boo-144

Ben Pauley

N46°20'W
334'

Hy Pts on top ridge

Sugar Stump & Pts

S.73°15'W. 193'

N.21°30'E. 269'

N.35°40'E. 177'

S.75°24'W. 282'

N.32°15'E. 239'

Hy. Pts

N.29°45'E. 135'
DWPIT

S.80°36'W. 711'

N.59°40'E. 274'

S.9°24'E. 400'

Chas. M. Ball

7504

Ele. 970.43'

N.89°30'W. 38'

276'

W.O.

N.54°00'E. 170'

I.O.

N.87°30'W. 24-P

Stake

N.85°14'E. 668'

C.P. Baker
&
A.J. Miller

N.88°00'W. 230-P

Gun

Stone

S.87°15'W. 7-P
Stake

S.85°45'W. 19.2-P

N.16°15'E. 467'

N.62°30'W. 8-P

W. H. Mitchell

993

Lease No 41890

N.69°00'W. 83-P

N.61°45'W. 13.6-P

S.79°45'E. 569'

W & Bush

N.58°15'

(Distance in feet Surveyed
Distance in Poles taken
from Coal Deed.)

N.57°15'W. 9.1-P

N.59°30'W. 6.8-P

N.57°30'W. 10.1-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

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N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

N.57°15'W. 19.8-P

John A. Pauley

Augustus Miller

ENGINEER - CERTIFICATE

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Department of Environmental Protection
AUG 12 2019
July 1 2017

I, the undersigned, hereby certify that this map or plan shows the information best of my knowledge and belief, required by the oil and gas section of the WV Department of Environmental Protection



WW-4A
Revised 6-07

1) Date: 8-5-2019
2) Operator's Well Number
458671 (Mitchell 7504)

3) API Well No.: 47 - 005 - 00144

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 Ronald V. and Damsel Stollings ✓
Address P.O. Box 10, 62 Damsel Lane
Turtle Creek, WV. 25203

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator
Name Robert Mitchell, Et. al ✓
Address P.O. Box 399
Lake Lure, NC. 28746-0399

(b) Coal Owner(s) with Declaration
Name No Declarations
Address _____

(c) Coal Lessee with Declaration
Name _____
Address _____

6) Inspector Jeffery L. Smith
Address 5369 Big Tyler Road
Cross Lanes, WV. 25313
Telephone 681-313-25313

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.

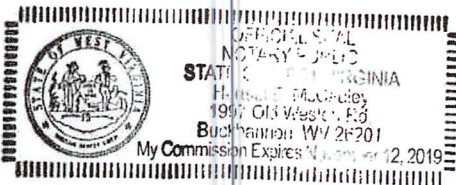
Well Operator Alliance Petroleum Corporation, LLC

By: David Dean *David Dean*

Its: Executive VP Production

Address 1997 Old Weston Road
Buckhannon, WV. 26201

Telephone 304-471-2319



Subscribed and sworn before me this 2nd day of August 2019
Hartel E McCauley Notary Public
My Commission Expires November 12, 2019

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Office of Oil and Gas
AUG 12 2019

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a regulatory duty. 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 - 005 - 00144 P
Operator's Well No. 458621

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) Turtle Creek Quadrangle Madison 7.5

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.? 20

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 Executive VP Production

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Subscribed and sworn before me this 2nd day of August, 2019

Hartsel E McCauley

My commission expires November 12, 2019



WV Department of Environmental Protection
OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Hartsel E. McCauley
1997 Old Weston Rd.
Buckhannon WV 26201
My Commission Expires November 12, 2019

47-005-00144P

Form WW-9

Operator's Well No. _____

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 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: _____

Comments: _____

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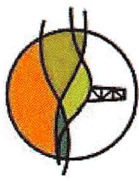
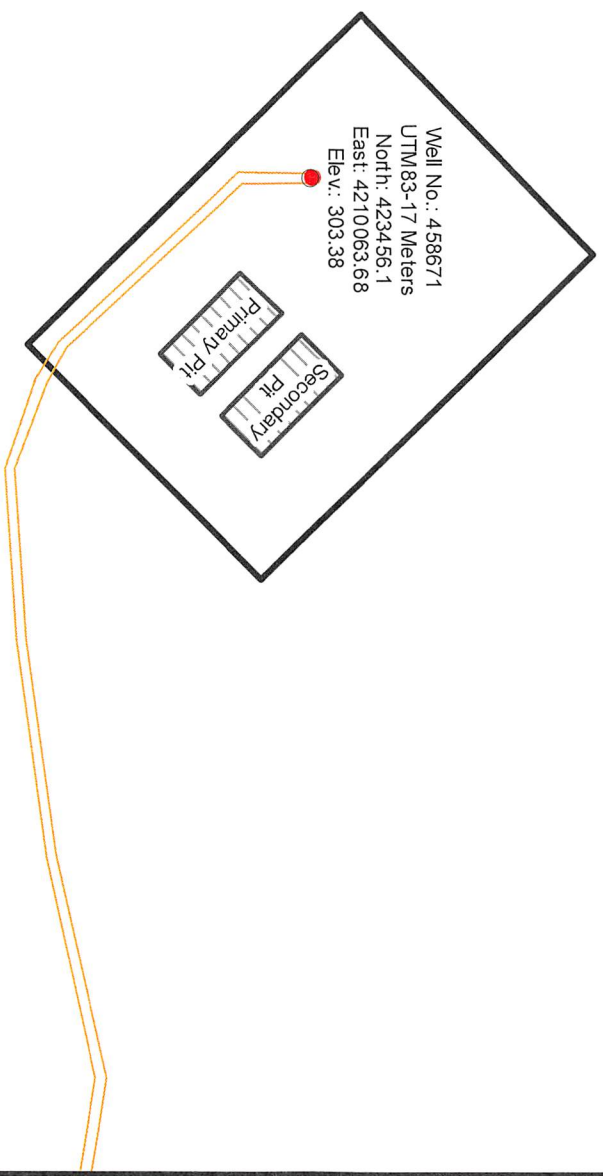
Title: _____

Date: _____

Field Reviewed? () Yes () No

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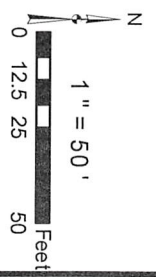
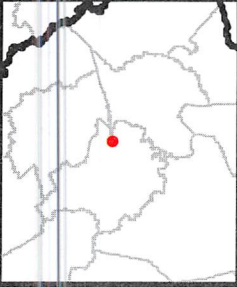
Diversified Gas & Oil
 Corporation
 100 Diversified Way
 Pikeville KY, 41051

458671

Plugging Map

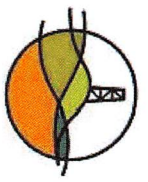
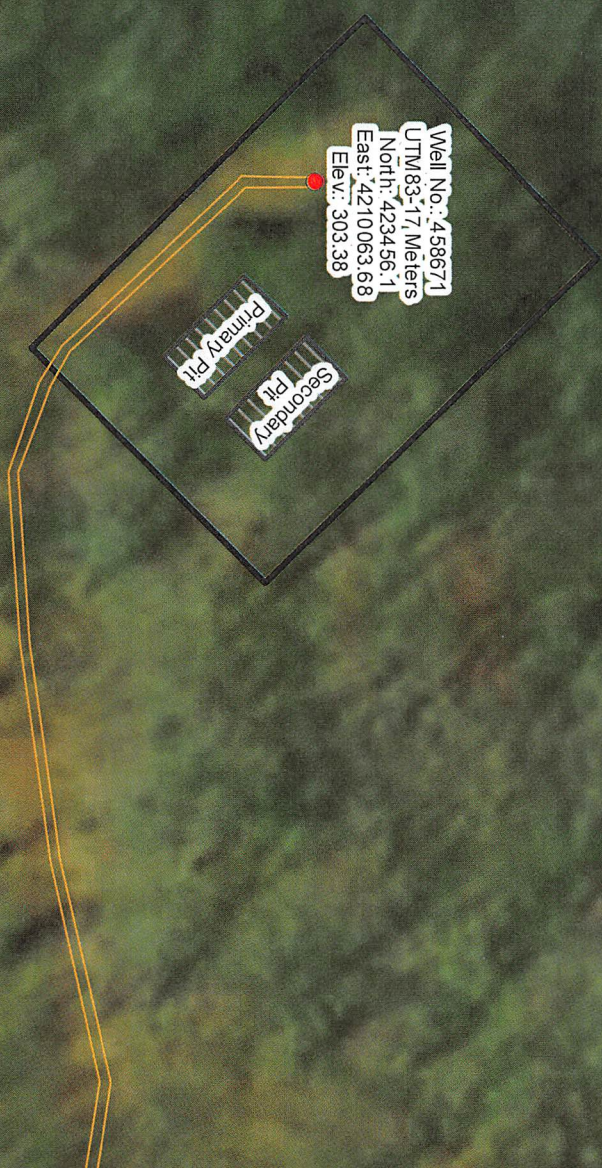
Legend

-  Well
-  Sediment Control
-  Access Road
-  Pits
-  Pad



47-005-00144P

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19
WV Department of Environmental Protection
to the Director
6/20/2019








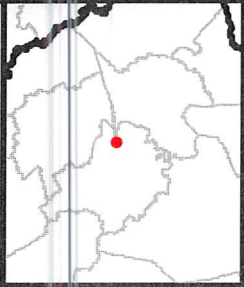
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

458671

Plugging Map

Legend

-  Well
-  Sediment Control
-  Access Road
-  Pits
-  Pad

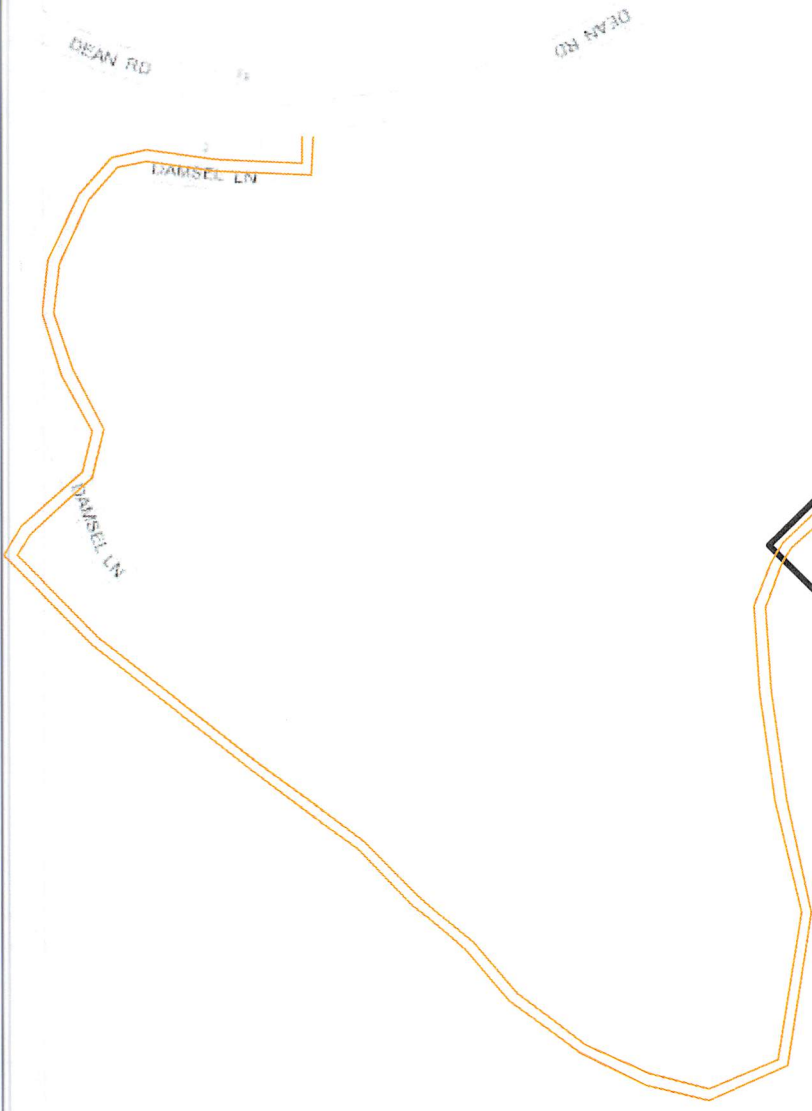


Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

47-005-00144P

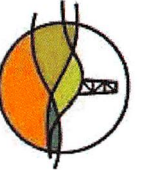
Three Creek

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Well No.: 458671
UTM83-17 Meters
North: 423456.1
East: 4210063.68
Elev.: 303.38

Secondary Pit
Primary Pit



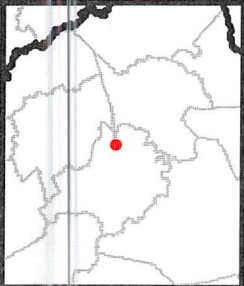
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

458671

Plugging Map

Legend

- Well
- Sediment Control
- Access Road
- Pits
- Pad

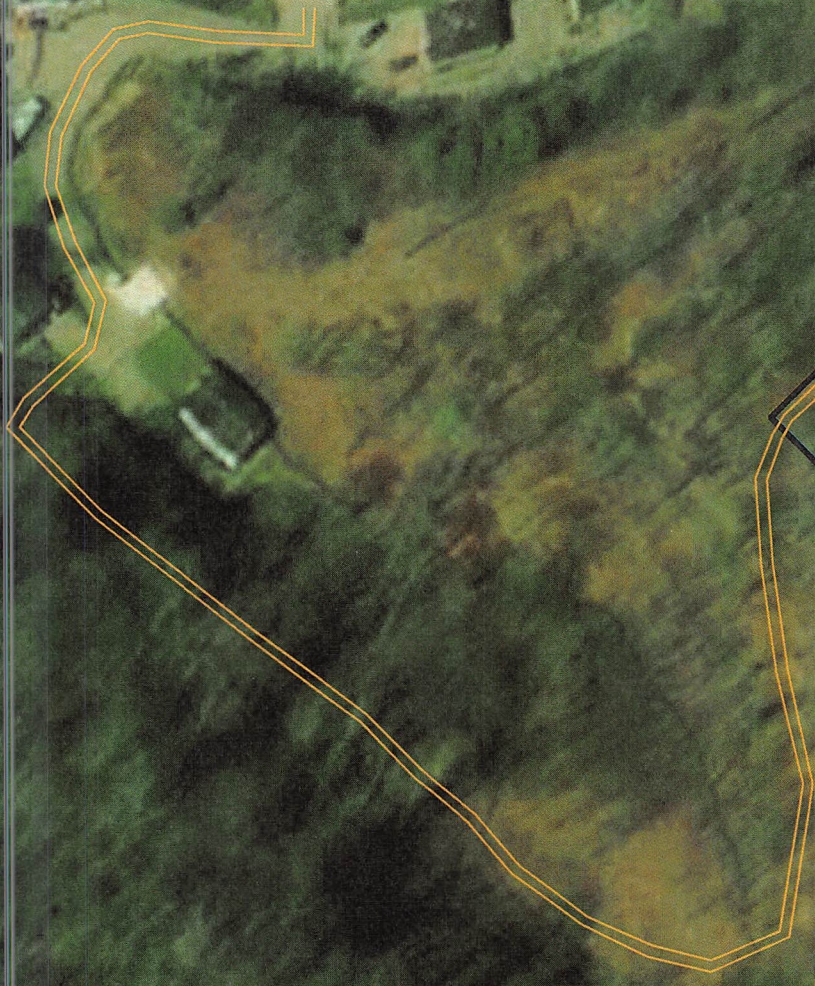


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

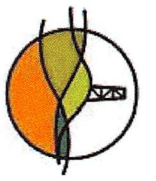
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Environmental Protection

Well No: 458671
UTM83-17, Meters
North: 423456.1
East: 4210063.68
Elev: 303.38

Secondary Pit
Primary Pit



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








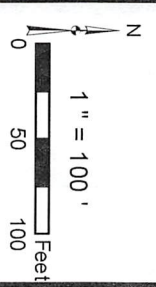
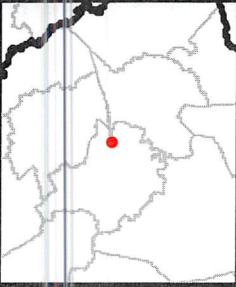
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

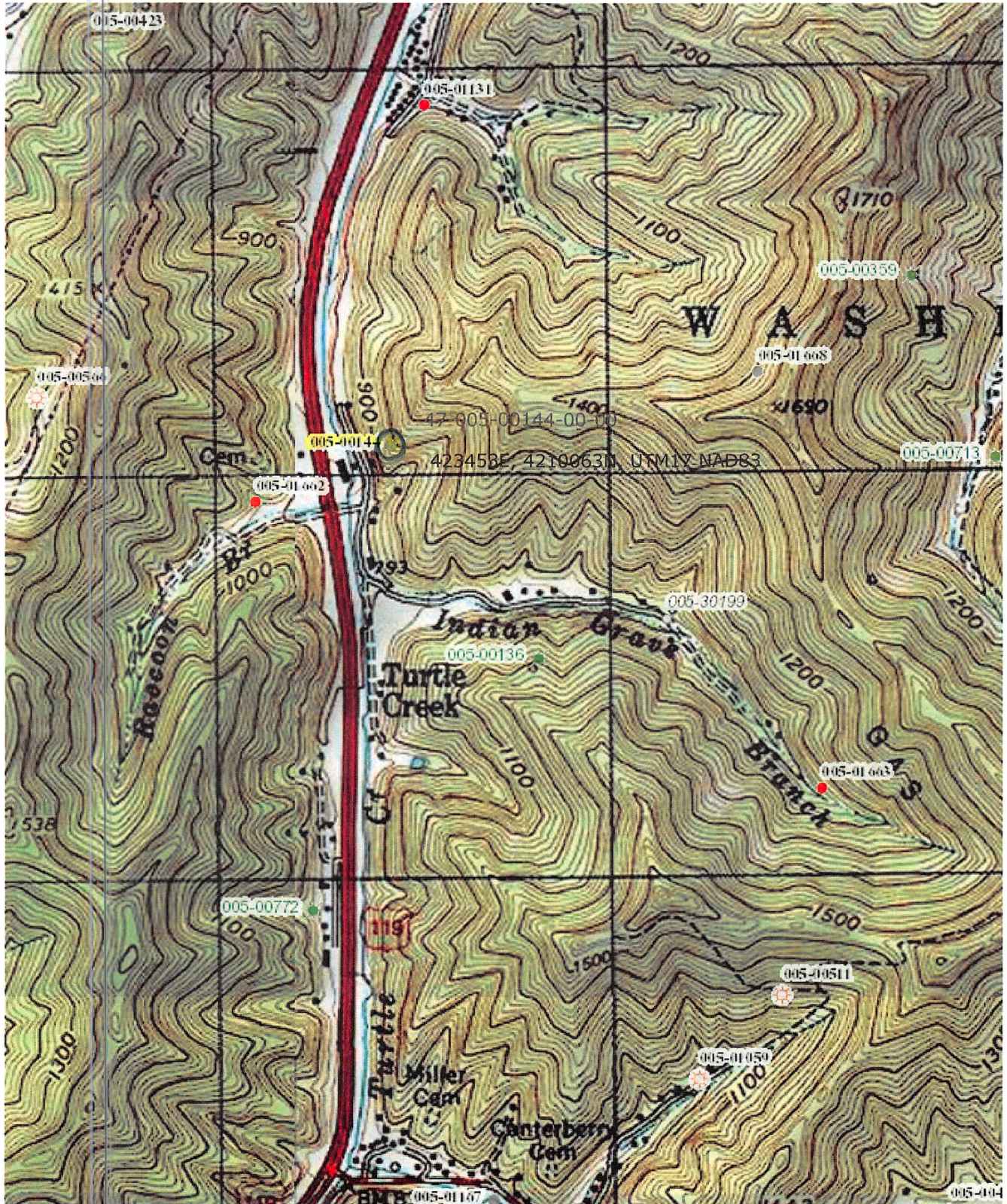
458671

Plugging Map

Legend

-  Well
-  Sediment Control
-  Access Road
-  Pits
-  Pad





WW-7
8-30-06



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

API: 47-005-00144 WELL NO.: 458671

FARM NAME: W.H. Mitchell 7504

RESPONSIBLE PARTY NAME: Alliance Petroleum Co. LLC

COUNTY: Boone DISTRICT: Washington

QUADRANGLE: Madison 7.5

SURFACE OWNER: Ronald and Damsel Stollings

ROYALTY OWNER: Robert Mitchell, Et al

UTM GPS NORTHING: 4210063

UTM GPS EASTING: 423453 GPS ELEVATION: 296 m (972)

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 [Handwritten Signature]

Engineer III
Title

8-6-19
Date

RECEIVED
Office of Oil and Gas
AUG 12 2019
WV Department of
Environmental Protection