



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

Thursday, February 13, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DR

JACKSON CITY, PA 16133

Re: Permit approval for 7 (031450)
47-039-01791-00-00

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

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

Operator's Well Number: 7 (031450)
Farm Name: BRIAR MTN. C & C
U.S. WELL NUMBER: 47-039-01791-00-00
Vertical Plugging
Date Issued: 2/13/2020

I

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.

1) Date January 23, 2020
2) Operator's
Well No. 031450
3) API Well No. 47-039 - 01791 P

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil / Gas X / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow X

5) Location: Elevation 750.58 m Watershed Cabin Creek
District Cabin Creek County Kanawha Quadrangle Montgomery

6) Well Operator Alliance Petroleum Corporation 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 & J Well Service, Inc.
Address P.O. Box 1207 Address P.O. Box 40
Clendenin, WV 25045 Hueysville, KY 41640-0040

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

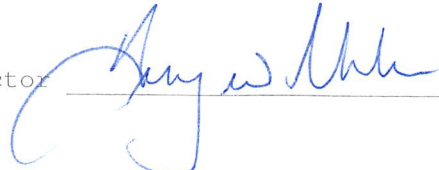
SEE ATTACHED SHEET

RECEIVED
Office of Oil and Gas

FEB 4 2020

WV Department of
Environmental Protection

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

Work order approved by inspector  Date 2-4-20

PLUGGING PROGNOSIS

031450

West Virginia, Kanawha County

API # 47-039-01791

Casing Schedule

13 3/8" csg @ 20'

8 5/8" csg @ 1789'

4 1/2" csg @ 3360'

2 3/8" tbg @ 3247'

Completion

- Weir: 3235' - 3285'

Fresh Water: None reported**Gas Shows:** 3250' - 3270'**Oil Shows:** None Reported**Elevation:** 2015'**Coal:** 60', 151', 231', 359', (offset 039-01791 & adjusted for elevation)

1. Notify inspector, Terry Urban @ 304-549-5915, 48 hrs. prior to commencing operations.
2. Check and record pressure on tbg/csg.
3. TOOH w/ tbg. Tally and inspect
4. TIH w/ tbg to 3235'. Kill well w/ 6% bentonite gel, 10 bbl minimum. Pump 150' CIA cement plug 3285' - 3135' (Weir Completion)
5. TOOH w/ tbg to 3150'. Pump 6% bentonite gel from 3135' - 2015'.
6. TOOH w/ tbg. Free point 4 1/2" csg and cut 4 1/2" csg. Set 100' CIA cement plug across the csg cut. 50' in/out of cut.
7. TOOH w/ tbg to 2015'. Pump 100' CIA cement plug from 2015' - 1915' (Elevation)
8. TOOH w/ tbg to 1915'. Pump 6% bentonite gel from 1915' - 1839'
9. TOOH w/ tbg to 1839'. Pump 100' CIA cement plug from 1839' - 1739' (8 5/8" csg seat)
10. TOOH w/ tbg to 1739'. Pump 6% bentonite gel from 1739' - 409'
11. TOOH w/ tbg. Free point 8 5/8" csg and cut 8 5/8" csg. Set 100' CIA cement plug across the csg cut. 50' in/out of cut.
12. TOOH w/ tbg to 409'. Pump 409' CIA cement plug from 409' - surface (coal)
13. Erect monument with API#, date plugged, & company name.
14. Reclaim location and road to WV-DEP specifications.

Terry Urban
2.4.20

Well 031450
API 47-039-01791

47-039-01791A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Montgomery

Permit No. KAN-1791

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Producing Company, Inc.
 Address Box 1913, Charleston 27, West Virginia
 Farm Briar Mountain Coal & Coke Co. et al 3085.26
 Location (waters) Trace Fork of Cabin Creek
 Well No. 7-A (3145) Elev. 2015.4' Grigs
 District Cabin Creek County Kanawha
 The surface of tract is owned in fee by Briar Mountain Coal and Coke Co. et al Address Box 831, Charleston 23, W. Va.
 Mineral rights are owned by Same Address _____
 Drilling commenced July 27, 1961
 Drilling completed August 9, 1961
 Date Shot _____ From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
1 3/8"	20'	20'	
10			Size of
8 5/8"	1789'	1789'	
6 3/4"			Depth set
6 3/16"			
4 1/2"	3360'	3360'	Perf. 4 1/2" casing
2			Perf. top 3235'
			Perf. bottom 3267'
			Perf. top 3273'
			Perf. bottom 3285'

CASING CEMENTED 1 3/8" 20'
8 5/8" SIZE No. Ft. _____ Date _____
4 1/2"

COAL WAS ENCOUNTERED AT 60 FEET 2 1/2 INCHES
 FEET _____ INCHES FEET _____ INCHES
 FEET _____ INCHES FEET _____ INCHES

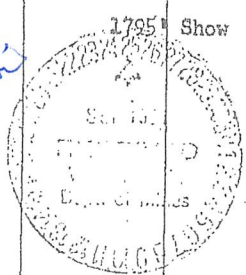
WELL FRACTURED 8-29-61 with 500 gals. mud acid, 30,000 lbs. sand & 533 bbls. treated water.

RESULT AFTER TREATMENT Final open flow 4 1/10 Merc. side static - 11,150,000 cu. ft. - Weir

ROCK PRESSURE AFTER TREATMENT 7 days - 720 p.s.i.

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	60			
Coal			60	62			
Sand & Shale			62	350			
Sand			350	425			
Sand & Shale			425	945			
Sand			945	1475			
Sand & Shale			1475	1515			
Sand			1515	1785			
Sand & Shale			1785	1850	Water		
Salt Sand			1850	1928			1795' Show
Sandy Lime & Shale			1928	2015			
Red Rock and Shale			2015	2155			
Sand			2155	2200			
Lime & Shale			2200	2230			
Red Rock, Shale & Lime			2230	2655			
Little Lime			2655	2680			
Shale			2680	2750			
Big Lime			2750	3135			
Injun Sand			3135	3174			
Sandy Lime Shells & Shale			3174	3235			
Weir Sand			3235	3330	Gas	3250-3270'	2,100MCF
Slate			3330	3360'			
TOTAL DEPTH				3360'			



WW-4A
Revised 6-07

1) Date: January 23, 2020
2) Operator's Well Number
031450

3) API Well No.: 47 - 47-039 - 01791

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 Penn Virginia Coal Company
Address 7 Sheridan Square, Suite 400
Kingsport, Tennessee 37660
(b) Name Briar Mountain Coal and Coke
Address 13905 McCorkle Avenue
Chesapeake, West Virginia 25315
(c) Name _____
Address _____
6) Inspector Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
Telephone 304-549-5915

5) (a) Coal Operator
Name Contura Energy
Address 300 Running Right Way
Julian, West Virginia 25529
(b) Coal Owner(s) with Declaration
Name Penn Virginia Coal Company
Address 7 Sheridan Square, Suite 400
Kingsport, Tennessee 37660
Name Briar Mountain Coal and Coke
Address 13905 McCorkle Avenue
Chesapeake, West Virginia 25315
(c) Coal Lessee with Declaration
Name Contura Energy
Address 300 Running Right Way
Julian, West Virginia 25529

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

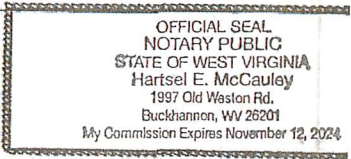
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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
By: *David De...*
Its: Vice President Production
Address 1997 Old Weston Road
Buckhannon, WV 26201
Telephone 304-614-2963

Subscribed and sworn before me this 24th day of January 2020
Hartsel E. McCaulley Notary Public
My Commission Expires November 12, 2024



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.

47-039-01791P

WW-9
(5/16)

API Number 47 - ¹⁷⁹¹ 039-03027
Operator's Well No. 031450

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

Operator Name Alliance Petroleum Corporation OP Code 494506333

Watershed (HUC 10) Cabin Creek Quadrangle Montgomery

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 Any fluid recovered will be hauled and disposed of properly)

TU

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 Vice President Production

Subscribed and sworn before me this 24th day of January, 2020

Hartsel E. McCauley Notary Public

My commission expires: November 12, 2024



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

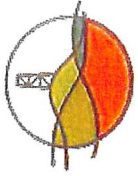
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Inspect Oil Cess Date: 2-4-20

Field Reviewed? () Yes () No








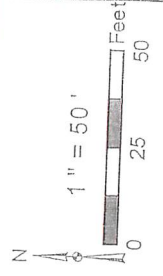
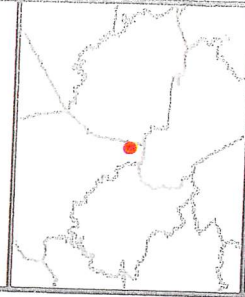
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

031450

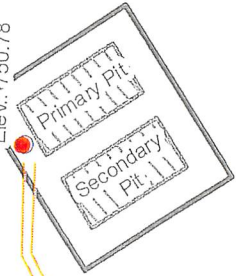
Plugging Map

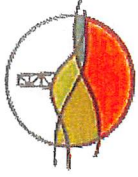
Legend

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



Well No.: 031450
 UTM83-17 Meters
 North: 465882.24
 East: 4208067.48
 Elev.: 750.78










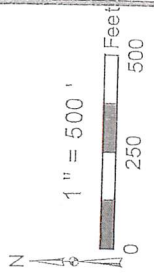
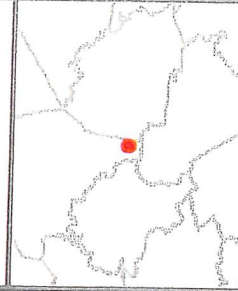
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

031450

Plugging Map

Legend

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

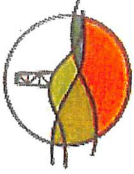


Well No.: 031450
 UTM83-17 Meters
 North: 466882.24
 East: 4208067.48
 Elev.: 750.78



CARBON RD
 Republic
 Decata

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








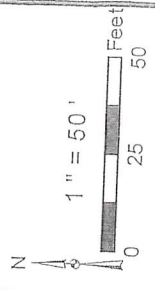
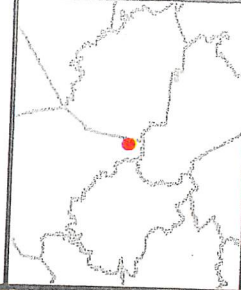
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

031450

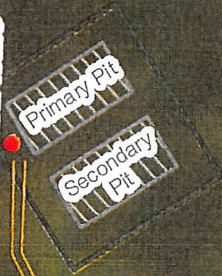
Plugging Map

Legend

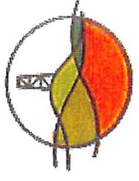
-  Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



Well No.: 031450
 UTM83-17, Meters
 North: 465882.24
 East: 4208067.48
 Elev.: 750.78








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

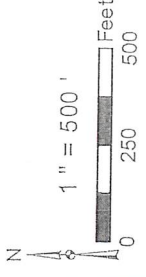
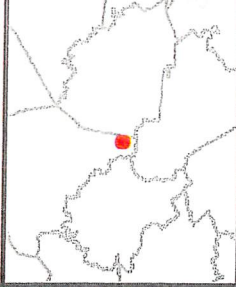


Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

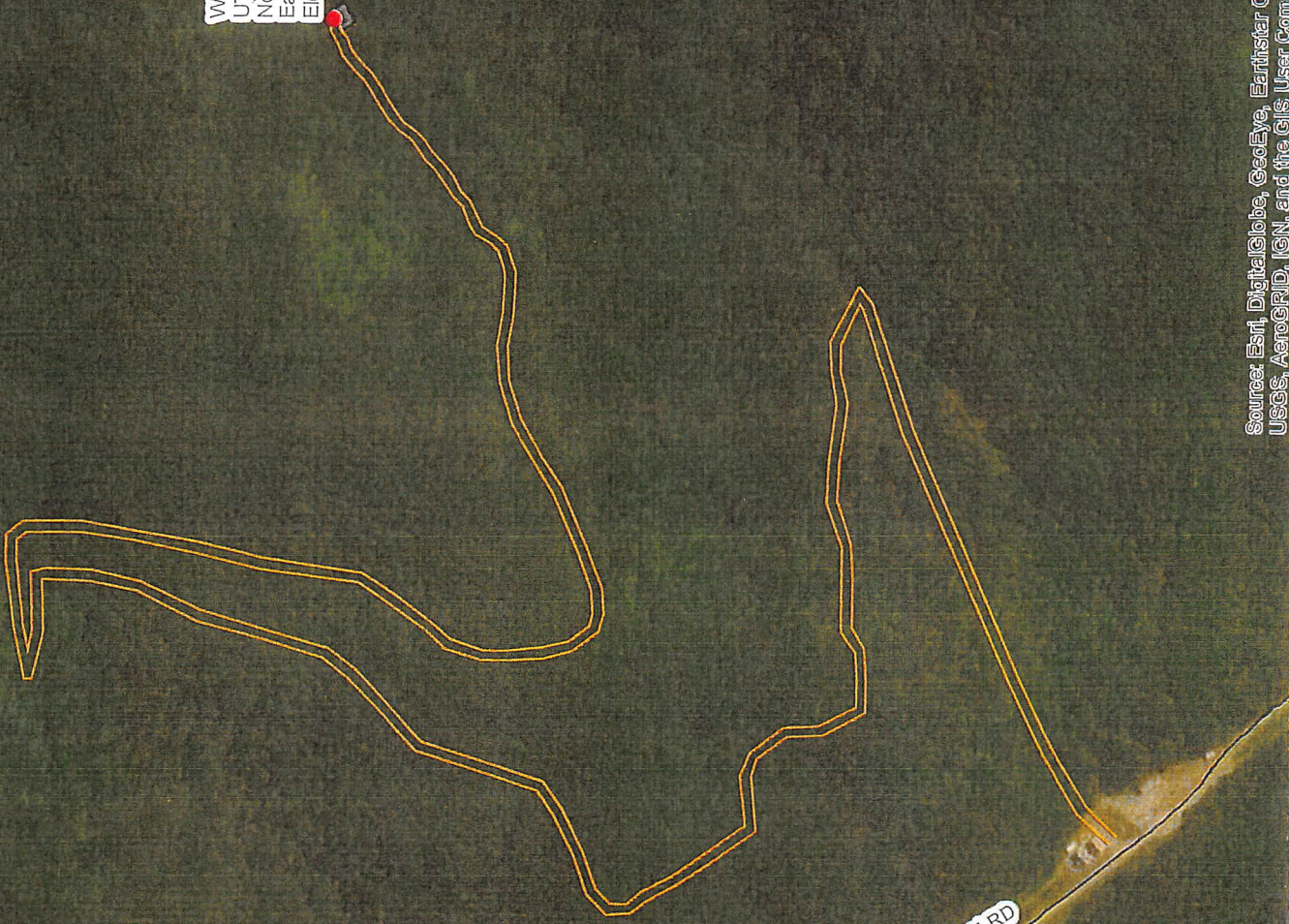
031450
Plugging Map

Legend

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

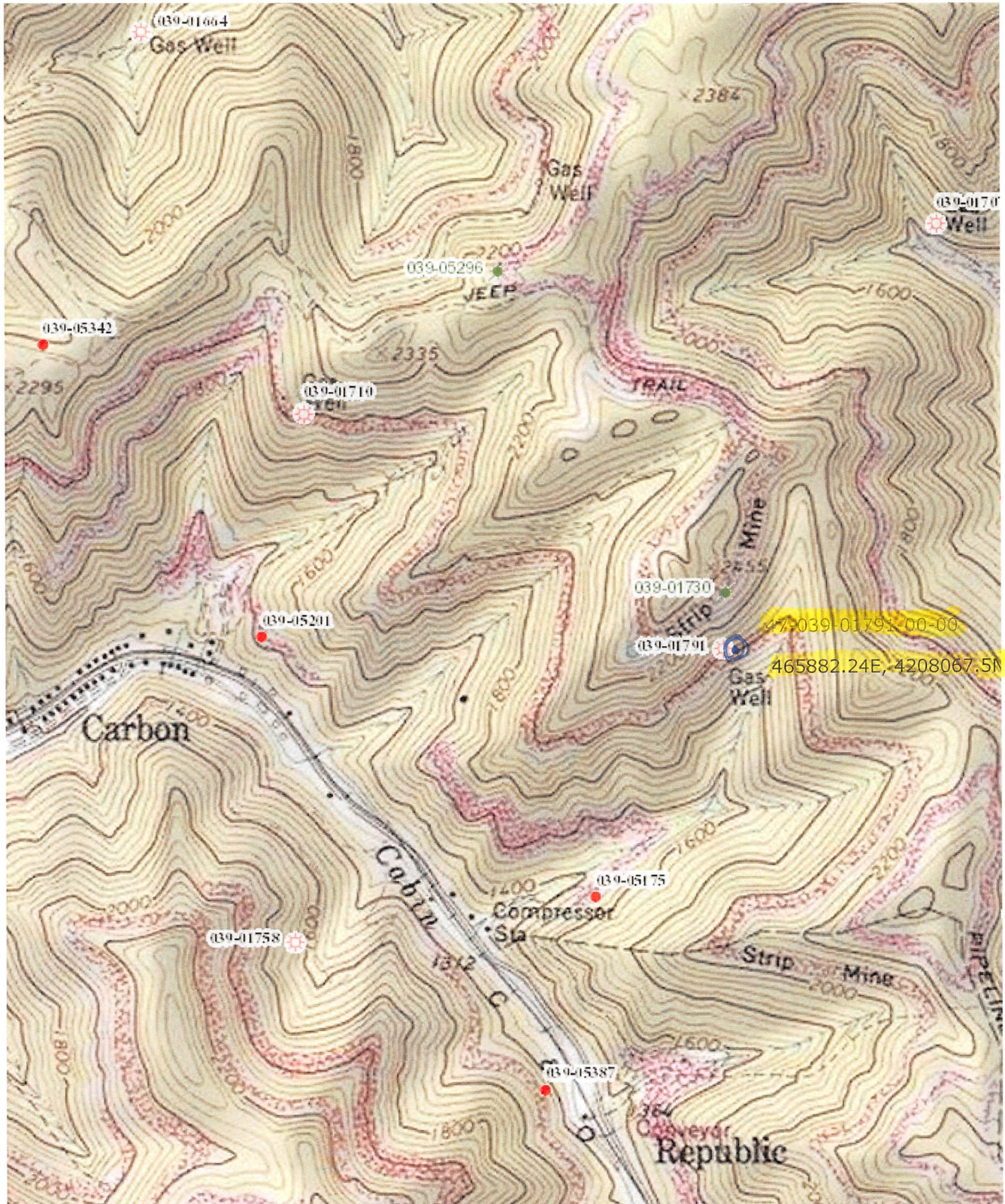


Well No.: 031450
 UTM(83): 17, Meters
 North: 465882.24
 East: 4208067.48
 Elev.: 750.78



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

47-039-01791P



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-039-01791 WELL NO.: 031450

FARM NAME: Briar Mountain Coal & Coke Co.

RESPONSIBLE PARTY NAME: Jeff Mast

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Montgomery

SURFACE OWNER: Penn Virginia Coal Co. & Briar Mtn. Coal and Coke

ROYALTY OWNER: Penn Virginia Coal Co.

UTM GPS NORTHING: 465,882.24

UTM GPS EASTING: 4,208,067.48 GPS ELEVATION: 750.78 m (2015')

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 : Post Processed Differential

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.

 Engineer III 1/30/2019
 Signature Title Date