



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, May 25, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 6441
47-109-02353-00-00

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.

A blue ink signature of James A. Martin, Chief.

James A. Martin
Chief

Operator's Well Number: 6441
Farm Name: POCAHONTAS LAND CORP.
U.S. WELL NUMBER: 47-109-02353-00-00
Vertical Plugging
Date Issued: 5/25/2021

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 within two years of the date of issuance of this permit.

4710902353P

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 Liquid injection / waste disposal
(If "Gas, Production" or Underground storage Deep / Shallow

5) Location: Elevation 3,048 ft Watershed Barkers Creek
District Barkers Ridge County Wyoming Quadrangle Rhodell

6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gary Kennedy Name Diversified Production, LLC (In House Rig)
Address 66 Old Church Lane Address 1951 Pleasant View Ridge Road
Pipestem, WV 25979 Ravenwood, WV 26164

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

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

Work order approved by inspector *Gary Kennedy* Date 5/14/21

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PLUGGING PROGNOSIS

API# 47-109-02353

West Virginia, Wyoming County

37.5160932162785, -81.2591150217016

Nearest ER: Princeton Community Hospital: 122 12th ST. Princeton, WV 24740

Casing Schedule

12 3/4" csg @ 20'

7" csg @ 1058' cemented to surface w/ 165 sks

4 1/2" csg @ 4713' est TOC 3340' w/ 110 sks

TD 4757'

Completion: Frac

Weir 4496'-4506'

Big Lime 3939'-4013'


Fresh Water: non reported

Gas Shows: 3939', 4496'

Oil Show: No shows

Coal: 325', 425', and 650'

Elevation: 3065"

1. Notify Inspectors Gary Kennedy @ 304-382-8402, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline. 
4. TIH w/ tbg to 4506'. Kill well as needed with 6% bentonite gel. Pump 110' C1A cement plug from 4506'-4396' (Weir gas show). Tag TOC. Top off as needed.
5. TOOH w/ tbg to 4396'. Pump 6% bentonite gel from 4396'-4013'.
6. TOOH w/ tbg to 4013'. Pump 174' C1A cement plug from 4013'-3839' (Lime gas show).
7. TOOH w/ tbg to 3839'. Pump 6% bentonite gel from 3839'-3065'.
8. TOOH w/ tbg to 3065'. Pump 100' C1A cement plug from 3065'-2965' (Elevation).
9. TOOH w/ tbg to 2965'. Pump 6% bentonite gel from 2965'-1108'. TOOH LD tbg.
10. Free point 4 1/2" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
11. TIH w/ tbg to 1239'. Pump 100' C1A cement plug from 1108'-1008' (7" csg st).
12. TOOH w/ tbg to 1008'. Pump 6% bentonite gel from 1008'-700'.
13. TOOH w/ tbg to 700'. Pump 100' C1A cement plug from 700'-600' (Coal).
14. TOOH w/ tbg to 600'. Pump 6% bentonite gel from 600'-475'.
15. TOOH w/ tbg to 475'. Pump 200' C1A cement plug from 475'-275' (Coal).
16. TOOH w/ tbg to 275'. Pump 6% bentonite gel from 275'-100'.
17. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0' (Surface).
18. Erect monument with API#, date plugged, and company name.
19. Reclaim location and road to WV-DEP specifications.

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

MB

Well Operator's Report of Well Work

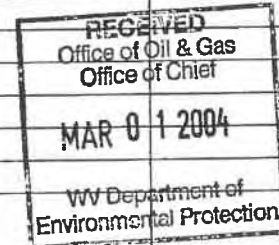
Farm name: Pocahontas Land Corp Operator Well No.: 6441

LOCATION: Elevation: 3065' Quadrangle: Rhodell 7.5'

District: Barkers Ridge County: Wyoming
Latitude: 9,330 Feet South of 37 Deg. 32 Min. 30 Sec.
Longitude 2,695 Feet West of 81 Deg. 15 Min. 00 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Ralph Triplett				
Date Permit Issued: 12/12/2003				
Date Well Work Commenced: 02/02/2004	12 3/4"	20'	20'	Sand In
Date Well Work Completed: 02/17/2004				
Verbal Plugging N/A	7"	1058'	1058'	165 sks
Date Permission granted on: N/A				
Rotary X Cable Rig	4 1/2"	4713'	4713'	110 sks
Total Depth (feet): 4757'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 325-327', 425-426', 650-651'				



OPEN FLOW DATA

Weir 4496-4506' → *PLUGGED OFF "WBT"*
 Producing formation Lower Big Lime Pay zone depth (ft) 3939-4013'
 Gas: Initial open flow Trace MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 60 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static rock Pressure 500 psig (surface pressure) after 12 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: _____
 By: Rodney J. Biggs
 Date: 2/27/2004

NR

WELL: 0441
API: 47-109-02353

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WELL 6441

02/17/2004 PLAN TO FRAC TODAY

TWO STAGE FRAC. WEIR 4496' - 4506' (21 HOLES) - 70Q FOAM FRAC -
40,300 LB 20/40 SAND, 145 BBL FLUID, 296,500 SCF N2, 500 GAL 28% HCL
IN FLUSH FOR 2ND
STG, BDP HYD, ATP 1507#, AIR 20 BPM. LOWER BIG LIME 3939' - 4013' (18
HOLES) - ACID
FRAC W/ N2 ASSIST - 2500 GAL 28% HCL, 135 BBL TW, 38,500 SCF N2,
BDP 2218#, ATP 1777#,
AIR 12 BPM, ISIP 1344#,

Overburton	0	10
Sandstone	10	325
Coal	325	327
Shale	327	425
Coal	425	426
Sandstone	426	650
Coal	650	651
Shale	651	825
Sandstone	825	950
Shale	950	1214

FORMATION TOPS

Pride Shale	1214	1406
Ravencliff Group	1406	1814
Avis Lime	1822	1864
Upper Maxton	2540	2621
Lower Maxton	2969	3014
Little Lime	3110	3458
Big Lime	3458	4170
Weir Sand	4463	4555
LTD		4773'

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WW-4A
Revised 6-07

1) Date: February 4, 2021
2) Operator's Well Number 6441
3) API Well No.: 47 - 109 - 02353

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

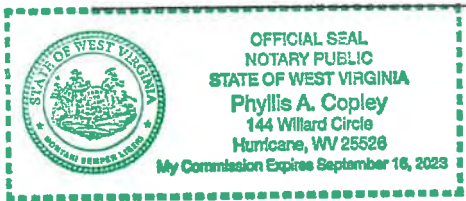
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Pocahontas Land Corporation</u>	Name _____
Address <u>Three Commercial Place</u>	Address _____
<u>Norfolk, VA 23510</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Land Corporation</u>
	Address <u>Three Commercial Place</u>
	<u>Norfolk, VA 23510</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Lane</u>	Name <u>No Declaration</u>
<u>Pipesstem, WV 25979</u>	Address _____
Telephone <u>304-382-8402</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 Diversified Production, LLC
 By: [Signature] Jeff Mast
 Title: Director Production
 Address P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

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Subscribed and sworn before me this 4th day of February, 2021
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2023 WV Department of Environmental Protection

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 denprivacyofficer@wv.gov.

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Well 6441
API 47-109-02353

7017 1450 0002 3854 1006

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

Norfolk, VA 23510

OFFICIAL USE

Certified Mail Fee	\$3.60
Extra Services & Fees (check box, add fee as appropriate)	\$2.85
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage and Fees	\$7.85

0523
03
Postmark
Here
02/04/2021

Sent To
 Pocahontas Land Corp. 6441
 Street and Apt. No., or PO Box No.
 Three Commercial Place
 City, State, ZIP+4®
 Norfolk, VA 23510

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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WW-9
(5/16)

API Number 47 - 109 - 02353
Operator's Well No. 6441

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

Operator Name Diversified Production, LLC OP Code 494524121
Watershed (HUC 10) Barkers Creek Quadrangle Rhodell

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 *HEK*

If so, please describe anticipated pit waste:

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 2D0550319)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop systems 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 *[Signature]*

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 4/14 day of February, 2021

Phyllis A. Copley

Notary Public

My commission expires September 16, 2023

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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:

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Title:

Inspector

Date:

5/14/21

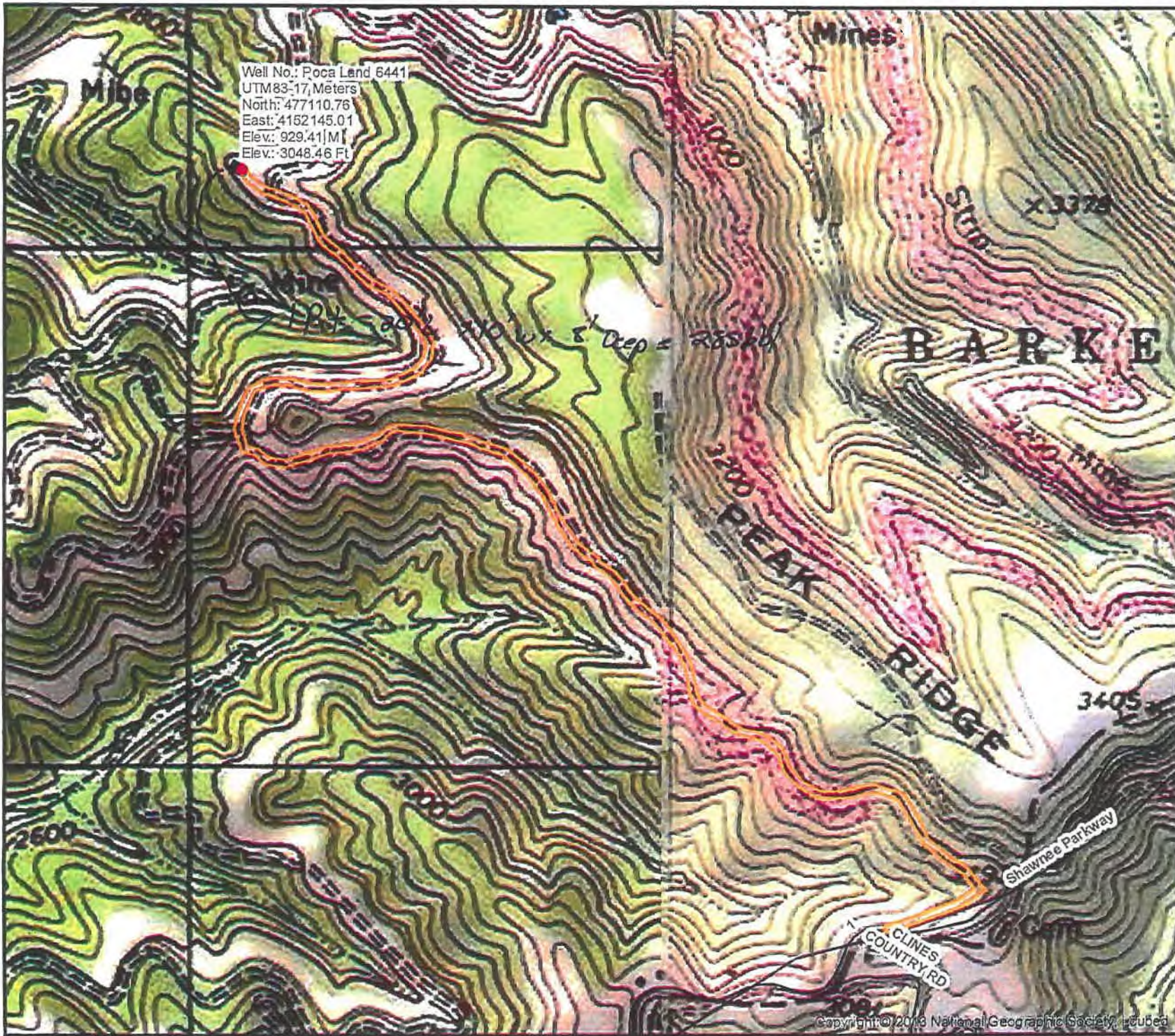
Field Reviewed?

(

) Yes

(

) No



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

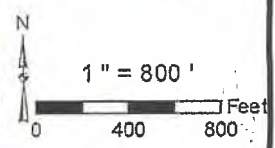
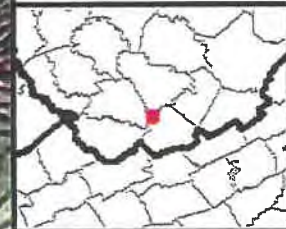
Pocca Land 6441
 Plugging Map

47-109-02353

Legend

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

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PITTSBURGH

4710902353P

WW-7
8-30-06



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

API: 47-109-02353 WELL NO.: 6441

FARM NAME: Pocahontas Land Corp

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Wyoming DISTRICT: Barkers Ridge

QUADRANGLE: Rhodell

SURFACE OWNER: Pocahontas Land Company

ROYALTY OWNER: Pardee Oil and Gas

UTM GPS NORTHING: 4,152,145.01

UTM GPS EASTING: 477,110.76 GPS ELEVATION: 3,048'

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:

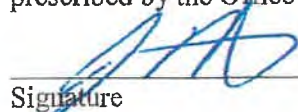
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS : Post Processed Differential
Real-Time Differential
4. Letter size copy of the topography map showing the well location.

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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

2/3/2021
Date

05/28/2021