



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, January 30, 2024

WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for LCHC-004C
47-109-02365-00-00

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: LCHC-004C
Farm Name: POCAHONTAS LAND CORP.
U.S. WELL NUMBER: 47-109-02365-00-00
Coal Bed Methane Well Plugging
Date Issued: 1/30/2024

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. 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.

4710902365

- 1) Date December 1, 2023
- 2) Operator's Well No. LCHC 004C
- 3) API Well No. 47-109-02365

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A CBM WELL.

- 4) Well Type: Oil / Gas / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow
- 5) Location: Elevation 2837.74' Watershed Clear Fork
District Oceana County Wyoming Quadrangle Amell 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey
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 Roy Howard Name Next LVL Energy (Diversified Owned)
Address PO Box 140 Address 104 Helliport Loop Rd
Oak Hill, WV Bridgeport, WV 25330

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

See Attached

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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 Roy Howard Date 12/4/23

02/09/2024

Plugging Prognosis

API #: 4710902365

Casing Schedule:

16 3/8" @ 48' (Driven Pipe)

9 5/8" @ 365' (CTS w/ 165 cu ft)

7" @ 1596' (CTS w/283 cu ft)

TD listed as 1740'

Estimated lateral from plat

- C Hole
 - Lower Beckley: 26,378' x 4.75" Hole ID = 722 BBL w/ 125% excess

Fresh Water: None listed

Salt Water: None listed

Gas Shows: None listed

Oil Shows: None listed

Coal: 441.5'-442.5'(<20 inches); 545'-547'; 594.5'-599'; 712'-713'(<20 inches); 1435'-1438'; 1696'-1700'

Elevation: 2843'

1. Notify Inspector Roy Howard @ (681) 990-2568, 48 hrs prior to commencing operations.
2. Record pressure on csg.
3. TOOH w/ rods and tbg.
4. Kill well with gel as needed. Then proceed to load wellbore with gel to a minimum of 125% capacity until wellbore is filled.
5. TIH w/ tbg to 1720'. Pump 335' **Expandable Class L** cement plug from 1720' to 1385' (7" csg shoe and coal seams plug). Pump cement in stages as needed. Tag TOC
6. TOOH w/ tbg to 1385'. Pump 6% bentonite gel spacer from 1385' to 649'.
7. TIH w/ tbg to 649'. Pump 649' **Expandable Class L** cement plug from 649' to Surface (9-5/8" csg shoe plug, coal seams and surface plug). Pump cement in stages as needed. Tag TOC
8. Reclaim site and set monument per WV DEP regulations.

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JAN 18 2024

WV Department of
Environmental Protection

State of West Virginia
Division of Environmental Production
Section of Oil and Gas

mp

Well Operator's Report of Well Work

Farm Name Pocahontas Land Corporation

Operator Well No.: LCHC-004C

LOCATION: Elevation: 2843

Quadrangle: Arnett 7 1/2'

District: Oceana County: Wyoming
Latitude: 11660 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude: 11460 Feet West of 81 Deg. 25 Min. 00 Sec.

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Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Center of well
Address: 2550 East Stone Drive, Suite 110 Kingsport, TN 37660	16 3/8"	48'	48'	0
Agent: Harry Jewell	9 5/8"	365'	365'	165
Inspector: Ralph Triplett	7"	1596'	1596'	283
Date Permit Issued: 01/09/2004				
Date Well Work Commenced: 02/16/2004				
Date Well Work Completed: 10/02/2004				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1,700				
Fresh Water Depth (ft):				
Salt Water Depth (ft):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft):				

WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Lower Beckley Coals Pay zone depth (ft) 1700'
 Gas: Initial open flow 0 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

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

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

Signed:

Michael E. Stamber
By: MICHAEL E. STAMPER
Date: 4/3/2005

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Office of Oil & Gas
Office of Chief
MAY 06 2005
WV Department of Environmental Protection

FORM WR-35R
(REVERSE)

4710902365P
PERMIT #:4710902365C
WELL #: LCHC-004C

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

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<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sandstone/Shale	0	441.5	
Coal	441.5	442.5	
Sandstone/Shale	442.5	594.5	
Coal	594.5	599	
Sandstone/Shale	599	712	
Coal	712	713	
Sandstone/Shale	713	1435	
Coal	1435	1438	
Sandstone/Shale	1438	1696	
Coal (Lower Beckley)	1696	1700	1700 TVD Turned Horizontal in Coal
Sandstone/Shale	1700	1740	

02/09/2024

4710902365.P

Form: WW-2B

109-02365P

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

1) Well Operator Penn Virginia Oil & Gas Corporation

	Wyoming	Oceana	Arnett 7 1/2'
Operator ID	County	District	Quadrangle

2) Operator's Well Number: LCHC-004C

3) Elevation: 2843

4) Well Type: (a) Oil or Gas
 (b) If Gas: Production / Underground Storage
 Deep / Shallow

5) Proposed Target Formation(s): Lower Beckley Coals

6) Proposed Total Depth: 1750 Feet

7) Approximate fresh water strata depths: 313

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: 606, 681, 783, 1182, 1614, 1694

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10) Does land contain coal seams tributary to active mine? No

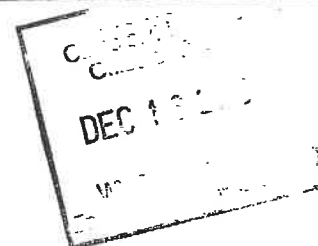
11) Describe proposed well work: Drill through Lower Beckley Coal. Equip to de-water and produce gas from LCHC-004A. Horizontal laterals

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor	13 3/8	LS	37	25	25	0
Fresh Water	9 5/8	LS	26	355	355	202
Coal	7	LS	17	1650	1650	250
Intermediate						
Production	7	LS	17	1650	1650	250
Tubing	2 7/8	J55	6.5		1705	Hanging
Liners						

C.T.S.
RPT
12/12/03

Packers: Kind
 Sizes:
 Depths Set



02/09/2024

12

4701092365
109-02365C

109-02365-C

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator Penn Virginia Oil & Gas Corporation 2) Operator's Well Name Loup Creek

3) Operator's Well Number: LCHC-004C 4) Elevation: 2843

5) Well Type: (a) Oil or Gas X
(b) If Gas: Production X / Underground Storage
Deep / Shallow X

6) Proposed Target Formation(s): Lower Beckley Coals

7) Proposed Total Depth: 1750 Feet

8) Approximate fresh water strata depths: 313

9) Approximate salt water depths: N/A

10) Approximate coal seam depths: 606, 681, 783, 1182, 1614, 1694

11) Does land contain coal seams tributary to active mine? No

12) (a) Proposed well work: Drill through Lower Beckley Coal. Equip to de-water and produce gas from LCHC-004A Horizontal laterals

(b) If Stimulation Proposed, Describe Means to be Used to Stimulate Well:
No

13) (a) Does the proposed operation plan to convert an existing well (as defined in W. Va. Code § 22-6-1) or a vertical ventilation hole to a coalbed methane well? Yes or No: No

(b) If yes, please attach to this Application a list of all formations from which production is anticipated and a description of any plans to plug any portion of the well.

14) (a) Will the proposed coalbed methane well be completed in some but not all coal seams for production (except for a gob well or vent hole proposed to be converted to a well)? Yes or No Yes

(b) If yes, please attach to this Application a plan and design for the well which will protect all workable coal seams which will be penetrated by the well.

15) (a) Does the proposed operation include horizontal drilling of a well commenced on the surface? Yes or No No

(b) If yes, please attach to this Application a description of such operations, including both the vertical and horizontal alignment and extent of the well from the surface to total depth.

DEC 16 2013
WV Dept of Environmental Protection

4710902365P

109-02365

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor	13 3/8	LS	37	25	25	0
Fresh Water	9 5/8	LS	26	355	355	202
Coal	7	LS	17	1650	1650	250
Intermediate						
Production	7	LS	17	1650	1650	250
Tubing	2 7/8	J55	6.5		1705	Hanging
Liners						

Packers:

- Fee(s) paid:
 Well Work Permit:
 Reclamation Fund:
 WPCP:
- Plat:
 WW-9:
 WW-5:
 Bond _____ (Type)
 Agent:

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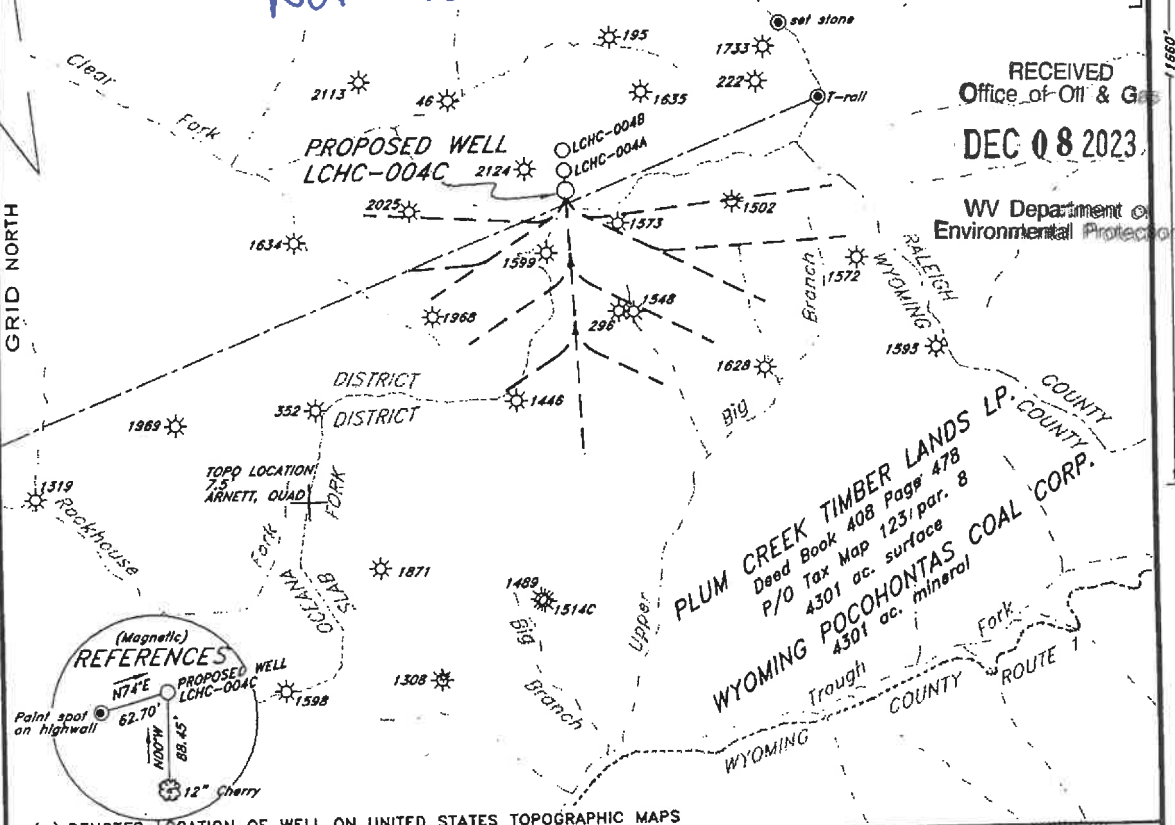
BEARING CHART

Well Number	From	To	Bearing	Distance
2124	LCHC-004B	LCHC-004A	N64°27'08"E	574.30'
LCHC-004B	LCHC-004A	LCHC-004C	S03°19'21"E	273.40'
LCHC-004A	LCHC-004C	LCHC-004C	S03°23'34"E	272.87'
LCHC-004C	LCHC-004C	LCHC-004C	S57°06'45"E	845.40'

LATITUDE 37°47'30"
4710902365
 DISTRICT
 DISTRICT
PROPOSED WELL COORDINATES
 N: 276920.51
 E: 1868085.77
 WV SOUTH ZONE
 NAD 27

POCAHONTAS LAND CORPORATION
 Order Book 38 Page 385

NOT TO SCALE



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:17000
 PROVEN SOURCE OF ELEVATION GPS DISK NO. M 2850.77'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) *Bryant W. Bowman*
 R.P.E. _____ L.L.S. 736

BRYANT W. BOWMAN
 LICENSED
 NO 736
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

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



DATE NOVEMBER 17, 2003
 OPERATOR'S WELL NO. LCHC-004 C
 API WELL NO. **47-109-02365-C**

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 2843.00' WATERSHED CLEAR FORK
 DISTRICT OCEANA COUNTY WYOMING
 QUADRANGLE ARNETT, WV
 SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 30000±
 OIL & GAS ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 30000±
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Beckley Coals ESTIMATED DEPTH 1750
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORPORATION DESIGNATED AGENT MR. HARRY JEWEL
 ADDRESS 2550 EAST STONE DRIVE SUITE 110 ADDRESS PO BOX 460 RAVENCLIFF, WV 25913

02/09/2024

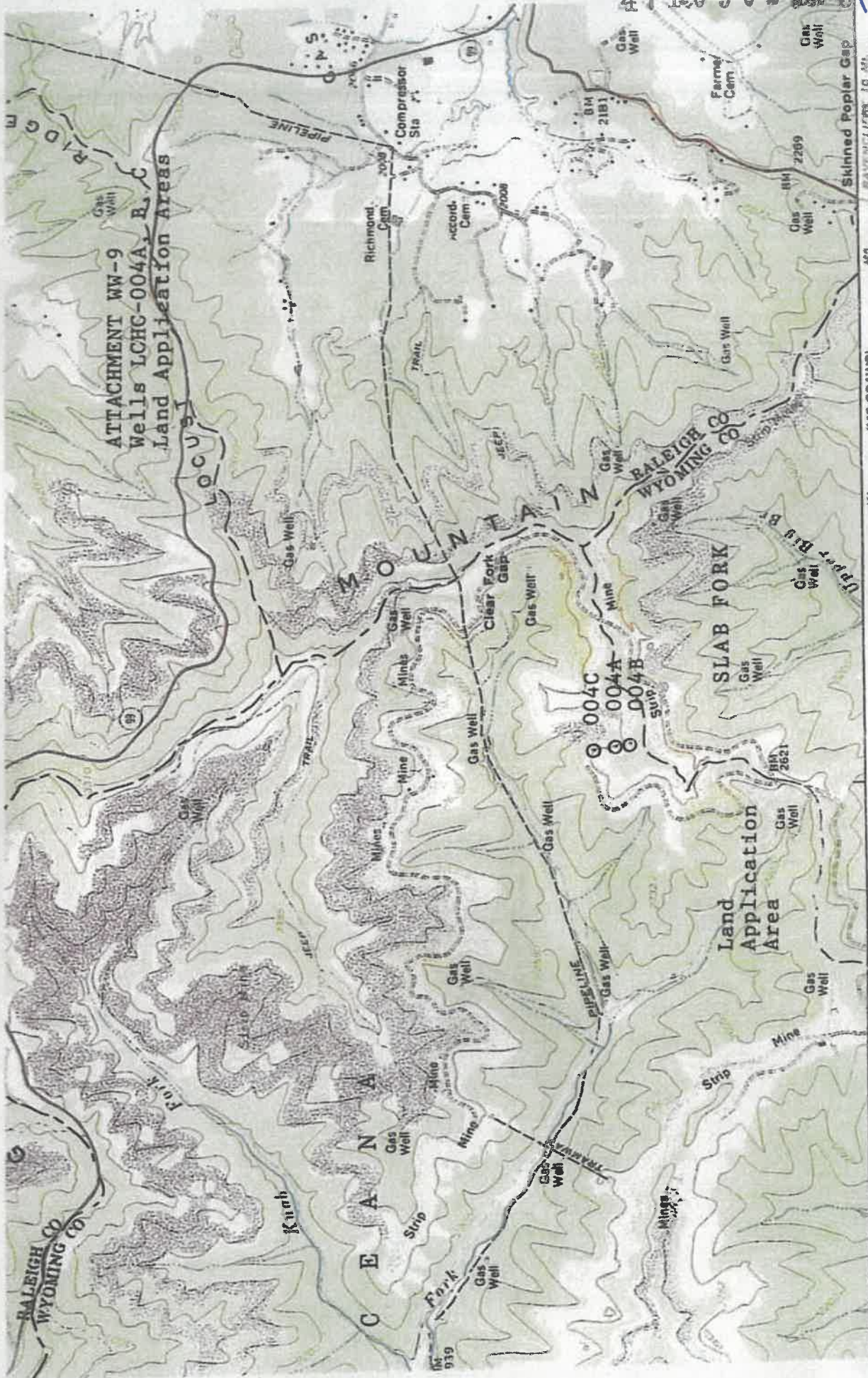
FORM WW-6

COUNTY NAME
 PERMIT

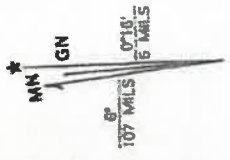
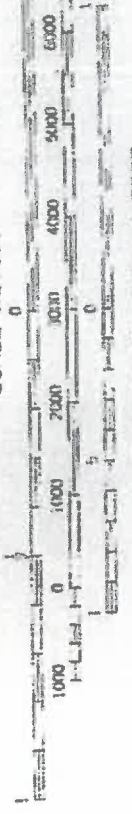
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SCALE 1:24,000



ed by the Geological Survey

methods from aerial
checked 1964
with American datum
Virginia coordinate system,
Mercator grid ticks.

02/09/2024

4710902365P

1) Date: 12/1/2023

2) Operator's Well Number LCHC 004C

3) API Well No.: 47 - 109 - 02365

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

CBM WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Pocahontas Surface Interest, LLC</u>	Name <u>Rockwell Mining, LLC</u>
Address <u>PO Box 1517</u>	Address <u>250 West Main St. Suite 2000</u>
<u>Bluefield, WV 24701</u>	<u>Lexington, KY 40507</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Pocahontas Land, LLC</u>
	Address <u>PO Box 1517</u>
	<u>Bluefield, WV 24701</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Roy Howard</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 140</u>	Name _____
<u>Oak Hill, WV</u>	Address _____
Telephone <u>(681) 990-2568</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.

RECEIVED Office of Oil & Gas DEC 08 2023 WV Department of Environmental Protection	Well Operator <u>Diversified Production, LLC</u>
	By: <u>Chris Veazey</u>
	Its: <u>Permitting Supervisor</u>
	Address <u>414 Summers Street</u>
	<u>Charleston, WV 25301</u>
Telephone <u>304-590-7707</u>	

Subscribed and sworn before me this 1st day of December, 2023
My Commission Expires September 28, 2028

Jeffrey Bush
Notary



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

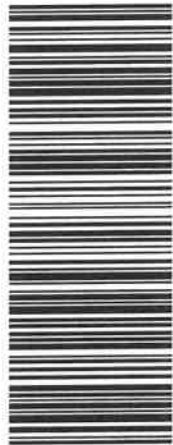
02/09/2024

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

US POSTAGE AND FEES PAID
2023-12-01
25301
C4000004
Retail
4.0 OZFLAT
0901000008703



USPS CERTIFIED MAIL™



9407 1361 0544 2770 0077 28



POCAHONTAS SURFACE INTEREST LLC
PO BOX 1517
BLUEFIELD WV 24701-1517

4710902365P

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SURFACE OWNER WAIVER

4710902365P

Operator's Well
Number

LCHC 004C

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 57th 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 the violation...".

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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,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

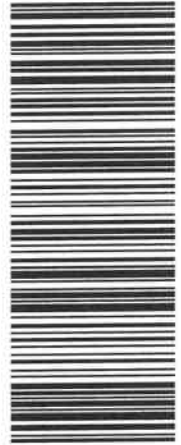
02/09/2024

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND FLOOR
CHARLESTON WV 25301

US POSTAGE AND FEES PAID
2023-12-01
25301
C4000004
Retail
4.0 OZFLAT
090100008708



USPS CERTIFIED MAIL™



9407 1361 0544 2770 0180 52



ROCKWELL MINING LLC
250 W MAIN ST STE 2000
LEXINGTON KY 40507-1718

4710902365P

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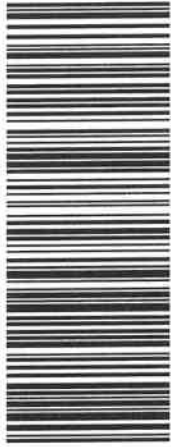
DEC 08 2023

WV Department of
Environmental Protection

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

US POSTAGE AND FEES PAID
2023-12-01
25301
C4000004
Retail
4.0 OZ FLAT
easypost
0901000008708

USPS CERTIFIED MAIL™



9407 1361 0544 2770 0131 49



POCAHONTAS LAND LLC
PO BOX 1517
BLUEFIELD WV 24701-1517

4710902365P

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Environmental Protection

4710902365P

WW-4B

API No. 4710902365
Farm Name Pocahontas Land
Well No. LCHC 004C

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

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WAIVER

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The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

02/09/2024



DIVERSIFIED
energy

4710902365P

Date: 12/1/2023

James Martin
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
(304)926-0450

Mr. Martin,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

API Number 4710902365 Well Name WPHC 004C

Attached is the approved variance order for use of Class L cement.

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4) ORDER NO. 2022-13
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

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FINDINGS OF FACT

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1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

02/09/2024

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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WW-9
(5/16)

4710902365P
API Number 47 - 109 - 02365
Operator's Well No. LCHC 004C

**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) Clear Fork Quadrangle Arnett 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: Production fluid and cement returns.

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 2D03902327 002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A WV Department of Environmental Protection

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

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 *Chris Veazey*
Company Official (Typed Name) Chris Veazey
Company Official Title Manager Plugging Operations

Subscribed and sworn before me this 1st day of December, 2023

Jeffrey Bush
My commission expires September 25, 2028



4710902365P

Form WW-9

Operator's Well No. LCHC 004C

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount TBD lbs/acre

Mulch 2 Tons/acre

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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: Roy Howard

Comments: Operator to cover with cement all oil and gas formations including salt, elevation, coals and fresh water

Title: Inspector

Date: 12/11/23

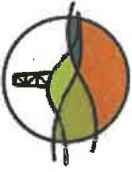
Field Reviewed?

Yes

No

02/09/2024

4710902365



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

47-109-02365

Plugging Map

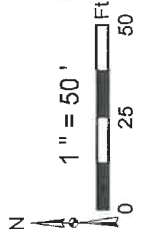
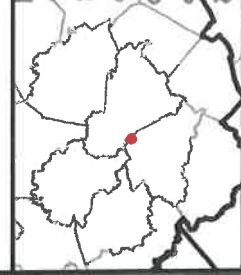
Legend

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

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Secondary Pit

Primary Pit

Well No.: 47-109-02365
 UTM83: 17 Meters
 North: 4179253.96
 East: 459822.01
 Elev.: 865.16 M
 Elev.: 2837.74 Ft

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

02/09/2024

4710902365



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

47-109-02365

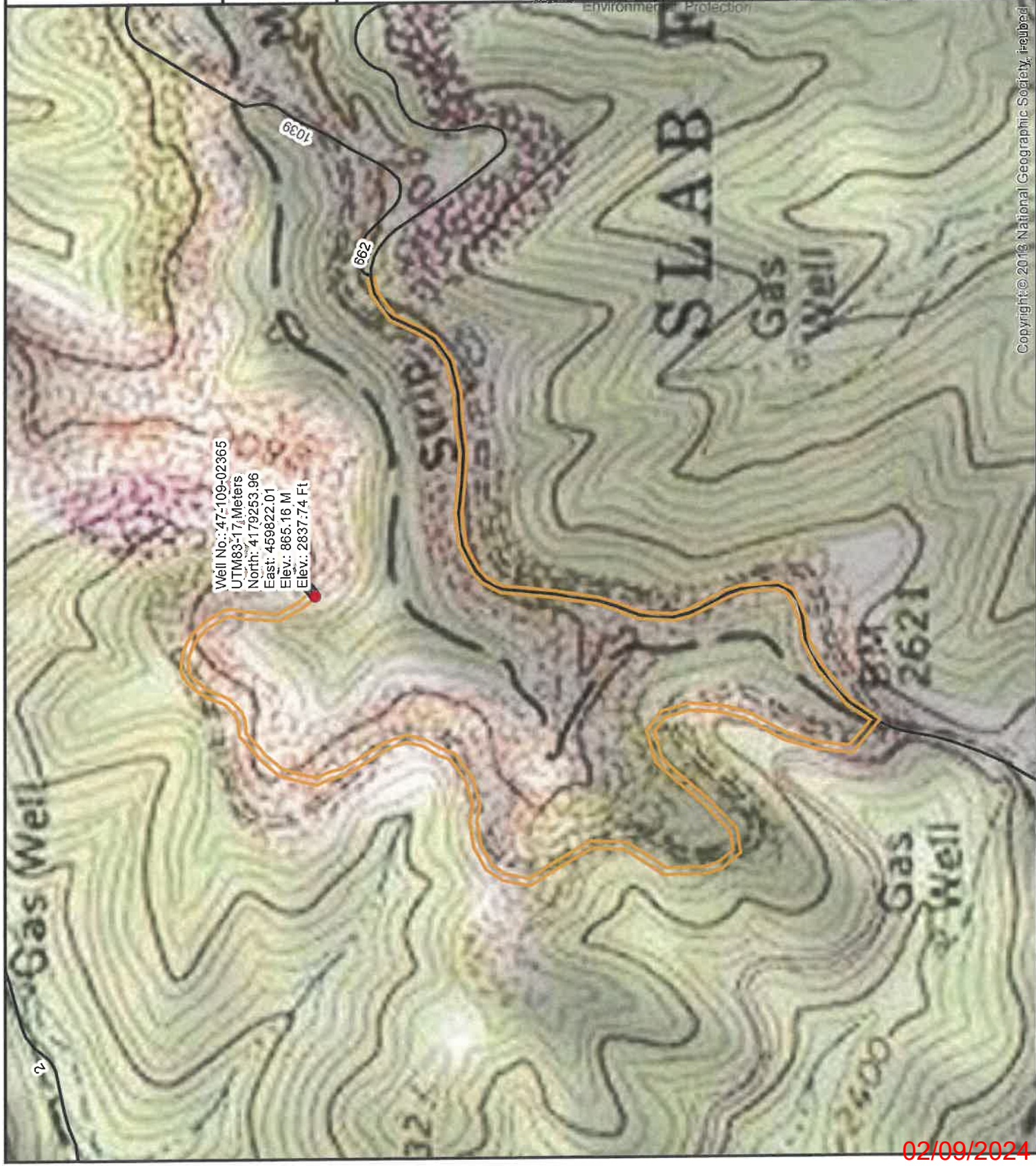
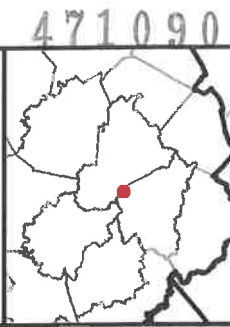
Plugging Map

Legend

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

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WW-7
8-30-06

4710902365A



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

API: 4710902365 WELL NO.: LCHC 004C

FARM NAME: Pocahontas Land

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Wyoming DISTRICT: Oceana

QUADRANGLE: Arnett 7.5'

SURFACE OWNER: Pocahontas Surface Interest, LLC

ROYALTY OWNER: Penn Virginia Oil & Gas Corporation

UTM GPS NORTHING: 4179253.96

UTM GPS EASTING: 459822.01 GPS ELEVATION: 2837.74'

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

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- 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.

Chris Veazey
Signature

Chris Veazey - Permitting Supervisor
Title

11/30/23
Date

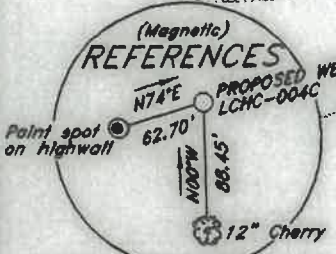
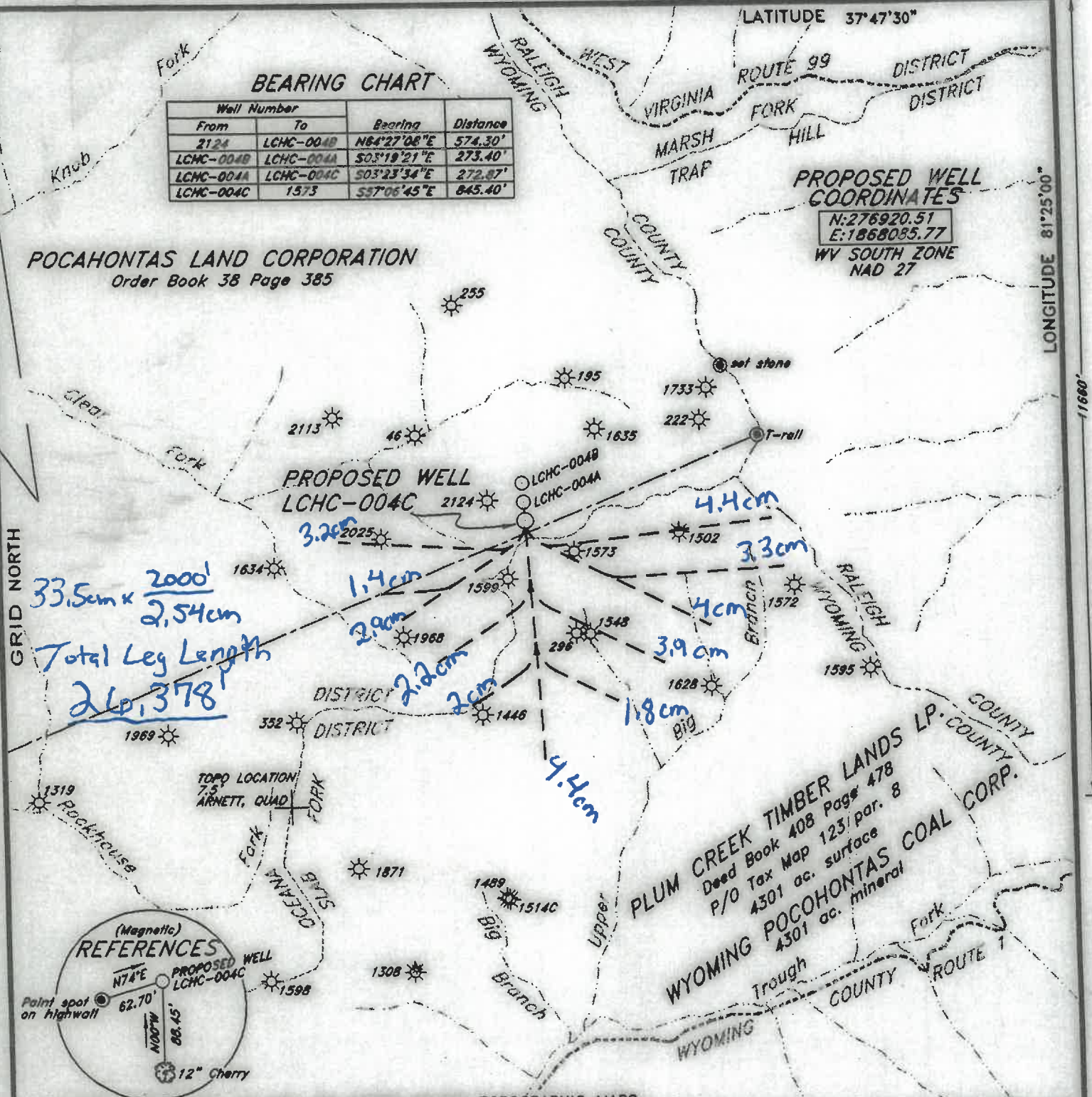
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BEARING CHART

Well Number	From	To	Bearing	Distance
	2124	LCHC-004B	N64°27'08"E	574.30'
	LCHC-004B	LCHC-004A	S03°19'21"E	273.40'
	LCHC-004A	LCHC-004C	S03°23'34"E	272.87'
	LCHC-004C	1573	S57°06'45"E	845.40'

PROPOSED WELL COORDINATES
 N: 276920.51
 E: 1868085.77
 WV SOUTH ZONE
 NAD 27

POCAHONTAS LAND CORPORATION
 Order Book 38 Page 385



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=2000' = 2.54cm
 MINIMUM DEGREE OF ACCURACY 1:17000
 PROVEN SOURCE OF ELEVATION GPS DISK NO. M
 2850.77'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) Bryant Bowman
 R.P.E. _____ L.L.S. 736



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



DATE NOVEMBER 17, 2003
 OPERATOR'S WELL NO. LCHC-004 C
 API WELL NO. 47-109-02309/2024
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (5 "CAS") PRODUCTION STORAGE DEEP SHALLOW