



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

Wednesday, May 29, 2024
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 825799
47-059-01769-00-00

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: 825799
Farm Name: MINGO WYO. COAL LAND
U.S. WELL NUMBER: 47-059-01769-00-00
Horizontal 6A Plugging
Date Issued: 5/29/2024

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.

1) Date April 3, 2024
2) Operator's
Well No. MINGO WYOMING COAL LAND CO 30
3) API Well No. 47-058 - 01788

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 1528.14' Watershed Canebrake Branch of Guyandotte River
District Stafford County Mingo Quadrangle Man 7.5'

6) Well Operator Diversified Production, LLC 7) Designated Agent Chuck Shafer
Address 414 Summers Street Address 414 Summers Street
Charleston, WV 25301 Charleston, WV 25301

8) Oil and Gas Inspector to be notified Name Brian Warden
Address 49 Elk Lick Rd.
Delbarton, WV 25670
9) Plugging Contractor Name Next LVL Energy (Diversified Owned)
Address 104 Helliport Loop Rd
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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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 4-22-24

Plugging Prognosis

API #: 47-059-01769

West Virginia, Mingo County

Lat/Long – 37.652559, -81.892173

Nearest ER: Logan Regional Medical Center Emergency Room – 20 Hospital Dr, Logan, WV 25601

Casing Schedule

Depths given from KB – Assuming 10' KB due to 10' difference between Well Operator's Report and State Inspectors notes on Form IR-26

13-3/8" @ 50' KB (Driven)

9-5/8" @ 541' KB (CTS w/ 260 cu ft – 220 sks) ✓

7" @ 1910' KB (CTS w/ 354 cu ft – 300 sks) ✓

4-1/2" @ 5315' KB (Cemented w/ 373 cu ft) – ETOC @ 1709' ✓

TD @ 5409'

Completion: 54 perfs 4780'-5150' – Lower Huron, 31 perfs 4042'-4052' – Gordon, 56 perfs 3688'-3710' – Berea, 31 perfs 3214'-3224' – Weir, 62 perfs 3050'-3082' – Big Lime

Fresh Water: 76'

Salt Water: 1500'

Gas Shows: None Listed

Oil Shows: None Listed

Coal: 150'-155', 380'-385'

Elevation: 1518.49'

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1. Notify Inspector Brian Warden @ 304-205-3229, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Verify if 9-5/8" and 7" csg are CTS.
4. Check TD w/ sandline/tbg.
5. Run to CBL on 4-1/2" csg to verify TOC. ETOC @ 1709' based off 373 cu ft in 6-1/4" O.H. Record TOC/free point for later cut of 4-1/2" csg.
6. Pump Gel between each plug.
7. Run in to 5399'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel.
8. TOOH w/ tbg to 5200'. Pump 510' Class L cement plug from 5200' to 4690' (Completion Plug – Lower Huron). Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
9. TOOH w/ tbg to 4102'. Pump 466' Class L cement plug from 4102' to 3636' (Completion Plug – Gordon & Berea). Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
10. TOOH w/ tbg to 3274'. Pump 563' Class L cement plug from 3274' to 2711' (Completion Plug – Weir & Big Lime). Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
11. Use 4-1/2" csg free point from prior CBL. Cut and TOOH. Set 100' Class L cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. Do not omit any plugs

listed below. Perforate as needed. Decide whether to make 4-1/2" csg cut before or after setting Elevation Plug depending on where free point is.

12. TOOH w/ tbg to 1568'. Pump 118' Class L cement plug from 1568' to 1450' (Elevation & Saltwater Plug). Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. 4-1/2" Csg Cut Plug, Elevation Plug, and Salt Water Plug can all be set as one if operationally feasible.
13. TOOH w/ tbg to 435'. Pump Expanding Class L cement plug from 435' to Surface' (Coal, Fresh Water, & Surface Plug). Top off as needed. Perforate as needed.
14. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*Covers all Gas Oil Water Flow & Eff
With Cement Cont, and you waste
use Expanding cement*

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WV Department of
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State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Mingo/Wyoming Land Co.

Operator Well No.: 825799

LOCATION Elevation: 1518.49
District: Stafford
Latitude: 5151 ft S of
Longitude: 5040 ft W of

Quadrangle: Man
County: Mingo

37° 40' 00"
81° 52' 30"

Company: Chesapeake Energy Corp. L.L.C.
P.O. Box 6070
Charleston, WV 25362-000

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill-Up Cu.Ft.
13 3/8'	50' KB	50' KB	Driven
9 5/8'	541' KB	541' KB	260
7"	1910' KB	1910' KB	354
4 1/2'	5315' KB	5315' KB	373

Agent: Mike John
Inspector: Gary Scites
Date Permit Issued: 03/09/2006
Date Well work commenced: 03/23/2006
Date Well Work completed: 04/24/2006
Verbal Plugging Permission
Granted on / /
Rotary Cable Rig
Total Depth (ft): DTD: 5408' LTD: 5409'
Fresh Water Depth (ft): 76'
Salt Water Depth (ft.): 1500'
Is coal being mined in area (Yes No
Coal Depths (ft): 150'-155', 380'-385'

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Office of Chief
JUL 05 2006
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Open Flow Data

1st Producing Formation All Zones Comingled Pay Zone Depth 3050 ft to 5150 ft
Gas: Initial Open Flow Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow 810 Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests 96 hours
Static Rock Pressure 225 psig after 48 hours

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2nd Producing Formation Pay Zone Depth ft to
Gas: Initial Open Flow Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests hours
Static Rock Pressure psig after hours

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3rd Producing Formation Pay Zone Depth ft to ft
Gas: Initial Open Flow Mcf/day Oil: Initial Open Flow bbl/day
Final Open Flow Mcf/day Final Open Flow bbl/day
Time of Open Flow between Initial and Final Tests hours
Static Rock Pressure psig after hours

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: [Signature]
Chesapeake Appalachia L.L.C.

By: _____
Date: 6-14-06

Perforated Intervals

1st Stage Lower Huron 54 holes from 4780 ft to 5150 ft
 2nd Stage Gordon 31 holes from 4042 ft to 4052 ft
 3rd Stage Berea 56 holes from 3688 ft to 3710 ft
 4rd Stage Weir 31 holes from 3214 ft to 3224 ft

Fracturing / Stimulation

1st Stage Lower Huron Type of Treatment Nitrogen Frac
 Total Acid 300 Gal of 15% HCl Breakdown Pressure 2348 psi
 Average Rate 82865 scf/min or bpm ATP 3136 psi MTP 3319 psi
 Total Fluid bbl Total Nitrogen 1,010,700 scf Total Sand lb of
 ISIP 1730 psi 5 min 1534 psi

2nd Stage Gordon Type of Treatment 75% Foam Frac
 Total Acid 250 Gal of 15% HCl Breakdown Pressure 1717 psi
 Average Rate 20 scf/min or bpm ATP 1444 psi MTP 1859 psi
 Total Fluid 139 bbl Total Nitrogen 303,500 scf Total Sand 26,631 lb of 20/40
 ISIP 1776 psi 5 min 1616 psi

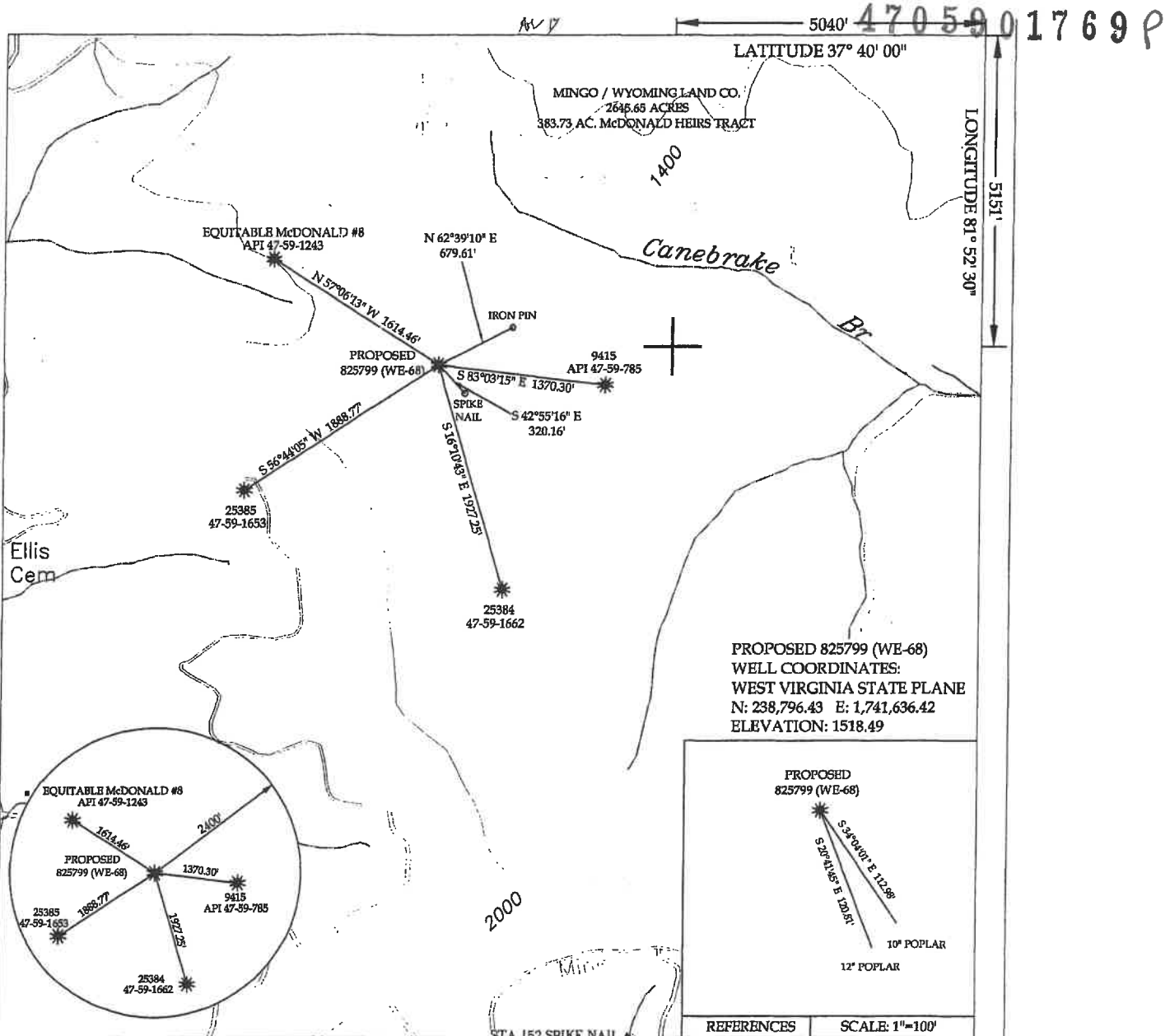
3rd Stage Berea Type of Treatment 75% Foam Frac
 Total Acid 250 Gal of 15% HCl Breakdown Pressure 2385 psi
 Average Rate 35 scf/min or bpm ATP 1706 psi MTP 1776 psi
 Total Fluid 284 bbl Total Nitrogen 424,600 scf Total Sand 66,057 lb of 20/40
 ISIP 1524 psi 5 min 1396 psi

4rd Stage Weir Type of Treatment 75% Foam Frac
 Total Acid 250 Gal of 15% HCl Breakdown Pressure 2495 psi
 Average Rate 20 scf/min or bpm ATP 1309 psi MTP 1643 psi
 Total Fluid 138 bbl Total Nitrogen 249,900 scf Total Sand 26,046 lb of 20/40
 ISIP 1547 psi 5 min 1442 psi

Well Log

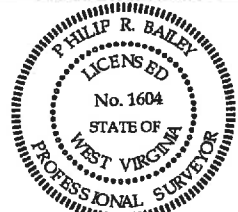
Formation Name	Top	Bottom	Comments
Sand/Shale	0	1240	
Salt Sand	1240	1870	
Sand/Shale	1870	2079	
Upper Maxon	2079	2320	
Lower Maxon	2456	2545	
Sand/Shale	2545	2643	
Bradley	2643	2691	
Sand/Shale	2691	2727	
Little Lime	2727	2761	
Big Lime	2761	3086	
Sand/Shale	3086	3093	
Injun	3093	3112	
Pocono Shale	3112	3193	
Weir	3193	3346	
Pocono Shale	3346	3661	
Sunbury	3661	3686	
Berea	3686	3712	
Devonian Shale	3712	4028	
Gordon	4028	4054	
Devonian Shale	4054	4740	
Lower Huron	4740	5153	
Java	5153	5409	

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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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) Philip Bailey
 R.P.E. _____ R.P.S. X



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

DATE FEBRUARY 21 20 06
 OPERATOR'S WELL NO. 825799 (WE-68)
 API WELL No. 47 - 059 - 01769
 STATE REC'D COUNTY PERMIT
 Office Of Oil and Gas

MINIMUM DEGREE OF ACCURACY 1:36,302 FILE NO. G226-06
 SCALE: 1" = 1000'
 PROVEN SOURCE OF ELEVATION _____
 TRIG. LEVELING FROM GPS DERIVED ELEVATION DRAWING NO. WE68plat-rev.dwg

STATE OF WEST VIRGINIA APR 4 2007
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 Environmental Protection Department

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1518.49 WATER SHED CANEBREAK BRANCH
 DISTRICT _____ STAFFORD COUNTY _____ MINGO QUADRANGLE _____ MAN

SURFACE OWNER MINGO/WYOMING LAND CO. (McDONALD HEIRS TRACT) ACREAGE 383.73
 OIL & GAS ROYALTY OWNER MINGO/WYOMING LAND CO. LEASE ACREAGE 2645.65
 LEASE NO. 1049340

PROPOSED WORK: DRILL X 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 Dev State ESTIMATED DEPTH 5-380'
 WELL OPERATOR CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT MIKE JOHN
 ADDRESS 900 PENNSYLVANIA AVE. ADDRESS: 900 PENNSYLVANIA AVE.
 CHARLESTON, WEST VIRGINIA 25302 CHARLESTON, WEST VIRGINIA 25302

05/31/2024

4705901769 P
59-01769

Form: WW - 2B

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

1) Well Operator Chesapeake Appalachia, L.L.C. Operator ID Mingo County Stafford District Man Quadrangle

2) Operator Well Number: 825799 3) Elevation: 1518.49'

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

5) Proposed Target Formation(s): Big Lime, Weir, Berea, and Devonian Shale

6) Proposed Total Depth: 5380 feet
7) Approximate fresh water strata depths: 50', 270'
8) Approximate salt water depths: 1175', 1585'

9) Approximate coal seam depths: Pond Creek: 100'; Eagle: 325'

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

11) Describe proposed well work Drill new development well

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	40	40	Driven
Fresh Water	9 5/8"	LS	26	500	500	165 <i>CTS</i>
Coal	7"	LS	19	1940	1940	915
Intermediate						
Production	4 1/2"	M-65	10.5	3880	3880	<i>As Noted</i>
			9.5	1500	1500	
Tubing						
Liners						

Packers: Kind _____
 Sizes _____
 Depths Set _____

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MAR 02 2006
WV Department of Environmental Protection

HL
2-23-06

05/31/2024

WW-4A
Revised 6-07

1) Date: 4/3/2024
2) Operator's Well Number MINGO WYOMING COAL LAND CO 30

3) API Well No.: 47 - 059 - 01769

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>Mingo Wyoming Coal Land Co.</u>	Name _____
Address <u>P.O. Box 58</u>	Address _____
<u>Huntington, WV 25706</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Mingo Logan Coal LLC/Arch Resources, Inc.</u>
_____	Address <u>City Place One, Suite 300</u>
_____	<u>St. Louis, MO 63141</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Brian Warden</u>	(c) Coal Lessee with Declaration
Address <u>49 Elk Lick Rd.</u>	Name <u>Reflectance Energy LLC</u>
<u>Delbarton, WV 25670</u>	Address <u>200 Georges St. Suite 4</u>
Telephone <u>304-205-3229</u>	<u>Beckley, WV 25801</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: Chris Veazey
 Its: Director of Administration
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-590-7707

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Office of Oil and Gas
APR 24 2024
WV Department of Environmental Protection

Subscribed and sworn before me this 3rd day of April, 2024
Jeffrey Bush Notary Public
My Commission Expires September 28, 2028

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.

05/31/2024

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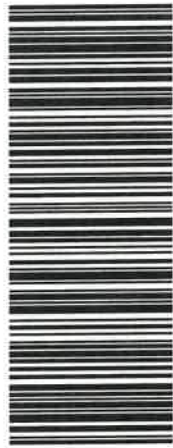
Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301



MINGO WYOMING COAL LAND CO
PO BOX 58
HUNTINGTON WV 25706-0058

9407 1362 0855 1724 9443 26

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4705901769P

SURFACE OWNER WAIVER

4705901769P

Operator's Well
Number

MINGO WYOMING COAL LAND CO 30

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 or seek review of 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.

APR 24 2024

VOLUNTARY STATEMENT OF NO OBJECTION

WV Department of
Environmental Protection

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

05/31/2024

05/31/2024

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

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MINGO LOGAN COAL LLC
ARCH RESOURCES INC
CITY PLACE ONE SUITE 300
ST LOUIS MO 63141

4705901769f

05/31/2024

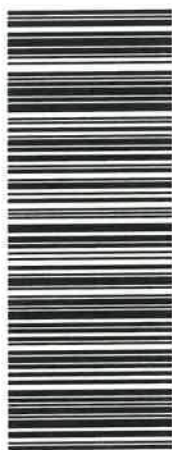
Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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9407 1362 0855 1724 9390 70



REFLECTANCE ENERGY LLC
200 GEORGE ST STE 4
BECKLEY WV 25801-2644

4705901769f

WW-4B

4705901769P

API No. 4705901769
Farm Name Mingo Wyo. Coal Land Co.
Well No. MINGO WYOMING COAL LAND CO 30

**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.

WAIVER

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 _____

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05/31/2024



DIVERSIFIED
energy

4705901769P

Date: 4/3/2024

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 4705901769 Well Name MINGO WYOMING COAL LAND CO 30

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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Office Of Oil and Gas
APR 24 2024
WV Department of
Environmental Protection



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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WV Department of Environmental Protection

FINDINGS OF FACT

- 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.

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)

4705901769P

API Number 47 - 059 - 01769
Operator's Well No. MINGO WYOMING COAL LAND CO 30

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)Canebrake Branch of Guyandotte River Quadrangle Man 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 _____)

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

-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 the Office of Oil and Gas imposes significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]
Company Official (Typed Name) Chris Veazey
Company Official Title Permitting Supervisor



Subscribed and sworn before me this 3rd day of April, 2024

[Signature] Notary Public

My commission expires September 28, 2028

05/31/2024

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 500 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: Return to DEP [Signature]

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Title: [Signature]

Date: 4-22-24

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Field Reviewed? Yes






No

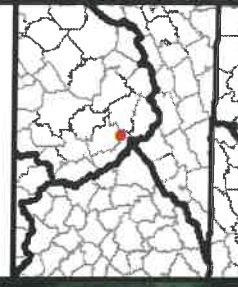


Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

47-059-01769
Well Plugging Map

Legend

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



Source: Esri, Maxar, Earthstar, GeoEye, IGN, GeoEye, User Contributed








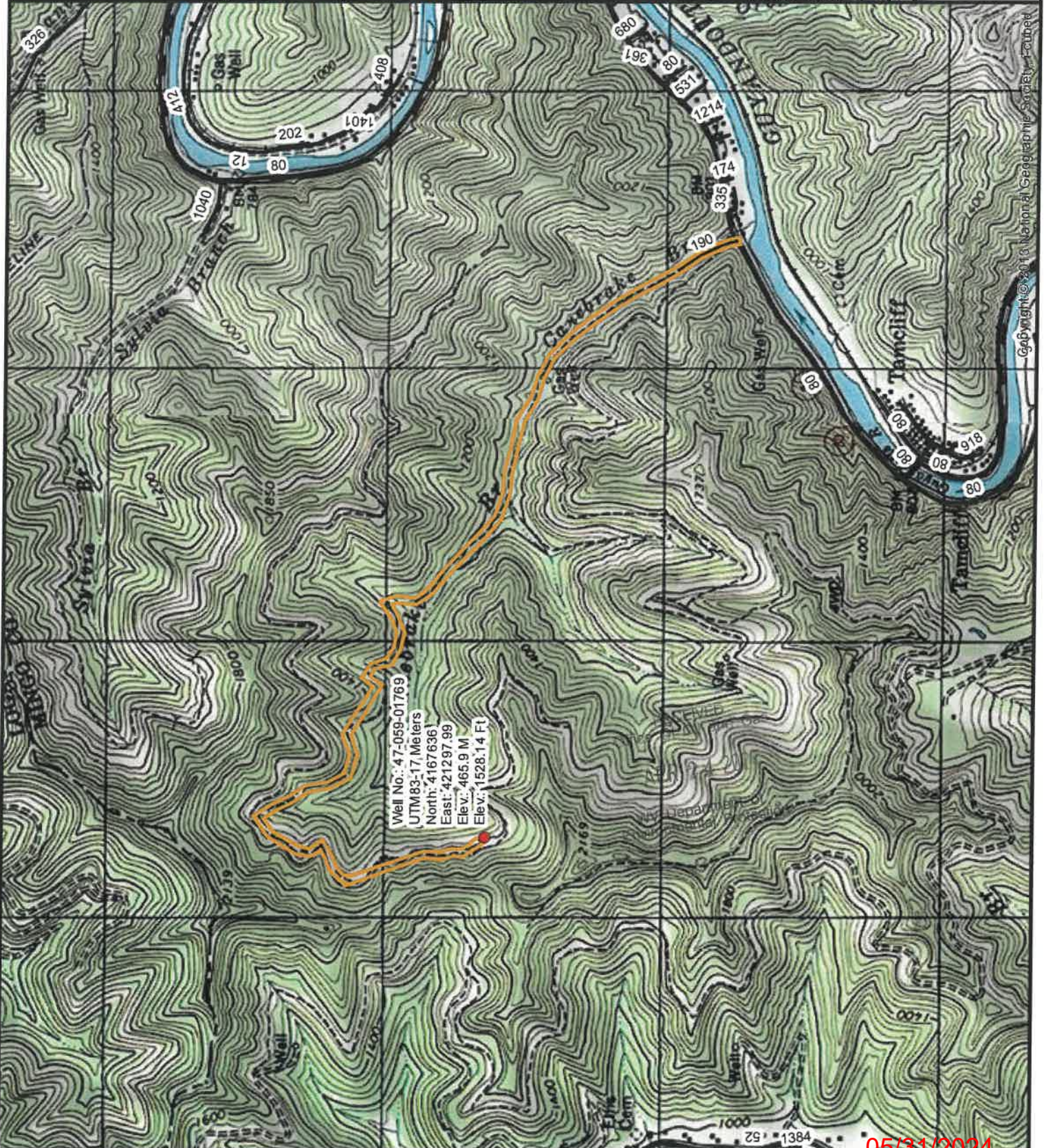
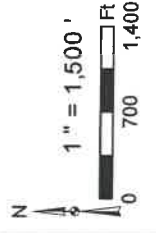
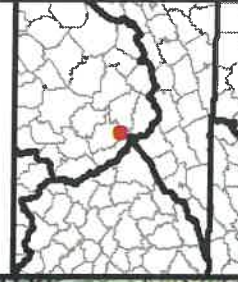
Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

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Well Plugging Map

Legend

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



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

API: 4705901769 WELL NO.: _____ MINGO WYOMING COAL LAND CO 30

FARM NAME: Mingo Wyo. Coal Land Co.

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Mingo DISTRICT: Stafford

QUADRANGLE: Man 7.5'

SURFACE OWNER: Mingo Wyoming Coal Land Co.

ROYALTY OWNER: Mingo Wyoming Coal Land Co.

UTM GPS NORTHING: 4167636

UTM GPS EASTING: 421297.99 GPS ELEVATION: 1528.14'

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 X : Post Processed Differential X

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.


Signature

Chris Veazey - Director of Administration
Title

4/3/24
Date

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11/10/2016

PLUGGING PERMIT CHECKLIST
4705901769

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A

- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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05/31/2024