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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, October 4, 2024  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 507975  
47-059-01524-00-00

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:  
Farm Name: M/M GHD LAND, INC.  
U.S. WELL NUMBER: 47-059-01524-00-00  
Vertical Plugging  
Date Issued: 10/4/2024

# 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

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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.

WV-4B  
Rev. 2/01

1) Date September 24, 2024  
2) Operator's  
Well No. Greater Wise Land Co 507975  
3) API Well No. 47-000 - 0000

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 1872.49' Watershed Northwest of Elk Creek  
District Sevier County Mingo Quadrangle Wardville 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 Brian Warden Name Next LVL Energy (Diversified Owned)  
Address 49 Elk Creek Rd. Address 104 Hallport Loop Rd  
Delbarton, WV 25870 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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SEP 29 2024  
WV Department of  
Environmental Protection

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

Work order approved by inspector  Date 9/24/24

10/04/2024

**Plugging Prognosis**

API #: 47-059-01524

West Virginia, Mingo County

Lat/Long - 37.552111, -81.883039

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

**Casing Schedule**

13-3/8" @ 38' - Grouted

9-5/8" @ 1246' - Cemented w/ 507.35 ft<sup>3</sup> - Did Not Circulate - Grouted

7" @ 3328' - CTS w/ 654.75 ft<sup>3</sup>

4-1/2" @ 6221' - Cemented w/ 446.4 ft<sup>3</sup> - ETOC @ 2142' Using 6-1/4" Hole

2-3/8" @ 6137.35' - No Packer Information

TD @ 6250'

Completion: Lower Shale - 5539'-6204' - 40 Perfs - 500 gal 7-1/2% Acid, 788,468 scf N2

Upper Shale - 4439'-5459' - 50 Perfs - 750 gal 15.8% Acid, 1,000,309 scf N2

Berea - 4332'-4352' - 21 Perfs - 500 gal 15.5% Acid, 340,096 scf N2, 178 bbl H2O, Variable Quality Foam, 300 sks sand

Big Lime - 3488'-3512' - 10 Perfs - 2500 gal 15.5% Acid, 171,291 N2, Acid w/ N2

Fresh Water: 141'

Salt Water: 2842'

Gas Shows: 5255', 5566', 5815', 6126', 6250'

Oil Shows: None Reported

Coal: 128'-131', 201'-204', 291'-295', 660'-664', 802'-805'

Open Mine: 51'-55'

Elevation: 1974'

1. Notify Inspector Brian Warden @ 304-205-3229, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Blow down and kill well w/ fluid if necessary.
4. TOOH w/ 2" tbg.
5. Check TD w/ sandline/tbg.
6. Pump Gel between each plug.
7. TIH w/ tbg to 6240'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel. Pump 1961' Class L cement plug from 6240' to 4279' (Completion Plug - Lower & Upper Shales, Berea & 4-1/2" Csg Shoe Plug). Approximately 155 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Break into multiple plugs for operational feasibility.
8. TOOH w/ tbg to 3562'. Pump 284' Class L cement plug from 3562' to 3278' (Big Lime & 7" Csg Shoe Plug). Approximately 23 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.

*Operate to cones with cannot all over every  
front mainly salt Elevate rods & fresh water*



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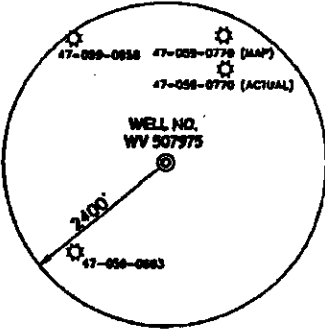
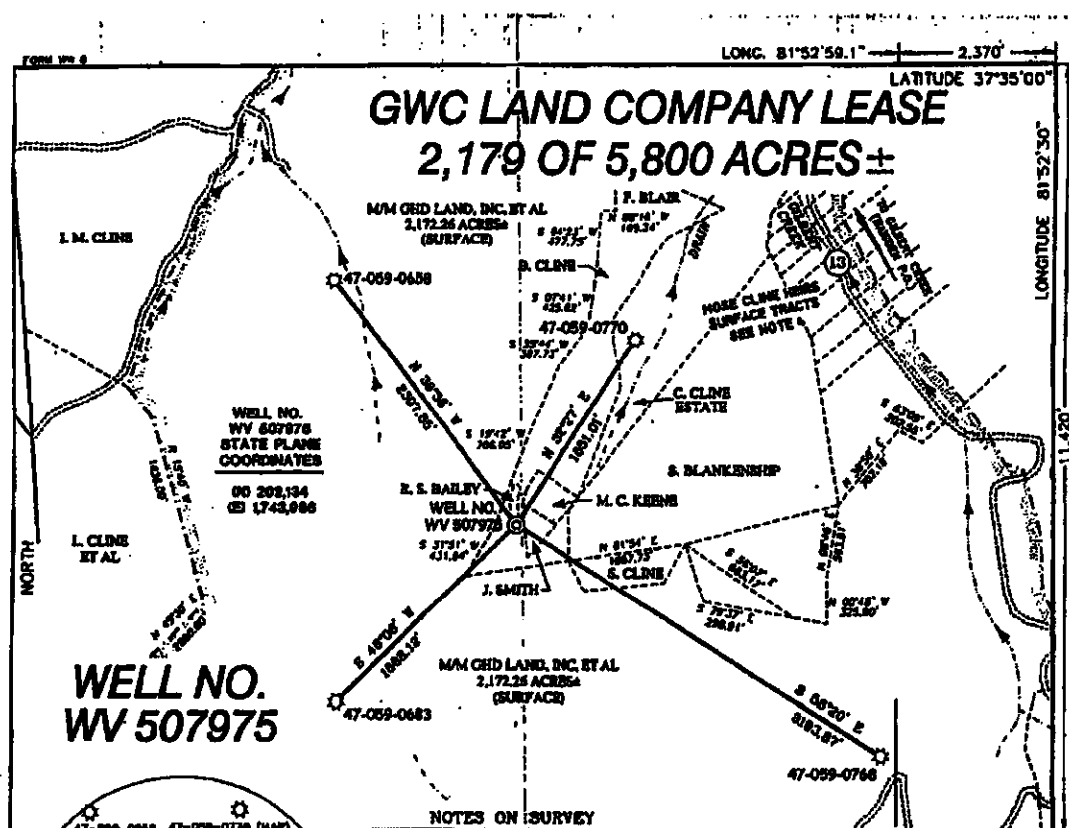
WV Department of  
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10/04/2024

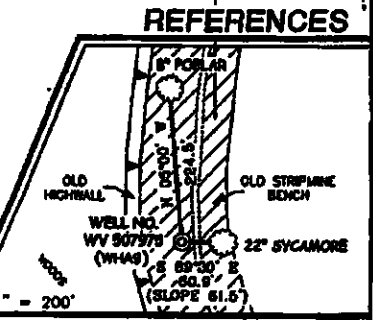
9. TOOH w/ tbg to 2892'. Pump 100' Class L cement plug from 2892' to 2792' (Saltwater Plug). Approximately 8 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
10. Free point 4-1/2" csg. Cut and TOOH. Set 100' Class L cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. Approximately 15 sks @ 1.14 yield. Do not omit any plugs listed below. Perforate as needed. Can combine w/ Elevation Plug if feasible.
11. TOOH w/ tbg to 2024'. Pump 100' Class L cement plug from 2024' to 1924' (Elevation Plug). Approximately 22 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Can combine with 4-1/2" Csg Cut Plug if feasible.
12. TOOH w/ tbg to 1296'. Pump 100' Class L cement plug from 1296' to 1196' (9-5/8" Csg Shoe Plug). Approximately 22 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
13. TOOH w/ tbg to 855'. Pump 245' Expanding Class L cement plug from 855' to 610' (Coal Plug). Approximately 52 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
14. TOOH w/ tbg to 345'. Pump 345' Expanding Class L cement plug from 345' to Surface (13-3/8" Csg Shoe, Coal, Open Mine, Fresh Water, & Surface Plug). Approximately 49 sks @ 1.14 yield. Top off as needed. Perforate as needed.
15. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

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- NOTES ON SURVEY**
1. TIES TO WELLS ARE BASED ON STATE PLANE GRID NORTH WY SOUTH ZONE MAD '27.
  2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 4/03/02.
  3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 340 AT PAGE 250.
  4. SURFACE OWNER AND ADJONER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN MARCH, 2002. CALLS A OUTLINE OF AREA SHOWN AS MOSE CLINE HEIRS TAKEN FROM MAP TITLED "M.C. LAND COMPANY PROPERTY AND OUTCROP MAP" DATED DECEMBER, 1942 BY DAVID M. GOOD & SON ENGINEERS AND INFORMATION TAKEN FROM MINGO CO. TAX MAPS.
  5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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.

P.S. 677 *Gregory A. Smith*

**GREGORY A. SMITH**  
 LICENSED  
 No. 677  
 STATE OF  
 WEST VIRGINIA  
 PROFESSIONAL SURVEYOR

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

DATE MAY 6 2002

OPERATORS WELL NO. WV 507975

API WELL NO. 47-59-01524

STATE 47 COUNTY 59 PERMIT 01524

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 39932507975 (118-84)

PROVEN SOURCE OF ELEVATION BENCHMARK ELEVATION 1,300' SCALE 1" = 1000'

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

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,974' WATERSHED TRIBUTARY OF GILBERT CREEK

DISTRICT STAFFORD COUNTY MINGO QUADRANGLE WHARNCLIFFE 7.5'

SURFACE OWNER BUSH CLINE ACREAGE 13.71

ROYALTY OWNER M/M GHD LAND, INC. ET AL LEASE ACREAGE 2,179 OF 5,800±

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION DEVONIAN SHALE

ESTIMATED DEPTH 6,420'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERQUE

ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328

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 Environmental Protection

*AD*

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

Well Operator's Report of Well Work

Farm Name: M/M GHD Land, Inc Operator Well No.: 507975

LOCATION: Elevation: 1,974.00 Quadrangle: Wharmcliffe  
District: Stafford County: Mingo  
Latitude: 11420 Feet South of 37 Deg. 35 0  
Longitude: 2370 Feet West of 81 Deg. 52 30

Company: Equitable Production Company  
P.O. Box 2347, 1710 Pennsylvania Avenue  
Charleston, WV 25328

Agent: Stephen G. Purdue

Inspector: Gary Scites  
Permit issued: 10/9/2002  
Well work commenced: 10/24/02  
Well work completed: 11/22/02

Verbal Plugging Permission granted on:

Rotary Rig X Cable Rig \_\_\_\_\_

Total Depth 6260 feet

Fresh water depths (ft) 141'

Salt water depths (ft) 2942

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	36'	36'	grouted
9 5/8"	1246'	1246'	507.95 ft <sup>3</sup>
7"	3328'	3328'	654.75 ft <sup>3</sup>
4 1/2"	6221'	6221'	448.4 ft <sup>3</sup>
2 3/8"		6187.85	

Is coal being mined in area? \_\_\_\_\_  
Coal Depths (ft): 128'-131'; 201'-204'; 291'-296'; 660'-664'; 802'-805'  
Open Mine 51'-55'

OPEN FLOW DATA

Producing formation Lower Shale; Upper Shale / Gordon; Berea; Big Lims Pay Zone Depth (ft): \_\_\_\_\_ See Attach for details

Gas: Initial open flow 28 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow: 1299 MCF/d Final open flow: \_\_\_\_\_  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure 400 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: \_\_\_\_\_  
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 CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Kathy L. Conway  
For: Equitable Production Company

By: [Signature]  
Date: 3/22/03

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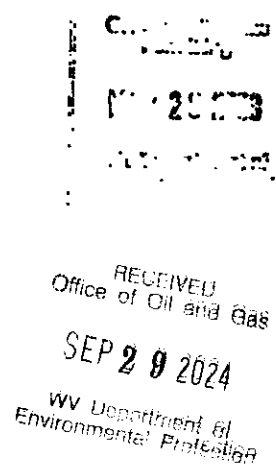
**EQUITABLE PRODUCTION COMPANY  
WR-35 COMPLETION REPORT - Attachment  
Well Treatment Summary**

Well: WV-607975-GWC

API# 47-059-01524

Date	11/13/02	11/13/02	11/13/02	11/13/02
Type Frac:	NS	NS	Var Quality	Acidw/ N <sub>2</sub>
Acid, N <sub>2</sub> , Foam, Water			Foam	Displacement
Zone Treated	Lower Shale	Upper Shale Gordon	Berea	Big Lime
# Perfs	40	50	21	10
From - To:	5539' - 6504'	4439' - 5459'	4332' - 4352'	3488' - 3512'
BD Pressure @ psi	2960	2760	1880	3140
ATP psi	3230	2154	1717	3265
Avg. Rate, B=B/M, S= SCP/M	50,897 S	51,933 S	27 B 14,000 S	4.9 B 10,700 S
Max. Treat Press psi	3740	2580	2010	3430
ISIP psi	2630	1480	1710	3280
Frac Gradient	.55	.35	.47	1.03
10 min S-I Pressure	1560	1300	1480	2870
Material Volume				
Sand-sks			300	
Water-bbl			178	
SCF N <sub>2</sub>	788,488	1,000,309	340,096	171,291
Acid-gal	500 gal 7 1/2%	750 gal 15.8%	500 gal 15.5%	2500 gal 15.5%
NOTES:				

TOP	BOTTOM	FORMATION	REMARKS
		Coal	128'-131'; 201'-204'; 291'-295'; 660'-664'; 802'-805' Water @ 141', 2842' Open Mine 51'-55'
3306'	3364'	LITTLE LIME:	GT @ 3215' = NS
3377'	3740'	BIG LIME:	GT @ 3412' = NS
3377'	3488'	BL1:	GT @ 3607' = NS
3468'	3618'	BL2:	GT @ 4011', 4198' = NS
3618'	3698'	BL3:	GT @ 4415', 4726' = NS
3698'	3740'	BL4:	GT @ 4944' = NS
3844'	3932'	WEIR:	GT @ 5255' = 25.83 mcfd
4301'	4329'	SUNBURY:	GT @ 5566' = 29.8 mcfd
4329'	4358'	BEREA:	GT @ 5815' = 29.8 mcfd
4634'	4654'	GORDON:	GT @ 6126' = 2938 mcfd
5340'	5758'	LOWER HURON:	
		LOWER HURON	
5353'	5416'	SILTSTONE:	
5758'	5885'	JAVA:	
5885'	6100'	ANGOLA:	
6100'		RHINESTREET:	
	6250'	TD	GT @ 6250' = 25.83 mcfd





WW-4A  
Revised 6-07

1) Date: 9/24/2024  
2) Operator's Well Number Greater Wise Land Co 507975

3) API Well No.: 47 - 059 - 01524

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>See Attached</u> Address _____</p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name <u>Frasure Creek Mining, LLC</u> Address <u>4978 Teays Valley Rd. Scott Depot, WV 25560</u></p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>See Attached</u> Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>North Springs Resources, LLC</u> Address <u>4978 Teays Valley Rd. Scott Depot, WV 25560</u></p>
<p>6) Inspector <u>Brian Warden</u> Address <u>49 Elk Creek Rd. Delbarton, WV 25670</u> Telephone <u>(304) 205-3229</u></p>	

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WV Department of  
Environmental Protection

**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

Subscribed and sworn before me this 24th day of September 2024  
Rebecca Wanstreet Notary Public  
My Commission Expires 7/26/29

**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](mailto:depprivacyofficer@wv.gov).

10/04/2024

**API 47-059-01524**

**Surface Owners**

**Ottaway Trent**

**PO Box 369  
laeger, WV 24844**

**Big Meadow Land Company**

**PO Box 748  
Lewisburg, WV 24901**

**J & S Land Holdings, LLC**

**PO Box 1988  
Princeton, WV 24740**

**M/M-GHD Land, Inc.**

**2 Welk Ct.  
Summersville, WV 26651**

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**API 47-059-01524**

**Coal Owners**

**Ottaway Trent**

**PO Box 920  
Welch, WV 24801**

**Big Meadow Land Company**

**PO Box 748  
Lewisburg, WV 24901**

**J & S Land Holdings, LLC**

**PO Box 1988  
Princeton, WV 24740**

**M/M-GHD Land, Inc.**

**2 Welk Ct.  
Summersville, WV 26651**

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

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9407 1362 0855 1006 7925 08



OTTAWAY TRENT  
PO BOX 920  
WELCH WV 24801-0920

US POSTAGE AND FEES PAID  easypost  
2024-09-24  
25301  
CA000004  
Retail  
4.0 OZ FLAT  
  
0901000010740

10/04/2024

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Permitting Department  
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OTTAWAY TRENT  
PO BOX 369  
IAEGER WV 24844-0369

US POSTAGE AND FEES PAID  
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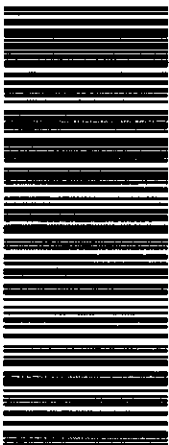


10/04/2024

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

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2 WELK CT  
SUMMERSVILLE WV 26651

US POSTAGE AND FEES PAID  
2024-09-24  
25301  
C4000004  
Retail  
4.0 OZ FLAT



0901000010740



10/04/2024

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Permitting Department  
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BIG MEADOW LAND COMPANY  
PO BOX 748  
LEWISBURG WV 24901-0748

US POSTAGE AND FEES PAID  
2024-09-24  
25301  
C4000004  
Retail  
4.0 OZ FLAT



0901000010740



10/04/2024

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9407 1362 0855 1006 7779 32



J & S LAND HOLDINGS LLC  
PO BOX 1988  
PRINCETON WV 24740-1988

US POSTAGE AND FEES PAID  **easypost**  
2024-09-24  
25301  
CA000004  
Retail  
4.0 OZ FLAT  
  
0901000010740

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Diversified Gas & Oil Corporation  
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NORTH SPRINGS RESOURCES LLC  
4978 TEAYS VALLEY RD  
SCOTT DEPOT WV 25560-9509

US POSTAGE AND FEES PAID  
2024-09-24  
25301  
C4000004  
Retail  
4.0 OZ FLAT



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Permitting Department  
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CHARLESTON WV 25301

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SEP 29 2024  
WV Department of  
Environmental Protection

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FRASURE CREEK MINING LLC  
4978 TEAYS VALLEY RD  
SCOTT DEPOT WV 25560-9509

US POSTAGE AND FEES PAID   
2024-09-24  
25301  
C4000004  
Retail  
4.0 OZ FLAT  
  
0901000010740

10/04/2024

**SURFACE OWNER WAIVER**

Operator's Well  
Number

4705901524

**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 57<sup>th</sup> 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...".

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

10/04/2024

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WW-4B

API No. 4705901524  
Farm Name Bush Cline  
Well No. Greater Wise Land Co 507975

**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**

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 \_\_\_\_\_

WW-9  
(5/16)

API Number 47 - 059 - 01524  
Operator's Well No. Greater Wise Land Co 507975

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) Tributary of Gilbert Creek Quadrangle Warncliffe 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 there are 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 Director of Administration

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Subscribed and sworn before me this 24 day of September, 20 24

[Signature] Notary Public

My commission expires 7/20/29



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

Line 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: to DEP Hand

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Title: [Signature] Date: \_\_\_\_\_

Field Reviewed?  Yes  No



**DIVERSIFIED**  
energy

Date: 9/24/2024

James Martin  
Office of Oil and Gas  
601 57<sup>th</sup> 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 4705901524 Well Name Greater Wise Land Co 507975

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

Sincerely,

Diversified Energy Permitting Department

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west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> 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 )  
SECTION 14.1. AND LEGISLATIVE RULE )  
35CSR8 SECTION 20.1, )  
RELATING TO THE CEMENTING )  
OF OIL AND GAS WELLS )**

**ORDER NO. 2022-13**

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**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.

**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.

Promoting a healthy environment.

10/04/2024



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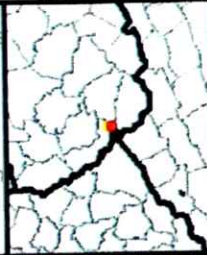
Diversified Gas & Oil Corporation  
 100 Diversified Way  
 Fluyville KY, 41051

47-059-01524  
 Well Plugging Map

**Legend**

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

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Well No.: 47-059-01524  
 UTM83-17 Meters  
 North: 4156463.5  
 East: 422009.36  
 Elev.: 601.37 M  
 Elev.: 1972.48 Ft

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Diversified Gas & Oil Corporation  
 300 Diversified Way  
 Pileville KY, 41051

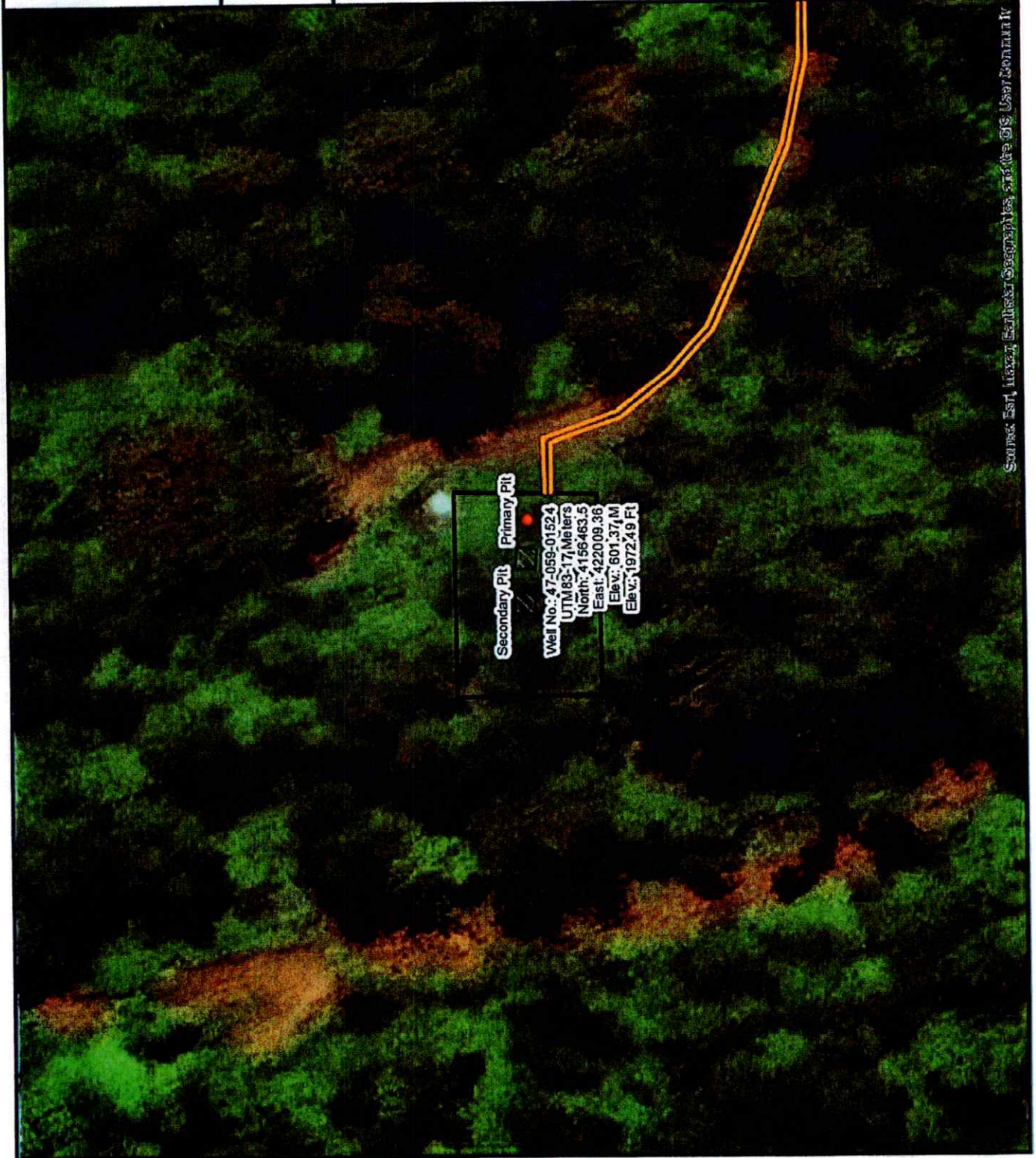
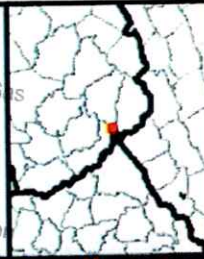
47-059-01524

Well Plugging Map

**Legend**

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

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Secondary Pit Primary Pit

Well No.: 47-059-01524  
 UTM 183-17 Meters  
 North: 4156463.5  
 East: 422009.36  
 Elev.: 601.37 M  
 Elev.: 1972.49 Ft

Source: Esri, DeLorme, GeoEye, IGN, AerGRID, AIRPHOT, Swire, Bing, User Contributed

WW-7  
8-30-06



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

API: 4705901524 WELL NO.: Greater Wise Land Co 507975

FARM NAME: Bush Cline

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Mingo DISTRICT: Stafford

QUADRANGLE: Warncliffe 7.5'

SURFACE OWNER: See Attached

ROYALTY OWNER: M/MGHD Lands Inc., J&S Land Holdings LLC, Big Meadow Company, Trent Woodrow Estate

UTM GPS NORTHING: 4156463.5

UTM GPS EASTING: 422009.36 GPS ELEVATION: 1972.49'

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

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

9/24/2024  
Date

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11/10/2016

PLUGGING PERMIT CHECKLIST  
4705901524

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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

10/04/2024

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

1) Well Operator EQUITABLE PRODUCTION COMPANY Operator ID          County 059 District 6 Quadrangle 672

2) Operator's Well Number: GWC Land Co. 507975 3) Elevation: 1974'

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

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

6) Proposed Total Depth: 6250 Feet  
7) Approximate fresh water strata depths: 379', 572', 597', 827', 962', 1135'  
8) Approximate salt water depths: 1789', 2218'

9) Approximate coal seam depths: 380' (possible open mine), 603', 627', 676', 822', 947', 1035'

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

11) Describe proposed well work Drill and complete new well

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\*Drill 8 1/2" hole to 3350'. Run 7" if necessary. If not, drill 6 1/4" hole to TD.

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"	L.S.	37	28'	26'	N/A
Fresh Water	9 5/8"	L.S.	26	1200'	1200'	C.T.S <i>HS</i>
Coal						
Intermediate	7"					
Production	4 1/2"	J-55	10.5	6250'	6250'	375
Tubing	2 3/8"	J-55	4.6	May not be run, if run will be set 100' less than TD		
Liners				Per CSR 35-4-11.3 There shall be no oil and gas production through the fresh water casing. Cement production casing accordingly.		

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Packers: Kind           
Sizes           
Depths Set         

*No pressure allowed on surface casing  
or on mineable coal seams,  
HS 9-20-02*



Kennedy, James P <james.p.kennedy@wv.gov>

**plugging permits issued 4705900848 0591471 05901524**

2 messages

**Kennedy, James P** <james.p.kennedy@wv.gov> Fri, Oct 4, 2024 at 12:36 PM  
To: Nicholas Bumgardner <nbumgardner@dgoc.com>, Chris Veazey <CVeazey@dgoc.com>, Brian Warden <brian.warden@wv.gov>, rmahon@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4705900848 0591471 05901524.

James Kennedy

WVDEP OOG

**3 attachments**

**4705901524.pdf**  
2910K

**4705901471.pdf**  
2928K

**4705900848.pdf**  
2924K

**Mail Delivery Subsystem** <mailer-daemon@googlemail.com>  
To: james.p.kennedy@wv.gov

Fri, Oct 4, 2024 at 12:37 PM



**Message blocked**

Your message to **rmahon@assessor.state.wv.us** has been blocked. See technical details below for more information.

The response from the remote server was:

550 5.1.1 : Recipient address rejected: User unknown in local recipient table

Final-Recipient: rfc822; [rmahon@assessor.state.wv.us](mailto:rmahon@assessor.state.wv.us)

Action: failed

Status: 5.1.1

Remote-MTA: dns; [state.mx1.wvnet.edu](https://state.mx1.wvnet.edu). (129.71.2.216, the server for the domain [assessor.state.wv.us](https://assessor.state.wv.us).)

Diagnostic-Code: smtp; 550 5.1.1 <[rmahon@assessor.state.wv.us](mailto:rmahon@assessor.state.wv.us)>: Recipient address rejected: User unknown in local recipient table

Last-Attempt-Date: Fri, 04 Oct 2024 09:37:04 -0700 (PDT)

**10/04/2024**

----- Forwarded message -----

From: "Kennedy, James P" <james.p.kennedy@wv.gov>

To: Nicholas Bumgardner <nbumgardner@dgoc.com>, Chris Veazey <CVeazey@dgoc.com>, Brian Warden <brian.warden@wv.gov>, rmahon@assessor.state.wv.us

Cc:

Bcc:

Date: Fri, 4 Oct 2024 12:36:45 -0400

Subject: plugging permits issued 4705900848 0591471 05901524

----- Message truncated -----

10/04/2024