



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

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

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 506154
47-059-01471-00-00

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: 47-059-01471-00-00
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

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 September 24, 2024
2) Operator's
Well No. Greater Wise Land Co 500154
3) API Well No. 42-000-1127

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 4815.05' Watershed Right Fork of Gilbert Creek
District Saunders County Mingo Quadrangle Woodville 1.5

6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veszev
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 Hellport Loop Rd
Delbarton, WV 25670 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 9/24/24

Plugging Prognosis

API #: 47-059-01471

West Virginia, Mingo County

Lat/Long – 37.560234, -81.885773

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

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Casing Schedule

13-3/8" @ 32' – Grouted

9-5/8" @ 847' – Calculated CTS w/ 334 ft³ Using 12-1/4" Hole

7" @ 2297' – Calculated CTS w/ 540.05 ft³ Using 8-3/4" Hole

4-1/2" @ 5886' – Cemented w/ 421.6 ft³ – ETOC @ 1896' Using 6-1/4" Hole

TD @ 5880'

Completion: Lower Shale – 5205'-5865' – 40 Perfs – 672 gal 7-1/2% Acid, 802,879 scf N₂

Upper Shale – 4114.5'-5081' – 50 Perfs – 750 gal 8.3% Acid, 975,410 scf N₂

Berea – 3995'-4024' – 30 Perfs – 500 gal 15.9% Acid, 445,513 scf N₂, 226 bbl H₂O, 75-85Q

Foam, 500 sks sand

Big Lime – 3166'-3390' – 20 Perfs – 2500 gal 15.9% Acid, 221,912 N₂, Acid w/ N₂

Fresh Water: 60'

Salt Water: 2014'

Gas Shows: 4038', 4255', 4627', 4934', 5554', 5880'

Oil Shows: None Reported

Coal: 248'-249', 388'-390'

Elevation: 1606'


1. Notify Inspector Brian Warden @ 304-205-3229, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ sandline/tbg.
4. Pump Gel between each plug.
5. TIH w/ tbg to 5870'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel. Pump 1925' Class L cement plug from 5870' to 3945' (**Completion Plug – Lower & Upper Shales, Berea & 4-1/2" Csg Shoe Plug**). Approximately 152 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.
6. TOOH w/ tbg to 3440'. Pump 444' Class L cement plug from 3440' to 2996' (**Big Lime Plug**). Approximately 40 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
7. 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 with 7" Csg Shoe, Saltwater, and/or Elevation Plug if feasible.
8. TOOH w/ tbg to 2347'. Pump 383' Class L cement plug from 2347' to 1964' (**7" Csg Shoe & Saltwater Plug**). Approximately 81 sks @ 1.14 yield. WOC. Tag TOC. Top off as

10/04/2024

needed. Do not omit any plugs listed below. Perforate as needed. Can combine with 4-1/2" Csg Cut Plug if feasible.

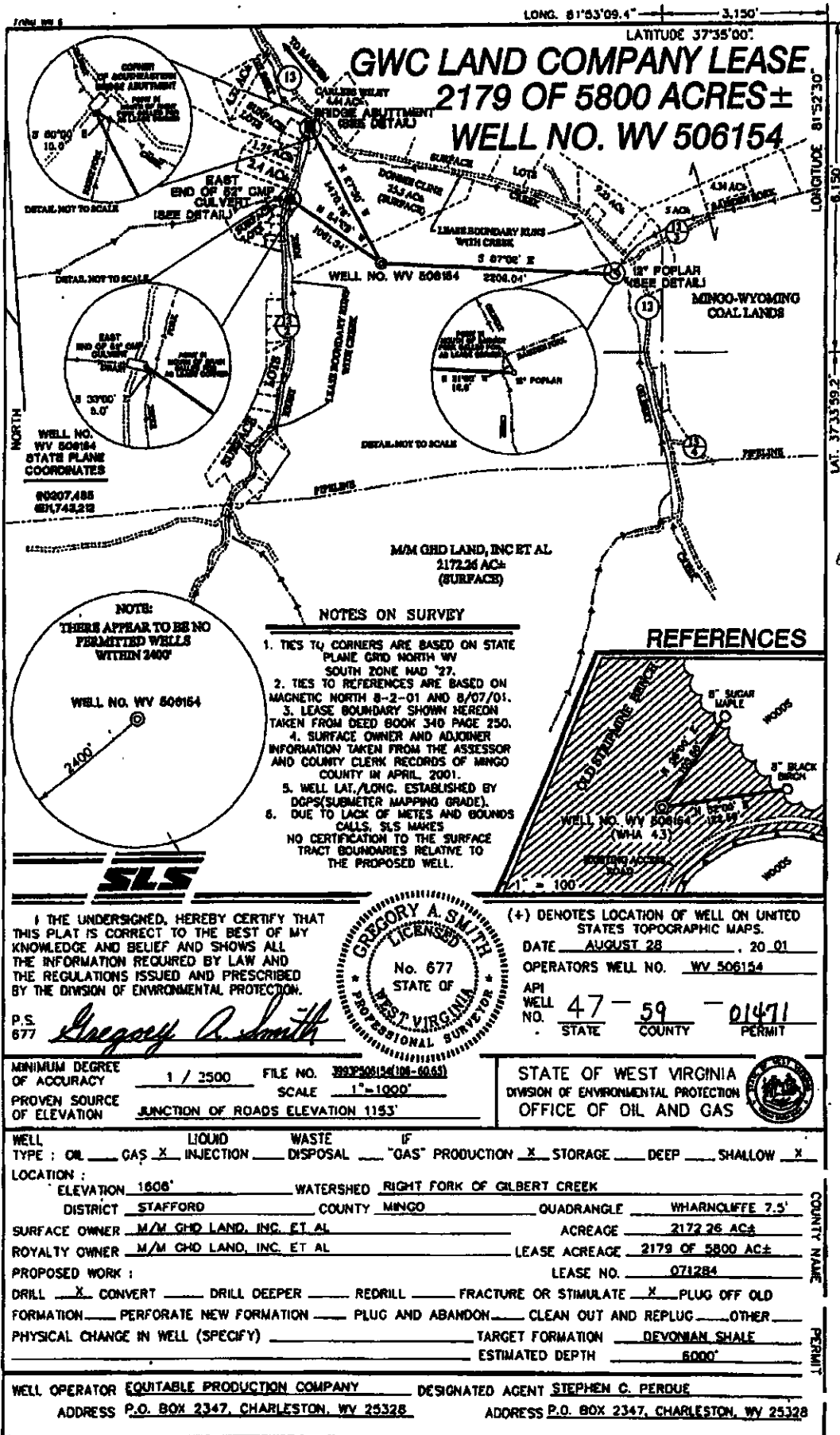
9. TOOH w/ tbg to 1656'. Pump 100' Class I cement plug from 1656' to 1556' (Elevation Plug). Approximately 22 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Can combine with 4-1/2" Csg Cut Plug if feasible.
10. TOOH w/ tbg to 897'. Pump 100' Class I cement plug from 897' to 797' (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.
11. TOOH w/ tbg to 440'. Pump 102' Expanding Class I cement plug from 440' to 228' (Coal Plug). Approximately 22 sks @ 1.14 yield. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. 200 *Blk*
12. TOOH w/ tbg to 150'. Pump 150' Class I cement plug from 150' to Surface (13-3/8" Csg Shoe, Fresh Water, & Surface Plug). Approximately 32 sks @ 1.14 yield. Top off as needed. Perforate as needed.
13. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

*Plan to cover all soil & log formation
in and about well, elements, and as fresh water*



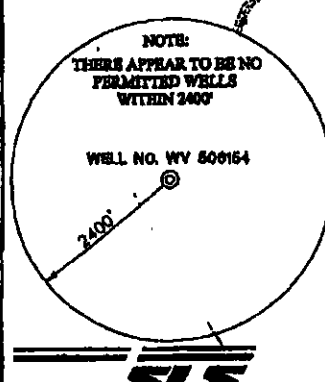
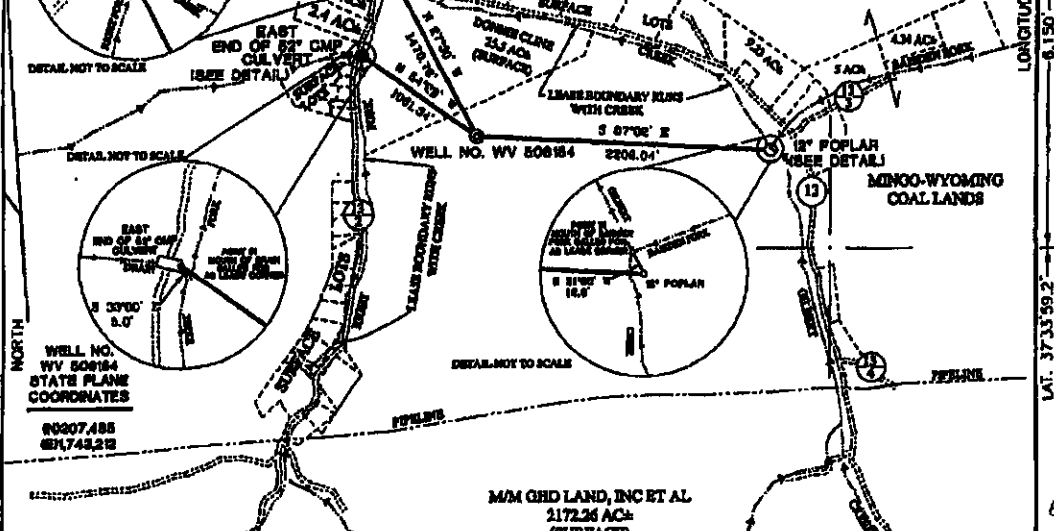
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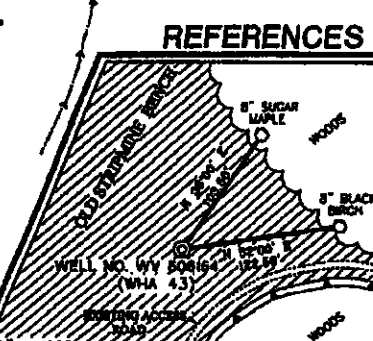


GWC LAND COMPANY LEASE
2179 OF 5800 ACRES ±
WELL NO. WV 506154

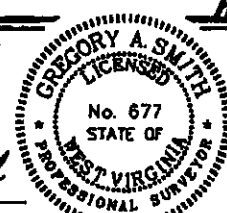
LONG. 81°53'09.4" 3.150'
 LATITUDE 37°35'00"



- NOTES ON SURVEY**
1. TIES TO CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 8-2-01 AND 8/07/01.
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 340 PAGE 250.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN APRIL, 2001.
 5. WELL LAT./LONG. ESTABLISHED BY DGPS/SUBMETER MAPPING (GRADE).
 6. DUE TO LACK OF METES AND BOUNDS CALLS, SLS MAKES NO CERTIFICATION TO THE SURFACE TRACT BOUNDARIES RELATIVE TO THE PROPOSED WELL.



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE AUGUST 28, 20 01
 OPERATORS WELL NO. WV 506154
 API WELL NO. 47-59-01471
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 399P308154 (18-00-03)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1153' SCALE 1"=1000'

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

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

LOCATION: ELEVATION 1808' WATERSHED RIGHT FORK OF GILBERT CREEK
 DISTRICT STAFFORD COUNTY MINGO QUADRANGLE WHARNCLIFFE 7.5'

SURFACE OWNER M/M GHD LAND, INC. ET AL ACREAGE 2172.26 AC±
 ROYALTY OWNER M/M GHD LAND, INC. ET AL LEASE ACREAGE 2179 OF 5800 AC±

PROPOSED WORK: LEASE NO. 071284
 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 6000'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN C. PERDUE
 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328

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

Revised: MB

Well Operator's Report of Well Work

Farm Name: M/M GHD Land, Inc. Operator Well No.: 506154

LOCATION: Elevation: 1808' Quadrangle: Wharnciff

District: Stafford

County: Mingo

Latitude: 6150 Feet South of 37 Deg. 36 0 Seconds
Longitude: 3150 Feet West of 81 Deg. 52 30

Company: Equitable Production Company
P.O. Box 2347, 1710 Pennsylvania Avenue
Charleston, WV 25326

Agent: Stephen G. Perdue

Inspector: Offie Helmick

Permit issued: 9/25/2001

Well work commenced: 01/29/02

Well work completed: 02/28/02

Verbal Plugging

Permission granted on: _____

Rotary Rig X Cable Rig _____

Total Depth 5880 feet

Fresh water depths (ft) 60'

Salt water depths (ft) 2014'

Is coal being mined in area? _____

Coal Depths (ft): 248'-249'; 388'-390'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	32'	32'	grouted
9 5/8"	847'	847'	334 ft ³
7"	2297'	2297'	540.05 ft ³
4 1/2"	5886'	5886'	421.6 ft ³

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See Attach
for details

OPEN FLOW DATA

Producing formation Lower Shale; Upper Shale; Berea; Big Lime

Pay Zone Depth (ft): _____

Gas: Initial open flow 21.06 MCF/d

Oil: Initial open flow _____ Bbl/d

Final open flow: 1157 MCF/d

Final open flow: _____

Time of open flow between initial and final tests _____ Hours

Static rock pressure 596 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. Drury
For: Equitable Production Company

By: Shirley A. Davis
Date: 3/13/02

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

Well: WV-506154-GWC

API# 47-059-01471

Date	02/20/02	02/20/02	02/20/02	02/20/02		
Acid, N ₂ , Foam, Water			Foam	Displacement		
Zone Treated	Lower Shale	Upper Shale	Berea	Big Lime		
# Perfs	40	50	30	20		
From - To:	5205' - 5865'	4114.5' - 5081'	3995' - 4024'	3166' - 3390'		
BD Pressure @ psi	3400	2710	0	2430		
ATP psi	3200	2430	2045	2860		
Avg. Rate, B-S/M, S-SCF/M	64,600 S	52,833 S	32 B (foam)	20 B (foam)		
Max. Treat Press psi	3340	2480	2130	3280		
ISIP psi	2770	1830	1340	1190		
Frac Gradient	.61	.47	.43	.80		
10 min S-I Pressure	1970	1190 (5 min)	930 (5 min)	2350 (5 min)		
Material Volume			500			
Sand-sks			226	2		
Water-bbl	12.8	1 1/2 bbls				
SCF N ₂	802,879	975,410	445,513	221,912		
Acid-gal	672 gal 7 1/2%	750 gal 8.3%	500 gal 15.9%	2500 gal 15.9%		
NOTES:						

TOP	BOTTOM	FORMATION	REMARKS
		Coal	248'-249'; 388'-390' Water @ 60' & 2014'
1200'	1835'	SALT SAND:	
		UPPER	
2365'	2470'	MAXTON:	GT @ 2770' = NS
		MIDDLE	
2605'	2760'	MAXTON:	
		LOWER	
2910'	2925'	MAXTON:	GT @ 3047' & 3173' = NS
2975'	3043'	LITTLE LIME:	GT @ 3420' = NS
3046'	3400'	BIG LIME:	GT @ 3947' = NS
3508'	3650'	WEIR:	GT @ 4038' = 14.9 mcfd
3969'	3996'	SUNBURY:	GT @ 4255' = 21.06 mcfd
3996'	4026'	BEREA:	GT @ 4627' = 21.06 mcfd
4310'	4327'	GORDON:	GT @ 4934' & 5554' = 21.06 mcfd
5010'	5433'	LOWER HURON:	
		LOWER HURON	
5030'	5083'	SILTSTONE:	
5433'	5580'	JAVA:	GT @ 5554' = 21.06 mcfd
5580'	5778'	ANGOLA:	
5778'		RHINESTREET:	
5880'		TD:	GT @ 5880' = 21.06 mcfd

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 WV Department of
 Environmental Protection

WW-4A
Revised 6-07

1) Date: 9/24/2024
2) Operator's Well Number Greater Wise Land Co 506154

3) API Well No.: 47 - 059 - 01471

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>See Attached</u>	Name <u>Frasure Creek Mining, LLC</u>
Address _____	Address <u>4978 Teays Valley Rd.</u>
	<u>Scott Depot, WV 25561</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Brian Warden</u>	(c) Coal Lessee with Declaration
Address <u>49 Elk Creek Rd.</u>	Name <u>North Springs Resources, LLC</u>
<u>Delbarton, WV 25670</u>	Address <u>4978 Teays Valley Rd.</u>
Telephone <u>(304) 205-3229</u>	<u>Scott Depot, WV 25561</u>

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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

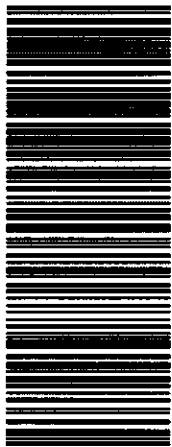
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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.

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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 1005 9222 27



OTTAWAY TRENT
PO BOX 369
IAEGER WV 24844-0369

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25301
C4000004
Retail
4.0 OZ/FLAT



0901000010727



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OTTAWAY TRENT
PO BOX 920
WELCH WV 24801-0920

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25301
C4000004
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4.0 OZ FLAT

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

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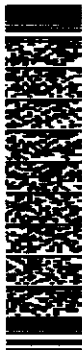


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M/M-GHD LAND INC
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SUMMERSVILLE WV 26651

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Permitting Department
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CHARLESTON WV 25301

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J & S LAND HOLDINGS LLC
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PRINCETON WV 24740-1988



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C4000004
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4.0 OZFLAT



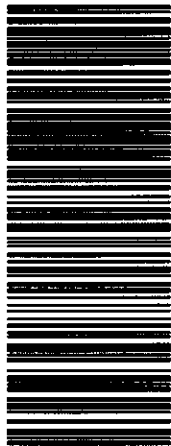
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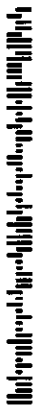
10/04/2024

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Permitting Department
414 SUMMERS STREET
2ND FLOOR
CHARLESTON WV 25301

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NORTH SPRINGS RESOURCES LLC
4978 TEAYS VALLEY RD
SCOTT DEPOT WV 25560-9509

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

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2024-09-24
25301
C4000004
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4.0 OZ FLAT



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10/04/2024

API 47-059-01471

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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10/04/2024

API 47-059-01471

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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Office of Oil and Gas
SEP 29 2024
WV Department of
Environmental Protection

10/04/2024

SURFACE OWNER WAIVER

Operator's Well
Number

4705901471

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 revision 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 _____

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WW-4B

API No. 4705901471
Farm Name M/M GHD Land, Inc et al
Well No. Greater Wise Land Co 506154

**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 _____

10/04/2024

WW-9
(5/16)

API Number 47 - 059 - 01471
Operator's Well No. Greater Wise Land Co 508154

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) Right Fork of Gilbert Creek Quadrangle Warnclyffe 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

Subscribed and sworn before me this 04th day of September, 2024

[Signature] Notary Public

My commission expires 7/26/09



10/04/2024

Proposed Revegetation Treatment: Acres Disturbed 4-1 ac. Prev. vegetation pH NA

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

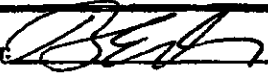
Seed Mixtures

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: 

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Comments:

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Title: 

Date: 9 24 24

Field Reviewed? Yes

No



DIVERSIFIED
energy

Date: 9/24/2024

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 4705901471 Well Name Greater Wise Land Co 506154

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

Sincerely,

Diversified Energy Permitting Department

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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)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

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

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
300 Diversified Way
Plymouth, KY, 41051

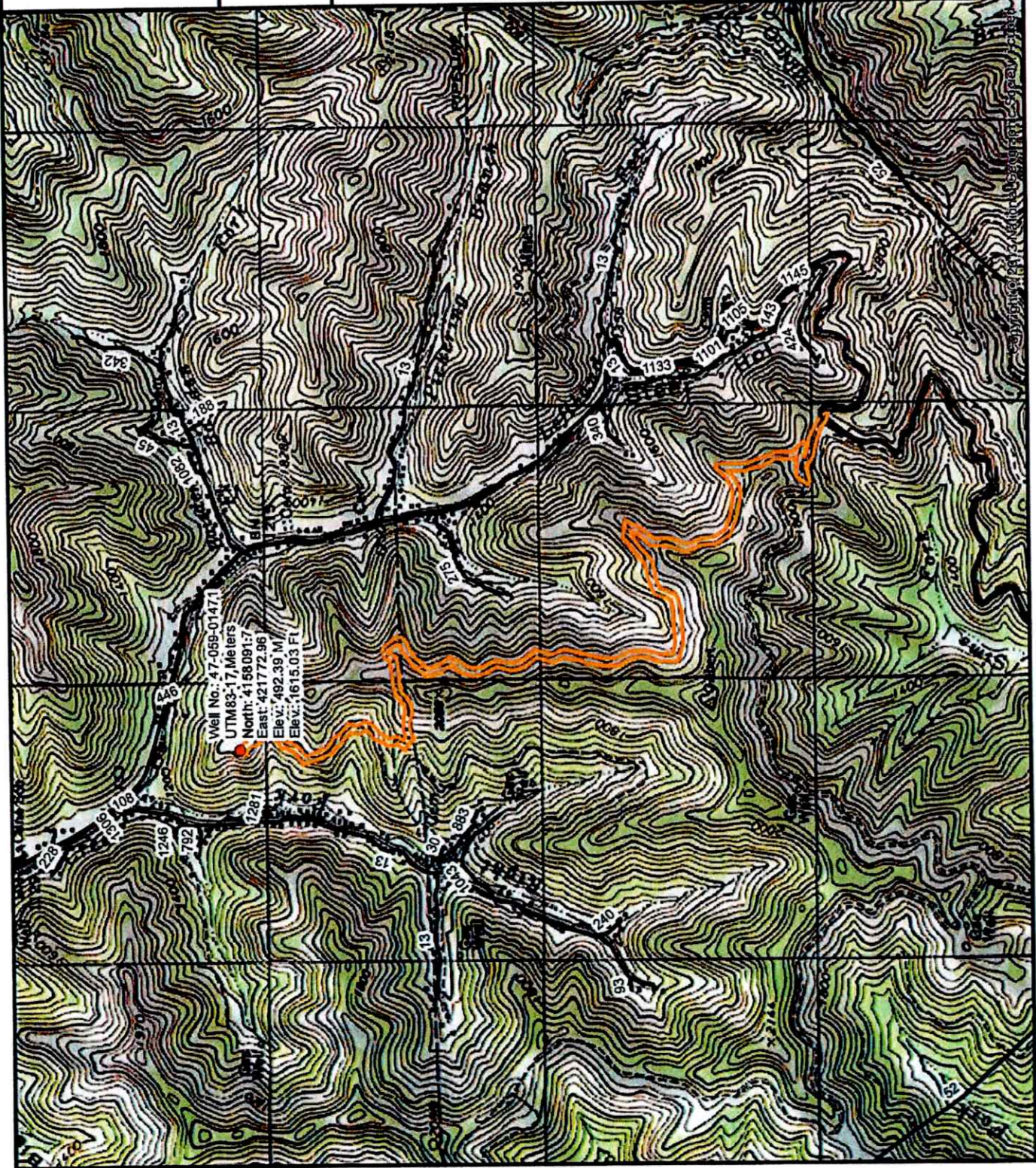
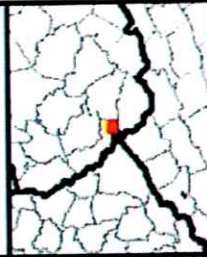
47-059-01471

Well Plugging Map

Legend

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

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

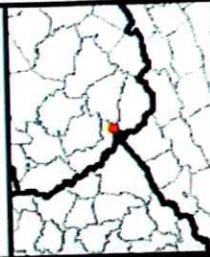
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Well Plugging Map

Legend

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

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Source: USGS, National Geographic, and the Big User Community

WW-7
8-30-06



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

API: 4705901471 WELL NO.: Greater Wise Land Co 506154

FARM NAME: M/M GHD Land, Inc et al

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

UTM GPS NORTHING: 4158091.7

UTM GPS EASTING: 421772.96 GPS ELEVATION: 1615.03'

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 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

9/27/2024
Date

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11/10/2016

PLUGGING PERMIT CHECKLIST
4705901471

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SEP 26 2024

WV Department of
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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

24

Form: WW - 2B

59.01471

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

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

2) Operator's Well Number: GWC Land Co. 506154 3) Elevation: 1606'

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

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

6) Proposed Total Depth: 5875 Feet

7) Approximate fresh water strata depths: 100', 384'

8) Approximate salt water depths: None Reported

9) Approximate coal seam depths: 45', 237', 382'

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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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	26'	28'	N/A
Fresh Water	9 5/8"	L.S.	26	500'	500'	C.T.S
Coal						
Intermediate						
Production	4 1/2"	J-55	10.5	5875'	5875'	374
Tubing	2 3/8"	J-55	4.6	May not be run, if run will be set 100' less than TD		
Liners						<i>[Signature]</i>

Packers: Kind
Sizes
Depths Set

10/04/2024



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> Fri, Oct 4, 2024 at 12:37 PM
To: james.p.kennedy@wv.gov



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
Action: failed
Status: 5.1.1
Remote-MTA: dns; state.mx1.wvnet.edu. (129.71.2.216, the server for the domain assessor.state.wv.us.)
Diagnostic-Code: smtp; 550 5.1.1 <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 -----

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