



west virginia department of environmental protection

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)

Thursday, August 15, 2024  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for DUNBAR 4  
47-039-04748-00-00

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: DUNBAR 4  
Farm Name: MEDLEY, MACK & JOAN  
U.S. WELL NUMBER: 47-039-04748-00-00  
Vertical Plugging  
Date Issued: 8/15/2024

## 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.

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4703904748 P

WW-4B  
Rev. 2/01

1) Date July 31, 2024  
2) Operator's Well No. MEDLEY MACK JOAN DUNBAR 4  
3) API Well No. 47-039 - 04748

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 1004.25' Watershed Rufner Branch  
District Elk County Kanawha Quadrangle Clendenin 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 Terry Urban Name Next LVL Energy (Diversified Owned)  
Address P.O. Box 1210 Address 104 Helliport Loop Rd  
Clendenin, WV 25048 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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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Amy Urban* Date 8-6-24

08/16/2024

**Plugging Prognosis**

API #: 4703904748

West Virginia, Kanawha County

Lat/Long: 38.488493, -81.468696

Nearest ER: Charleston Area Medical Center: Emergency Room – 501 Morris St, Charleston, WV 25301

**Casing Schedule**

8-5/8" @ 481' – CTS

4-1/2" @ 2110' - Cemented w/ 170 sks – ETOC @ 1246' using 7-7/8" OH & 1.18 yield

TD @ 2132'

? ✓

**Completion**

Big Injun: 1988'-2028' – 41 shots – Frac'd w/ 310 Bbl, 160 sks sand

Fresh Water: 80', 100'

Saltwater: 1250', 1400'

Gas Shows: None Reported

Oil Shows: None Reported

Coal: None Reported

Elevation: 981'

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1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Blow well down. Kill with fluid as necessary.
4. Pump 6% bentonite gel in between all cement plugs.
5. TIH w/ tbg to 2122'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel.
6. Pump 318' Class L cement plug from 2122' to 1804' (Big Injun Completion). 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.
8. TOOH w/ tbg to 1450'. Pump 100' Class L cement plug from 1450' to 1350' (Saltwater Plug). WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Can combine csg cut plug, Saltwater plugs and elevation plug depending on proximity.
9. TIH w/ tbg to 1300'. Pump 100' Class L cement plug from 1300' to 1200' (Saltwater Plug). WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Can combine csg cut plug, Saltwater plugs and elevation plug depending on proximity.
10. TIH w/ tbg and set 100' Class L cement plug across csg cut. 50' in/out of cut. TOOH w/ tbg to top of plug. WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed. Can combine csg cut plug, Saltwater plugs and elevation plug depending on proximity.
11. TOOH w/ tbg to 1031'. Pump 100' Class L cement plug from 1031' to 931' (Elevation Plug). WOC. Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.
12. TOOH w/ tbg to 531'. Pump 100' Class L cement plug from 531' to 431' (8-5/8" Csg Shoe Plug). Tag TOC. Top off as needed. Do not omit any plugs listed below. Perforate as needed.

OK  
Pull 4.5  
Csg Set  
As one plug  
OK

Operator to core w/ the Cement all producing Formations  
Including Elevation, Salt, Coals, Freshwater

*[Signature]*  
8-6-24

08/16/2024

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13. TOOH w/ tbg to 150'. Pump 150' Class L cement plug from 150' to Surface (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.

  
8-6-24

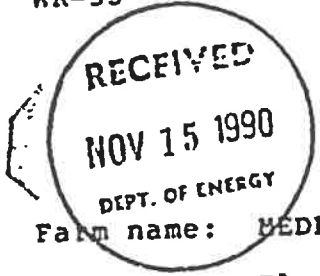
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08/16/2024

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas



Well Operator's Report of Well Work

Farm name: BEDLEY, MACK & JOAN Operator Well No.: DUNBAR #4

LOCATION: Elevation: 981.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA  
Latitude: 4290 Feet South of 38 Deg. 30 Min. 0 Sec.  
Longitude 3010 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: QUAKER STATE CORPORATION  
P.O. BOX 189/1226 PUTNAM HOWE  
BELPRE, OH 45714-0189

Agent: FRANK R. ROTUNDA

Inspector: CARLOS W. HIVELY  
Permit Issued: 06/20/90  
Well work Commenced: 07/19/90  
Well work Completed: 07/23/90  
Verbal Plugging  
Permission granted on: N/A  
Rotary X Cable Rig  
Total Depth (feet) 2132'  
Fresh water depths (ft) 80, 100

Salt water depths (ft) 1250, 1400

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	481'	481'	C.T.S.
4 1/2"	2110'	2110'	170 sx.

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1982-2030  
Gas: Initial open flow -- MCF/d Oil: initial open flow show 20 Bbl/d  
Final open flow 25 MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests -- Hours  
Static rock Pressure -- psig (surface pressure) after -- Hours

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

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

Office of Oil and Gas

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WV Department of Environmental Protection

For: QUAKER STATE CORPORATION

By: Frank Rotunda  
Date: 11-8-90

08/16/2024

KAN 4748



4703904748P

PERF: 1988 - 2028 with 41 shots  
310 bbl. fluid, 160 sx. sand; BD at 1240 PSI, treated at 938 PSI,  
182 BPM

LOG :

surface	0 - 30
silt/shale	30 - 70
sand	70 - 104
shale	104 - 266
silty sand	266 - 522
shale	522 - 566
sand	566 - 728
shale/silt	728 - 834
sand	834 - 919
shale	919 - 1100
sand	1100 - 1132
silt/shale	1132 - 1220
salt sands	1220 - 1664
silt/shale	1664 - 1762
Maxton Sand	1762 - 1806
Little Lime	1806 - 1846
Pencil Cave	1846 - 1854
Big Lime	1854 - 1982
Big Injun	1982 - 2030
silt/shale	2030 - 2132

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**Royalty Owners**

**API 4703904517**

Beverly J Hardman

Harriett H Pepler

Charles W Sigman Jr

Bette Reynolds

Donald Sigman

James Kay

John Hackney

Sandra June Reed

Beverly Ann Sigman

William Corbett Sigmon Jr

Nancy L Kinder

Gloria Lanham

Donna K Whitley

Doris J Sigman

Sondra Reynolds

Kimberly A Staats

Glen Dodd

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**08/16/2024**



FORM WW-2B

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Quaker State Corporation 40400 (4) 258
- 2) Operator's Well Number: Dunbar #4 3) Elevation: 981'
- 4) Well type: (a) Oil X / or Gas /  
(b) If Gas: Production / / Underground Storage / /  
Deep / / Shallow /
- 5) Proposed Target Formation(s): Big Injun
- 6) Proposed Total Depth: 2075' feet
- 7) Approximate fresh water strata depths: 250' @ 310'
- 8) Approximate salt water depths: 1200' OK
- 9) Approximate coal seam depths: N/A OK
- 10) Does land contain coal seams tributary to active mine? Yes / / No X /
- 11) Proposed Well Work: Drill & Stimulate New 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						<u>RESPI. 3</u>
Water	8 5/8"	H-40	23	430	130	C.T.S.
Coal						
Intermediate						
Production	1 1/2"	J-55	9.5	2075	2075	As req'd by 38 CR 18 11.1
Tubing						
Liners						

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PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

19936  
15

For Division of Oil and Gas Use Only  
Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket One  Agent  
(Type)

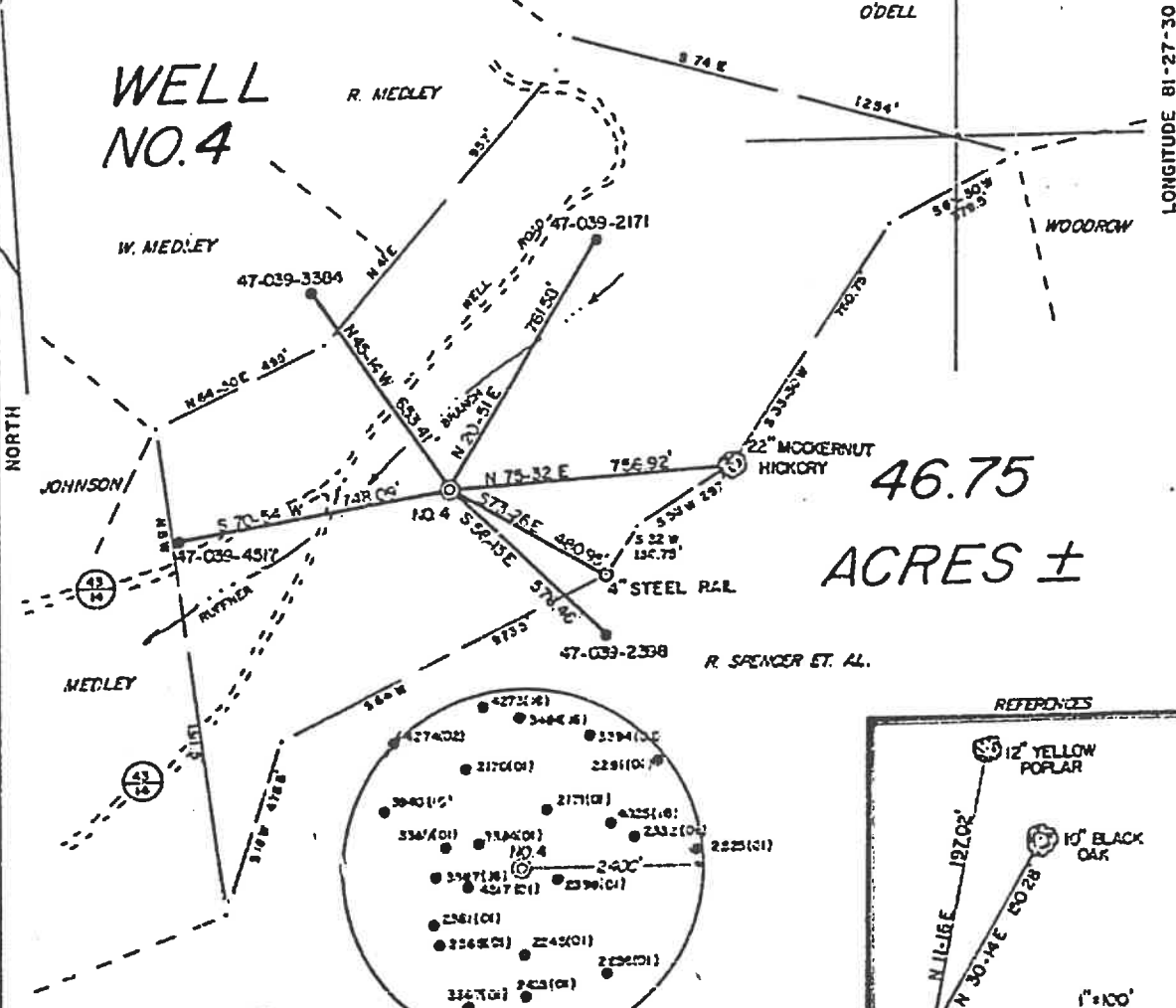
08/16/2024

Y. Annie 6/13/90

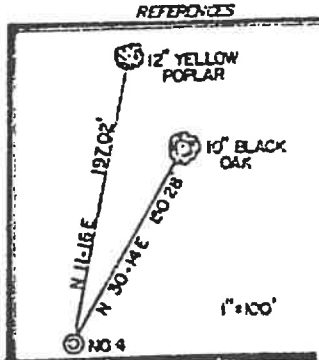
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# DUNBAR LEASE

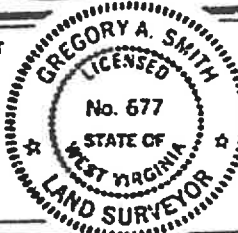
## WELL NO. 4



### 46.75 ACRES ±



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.



L.L.S. Gregory A. Smith  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE APRIL 19, 19 90  
OPERATORS WELL NO. DUNBAR NO. 4  
API WELL NO. 47 - 039 - 4748  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2292 (32-6)  
SCALE 1" = 400'  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1129'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 99' WATERSHED RUFFNER BRANCH  
DISTRICT ELK COUNTY KANAWHA QUADRANGLE BLUE CREEK 73'  
SURFACE OWNER JACK MEDLEY ACREAGE 46.75 OF 65.24  
ROYALTY OWNER ANN LOUISE DUNBAR LEASE ACREAGE 46.75  
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 BIG INJUN  
ESTIMATED DEPTH 2000'

WELL OPERATOR QUAKER STATE CORP. DESIGNATED AGENT FRANK ROTUNDA  
ADDRESS 1226 RUTNAM-HOME DR BELLEVILLE, OHIO 45714 ADDRESS PO BOX 823 PARKERSBURG, WV 26102

LONGITUDE 81-27-30

WV Department of Environmental Protection

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COUNTY NAME KAN  
PERMIT 4748

08/16/2024

SLS

4703904748

WW-4A  
Revised 6-07

1) Date: 7/31/2024  
2) Operator's Well Number MEDLEY MACK JOAN DUNBAR 4

3) API Well No.: 47 - 039 - 04748

**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>Mack &amp; Joan Medley</u>	Name _____
Address <u>1491 Douglas Branch Rd.</u>	Address _____
<u>Elkview, WV 25071</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Anna Louise Dunbar, et al</u>
	Address <u>3127 Branch Ferry Ct.</u>
	<u>Wake Forest, NC 27587</u>
(c) Name _____	Name <u>Mack &amp; Joan Medley</u>
Address _____	Address <u>1491 Douglas Branch Rd.</u>
	<u>Elkview, WV 25071</u>
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1210</u>	Name _____
<u>Clendenin, WV 25048</u>	Address _____
Telephone <u>304-549-5918</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 application 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 reverse 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.

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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 31 day of July, 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](mailto:depprivacyofficer@wv.gov).

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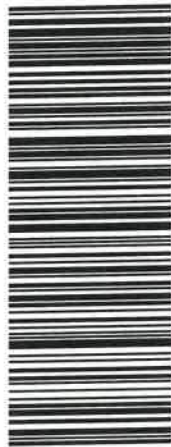
Diversified Gas & Oil Corporation  
Permitting Department  
414 SUMMERS STREET  
2ND. FLOOR  
CHARLESTON WV 25301

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USPS CERTIFIED MAIL™



9407 1362 0855 1608 9204 39



MACK & JOAN MEDLEY  
1491 DOUGLAS BRANCH RD  
ELKVIEW WV 25071-7397

US POSTAGE AND FEES PAID  
2024-08-01  
25301  
C4000004  
Retail  
4.0 OZ FLAT



0901000010761

08/16/2024



**SURFACE OWNER WAIVER**

4703904748P

Operator's Well  
Number

4703904748

**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 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

08/16/2024

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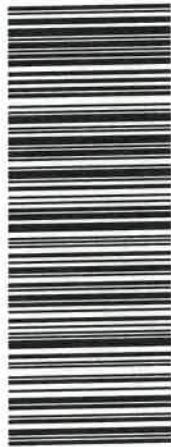
Diversified Gas & Oil Corporation  
Permitting Department  
414 SUMMERS STREET  
2ND. FLOOR  
CHARLESTON WV 25301

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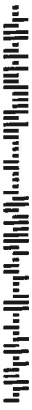
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USPS CERTIFIED MAIL™



9407 1362 0855 1608 9276 36



ANNA LOUISE DUNBAR, ET AL  
3127 BRANCH FERRY CT  
WAKE FOREST NC 27587-3835

US POSTAGE AND FEES PAID  
2024-08-01  
25301  
C4000004  
Retail  
4.0 OZ FLAT  
0901000010751



08/16/2024

WW-4B

47039047480

API No. 4703904748  
Farm Name Medley  
Well No. MEDLEY MACK JOAN DUNBAR 4

**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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**DIVERSIFIED**  
energy

4703904748P

Date: 7/31/2024

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 4703904748 Well Name MEDLEY MACK JOAN DUNBAR 4

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.

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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)

API Number 47 - 039 - 04748  
Operator's Well No. MEDLEY MACK JOAN DUNBAR 4

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) Rufner Branch Quadrangle Clendenin 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

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Additives to be used in drilling medium? N/A

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

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

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-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 31 day of July, 2024

My commission expires September 28, 2028



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

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 \_\_\_\_\_

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Title: Inspect Oil & Gas Date: 8-6-24

Field Reviewed?  Yes  No





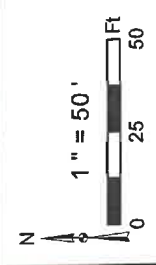
Diversified Gas & Oil Corporation  
100 Diversified Way  
Pikeville KY, 41051

47-039-04748  
Well Plugging Map

**Legend**

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

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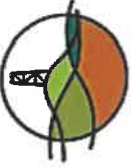
Well No.: 47-039-04748  
UTM83-17, Meters  
North: 4260083.24  
East: 459129.69  
Elev.: 306.17, M  
Elev.: 1004.25, Ft

Primary Pit  
Secondary Pit

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



4703904748P








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

47-039-04748

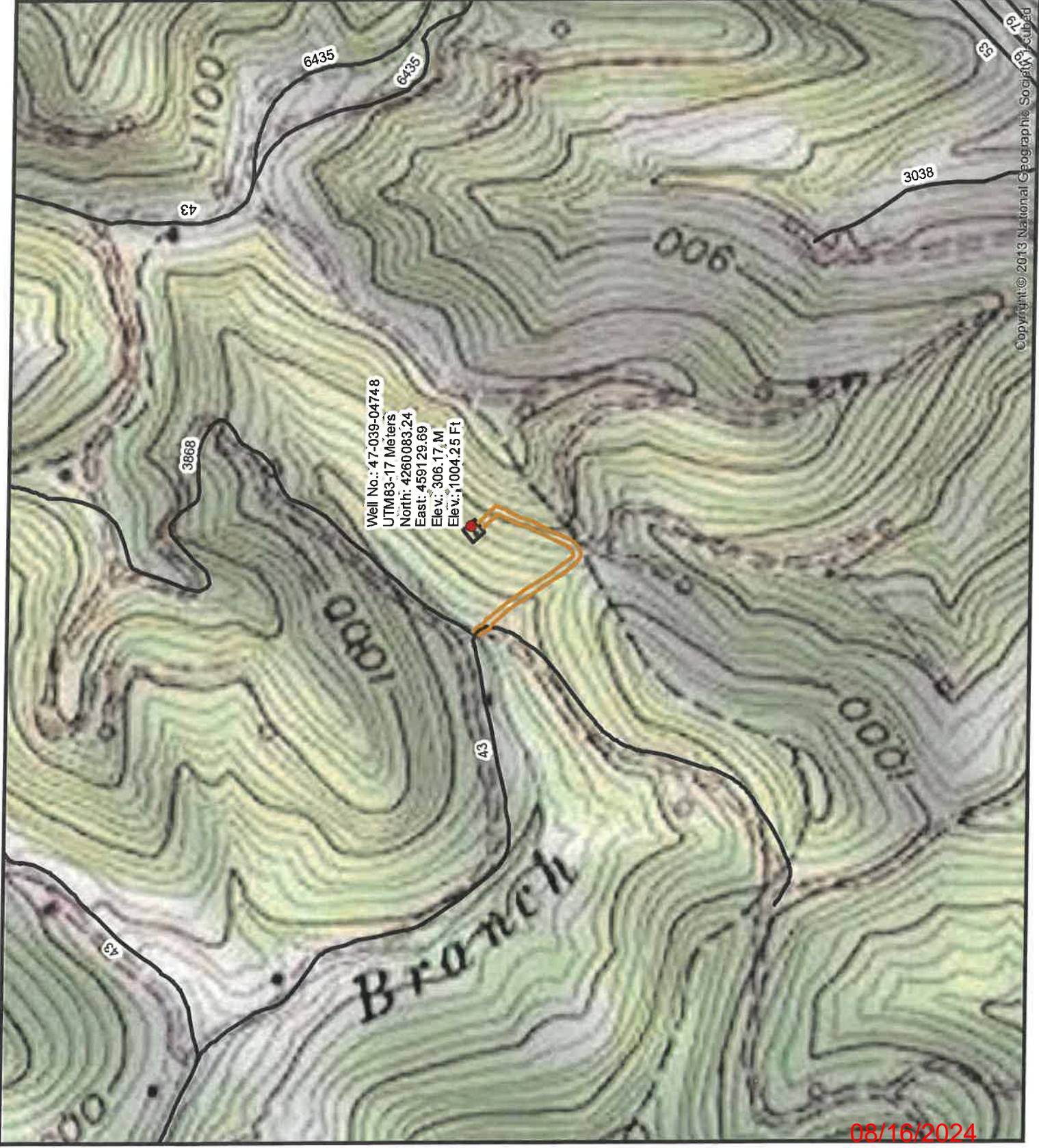
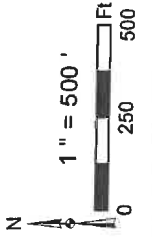
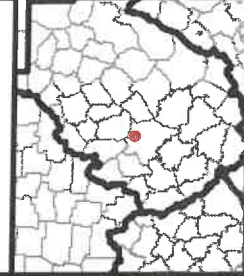
Well Plugging Map

**Legend**

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

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Well No.: 47-039-04748  
 UTM83-17 Meters  
 North: 4260083.24  
 East: 459129.69  
 Elev.: 306.17 M  
 Elev.: 1004.25 Ft

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08/16/2024



WW-7  
8-30-06

4703904748P



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

API: 4703904748 WELL NO.: MEDLEY MACK JOAN DUNBAR 4

FARM NAME: Medley

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Kanawha DISTRICT: Elk

QUADRANGLE: ~~Glendenin 7.5'~~ BLUE CREEK 7.5'

SURFACE OWNER: Mack & Joan Medley

ROYALTY OWNER: See Attached

UTM GPS NORTHING: 4260083.24

UTM GPS EASTING: 459129.69 GPS ELEVATION: 1004.25'

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

- 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

7/31/24  
Date

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**DIVERSIFIED**  
energy

4703904748P

July 31, 2024

Terry Urban  
PO Box 1208  
Clendenin, WV 25046

Mr. Urban,  
Please find enclosed a Permit Application to plug API# 47-039-04748, in Kanawha County, WV.

If you have any questions, comments, or if you require additional information, please feel free to contact me at 304-590-7707.

Thank You,

**Chris Veazey**  
Permitting Supervisor

**Diversified Energy Company**  
414 Summers St.  
Charleston, WV 25301  
(304) 590-7707  
Email: cveazey@dgoc.com

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414 Summers Street  
Charleston, WV 25301

08/16/2024

11/10/2016

PLUGGING PERMIT CHECKLIST  
4703904748

## 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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