



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

Thursday, June 6, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 37
47-079-00380-00-00

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: McLEAN, J. L.
U.S. WELL NUMBER: 47-079-00380-00-00
Vertical Plugging
Date Issued: 6/6/2024

Promoting a healthy environment.

06/07/2024

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.

4707900380

WW-4B
Rev. 2/01

1) Date May 1, 2024
2) Operator's
Well No. MCLEAN J L 37
3) API Well No. 47-079 - 00380

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 776.32' Watershed Unnamed tributary of Sycamore Branch
District Pocatalico County Putnam Quadrangle Bancroft 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chuck Shafer
Address 414 Summers Street Address 414 Summers Street
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified Name Joe Taylor 9) Plugging Contractor Name Next LVL Energy (Diversified Owned)
Address 1478 Claylick Rd. Address 104 Helliport Loop Rd
Ripley, WV 25271 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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Office of Oil and Gas

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WV Department
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 5-8-24

06/07/2024

Plugging Prognosis

API #: 4707900380

West Virginia, Putnam County

Lat/Long: 38.56864, -81.771499

Quadrangle_15: Winfield

Nearest ER: Putnam County Emergency Medical Services – 100 Emergency Ln, Winfield, WV 25213

Casing Schedule:

16" conductor @ 23' (no cement data)

13" csg @ 277' (no cement data)

10" csg @ 856' (no cement data)

8" csg @ 2008' (Pulled)

7" csg @ 4778' (CTS from CBL ran on primary P&A job)

TD @ 4899'

Completion: Perforated: 4864'-4879'

Fresh Water: 40'

Salt Water: 1520'-1570'

Gas Shows: 1755'-1760'; 3140'; 3940'-3950'; 4864'-4866'; 4869'-4871'

Oil Shows: None listed

Coal: None listed

Elevation: 794'

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1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hrs prior to commencing operations.
2. MIRU service rig and ancillary equipment. Rig up to drill/mill out and take returns.
3. Drill cement out of 7" to TD.
4. TIH w/ tbg to 4879'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 151' Class L cement plug from **4879' to 4728' (completion, gas shows and 7" csg shoe plug)**. Tag TOC. Top of as needed.
5. TOOH w/ tbg to 4728'. Pump 6% bentonite gel from 4728' to 3950'.
6. TOOH w/ tbg to 3950'. Pump 110' Class L cement plug from **3950' to 3840' (Gas show plug)**.
7. TOOH w/ tbg to 3840'. Pump 6% bentonite gel from 3840' to 3140'.
8. TOOH w/ tbg to 3140'. Pump 100' Class L cement plug from **3140' to 3040' (Gas show plug)**.
9. TOOH w/ tbg to 3840'. Pump 6% bentonite gel from 3840' to 1760'.
10. TOOH w/ tbg to 1760'. Pump 290' Class L cement plug from **1760' to 1470' (Gas show and saltwater plug)**.
11. TOOH w/ tbg to 1470'. Pump 6% bentonite gel from 1470' to 906'.
12. TOOH w/ tbg to 906'. Pump 162' Class L cement plug from **906' to 744' (10" Csg shoe and elevation plug)**.
13. TOOH w/ tbg to 744'. Pump 6% bentonite gel from 744' to 327'.
14. TOOH w/ tbg to 327'. Pump 100' Class L cement plug from **327' to 227' (13" csg shoe plug)**.
15. TOOH w/ tbg to 227'. Pump 6% bentonite gel from 227' - 100'



5-8-24

06/07/2024

4707900380P

16. TOOH w/ tbg to 100'. Pump 100 Class L cement plug from 100' to Surface (Surface plug).
17. Reclaim well site and erect plugging monument to WV DEP specifications.

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5-8-24

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WV Department of
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06/07/2024

Out-390

WELL RECORD

SERIAL NO. 1259 OPERATING DISTRICT PN
 FARM J. L. McLean NO. 37 LEASE NO.
 COUNTY Putnam TAX DISTRICT TOWNSHIP Pocataligo STATE W. Va.
 DRILLING COMMENCED October 25, 1947 DRILLING COMPLETED April 14, 1948

CONTRACTOR D. E. Williamson & Son ADDRESS Charleston, W. Va.
 ROCK PRESSURE RECORD PRODUCING SAND RECORD

Oriskany Sand	1760 lbs. in	10 1/2 hrs.	Oriskany Sand, from	4364 to 4874	Init. Prod.	1,309 Bbls. F. Gas
Sand	lbs. in	hrs.	Sand, from	to	Init. Prod.	M. C. F. Gas
Sand	lbs. in	hrs.	Sand, from	to	Init. Prod.	M. C. F. Gas

OPEN FLOW Time, Condition: 1/2 hr. After shot. CASING RECORD

10ths Water Mercury in inch opening	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
Volume 4,378 M. C. F.	16"	62.57	23	23	
24 HOUR PRODUCTION TEST AFTER TUBING	13"	48	277	277	Half coupling casing shoe
M. C. F. Line Pressure	10"	32.75	802	856	10" x 12" casing shoe
Bbls. Oil in 24 Hours	8"	24	2008	-	8" casing pulled
TUBED AND SHUT IN Date	7"	23	4778	4778	7" x 16" Casing shoe.

SHOOTING RECORD

Perf. Top Bottom Acid Shot with 30 qts. from 4864 to 4879 Date April 16, 1948
 ELEVATION: 794.43 Gauge Before { Acid Shot 232 M. Gauge 30 Min. After { Acid Shot 4,378 Mof.

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Shale		0	35					
Sand		35	55			Water	40	2 bailers per hour.
Redrock		55	140					
Slate		140	166					
Redrock		166	190					
Slate		190	220					
Sand		220	240					
Slate		240	273					
Sand		273	290					
Slate		290	320					
Redrock		320	330					
Slate		330	350					
Redrock		350	376					
Slate		376	395					
Redrock		395	445					
Slate		445	510					
Redrock		510	520					
Slate		520	540					
Redrock		540	556					
Slate & Shell		556	665					
Redrock		665	675					
Slate		675	690					
Sand		690	730					
Slate		730	745					
Sand		745	760					

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APR 1948 WEST VIRGINIA DEPARTMENT OF MINES

SERIAL NO. 1259 FARM NO. OPERATING DIST. TOWNSHIP MAP SQUARE LOT NO. WARRANT NO.

06/07/2024

4707900380P

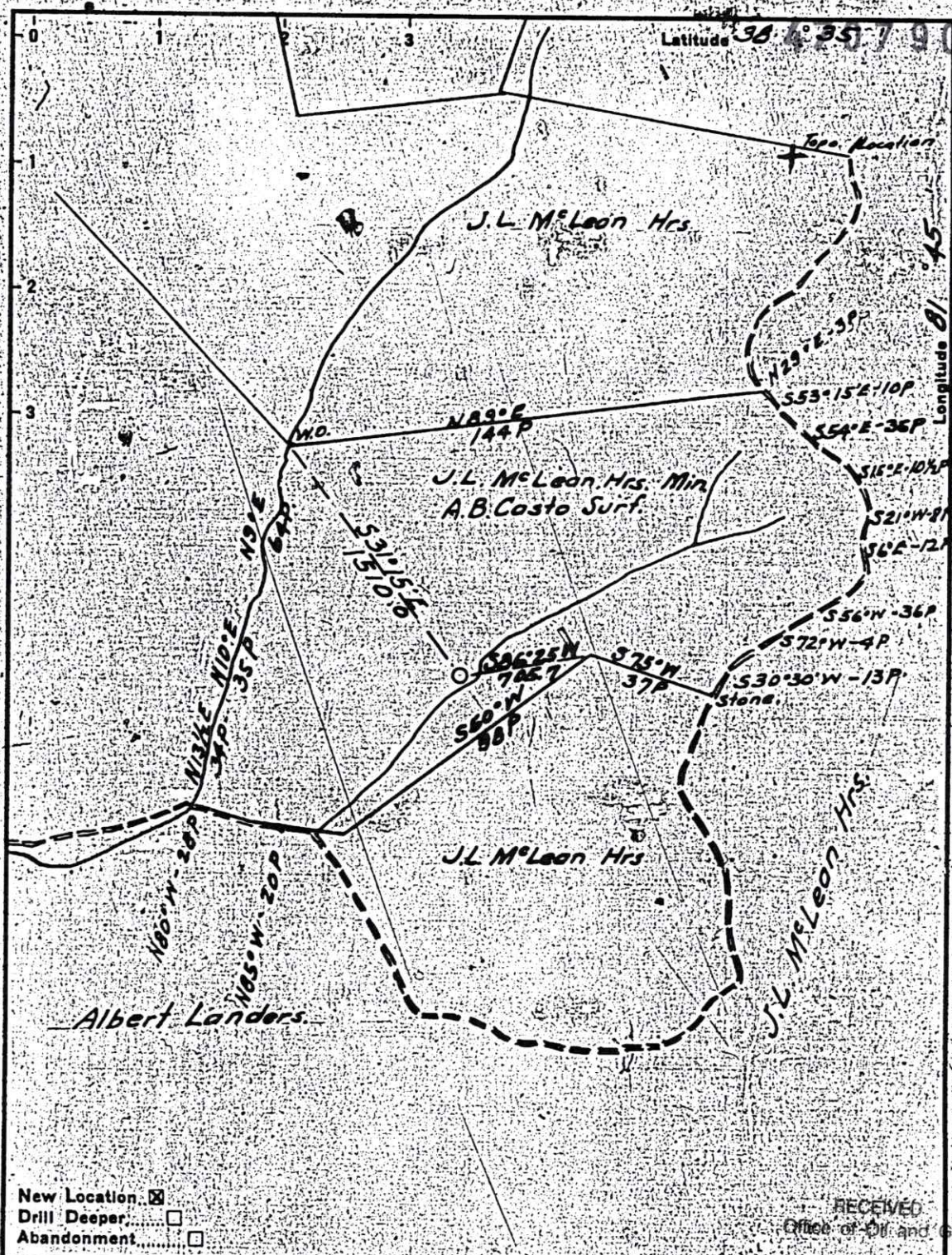
FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Slate		760	783					
Sand		783	824					
Slate		824	976					
Sand		975	1003					
Slate & Shell		1003	1083					
Coal		1083	1085					
Lime		1085	1090					
Slate		1090	1140					
Sand		1140	1180					
Slate		1180	1430					
Lime		1430	1460					
Salt sand		1460	1690			Water	1520-1570	Hole full.
Slate & Shell		1690	1705					
Sand		1705	1760			Gas	1755-1760	Show
Big Lime		1760	1910					
Injun Sand		1910	1965					
Slate & Shell		1965	1998					
Lime Shell		1998	2018					
Slate		2018	2050					
Slate & Shell		2050	2380					
Brown Shale		2380	2390					
Berea		2390	2405					
Slate & Shell		2405	3075					
Shale		3075	3240			Gas	3140	Show
Slate		3240	3620					
Brown Shale		3620	3700					
Slate & Shell		3700	3850					
Brown Shale		3850	4125			Gas	3940-3950	Show
Slate & Shell		4125	4250					
Brown Shale		4250	4265					
Slate		4265	4530					
Brown Shale		4530	4764					
Corniferous		4764	4864	4778				
Oriskany		4864	4899	4899		Gas	4864-4865	189 Mcf.
						Gas	4865-4866	313 Mcf.
						Gas	4869-4871	1,309 Mcf.
								RECEIVED
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								MAY 16 2024
								WV Department of Environmental Protection
TOTAL DEPTH			4899					

[Handwritten signature]

DATE _____

APPROVED _____

380P



New Location
 Drill Deeper
 Abandonment

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Company Godfrey L. Cabot Inc.
 Address 900 Union Bldg. Charleston W.V.
 Farm J.L. McLean Hrs
 Tract _____ Acres _____ Lease No. 3-463
 Well (Farm) No. 37 Serial No. 1259
 Elevation (Spirit Level) 794.43
 Quadrangle Winfield
 County Putnam District Pocatalisa
 Engineer Roy Boston
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 9-3-47 Scale 1" = 660'

MAY 16 2022
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Put-380

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Handwritten signature/initials

06/07/2024

47079003809

WW-4A
Revised 6-07

1) Date: 5/1/2024
2) Operator's Well Number MCLEAN J L 37

3) API Well No.: 47 - 079 - 00380

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>Wayne G. Casto</u>	Name <u>None Reported</u>
Address <u>162 Richard Dr.</u>	Address _____
<u>Poca, WV 25159</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Amherst Industries, Inc. c/o Drema Woods</u>
_____	Address <u>#2 Port Amherst Dr.</u>
_____	<u>Charleston, WV 25306</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Rd.</u>	Name <u>None Reported</u>
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>(304) 380-7469</u>	_____

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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 15th day of May, 2024
Jeffrey Bush Notary Public
 My Commission Expires September 28, 2028

Oil and Gas Privacy Notice

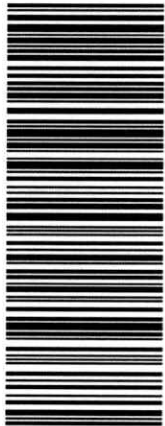
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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

06/07/2024

4707900380P

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

USPS CERTIFIED MAIL™



9407 1362 0855 1933 9074 64



WAYNE G CASTO
162 RICHARD DR
POCA WV 25159-9652

US POSTAGE AND FEES PAID
2024-05-01
25301
C4000004
Retail
4.0 OZ FLAT



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SURFACE OWNER WAIVER

Operator's Well
Number

MCLEAN J L 37

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

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WV Department of Environmental Protection

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

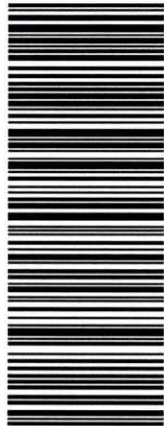
Date

06/07/2024

4707900380P

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

USPS CERTIFIED MAIL™



9407 1362 0855 1933 9470 02



AMHERST INDUSTRIES INC
C/O DREMA WOODS
2 PORT AMHERST DR
CHARLESTON WV 25306-6637

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0891000010717

4707900380P

WW-4B

API No. 4707900380
Farm Name J.L. Mclean
Well No. MCLEAN J L 37

**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 then 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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06/07/2024



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

WV Department
Environmental Protection

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.



DIVERSIFIED
energy

4707900380f

Date: 5/1/2024

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 4707900380 Well Name MCLEAN J L 37

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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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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4707900380P

WW-9
(5/16)

API Number 47 - 079 - 00380
Operator's Well No. MCLEAN J L 37

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) Unnamed tributary of Sycamore Branch Quadrangle Bancroft 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

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WV Department of
Environmental Protection

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Chris Veazey

Company Official (Typed Name) Chris Veazey

Company Official Title Permitting Supervisor



Subscribed and sworn before me this 1st day of May, 2024

Jeffrey Bush Notary Public

My commission expires September 28, 2028

Jeffrey Bush
5-8-24
06/07/2024

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Joe Taylor

Comments: Sediment control will be in place at All Time.

All changes will have to be approved by me or Doug Newland.

RECEIVED
Office of Oil and Gas

MAY 16 2024

WV Department of
Environmental Protection



Title: COG Inspector Date: 5-8-24

Field Reviewed? () Yes () No

4707900380








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

47-079-00380

Plugging Map

Legend

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

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Office of Oil and Gas

MAY 16 2004

W. Decker
Environment
[Signature]



Well No.: 47-079-00380
 UTM83-17, Meters
 North: 4269 192.01
 East: 432790.34
 Elev.: 236.68, M
 Elev.: 776.32, Ft

Secondary Pit
 Primary Pit

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

06/07/2024



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

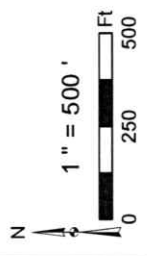
47-079-00380
Plugging Map

Legend

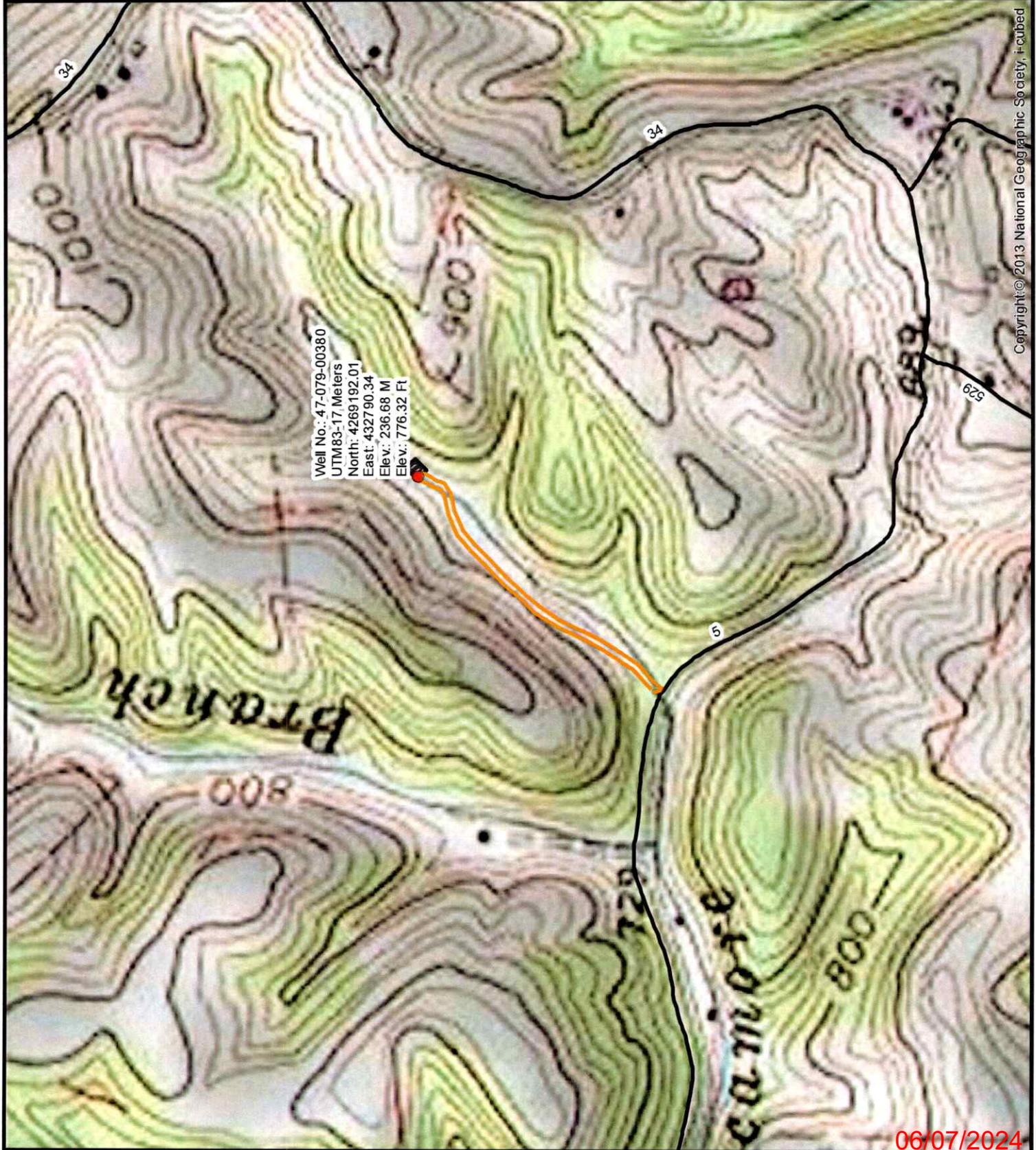
- Well
- Access Road
- Pits
- Pad
- Public Roads

MAY 16 2024

WV Department of Environmental Protection



Well No.: 47-079-00380
 UTM83-17 Meters
 North: 4269192.01
 East: 432790.34
 Elev.: 236.68 M
 Elev.: 776.32 Ft



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WW-7
8-30-06



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

API: 4707900380 WELL NO.: MCLEAN J L 37

FARM NAME: J.L. Mclean

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Putnam DISTRICT: Pocatalico

QUADRANGLE: Bancroft 7.5'

SURFACE OWNER: Wayne G. Casto

ROYALTY OWNER: J.L. Mclean Heirs

UTM GPS NORTHING: 4269192.01

UTM GPS EASTING: 432790.34 GPS ELEVATION: 776.32'

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Office of Oil and Gas

MAY 16 2024

WV Department
Environmental Protection

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.

Chris Veazey
Signature

Chris Veazey - Director of Administration
Title

5/16/2024
Date

4707900380

11/10/2016

PLUGGING PERMIT CHECKLIST
4707900380

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

RECEIVED
Office of Oil and Gas
MAY 16 2024
WV Department of
Environmental Protection

06/07/2024

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: J.L. Mclean Heirs Operator Well No.: MCLEAN J L 37

LOCATION: Elevation: 776.32' Quadrangle: Bancroft 7.5'
District: Pocatalico County: Putnam
Latitude: 4269192.01 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: 432790.34 Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

Company Diversified Energy Coal Operator Amherst Industries, Inc. c/o Drema Woods
414 Summers Street or Owner #2 Port Amherst Drive
Charleston, WV 26301 Charleston, West Virginia 25306
Agent Chris Veazey Coal Operator None Reported
Permit Issued Date 8/3/2023 or Owner _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Putnam ss:

Michael Proctor and Chase White being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 23rd day of October, 2023, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
29 sks of Class L cmt	4879'	4728'	4899' of 2" tbg	0 of 2" tbg
21 sks of Class L cmt	3950'	3840'		
21 sks of Class L cmt	3140'	3040'		
58 sks of Class L cmt	1760'	1470'		
29 sks of Class L cmt	906'	744'		
21 sks of Class L cmt	100'	surface		

Description of monument: 6" csg w/ API # welded on minimum of 30" above ground and that the work of plugging and filling said well was completed on the 2nd day of November, 2023.

And further deponents saith not. Chris Veazey

Sworn and subscribe before me this 29th day of November, 2023

My commission expires: 9/28/2028

Jeffrey Bush
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Jeffrey Bush

Title: Oil Gas Taxes 06/07/2024

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Diversified Production LLC
API No: 4707900380 County: Putnam
District: Pocatalico Well No: MCLEAN J L 37
Farm Name: J.L. Mclean Heirs

Discharge Date/s From:(MMDDYY) 11/3/23 To: (MMDDYY) 11/06/23

Discharge Times. From: _____ To: _____

Total Volume to be Disposed from this facility (gallons): 5460

Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
(2) UIC: _____ Permit No. _____
(3) Offsite Disposal: 5460 Site Location: MudMasters - Friendly, WV
(4) Reuse: _____ Alternate Permit Number: _____
(5) Centralized Facility: _____ Permit No. _____
(6) Other method: _____ (Include an explanation)

Follow Instructions below to determine your treatment category:

Optional Pretreatment test: _____ Cl- mg/l _____ DO mg/l

1. Do you have permission to use expedited treatment from the Director or his representative?
(Y/N) _____ If yes, who? _____ and place a four (4) on line 7.
If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) _____ If yes, go to line 5. If not, go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) _____ If yes, go to line 4
If not, go to line 5.
4. Is the Chloride level less than 5000 mg/l? (Y/N) _____ If yes, then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (See above) (Y/N) _____ If yes, go to line 6
If not, enter a three (3) in line 7.
6. Is the DO level greater than 2.5 mg/l?(Y/N) _____ If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
7. _____ is the category of your pit. Use the Appropriate section.
8. Comments on Pit condition: _____

Name of Principal Exec. Officer: Nicholas Bumgardner

Title of Officer: Permitting Supervisor

Date Completed: 5/16/2024

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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 and imprisonment.

Nicholas Bumgardner

Digitally signed by Nicholas Bumgardner
Date: 2024.05.16 13:56:23 -04'00'

Signature of a Principal Exec. Officer or Authorized agent.

06/07/2024

Category 1
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	5	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl	5,000	_____	5,000	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

*** Al is only reported if the pH is above 9.0

Category 2
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	10	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____

Date: _____

** Include a description of your aeration technique.

Aeration Code: _____

*** Al is only reported if the pH is above 9.0

Category 3
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	20	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____
 ** Include a description of your aeration technique. Aeration Code: _____
 *** Al is only reported if the pH is above 9.0.

Category 4
Sampling Results
API No: _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	1	_____	N/A	N/A	Days
Fe	Monitor	_____	Monitor	_____	mg/l
D.O.	Monitor	_____	Monitor	_____	mg/l
Settleable Sol.	Monitor	_____	Monitor	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Activated Carbon (0.175)		_____	N/A	N/A	lb/B1
Date Site Reclaimed	N/A	N/A			10 days from dis.
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____ 06/07/2024



Drilling Fluids Manifest

Mud Masters Facility:
160 Industrial Pkwy
Friendly, WV 26146
304-814-1926

162041

Dispatch Office: 740-826-7674

TRUCK

Date: 11-6-23 Driver Manifest #: 00380.003
 Time In: 0800 (Military Time) Time Out: 0820 (Military Time)
 Fluid Generator: Next level Invoice To: Next level
 Pad / Well Name: Rig 5 Transporter: Next level
 Truck No.: 22 State: WV County: Putnam UIC# 25-744
 Fluid Type: Pit Water Solids: % 4" Weight (lbs.) —
 T. Norm: 7.5 bbls off loaded up front 90 bbls off loaded in pit —

WASH OUT

Wash Out: Yes No Time In _____ Time Out _____
 Washout bbls of Waste _____ Extra Hours _____ T Norm _____

BRINE

10.5 # In _____ 10.5 # Out _____ 10 # Out _____ Other _____ # Out _____
 Transport Truck Clean Yes No

BOX

Box # _____ T NORM _____ Fluid Type _____
 Washed Out Yes No Extra Hours _____ Weight (lbs) _____
 Lab Yes No

COMMENTS

Driver Printed Name: James Cool Driver Signature: [Signature] 06/07/2024
 Mud Masters Office: PO Box 409 • New Concord, OH 43762 • 740-826-7674



Drilling Fluids Manifest

Mud Masters Facility:
160 Industrial Pkwy
Friendly, WV 26146
304-814-1926

Dispatch Office: 740-826-7674

164596

TRUCK

Date: 11/3/23 Driver Manifest #: 0038.002
Time In: 15:57 (Military Time) Time Out: 16:51 (Military Time)
Fluid Generator: Next LVL Invoice To: Next LVL
Pad / Well Name: McLennan II Transporter: Next LVL
Truck No.: 27 State: WV County: Putnam UIC# _____
Fluid Type: Salt Water Solids: % 2% Weight (lbs.) _____
T. Norm: Lo bbls off loaded up front 40 bbls off loaded in pit _____

WASH OUT

Wash Out: Yes _____ No _____ Time In _____ Time Out _____
Washout bbls of Waste _____ Extra Hours _____ T Norm _____

BRINE

10.5 # In _____ 10.5 # Out _____ 10 # Out _____ Other _____ # Out _____
Transport Truck Clean Yes _____ No _____

BOX

Box # _____ T NORM _____ Fluid Type _____
Washed Out Yes _____ No _____ Extra Hours _____ Weight (lbs) _____
Lab Yes _____ No _____

COMMENTS

Driver Printed Name: David Posey Driver Signature: [Signature]
Mud Masters Office: PO Box 409 • New Concord, OH 43762 • 740-826-7674

06/07/2024