



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

Tuesday, May 25, 2021
WELL WORK PERMIT
Vertical / Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for 9083
47-039-01765-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: 9083
Farm Name: DICKINSON, SALLIE J.
U.S. WELL NUMBER: 47-039-01765-00-00
Vertical Plugging
Date Issued: 5/25/2021

I

4703901765P

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. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

05/28/2021

1) Date March 23, 2021
2) Operator's
Well No. 809083
3) API Well No. 47-039 - 01765

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 X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X
- 5) Location: Elevation 1,502.9 ft Watershed Morris Fork Blue Creek
District Elk County Kanawha Quadrangle Mammoth
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R & J Well Services, Inc.
Address P.O. Box 1207 Address P.O. Box 40
Clendenin, WV 25045 Hueysville, KY 41640-0040

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached
*Operator to Cover with Cement All parts of Oil Gas
bearing formations including Salt, Elevation, Coal & Freshwater
Zones*

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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 *[Signature]* Date 5-11-21

PLUGGING PROGNOSIS

API# 47-039-01765

West Virginia, Kanawha County

38.3014331360665, -81.3637675760748

Nearest ER: Charleston Area Medical Center: 501 Morris St. Charleston, WV 25301

Casing Schedule

10" csg @ 32'

8 ¼" csg @ 661'

7" csg @ 1977'

3 ½" tbg @ 2033' w/ 3x7 packer @ 1985'

TD 2033'

10'-20 FL showed dry hole

Completion: Natural**Fresh Water:** 790', 1050'**Gas Shows:** 2000'-2025' (Maxon)**Oil Show:** No shows**Coal:** 247', 452'**Elevation:** 1490'

1. Notify Inspectors Allen Flowers @304-522-8308, Terry Urban @ 304-549-5915, 48 hours prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline.
4. Attempt to pull 3 ½" csg and packer. If 3 ½" will not pull, pull stretch estimating free point. A 100' C1A cement plug will need added 50' in/out of cut at free point location.
5. TIH w/ tbg to 2025'. Load well as needed with 6% bentonite gel. Pump 125' C1A cement plug from **2025'-1900' (Maxon gas show and 7" csg st)**. Tag TOC. Top off as needed. TOOH LD tbg.
 - a. Perf 3 ½" csg @ 2025', 2000', 1975', and 1950' prior to cementing if unable to pull 3 ½" at this depth..
6. TOOH w/ tbg to 1900'. Pump 6% bentonite gel from 1900'-1490'. TOOH LD tbg.
7. Perf 7" csg w 2 holes @ 1490', 1440', 1400', 1100', 1050', 1000', 840', 790', 750', 711', 661', and 620'.
8. TIH w/ tbg to 1490'. Pump 100' C1A cement plug from **1490'-1390' (Elevation)**.
 - a. Tag TOC ensuring adequate fill up on 7" annulus.
9. TOOH w/ tbg to 1390'. Pump 6% bentonite gel from 1390'-1100'.
10. TOOH w/ tbg to 1100'. Pump 100' C1A cement plug from **1100'-1000' (Fresh water)**.
 - a. Tag TOC ensuring adequate fill up on 7" annulus.
11. TOOH w/ tbg to 1000'. Pump 6% bentonite gel from 1000'-840'.
12. TOOH w/tbg to 840'. Pump 229' C1A cement plug from **840'-611' (Freshwater and 8" csg st)**.
 - a. Monitor circulation on 8 ¼". Tag TOC only if no circulation (Unlikely to circulate). Top off as needed.
13. TOOH w/ tbg to 611'. Pump 6 % bentonite gel from 611' to 492'. TOOH LD tbg.
14. Perf 7" csg @ 492', 452', 412', 297', 247', 207', 100', and 50'.
15. TIH w/ tbg to 492'. Pack off w/ wellhead. Pump 100' C1A cement plug from **492'-392' (Coal)**.
Monitor circulation.
16. TOOH w/ tbg to 392'. Pump 6% bentonite gel from 392'-297'.
17. TOOH w/ tbg to 297'. Pack off w/ wellhead. Pump 100' C1A cement plug from **297'-197' (Coal)**.
Monitor circulation.
18. TOOH w/ tbg to 197'. Pump 6% bentonite gel from 197'-100'.
19. TOOH w/ tbg to 100'. Pack off w/ wellhead. Pump 100' Class A cement plug from **100'-0' (Surface)**.
Monitor circulation. TOOH LD tbg.
20. Erect monument with API#, date plugged, and company name.
21. Reclaim location and road to WV-DEP specifications.

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05/28/2021



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

Permit No. KAN-1765

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm Sallie J. Dickinson Acres 1350
Location (waters) 5 Mile Fork
Well No. 9083 Elev. 1489.83
District Elk County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Kanawha Valley Bank
Cr. Sally Dickinson Chas. Charleston, W. Va.
Drilling commenced 6-7-61
Drilling completed 7-6-61
Date Shot _____ From _____ To _____
With _____
Open Flow 30 /10ths Water in _____ Inch
3 /10ths Merc. in _____ Inch
Volume 1,917,000 - Maxon _____ Cu. Ft.
Rock Pressure 505 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------|
| Size | | | Kind of Packer |
| 16 | | | Anchor |
| 13 | | | Size of _____ |
| 10 <u>3/4</u> | | <u>32'</u> | <u>3 1/2" x 7"</u> |
| 8 <u>5/8</u> | | <u>661</u> | Depth set _____ |
| 7 <u>5/8</u> | | <u>1977</u> | <u>1985'</u> |
| 5 <u>3/16</u> | | | Perf. top _____ |
| 3 <u>1/2</u> | | <u>2033</u> | Perf. bottom _____ |
| 2 | | | Perf. top _____ |
| Liners Used | | | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 247 FEET 72 INCHES
452 FEET 48 INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

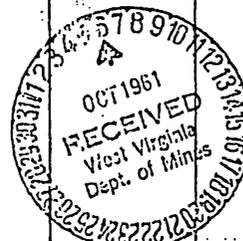
Fresh Water 790 Feet 1050 Salt Water _____ Feet

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------|-------|--------------|-------|--------|----------------------------------|------------------------|---------|
| Surface | | | 0 | 20 | Water 790' | 1 bbl. per hour | |
| Slate | | | 20 | 90 | | | |
| Sand | | | 90 | 120 | Hole full water | 1050' | |
| Slate & Shells | | | 120 | 247 | | | |
| Coal | | | 247 | 253 | Gas 2000' | 4/10 W 1" 21 M | |
| Broken Sand | | | 253 | 281 | Gas 2005' | 21/10 W 2" 189 M | |
| Mine Shaft | | | 281 | 287 | Gas 2012' | 90/10 W 3" 900 M | |
| Slate & Shells | | | 287 | 305 | Gas 2018' | 10/10 Merc. 3" 1,107 M | |
| Sand | | | 305 | 415 | Gas 2025' | 30/10 Merc. 3" 1,917 M | |
| Lime | | | 415 | 438 | | | |
| Slate & Shells | | | 438 | 452 | No treatment | | |
| Coal | | | 452 | 456 | | | |
| Slate & Shells | | | 456 | 1300 | Final open flow when shut in | 30/10 Merc. 3" 1,917 M | |
| Salt Sand | | | 1300 | 1475 | | | |
| Slate | | | 1475 | 1480 | | | |
| Sand | | | 1480 | 1650 | | | |
| Slate | | | 1650 | 1687 | | | |
| Sand | | | 1687 | 1815 | Shut in 7-6-61 in 3 1/2" tubing. | | |
| Slate | | | 1815 | 1825 | | | |
| Sand | | | 1825 | 1898 | | | |
| Red Rock | | | 1898 | 1905 | | | |
| Slate | | | 1905 | 1930 | | | |
| Red Rock | | | 1930 | 1950 | | | |
| Slate | | | 1950 | 1970 | | | |
| Maxon | | | 1970 | 2028 | | | |
| Total Depth | | | 2028' | | | | |

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(over)

WW-4A
Revised 6-07

1) Date: March 23, 2021
2) Operator's Well Number
809083
3) API Well No.: 47 - 039 - 01765

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

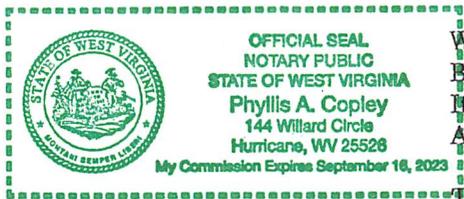
| | |
|---|---|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>H. C. Dickinson LLC C/O MC Hager Inc.</u> | Name <u>None</u> |
| Address <u>P.O. Box 14744</u> | Address _____ |
| <u>Richmond, VA 23221</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>H. C. Dickinson LLC C/O MC Hager Inc.</u> |
| _____ | Address <u>P.O. Box 14744</u> |
| _____ | <u>Richmond, VA 23221</u> |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector <u>Terry Urban</u> | (c) Coal Lessee with Declaration |
| Address <u>P.O. Box 1207</u> | Name <u>Kanawha Energy Company</u> |
| <u>Clendenin, WV 25045</u> | Address <u>P.O. Box 11174</u> |
| Telephone <u>304-549-5915</u> | <u>Charleston, WV 25311</u> |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Diversified Production, LLC
 By: [Signature] Jeff Mast
 Title: Director Production
 Address P.O. Box 6070
Charleston, WV 25362
 Telephone 304-543-6988

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WV Department of
Environmental Protection

Subscribed and sworn before me this 29th day of March, 2021
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2023

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.

Well 809083
 47-039-01765
 4703901765P

7019 1640 0000 1003 4961

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| <input type="checkbox"/> Return Receipt (hardcopy) | \$ | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$ | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$ | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ | \$0.00 |
| Postage | \$1.80 | |
| | | \$8.25 |

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809103 and 809083 P&A
 Kanawha Energy Company
 P.O. Box 1174
 Charleston, WV 25311
 25324

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Richmond, VA 23221

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| | | \$2.85 |
| Extra Services & Fees (check box, add fee as appropriate) | | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$ | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$ | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$ | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ | \$0.00 |
| Postage | \$1.80 | |
| | | \$8.25 |

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809103 and 809083 P&A
 H. C. Dickinson LLC
 C/O MC Hager Inc.
 P.O. Box 14744
 Richmond, VA 23221

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WW-9
(5/16)

API Number 47 - 039 - 01765
Operator's Well No. 809083

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) Morris Fork blue Creek (0505000708) Quadrangle Mammoth

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 *TU*

If so, please describe anticipated pit waste: Produced fluid and cement returns

Will a synthetic liner be used in the pit? Yes No If so, what ml.?

- Proposed Disposal Method For Treated Pit Wastes:
- Land Application (if selected provide a completed form WW-9-GPP)
 - Underground Injection (UIC Permit Number 47-119-00724)
 - 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

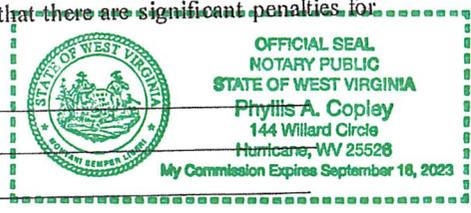
-Landfill or offsite name/permit number? N/A

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 *JA*
Company Official (Typed Name) Jeff Mast
Company Official Title Director Production



Subscribed and sworn before me this 29 day of March, 2021

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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WV Department of Environmental Protection

05/28/2021

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

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

| Seed Type | lbs/acre |
|------------|----------|
| Red Fescue | 40 |
| Alsike | 5 |
| Annual Rye | 15 |

| Seed Type | lbs/acre |
|---------------|----------|
| Red Fescue | 15 |
| Alsike Clover | 5 |

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: Inspector [Signature]

Date: 5-11-21

Field Reviewed? (/) Yes () No



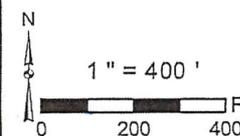
Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

47-039-01765

Plugging Map

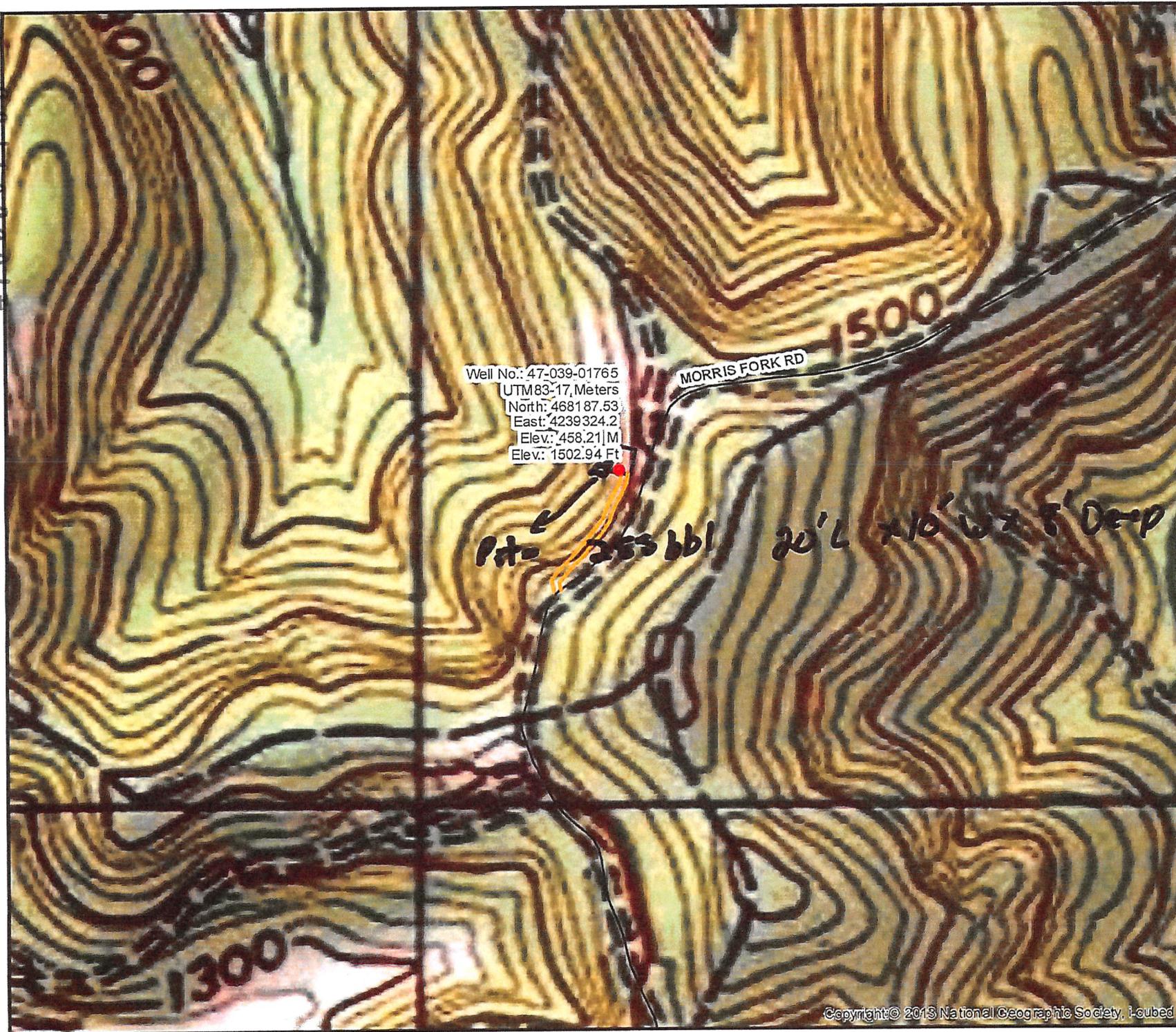
Legend

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



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4703901765



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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: 47-039-01765 WELL NO.: 809083

FARM NAME: Sallie J. Dickinson

RESPONSIBLE PARTY NAME: Diversified Production LLC

COUNTY: Kanawha DISTRICT: Elk

QUADRANGLE: Mammoth

SURFACE OWNER: H.C Dickinson LLC

ROYALTY OWNER: H.C Dickinson LLC

UTM GPS NORTHING: 4,239,324.2

UTM GPS EASTING: 468,187.5 GPS ELEVATION: 1502.9'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature]
Signature

Director Production
Title

03/19/2021
Date

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