



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

Monday, July 1, 2024

WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for MM-12A
47-081-01500-00-00

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: MM-12A
Farm Name: J & N PROCESSING, LLC
U.S. WELL NUMBER: 47-081-01500-00-00
Coal Bed Methane Well Plugging
Date Issued: 7/1/2024

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date May 8, 202024
2) Operator's
Well No. MM 12A
3) API Well No. 47-001 - 61500

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A CBM WELL.

- 4) Well Type: Oil / Gas / Liquid injection / Waste disposal /
(If "Gas, Production" or Underground storage) Deep / Shallow
- 5) Location: Elevation 2024.48' Watershed Maple Meadow Creek
District Trap Hill County Releigh Quadrangle Arnett 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 9) Plugging Contractor
Name Murdock Howard Name Next LVL Energy (Diversified Owned)
Address PO Box 140 Address 104 Helliport Loop Rd
Oak Hill, WV 25901 Bridgeport, WV 25330

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

See Attached THIS IS AN ACCESS WELL FOR A
CBM PRODUCTION WELL.

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

Work order approved by inspector Murdock Howard Date 5/15/24

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MH 5/15/24

Plugging Prognosis

API #: 4708101500

Casing Schedule

- 20" @ 30'
- 13-3/8" @ 280' (CTS w/ 250 sks)
- 9 5/8" @ 905' (CTS w/ 420 sks)
- 7" @ 940' (CTS w/ 220 sks)

TD listed as 1021' - listed on Form WR-35
Estimated kickoff @ unknown

Completion - Pilot Well for CBM production, projected depth of coal seam (1185') is below kickoff point.
Unknown if well has bridge plug in it.

Fresh Water: 250'
 Salt Water: None listed
 Gas Shows: None listed
 Oil Shows: None listed
 Coal: 585', 864', 1006', 1143', 1183', 1185' - listed on Form WR-35
 Elevation: 2028' - listed on Form WR-35

1. Notify Inspector Roy Howard @ (681) 990-2568, 48 hrs prior to commencing operations.
2. Record pressure on csg.
3. RIH to listed TD.
4. Kill well as needed with 6% bentonite gel.
Set CIBP inside 7" csg @ 930'.
8. Confirm 7" csg is cemented to surface. If not, free point 7" csg. Cut & TOOH.
9. Cement w/ Class L cement from CIBP to surface.
10. Reclaim site and set monument per WV DEP regulations.
Note: The uncased 4 1/4" wellbore from curve to lateral will be filled w/ gel/cement from the production wells when plugging them.



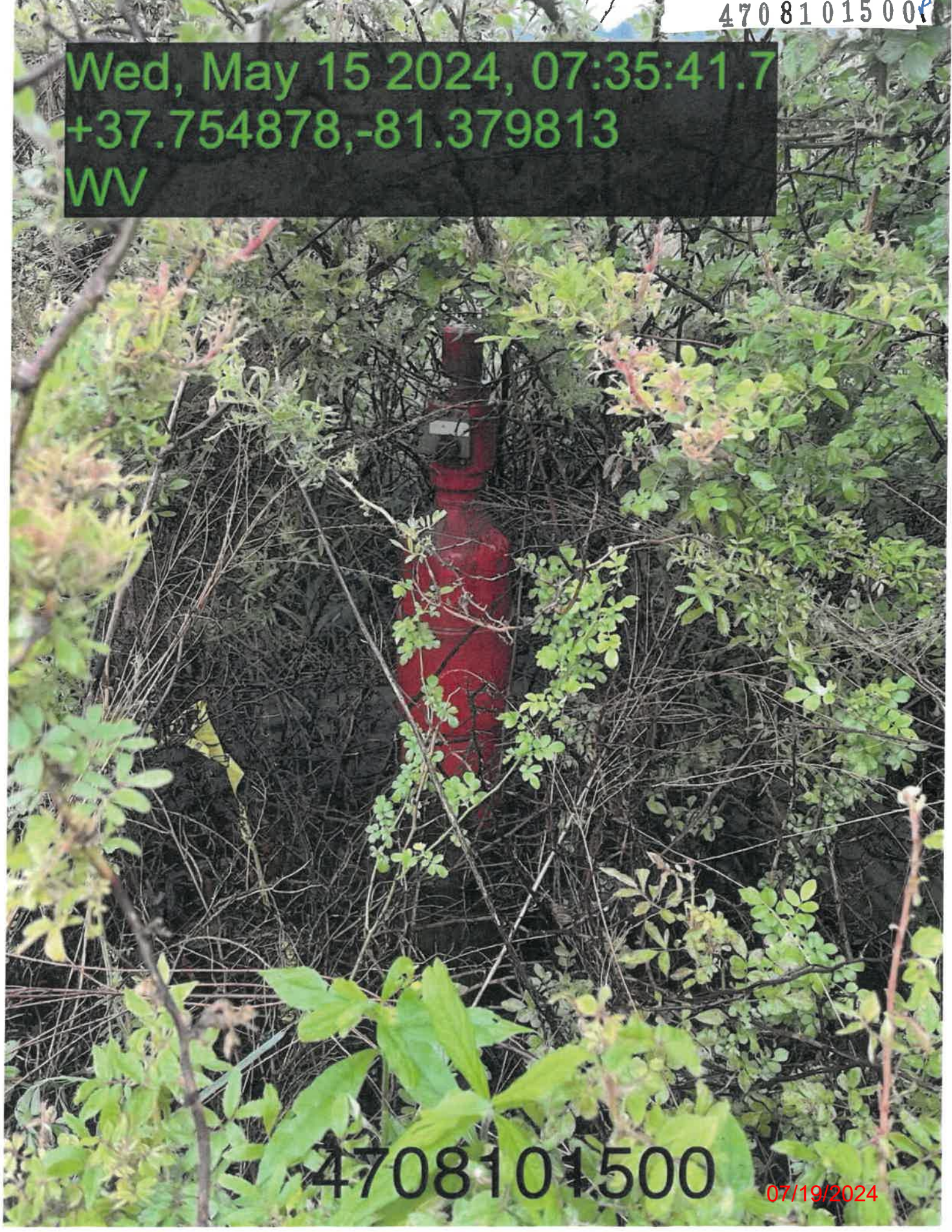
- 5. SET EXPANDING CEMENT PLUG FROM TD TO 980' (COAL PLUG).
- 6. ADD GEL IF NEEDED.
- 7. SET CIBP @ 930' INSIDE 7" CASING.

JNM

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 Environmental Protection

4708101500

Wed, May 15 2024, 07:35:41.7
+37.754878,-81.379813
WV



4708101500

07/19/2024

4708101500

WR-35
Rev (8-10)

DATE: 03/29/2011
API#: 47-081-01500

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: J&N Processing, LLC Operator Well No: MM-12A
LOCATION: Elevation: 2,028 feet Quadrangle: Arnett
District: Trap Hill County: Raleigh
Latitude: 13451 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude: 1438 Feet West of -81 Deg. 22 Min. 30 Sec.

Company: Vitruvian Exploration, LLC

| Address: 4 Waterway Square, Ste. 400 The Woodlands, TX. 77380 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|----------------|------------------------|
| | 20" | 30' | 30' | |
| | 13-3/8" | 280' | 280' | 250 sks |
| Agent: | 9-5/8" | 905' | 905' | 420 sks |
| Inspector: | 7" | 940' | 940' | 220 sks |
| Date Permit Issued: 06/30/2008 | | | | |
| Date Well Work Commenced: 11/30/2009 | | | | |
| Date Well Work Completed: 12/20/2009 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary X Cable Rig | | | | |
| Total Vertical Depth (ft): 1,021 ft | | | | |
| Total Measured Depth (ft): 1,021 ft | | | | |
| Fresh Water Depth (ft.): 250 ft | | | | |
| Salt Water Depth (ft.): N/A | | | | |
| Is coal being mined in area (N/Y)? Y | | | | |
| Coal Depths (ft.): Lower Beckley - 864'; Poca 6 - 1006' | Poca 3 - 1143' | Poca 2A - 1183' | Poca 2 - 1185' | |
| Void(s) encountered (N/Y) Depth(s) N | | | | |

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APR 05 2011
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OPEN FLOW DATA (if more than two producing formations please include additional data on separate sheet)

Producing formation Poca 2A Pay zone depth (ft) 1183' - 1185'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow _____ MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation Poca 2 Pay zone depth (ft) 1185' - 1187'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow _____ MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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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.

Amuel Bleat
Signature

3/29/2011
Date

07/19/2024

4708101500P

MM 12A

Note: No Raster Image, Estimate Formations

| Formations Encountered: | Total Depth | Bottom Depth |
|--------------------------------|--------------------|---------------------|
| Sandstone | 0 | 115 |
| Sandy-Shale | 115 | 460 |
| Sandstone | 460 | 570 |
| Siltstone | 570 | 585 |
| Sewell Coal | 585 | 589 |
| Sandstone | 589 | 780 |
| Sandy-Shale | 780 | 864 |
| Lower Beckley Coal | 864 | 869 |
| Sandstone | 869 | 919 |
| Sandstone | 919 | 1006 |
| Pocahontas 6 Coal | 1006 | 1009 |
| Shale | 1009 | 1019 |
| Sandstone | 1019 | 1049 |
| Shale | 1049 | 1143 |
| Pocahontas 3 Coal | 1143 | 1145.5 |
| Sandy-Shale | 1145.5 | 1172 |
| Shale | 1172 | 1183 |
| Pocahontas 2A Coal | 1183 | 1185 |
| Pocahontas 2 Coal | 1185 | 1187 |

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E:1,890,141.671' LONGITUDE: 81°22'47.939"W -1,438'

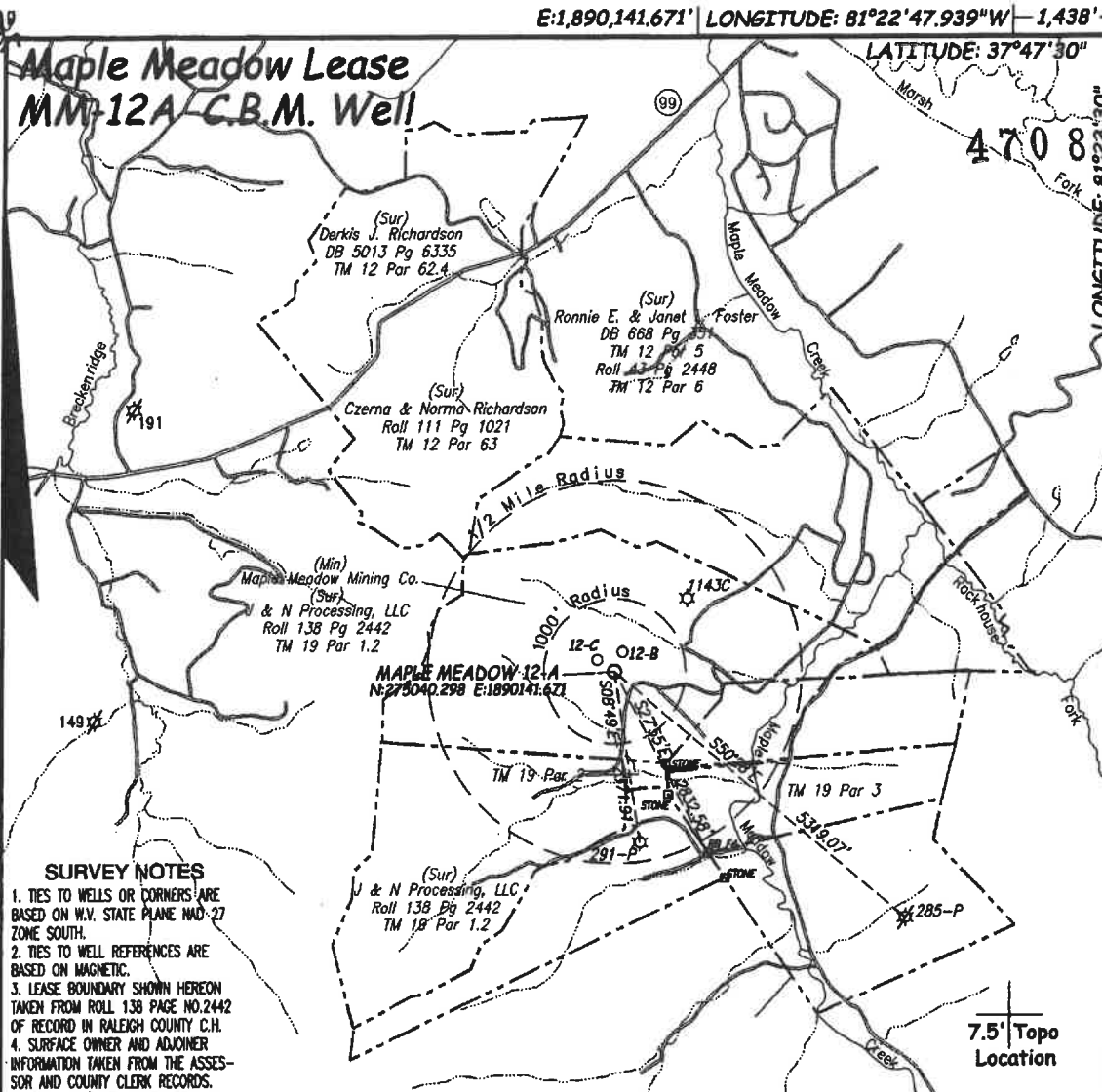
Maple Meadow Lease MM-12A C.B.M. Well

LATITUDE: 37°47'30"

4708

1500P

WV South N.A.D. 27 GRID NORTH



SURVEY NOTES

1. TIES TO WELLS OR CORNERS ARE BASED ON W.V. STATE PLANE NAD-27 ZONE SOUTH.
2. TIES TO WELL REFERENCES ARE BASED ON MAGNETIC.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM ROLL 138 PAGE NO.2442 OF RECORD IN RALEIGH COUNTY C.H.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(RTK-SURVEY GRADE).

No other known gas wells within 2640' of this location.
Water wells may exist within 1,000' of this location.

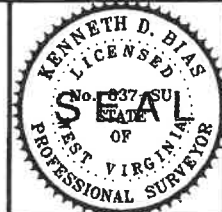
(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

Benchmark Surveying, Inc.
Suite 4 50 Coney Branch Road
Chapmanville, W.V. 25908
304-855-7646
304-855-7647 Fax

FILE NO. 2008-100
DRAWING NO. _____
SCALE 1" = 2,000'
MINIMUM DEGREE OF ACCURACY 1:2,500'
PROVEN SOURCE OF ELEVATION Pond Fork No. 1 Mon.
Via Opus observation

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 ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]
P.S. 837-SU



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



DATE: June 19th, 2008
OPERATOR'S WELL NO. MM-12A
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW C.B.M.
LOCATION: ELEVATION 2028.30 WATER SHED Un-named Tributary of Maple Meadow Creek of Marsh Fork of the Big Coal River
DISTRICT Trap Hill COUNTY Raleigh

QUADRANGLE Arnett, W.V. 7.5'
SURFACE OWNER J & N Processing, LLC (formerly Maple Meadow Mining Co.) ACREAGE 867.72 Acres
OIL & GAS ROYALTY OWNER Maple Meadow Mining Co. LEASE ACREAGE _____

LEASE NO. _____
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Pocahontas No. 3 & Penn Coals ESTIMATED DEPTH _____
WELL OPERATOR C.D.X GAS LLC DESIGNATED AGENT Mike McCown
ADDRESS 101 N. Kanawha St. 4th Floor, Beckley WV 25801 ADDRESS 101 N. Kanawha St. 4th Floor, Beckley WV 25801

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07/19/2024

FORM WW-6

N:275040.298' LATITUDE: 37°45'17.015"N



Select County: (081) Raleigh (Check All)

Select datatypes: (Check All)

Enter Permit #: 01500

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/Show/Water Logs Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 81 Permit = 01500 [Link to all digital records for well](#)

Report Time: Friday, June 21, 2024 1:23:56 PM

Location Information: [View Map](#)

| API | COUNTY | PERMIT | TAX_DISTRICT | QUAD_75 | QUAD_15 | LAT_DD | LON_DD | UTME | UTMN |
|------------|---------|--------|--------------|---------|---------|----------|------------|--------|-----------|
| 4708101500 | Raleigh | 1500 | Trap Hill | Arnett | Eccles | 37.75484 | -81.379809 | 466543 | 4178682.4 |

There is no Bottom Hole Location data for this well

Owner Information:

| API | CMP_DT | SUFFIX | STATUS | SURFACE_OWNER | WELL_NUM | CO_NUM | LEASE | LEASE_NUM | MINERAL_OWN | OPERATOR_AT_COMPLETION | PROP_VD | PROP_TRGT_FM | TFM_EI |
|------------|------------|----------------|-----------|----------------------|----------|--------|-------|-----------|------------------------|------------------------|---------|-----------------------|--------|
| 4708101500 | 12/20/2009 | Dvld Orign Loc | Completed | J & n Processing LLC | | MM-12A | | | Maple Meadow Mining Co | CDX Gas, LLC | | Pocahontas 3 Rdr coal | |

Completion Information:

| API | CMP_DT | SPUD_DT | ELEV DATUM | FIELD | DEEPEST_FM | DEEPEST_FMT | INITIAL_CLASS | FINAL_CLASS | TYPE | RIG | CMP_MTHD | TVD | TMD | NEW_FTG | KOD | G |
|------------|------------|------------|-------------------|---------|----------------------|----------------------|------------------|------------------|---------------|--------|----------|------|------|---------|-----|---|
| 4708101500 | 12/20/2009 | 11/30/2009 | 2028 Ground Level | Unnamed | Pennsylvanian System | Pocahontas No.2 coal | Development Well | Development Well | Methane (CBM) | Rotary | unknown | 1021 | 1187 | 1187 | | |

Pay/Show/Water Information:

| API | CMP_DT | ACTIVITY | PRODUCT | SECTION | DEPTH_TOP | FM_TOP | DEPTH_BOT | FM_BOT | G_BEf | G_AFT | O_BEf | O_AFT | WATER_QNTY |
|------------|------------|-------------|-------------|----------|-----------|----------------------|-----------|----------------------|-------|-------|-------|-------|------------|
| 4708101500 | 12/20/2009 | Water | Fresh Water | Vertical | | | 250 | Pennsylvanian System | | | | | |
| 4708101500 | 12/20/2009 | Methane Pay | Gas | Vertical | 1183 | Pocahontas No.2 coal | 1185 | Pocahontas No.2 coal | | | | | |
| 4708101500 | 12/20/2009 | Methane Pay | Gas | Vertical | 1185 | Pocahontas No.2 coal | 1187 | Pocahontas No.2 coal | | | | | |

Production Gas Information: (Volumes in Mcf) * 2023 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_GAS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708101500 | Nytis Exploration Co., LLC | 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2023 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_OIL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708101500 | Nytis Exploration Co., LLC | 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2023 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_NGL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708101500 | Nytis Exploration Co., LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Production Water Information: (Volumes in Gallons) * 2023 data for H6A wells only. Other wells are incomplete at this time.

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_WTR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4708101500 | Nytis Exploration Co., LLC | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Nytis Exploration Co., LLC | 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4708101500 | Diversified Production, LLC | 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Stratigraphy Information:

| API | SUFFIX | FM | FM_QUALITY | DEPTH_TOP | DEPTH_QUALITY | THICKNESS | THICKNESS_QUALITY | ELEV DATUM |
|------------|--------------|----------------------|-------------|-----------|---------------|-----------|-------------------|-------------------|
| 4708101500 | Original Loc | Sewell coal | Well Record | 585 | Reasonable | 4 | Reasonable | 2028 Ground Level |
| 4708101500 | Original Loc | Beckley coal=War Ck | Well Record | 864 | Reasonable | 5 | Reasonable | 2028 Ground Level |
| 4708101500 | Original Loc | Pocahontas No.6 coal | Well Record | 1006 | Reasonable | 3 | Reasonable | 2028 Ground Level |
| 4708101500 | Original Loc | Pocahontas No.3 coal | Well Record | 1143 | Reasonable | 3 | Reasonable | 2028 Ground Level |
| 4708101500 | Original Loc | Pocahontas No.2 coal | Well Record | 1183 | Reasonable | 4 | Reasonable | 2028 Ground Level |

Wireline (E-Log) Information:

- * There is no Scanned/Raster Log data for this well
- * There is no Digitized/LAS Log data for this well
- * There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

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

| | |
|---|--|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>Maple Meadow Land Company</u> | Name <u>Mountain Eagle Land, LLC</u> |
| Address <u>838 Euclid Ave. Ste 403</u> | Address <u>836 Euclid Ave.</u> |
| <u>Lexington, KY 40502</u> | <u>Lexington, KY 40502</u> |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>Maple Meadow Land Company</u> |
| | Address <u>PO Box 271</u> |
| | <u>Julian, WV 25529</u> |
| (c) Name _____ | Name <u>Alpha Land & Reserves, LLC</u> |
| Address _____ | Address <u>PO Box 261</u> |
| | <u>Julian, WV 25529</u> |
| 6) Inspector <u>Murdock Howard</u> | (c) Coal Lessee with Declaration |
| Address <u>PO Box 140</u> | Name _____ |
| <u>Oak Hill, WV 25901</u> | Address _____ |
| Telephone <u>(681) 990-2568</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: Chris Veazey
 Its: Director of Administration
 Address 414 Summers Street
Charleston, WV 25301
 Telephone 304-590-7707

Subscribed and sworn before me this 8th day of May, 2024
Jeffrey Bush Notary Public
 My Commission Expires September 28, 2028

RECEIVED
Office of Oil and Gas
MAY 20 2024
WV Department of
Environmental Protection

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.

4708101500P

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

USPS CERTIFIED MAIL™

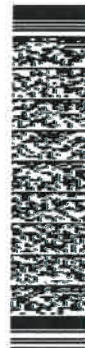


9407 1362 0855 1000 9577 74



MAPLE MEADOW MINING CO
PO BOX 271
JULIAN WV 25529-0271

US POSTAGE AND FEES PAID
2024-05-09
25301
C4000004
Retail
4.0 OZ FLAT



0901000010733



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Office of Oil and Gas
MAY 20 2024
WV Department of
Environmental Protection

07/19/2024

SURFACE OWNER WAIVER

4708101500 P

Operator's Well
Number

MM 12A

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..."

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,

Signature

Date

Name
By
Its

Date

Signature

Signature

Date

07/19/2024

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Office of Oil and Gas

MAY 20 2024

4708101500P

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

USPS CERTIFIED MAIL™



9407 1362 0855 1000 9313 16



MOUNTAIN EAGLE LAND LLC
836 EUCLID AVE
LEXINGTON KY 40502-1783

US POSTAGE AND FEES PAID
2024-05-09
25301
C4000004
Retail
4.0 OZ/FLAT



0901000010733



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

USPS CERTIFIED MAIL™



9407 1362 0855 1001 0114 51



ALPHA LAND & RESERVES LLC
PO BOX 261
JULIAN WV 25529-0261

US POSTAGE AND FEES PAID
2024-05-09
25301
C4000004
Retail
4.0 OZ FLAT



0901000010729

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WW-4B

API No. 4708101500
Farm Name J&N Processing, LLC
Well No. MM 12A

**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

4708101500P

Date: 5/8/2024

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 4708101500 Well Name MM 12A

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

Sincerely,

Chris Veazey
Permitting Supervisor
304-590-7707

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Office of Oil and Gas
MAY 20 2024
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.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

07/19/2024

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

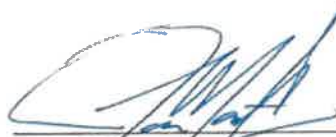
ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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) Maple Meadow Creek Quadrangle Arnett 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
 Will a pit be used? Yes No

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

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- * Underground Injection (UIC Permit Number 2D03902327 002)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

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

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

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

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

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

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

Company Official Signature *Chris Veazey*

Company Official (Typed Name) Chris Veazey

Company Official Title Permitting Supervisor



Subscribed and sworn before me this 9th day of May, 2024

Jeffrey Bush Notary Public

My commission expires September 28, 2028

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

Lime 3 Tons/acre or to correct to pH 8.5

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: Murdock Howard

Comments: Operator to cover with cement all oil and gas formations incldy salt, elevation, coals and fresh water.

Title: Inspector Date: 5/15/24

Field Reviewed? Yes No

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Oil&Gas

Wells, Horizontal Only

WellStatus

-  Active Well
-  Permit Issued
-  Permit Application
-  Plugged


Wells, Active Status Only

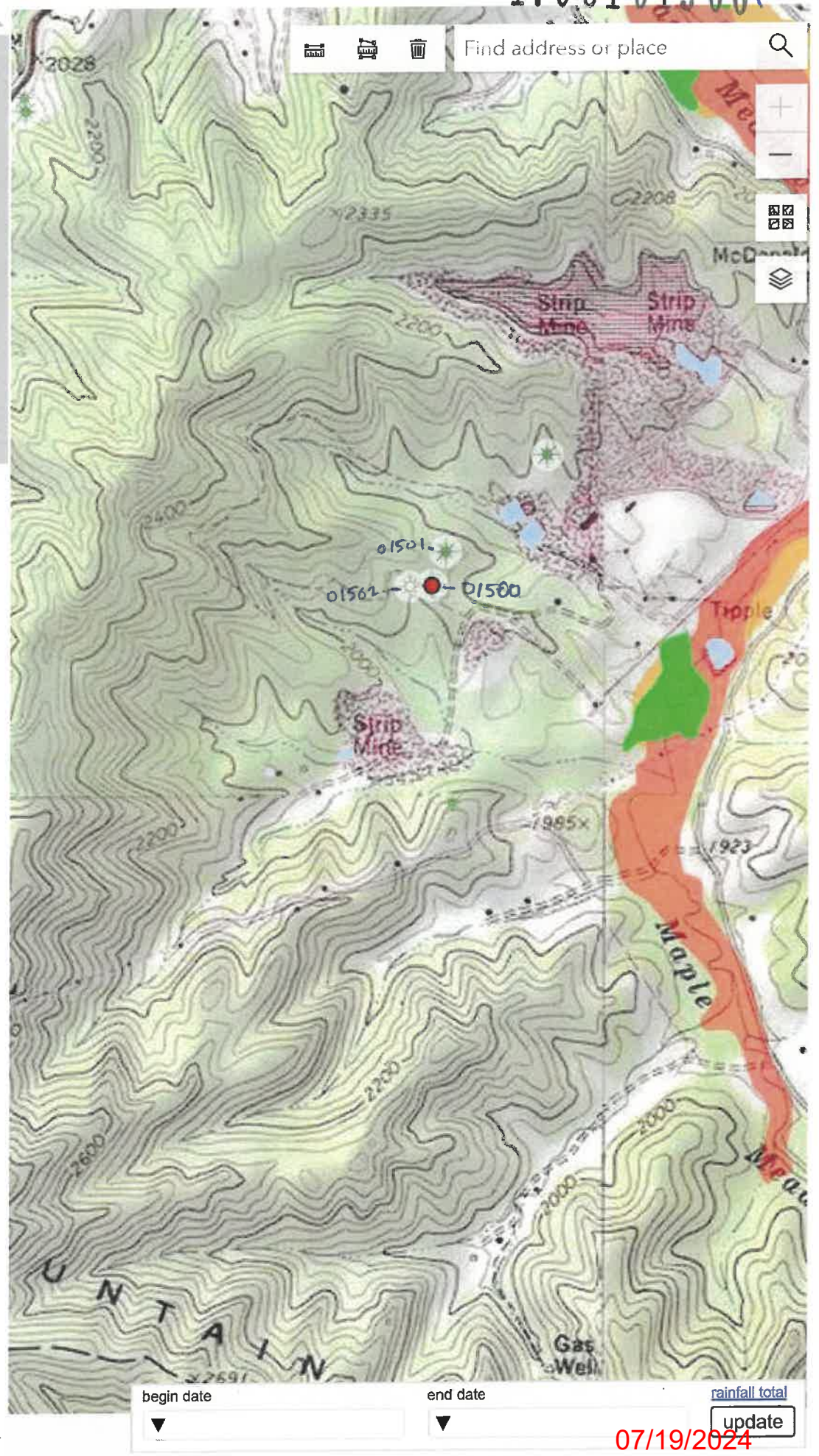
WellUse

-  Brine Disposal
-  Fluid Injection
-  Gas Production
-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining
-  Storage
-  Vent
-  <all other values>

Wells, Other than Active Status

WellUse

-  Brine Disposal
-  Fluid Injection
-  Gas Production
-  House Gas
-  Observation
-  Oil Production
-  Production
-  Solution Mining



07/19/2024

WW-7
8-30-06

4708101500P



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

API: 4708101500 WELL NO.: MM 12A

FARM NAME: J&N Processing, LLC

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Raleigh DISTRICT: Trap Hill

QUADRANGLE: Arnett 7.5'

SURFACE OWNER: Maple Meadow Land Company

ROYALTY OWNER: Maple Meadow Mining Co.

UTM GPS NORTHING: 4178681.61

UTM GPS EASTING: 466543.33 GPS ELEVATION: 2024.48'

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 ____

- 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

5/9/24
Date

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