



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, August 5, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for DICKINSON 49
47-039-04456-00-00

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: BLUE CREEK GAS CO.
U.S. WELL NUMBER: 47-039-04456-00-00
Vertical Plugging
Date Issued: 8/5/2024

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 28, 2024
2) Operator's
Well No. Dickinson # 49
3) API Well No. 47-039 - 04456

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 1345 Watershed Bells Creek
District Cabin Creek County Kanawha Quadrangle Mammoth 7.5

6) Well Operator Greylock Conventional, LLC. 7) Designated Agent Joe Farris
Address 500 Corporate Landing Address 500 Corporate Landing
Charleston, WV 25311 Charleston, WV 25311

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name R & R Well Services
Address P.O. Box 1207 Address 42 Lynch Ridge Road
Clendenin, WV 25045 Walton, WV 25286

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


PLEASE SEE ATTACHED

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Office of Oil and Gas

JUL 31 2024

WV Department of
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 7-25-24

08/09/2024

Plugging Procedure Dickinson #49
API: 47-039-4456

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| Casing | Depth (ft) | Cement for casing |
|--------|------------|-------------------|
| 9 5/8 | 997 | 370 sks |
| 7 | 2238 | 200 sks |
| 4 1/2 | 5071 | 200 sks |

1. Notify the inspector at least 24 hours prior to conducting abandonment operations.
2. Blow down well
3. POOH with Tubing, RIH and confirm TD and fill depth.
4. Prep for cement
5. Lead with 6% gel spacer on all cement plugs.
 - a. Note: Class L to be used, Alternative cement form submitted for Class L.
6. **PLUG 1** – Set cement plug from Approved tag depth - 2350' to cover perfs (5080 -2450')
 - a. **Note:** If cannot get cement to hold, discuss with inspector to set CIBP @ 2400' or cement plug over top perf (2500 – 2050')
7. Free point 4.5" casing, rip and pull pipe.
8. **PLUG (casing cut)** – Set 100' plug across casing cut (50' inside, 50' on top)
9. **PLUG 2** – Set cement plug from **2290 - 2070'** to cover casing shoe (2238') and Little Lime (2123')
10. **PLUG 3** – PU and set cement plug from **1390 – 1290'** to cover elevation (1340')
11. **PLUG 4** – PU and set cement plug from **1050 – 790'** to cover casing shoe (997') coal seam (940'), salt (840')
12. **PLUG 5** – PU and set cement plug from **190 – surface** to cover freshwater (140') and surface
13. Set monument ~30" above ground with Well Name, API and plug date

*well set
in stages
if needed*

*CAN Set
AS ONE
Plug*

*Operator will cover with Cement
all Formations Including Salt, Elevation
Coals, Freshwater*

*Amy W. Miller
7-3-24*

08/09/2024

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OCT 05 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Operator's
Well No. Dickinson # 49
Farm Blue Creek Coal Co
API No. 047 - 039 - 4456

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 1340 Watershed Bells Creek
District: Cabin Creek County Kanawha Quadrangle Mamoth 7.5

COMPANY Allegheny & Western Energy Corp
ADDRESS P.O.Box 2587, Charleston, W.Va., 25329
DESIGNATED AGENT Dennis L. Mann
ADDRESS P.O.Box 2587, Charleston, W.Va 25329
SURFACE OWNER Blue Creek Coal Co
ADDRESS Rt 2, Box 224-B, Clendenin, W.Va.
MINERAL RIGHTS OWNER Dickinson Properties Et Al
ADDRESS 1401 Kanawha Valley Bldg, Charleston, W.V.
OIL AND GAS INSPECTOR FOR THIS WORK Carlos Hivley
ADDRESS 223 Pinch Ridge Rd. Elkview, W.Va.
PERMIT ISSUED 2/19/87
DRILLING COMMENCED 3/6/87
DRILLING COMPLETED 3/12/87
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN

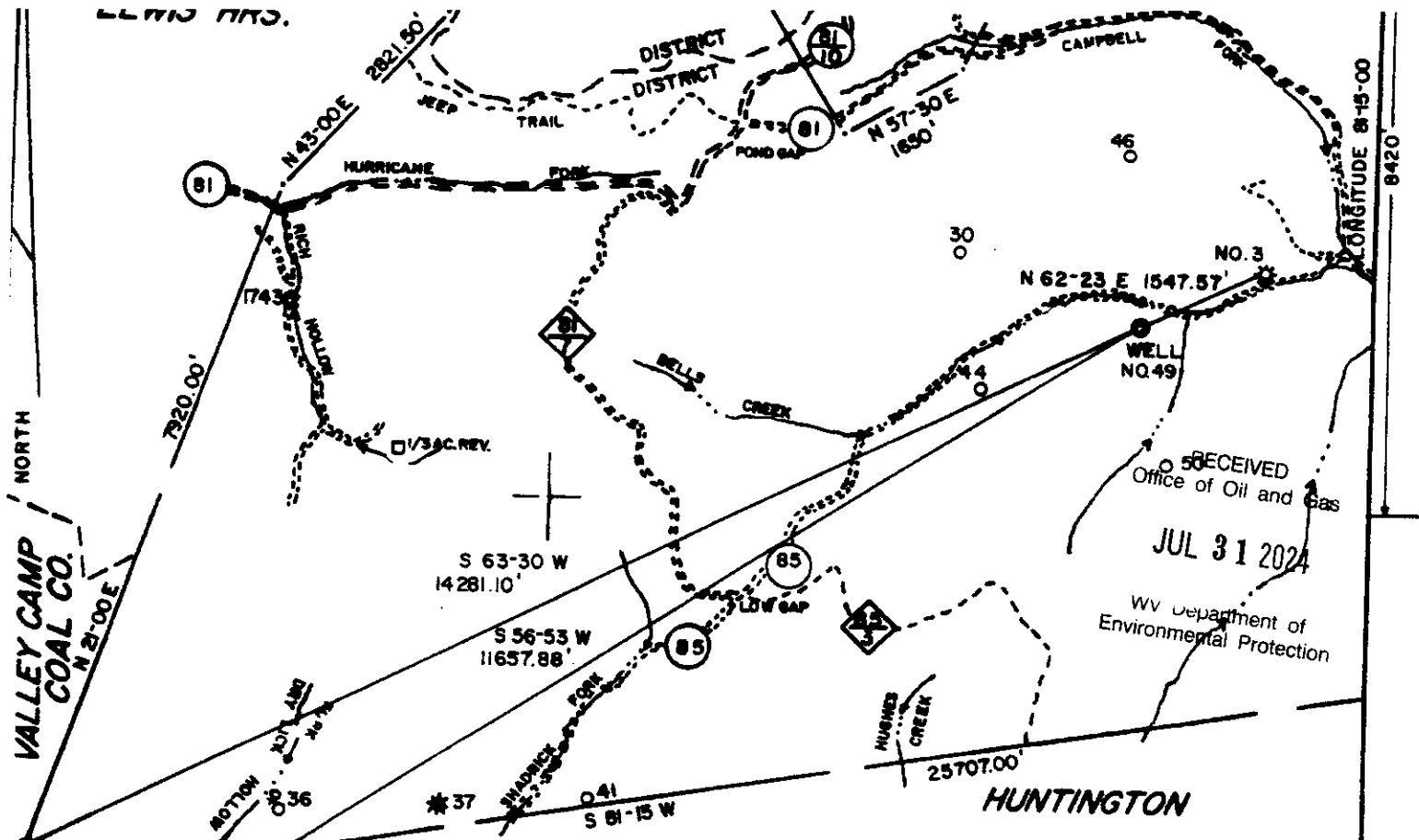
| Casing & Tubing | Used in Drilling | Office of Oil and Gas Left in Well | Cement and Gas fill up ft. |
|------------------|------------------|---|-------------------------------|
| Size 20-16 Cond. | | WV Department of Environmental Protection | |
| 13-10" | | | |
| 9 5/8 | 997 | 997 | 370 sks |
| 8 5/8 | | | |
| 7 | 2238 | 2238 | 200 sks |
| 5 1/2 | | | |
| 4 1/2 | 5071 | 5071 | 200sks |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5290 feet
Depth of completed well 5140 feet Rotary X / Cable Tools ___
Water strata depth: Fresh 140 feet; Salt 840 feet
Coal seam depths: 940 Is coal being mined in the area? ___

OPEN FLOW DATA

Producing formation Weir Pay zone depth 2450 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 50 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 410 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Devonian Shale Pay zone depth 2836 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d

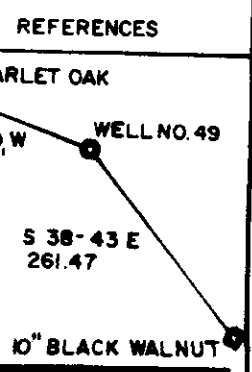
08/09/2024



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JUL 31 2024
WV Department of
Environmental Protection

VALLEY CAMP COAL CO.
BLUE CREEK COAL CO.
COORDINATES

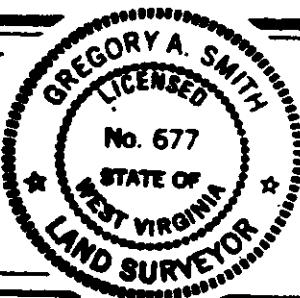
DICKINSON LEASE
WELL NO. 49
6,800 ACRES ±



N. 13631.7697 E. 62959.3760



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



L.L.S. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 11, 19 87
OPERATORS WELL NO. DICKINSON NO. 49
API WELL NO. 47 - 039 - 4456
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1601 (21-5)
PROVEN SOURCE OF ELEVATION B.M. ELEV. 1345' SCALE 1" = 2000'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1340' WATERSHED BELLS CREEK DISTRICT CABIN CREEK COUNTY KANAWHA QUADRANGLE MAMMOTH 7.5' SURFACE OWNER BLUE CREEK COAL CO. ACREAGE 6200 ROYALTY OWNER DICKINSON PROPERTIES INC. et al. LEASE ACREAGE 6800 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS SHALE

08/09/2024

COUNTY NAME PE

WW-4A
Revised 6-07

1) Date: May 28, 2024
2) Operator's Well Number
Dickinson # 49
3) API Well No.: 47 - 039 - 04456

**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>Boone East Develoment</u> | Name <u>Boone East</u> |
| Address <u>P.O. Box 271</u> | Address <u>P.O. Box 271</u> |
| <u>Julian, WV 25529</u> | <u>Julian, WV 25529</u> |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>Boone East</u> |
| | Address <u>P.O. Box 271</u> |
| | <u>Julian, WV 25529</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>Clendenin, WV 25045</u> | Address _____ |
| Telephone _____ | |

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 | <u>Greylock Conventional, LLC.</u> | RECEIVED |
| By: | <u>Gavin M. Reed</u> | Office of Oil and Gas |
| Its: | <u>Asset Development Manager</u> | <u>JUL 31 2024</u> |
| Address | <u>500 Corporate Landing</u> | |
| | <u>Charleston, WV 25311</u> | |
| Telephone | <u>(304) 925-6100</u> | Environment Protection |

Subscribed and sworn before me this 28th day of May 2024
Melissa A. Knuckles
My Commission Expires July 20, 2025



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.

08/09/2024

7022 2410 0002 1377 2990

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|---|------------------|
| Certified Mail Fee \$ | Postmark Here |
| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) \$ | |
| <input type="checkbox"/> Return Receipt (electronic) \$ | |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$ | |
| <input type="checkbox"/> Adult Signature Required \$ | |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$ | |
| Postage \$ | |
| Total Postage and Fees \$ | |
| Sent To Boone East | |
| Street and Apt. No., or PO Box No. PO Box 271 | |
| City, State, ZIP+4® Julian W 25529 | |

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7022 2410 0002 1377 2785

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| Certified Mail Fee \$ | Postmark Here |
| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) \$ | |
| <input type="checkbox"/> Return Receipt (electronic) \$ | |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$ | |
| <input type="checkbox"/> Adult Signature Required \$ | |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$ | |
| Postage \$ | |
| Total Postage and Fees \$ | |
| Sent To East Boone Development | |
| Street and Apt. No., or PO Box No. PO Box 271 | |
| City, State, ZIP+4® Julian W 25529 | |

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction

08/09/2024

WW-4B

| | |
|-----------|-----------------------|
| API No. | <u>47-039-04456</u> |
| Farm Name | _____ |
| Well No. | <u>Dickinson # 49</u> |

**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: _____

RECEIVED
 Office of Oil and Gas

 By: _____ **JUL 31 2024**
 Its _____

Department of
Environmental Protection

08/09/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Greylock Conventional, LLC. OP Code 494521205

Watershed (HUC 10) Bells Creek Quadrangle Mammoth 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: _____

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 _____)
- 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: Yes, tank returns at tanks

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

-If oil based, what type? Synthetic, petroleum, etc. n/a

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cutngs expected

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

-Landfill or offsite name/permit number? _____

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JUL 31 2024

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.

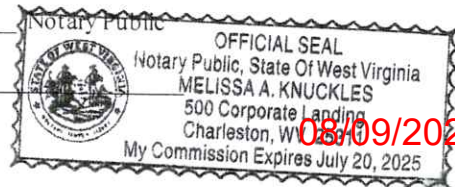
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 G. M. Reed
Company Official (Typed Name) Gavin M. Reed
Company Official Title Asset Development Manager

Subscribed and sworn before me this 28th day of May, 2024

Melissa A. Knuckles
My commission expires July 20, 2025



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20

Fertilizer amount 500 lbs/acre

Mulch Hay Bales Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|----------------|----------|----------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| ORCHARD GRASS | 12 | ORCHARD GRASS | 12 |
| LANDINO CLOVER | 3 | LANDINO CLOVER | 3 |
| TIMOTHY | 10 | TIMOTHY | 10 |

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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Office of Oil and Gas

JUL 31 2024

Department of
Environmental Protection

Title: *Impedible GAS* Date: *7-25-24*

Field Reviewed? () Yes () No

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

Operator Name: Greylock Conventional, LLC.
Watershed (HUC 10): Bells Creek Quad: Mammoth 7.5
Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A - no discharge of fluids

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Closed loop system, all returns will be taken in tanks and hauled to WVDEP approved facility.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

N/A

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Office of Oil and Gas

4. Summarize all activities at your facility that are already regulated for groundwater protection.

JUL 31 2024

N/A

WV Department of
Environmental Protection

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

N/A

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

Greylock will not use any waste material for deicing or fill material on property

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

N/A SEE SECTION 2

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Daily inspections of equipment will be preformed

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Office of Oil and Gas
JUL 31 2024
WV Department of
Environmental Protection

Signature: _____

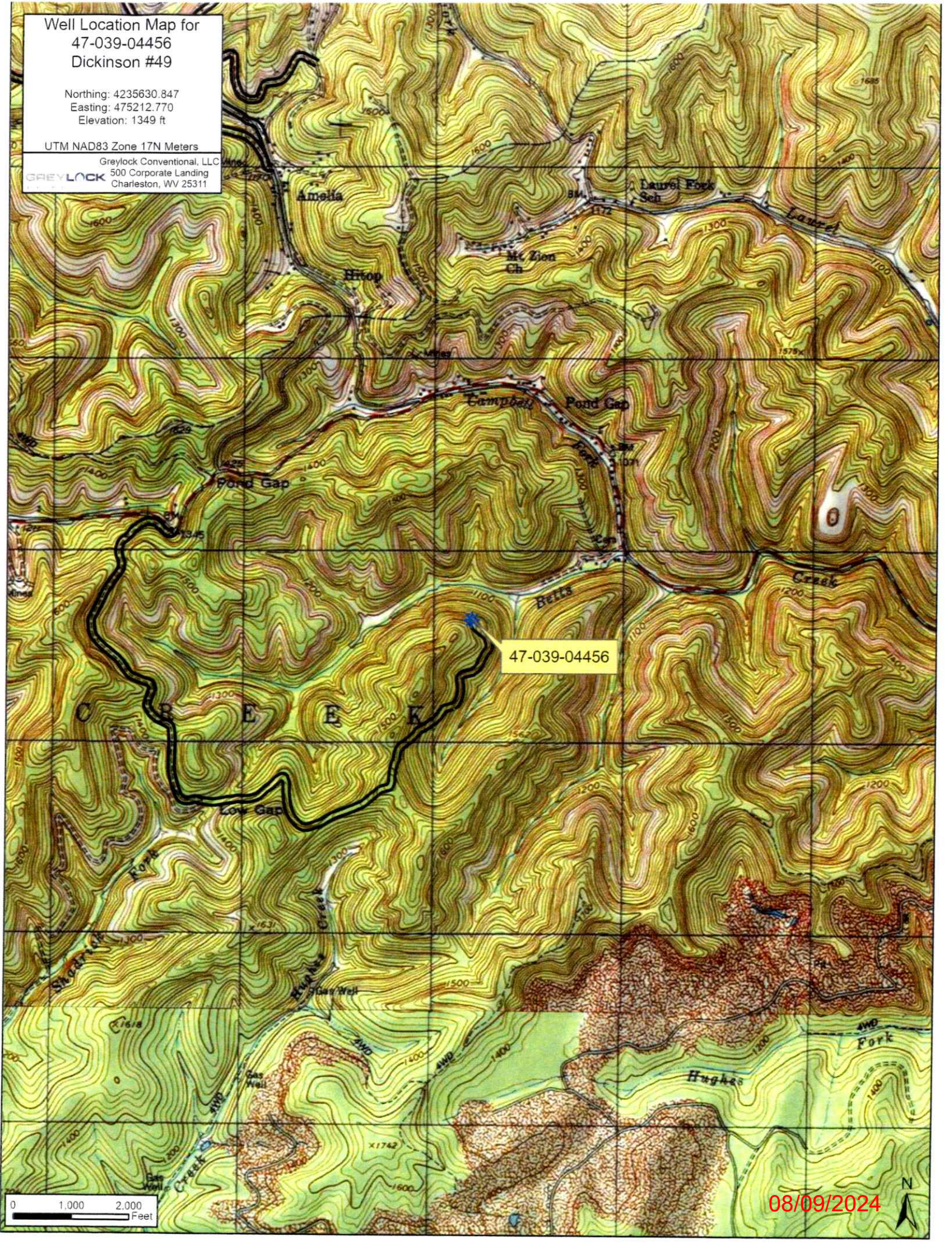
Date: _____

Well Location Map for
47-039-04456
Dickinson #49

Northing: 4235630.847
Easting: 475212.770
Elevation: 1349 ft

UTM NAD83 Zone 17N Meters

GREYLOCK
Greylock Conventional, LLC
500 Corporate Landing
Charleston, WV 25311



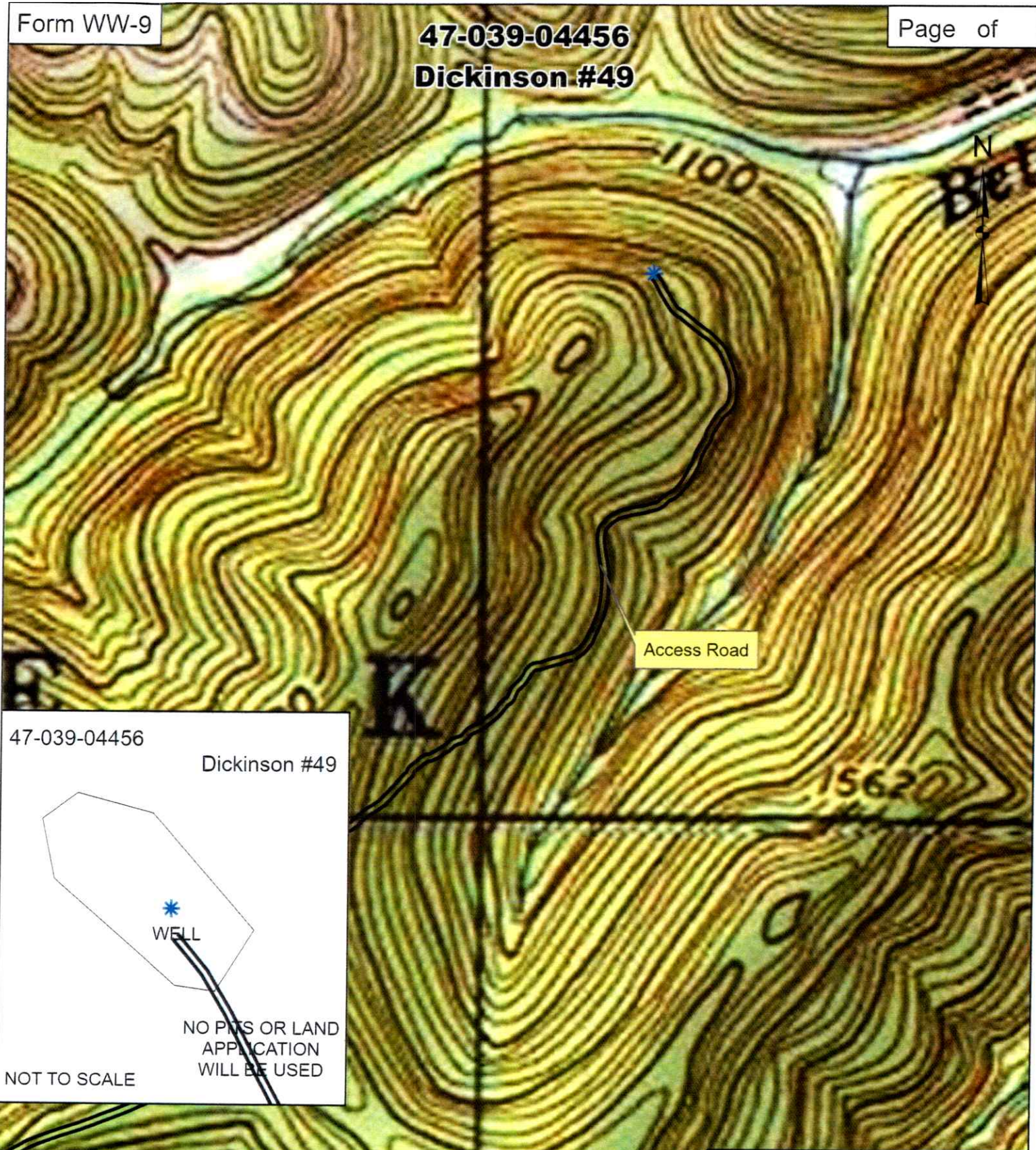
47-039-04456



08/09/2024

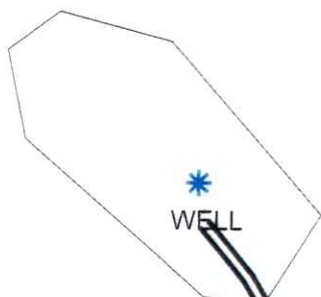


Dickinson #49



47-039-04456

Dickinson #49



WELL

NO PITS OR LAND APPLICATION WILL BE USED

NOT TO SCALE

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY D.O.T.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTION TO ANY DEVIATION FROM THIS PLAN.

0 150 300 600 900 1,200



Feet

1:6,000



TOPO SECTION OF USGS MAMMOTH 7.5' QUADRANGLE

GREYLOCK
ENERGY

Greylock Conventional, LLC

500 Corporate Landing Charleston, WV 25311
304-925-6100 - www.greylockenergy.com

Date: 5/23/2024

08/09/2024



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-039-04456 WELL NO.: 49

FARM NAME: Dickinson

RESPONSIBLE PARTY NAME: _____

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Mammoth 7.5

SURFACE OWNER: Boone East Development

ROYALTY OWNER: _____

UTM GPS NORTHING: 4235630.85

UTM GPS EASTING: 475212.77 GPS ELEVATION: 1,349 ft

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

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

Survey grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS : Post Processed Differential _____

Real-Time Differential

- Letter size copy of the topography map showing the well location.**

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

G. M. J. G.
Signature

Asset Development Manager
Title

5/28/24
Date

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Office of Oil and Gas

JUL 31 2024

WV Department of
Environmental Protection

May 10, 2024

WV Department of Environmental Protection
601 57th Street
Charleston, WV 25304

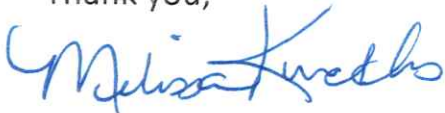
Re: 2022-13 Variance that allows the use of Class L cement in place of Class A cement for well plugging.

To Whom It May Concern:

Please see the attached order 2022-13 Variance that allows the use of Class L cement in place of Class A cement for well plugging. Greylock Conventional, LLC. wishes to use the Class L option at the time of plugging.

If you have questions, or need any additional information, please feel free to contact me.

Thank you,



Melissa Knuckles
Permitting & Bond Specialist
Greylock Energy, LLC.
mknuckles@greylockenergy.com
(304) 925-6100 Office
(304) 389-1441 Cell

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Office of Oil and Gas

JUL 31 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) 926-0460

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

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REPORT OF THE OFFICE

WV Department of
Environmental Protection

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.

08/09/2024

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

CONCLUSIONS OF LAW

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

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


ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

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


James Martin, Chief
Office of Oil and Gas

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WV Department of
Environmental Protection

08/09/2024



May 29, 2024

Boone East
P.O. Box 271
Julian, WV 25529

To Whom It May Concern:

This letter is to inform you that Greylock Conventional, LLC. will be plugging the Dickinson # 49 well located in Kanawha County WV. Should you have questions regarding this matter, please feel free to contact me at (304) 925-6100.

Thank you,

Melissa Knuckles



500 Corporate Landing
Charleston, WV 25311
(304) 925.6100
mknuckles@greylockenergy.com

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WV Department of
Environmental Protection



May 29, 2024

East Boone Development
P.O. Box 271
Julian, WV 25529

To Whom It May Concern:

This letter is to inform you that Greylock Conventional, LLC. will be plugging the Dickinson # 49 well located in Kanawha County WV. Should you have questions regarding this matter, please feel free to contact me at (304) 925-6100.

Thank you,

Melissa Knuckles



500 Corporate Landing
Charleston, WV 25311
(304) 925.6100
mknuckles@greylockenergy.com

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PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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08/09/2024