



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

Wednesday, September 17, 2025
WELL WORK PLUGGING PERMIT
Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for SLC-4
47-109-02094-00-00

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: SLC-4
Farm Name: CROUCH, R. C., ETAL
U.S. WELL NUMBER: 47-109-02094-00-00
Coal Bed Methane Well Plugging
Date Issued: 9/17/2025

A handwritten signature in blue ink, likely of James A. Martin, is written over the permit details.

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 July 9, 20 25
2) Operator's
Well No. Crouch R C ETAL SCL-4
3) API Well No. 47-109 -02094

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 1963.22' Watershed UT of McDonald Mill Creek
District Clear Fork County Wyoming Quadrangle Oceans 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey
Address 414 Summers Street Address 414 Summers Street
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Christian Porter Name Next LVL Energy (Diversified Owned)
Address PO Box 181 Address 104 Helliport Loop Rd
Holden, WV 25625 Bridgeport, WV 25330

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

See Attached

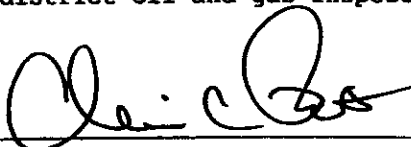
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WV Department of
Environmental Protection

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

Work order approved by inspector



Date

8-4-25

09/19/2025

Plugging Prognosis

API #: 47-109-02094

West Virginia, Wyoming County

Lat/Long – 37.662576, -81.629763

Nearest ER: Logan Regional Medical Center – Emergency Room – 20 Hospital Dr, Logan, WV 25601

Casing Schedule

13-3/8" @ 31' – No Cementing Information

9-5/8" @ 130' – Cemented w/ 50 cu ft – ETOC @ Surface using 1.18 yield and 12-1/2" hole

4-1/2" @ 1256' – Cemented w/ 430 cu ft – ETOC @ Surface using 1.18 yield and 7-7/8" hole

TD @ 1416'

Completion: Poca 5 Coal – 1064'-1067' – 12 Perfs – 250 gal 7.5% HCL, 130 bbl H2O, 13 sks 20/40 sand

Poca 6 Coal – 993'-996' – 12 Perfs – 250 gal 7.5% HCL, 212 bbl H2O, 48 sks 20/40 sand

Beckley Coal – 825'-828' – 12 Perfs – 250 gal 7.5% HCL, 328 bbl H2O, 121 sks 20/40 sand

Fresh Water: 140'

Salt Water: None Reported

Gas Shows: None Reported

Oil Shows: None Reported

Coal: 236'-238', 290'-292', 825'-828', 945'-946' (Not Mineable Thickness), 988'-991', 1064'-1067'

Open Mine: None Reported

Elevation: 1456'

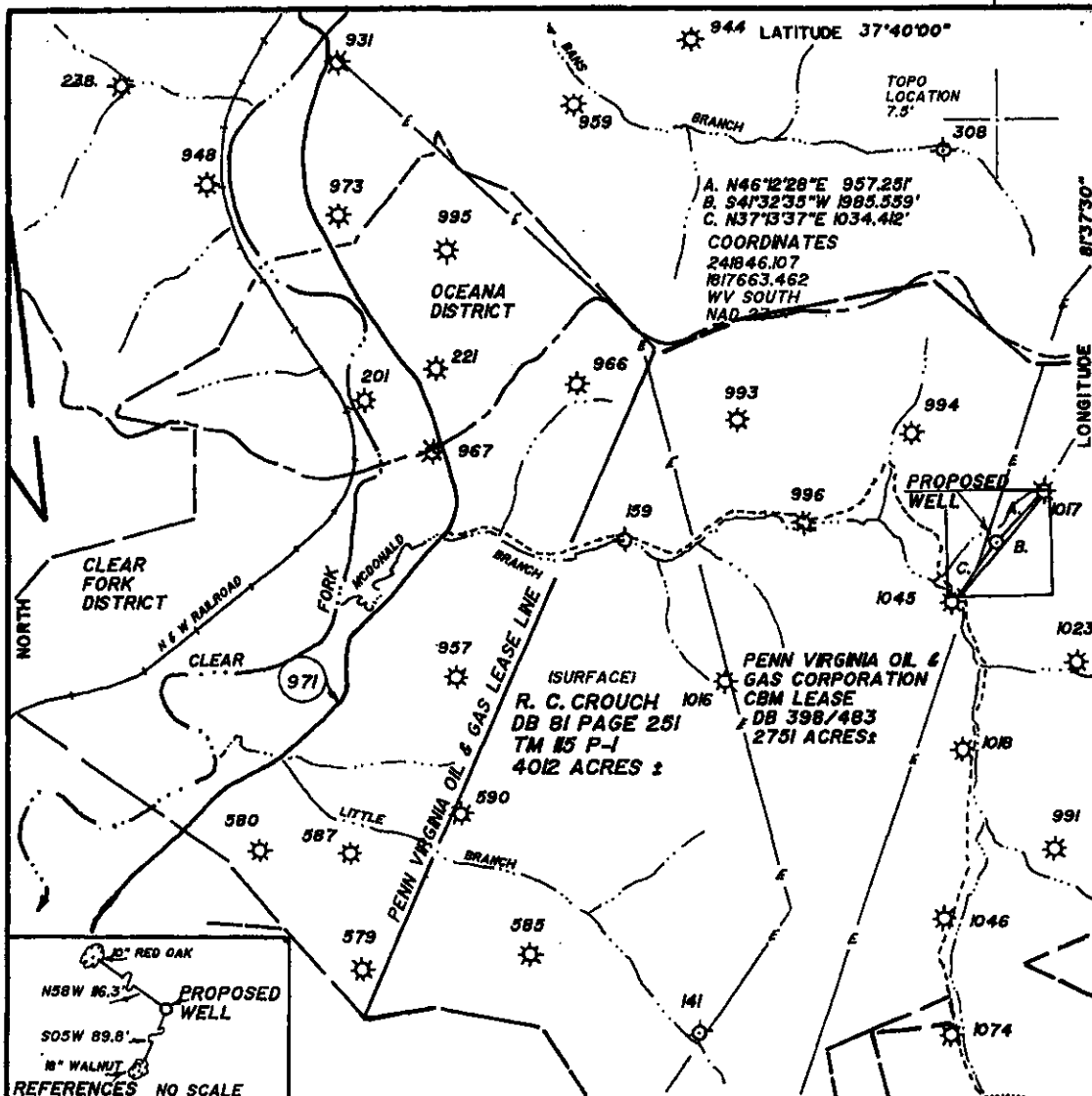
1. Notify Inspector Christian Porter @ 304-541-0079, 48 hrs prior to commencing operations.
2. MIRU service rig and ancillary equipment.
3. Check and record pressures on csg/tbg. Kill well as necessary with fresh water or brine water.
4. Check TD w/ sandline/tbg.
5. TOOH w/ any rods and/or tbg in well.
6. Pump 6% Bentonite gel between each plug.
7. TIH w/ tbg to 1406', 10' above TD. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 20 bbls gel.
8. TOOH w/ tbg to 1306'. Pump 531' **Expanding Class L/Class A** cement plug from 1306' to 775' (4-1/2" Csg Shoe & Completion – Poca 5 Coal, Poca 6 Coal & Beckley Coal Plug). Approximately 54 sks @ 1.14 yield. Tag TOC. Top off as needed. **Do not omit any plugs listed below. Perforate as needed.**
9. TOOH w/ tbg to 342'. Pump 342' **Expanding Class L/Class A** cement plug from 342' to Surface (Coal, 9-5/8" Csg Shoe & Surface Plug). Approximately 28 sks @ 1.14 yield. Tag TOC. Top off as needed. **Do not omit any plugs listed below. Perforate as needed.**
10. Reclaim location and well road to WVDEP specifications and erect P&A well monument.

Freshwater
plug



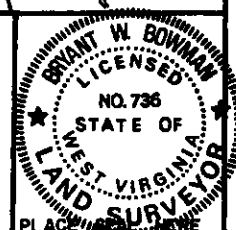
AX

09/19/2025



FILE NO. _____
DRAWING NO. _____
SCALE 1"=2000'
MINIMUM DEGREE OF ACCURACY 1/500
PROVEN SOURCE OF ELEVATION 1956 BM ON McDONALD MILL BRANCH ELEVATION 140

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 MINES.
(SIGNED) BRYANT W. BOWMAN
R.P.E. _____ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE JUNE 20 2001
OPERATOR'S WELL NO. SLG-4
API WELL NO. 47-109-20940
STATE COUNTY PERMIT

Division of Environmental Protection
Office of Oil & Gas

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
LOCATION: ELEVATION 1456 WATER SHED UT OF McDONALD MILL CREEK
DISTRICT CLEAR FORK COUNTY WYOMING
QUADRANGLE OCEANA

SURFACE OWNER R. C. CROUCH ET AL ACREAGE 4012.7±
OIL & GAS ROYALTY OWNER R. C. CROUCH ET AL LEASE ACREAGE 4012.7±
LEASE NO. _____

PROPOSED WORK: DRILL X 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 _____ ESTIMATED DEPTH _____
WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
ADDRESS PO BOX 387 ADDRESS PO BOX 460
DUFFIELD, VA 24244-0387 RAVENCLIFF, WV 25951

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WV Department of Environmental Protection

Charleston, WV

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CHARLESTON BLUEPRINT 052541

State of West Virginia
Division of Environmental Production
Section of Oil and GasRev:

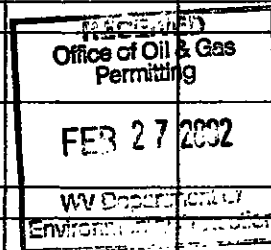
Well Operator's Report of Well Work

Farm Name Crouch, R.C., etalOperator Well No.: SLC-4LOCATION: Elevation: 1456Quadrangle: OceanaDistrict: Clear ForkCounty: WyomingLatitude: 1550 Feet South of 37 Deg. 40 Min. 00 Sec.Longitude: 1400 Feet West of 81 Deg. 37 Min. 30 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 387	13 3/8"	31'	31'	0
Duffield, VA 24244	9 5/8"	130'	130'	50
Agent: Harry Jewell	4 1/2"	1256'	1256'	430
Inspector: Ofie Helmick				
Date Permit Issued: 09/26/2001				
Date Well Work Commenced: 10/01/2001				
Date Well Work Completed: 11/12/2001				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1,416				
Fresh Water Depth (ft):				
Damp @ 140'				
Salt Water Depth (ft):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft):				
See log				



OPEN FLOW DATA

Producing formation Beckley, Poca 6 & Poca 5 Coal Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/dFinal open flow Not taken MCF/d Final open flow Bbl/dTime of open flow between initial and final tests: HoursStatic rock pressure Not taken psig (surface pressure) after HoursSecond producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/dFinal open flow MCF/d Final open flow Bbl/dTime of open flow between initial and final tests: HoursStatic rock pressure psig (surface pressure) after HoursRECEIVED
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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: William M. Bryan
Date: 11/12/01

09/19/2025

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

PERFORATIONS AND FRACTURING

Stage 1-Poca 5 Coal-Perforated from 1064' to 1067' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 130 bbls water and 1300 lbs 20/40 sand. ISIP: 2100 psi. ATP: 3936 psi. ATR: 7.5 BPM.

Stage 2-Poca 6 Coal-Perforated from 993' to 996' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 212 bbls water and 4800 lbs 20/40 sand. ISIP: 1208 psi. ATP: 3670 psi. ATR: 18 BPM.

Stage 3-Beckley Coal-Perforated from 825' to 828' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 328 bbls water and 12100 lbs 20/40 sand. ISIP: 2760 psi. ATP: 3700 psi. ATR: 19 BPM.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand	0	192	Coal @ 236-238, 290-292
Sand, shale & coal	192	488	
Sand	488	670	
Sand & shale	670	790	
Shale	790	825	
Beckley coal	825	828	
Shale	828	907	
Sand	907	945	
Lower Fire Creek Coal	945	948	
Sand & shale	948	988	
Pocahontas 6 Coal	988	991	
Sand	991	1064	
Pocahontas 5 Coal	1064	1067	
Sand & shale	1067	1120	
Sand	1120	1310	
Shale	1310	1416	No shows reported

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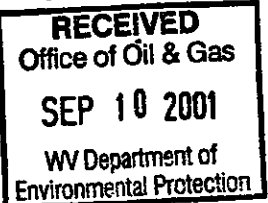
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CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	9 5/8"	L.S.	26	30'	30'	0
Fresh Water	7"	L.S.	17	150	150	25
Coal						
Intermediate						
Production	4 1/2"	M-65	9.5	1400'	1400'	145
Tubing						
Liners						

PACKERS:

**For Office of Oil and Gas Use Only**

☐ Fee(s) paid:
 ☐ Well Work Permit
 ☐ Reclamation Fund
 ☐ WPCP
☐ Plat
 ☐ WW-9
 ☐ WW-5B
 ☐ Bond _____
 ☐ Agent
 (Type)

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1) Date: 7/9/2025
2) Operator's Well Number Crouch R C ETAL SCL-4
3) API Well No.: 47 - 109 - 02094

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>Letha M. Crouch, et al</u>	Name <u>Not Currently Operated</u>
Address <u>PO Box 418</u>	Address _____
<u>Oceana, WV 24870</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Christian Porter</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 181</u>	Name <u>Rolling S Auguring, LLC</u>
<u>Holden, WV 25625</u>	Address <u>119 Appalachian Dr.</u>
Telephone <u>(304) 541-0079</u>	<u>Beckley, WV 25801</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	<u>Diversified Production, LLC</u>	RECEIVED
By:	<u>Chris Veazey</u>	Office of Oil and Gas
Its:	<u>Director of Administration</u>	<u>AUG 08 2025</u>
Address	<u>414 Summers Street</u>	
	<u>Charleston, WV 25301</u>	
Telephone	<u>304-590-7707</u>	Department of Environmental Protection

Subscribed and sworn before me this 9th day of July, 2025

My Commission Expires September 28, 2028 Notary Public

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.

09/19/2025

API-47-109-02094

Coal Owners

Robert D. Crouch

PO Box 264
Lynco, WV 24857

Scott E. Hartzog

6 William Pine Tree Ln.
Lyndhurst, VA 22951

Judith H. Miles

812 Tinkerbell Rd.
Chapel Hill, NC 27517

Bobbie Jean Crouch

PO Box 232
Lynco, WV 24857

I. Jean Eshelman

99 Brant Dr.
Marietta, OH 45750

Kenneth & Mary Hartzog

98 Mitchell Ln.
Staunton, VA 24401

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

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WV Department of
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LETHA M CROUCH ET AL
PO BOX 418
OCEANA WV 24870-0418

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4.0 OZ FLAT


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CHARLESTON WV 25301

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ROLLING S AUGURING LLC
119 APPALACHIAN DR
BECKLEY WV 25801-2201

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United States Department of the Interior
Environmental Protection

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LYNCO WV 24857-0232

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Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

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1 JEAN ESHELMAN
99 BRANT DR
MARIETTA OH 45750-9482

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Permitting Department
414 SUMMERS STREET
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CHARLESTON WV 25301

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KENNETH & MARY HARTZOG
98 MITCHELL LN
STAUNTON VA 24401-5589

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

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JUDITH H MILES
812 TINKERBELL RD
CHAPEL HILL NC 27517-3016

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Division of Energy Protection

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easypost

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

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9407 1362 0855 1280 3793 27

ROBERT D CROUCH
PO BOX 264
LYNCO WV 24857-0264

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2025-07-09

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4.0 OZ FLAT

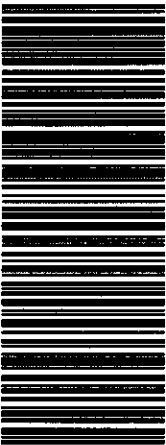


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09/19/2025

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

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9407 1362 0855 1280 3795 25



SCOTT E HARTZOG
6 WILLIAM PINE TREE LN
LYNDHURST VA 22952-2427

US POSTAGE PAID IMI

2025-07-09

25301

C40000004

Retail

4.0 OZ FLAT



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09/19/2025

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)UT of McDonald Mill Creek Quadrangle Oceana 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 Director of Administration



Subscribed and sworn before me this 9th day of July, 2025

Jeffrey Bush Notary Public

My commission expires September 28, 2028

09/19/2025

Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation pH N/ALime 3 Tons/acre or to correct to pH 6.5Fertilizer type 10-20-20 or EquivalentFertilizer amount 500 lbs/acreMulch 2 Tons/acreSeed MixturesTemporaryPermanent

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: Operator to remove with cement all oil and Gas
formations including Salt, elevation, Coals and FreshwaterRECEIVED
Office of Oil and Gas

AUG 08 2025

Department of
Environmental ProtectionTitle: [Signature]Date: 8-4-25

Field Reviewed?

☒ Yes☐ No



DIVERSIFIED
energy

Date: 7/9/2025

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 4710902094 Well Name Crouch R C ETAL SCL-4

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

Sincerely,

Diversified Energy Permitting Department

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Office of Oil and Gas

AUG 08 2025

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

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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.

09/19/2025

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

47-109-02094

Well Plugging Map

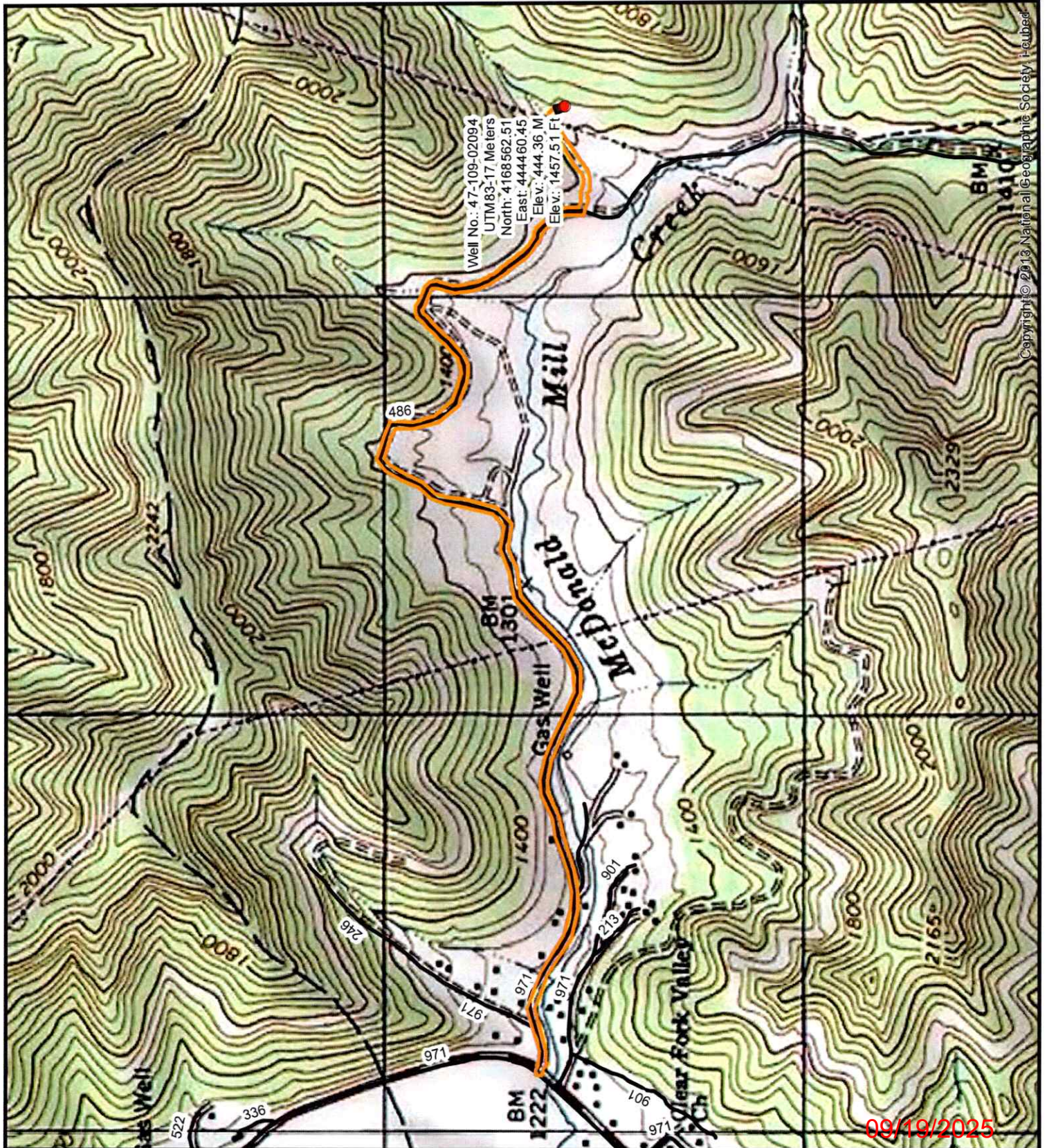
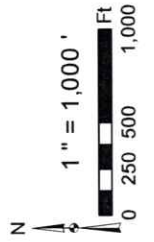
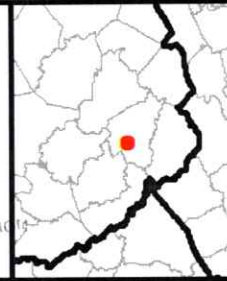
Legend

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

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

47-109-02094

Well Plugging Map

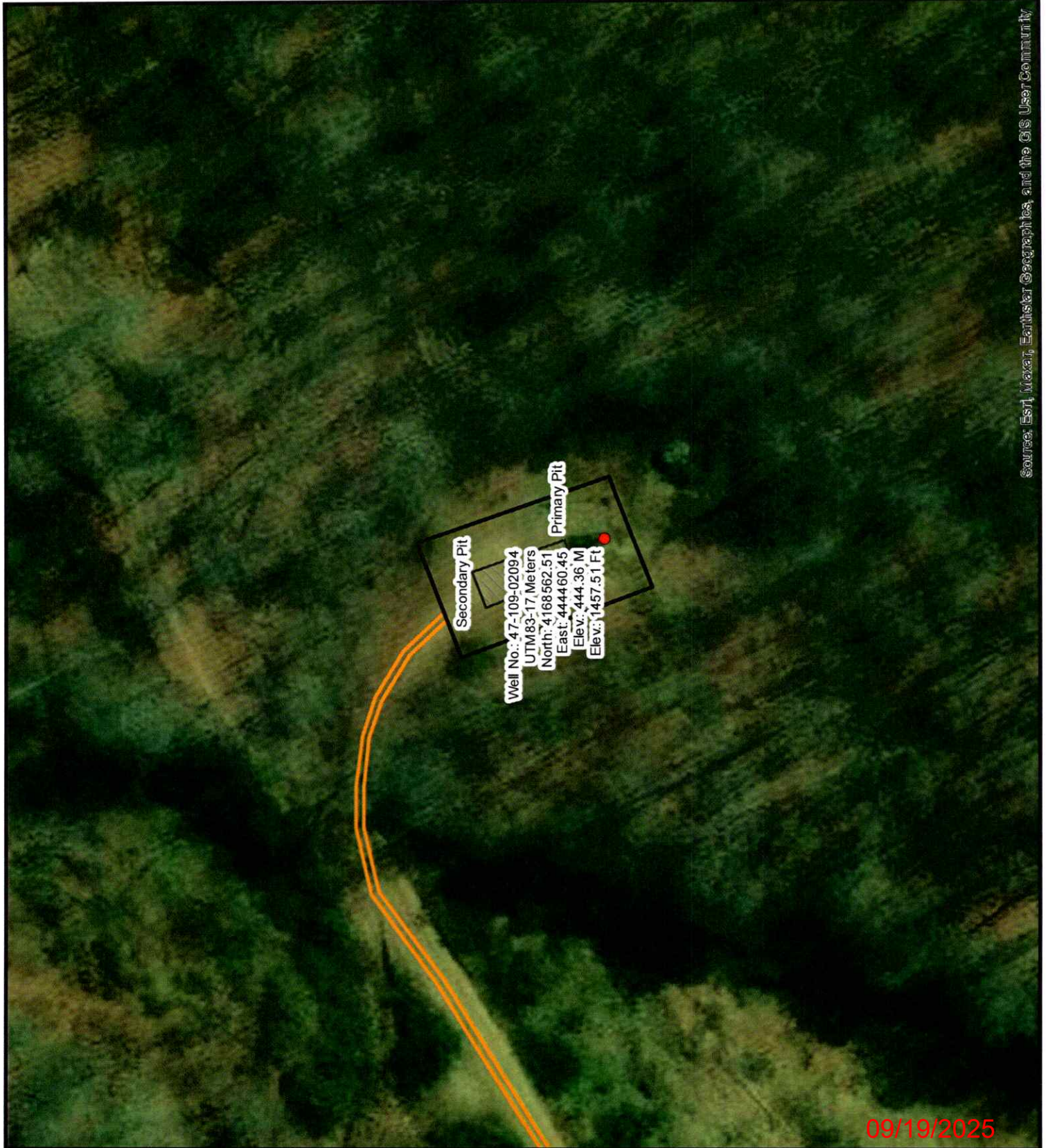
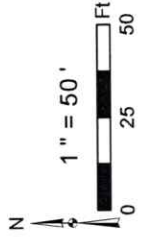
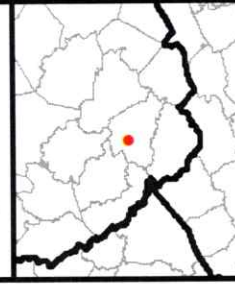
Legend

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

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

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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: 4710902094 WELL NO.: Crouch R.C. ETAL SCL-4

FARM NAME: Crouch, Letha M. et al

RESPONSIBLE PARTY NAME: Diversified Production, LLC

COUNTY: Wyoming DISTRICT: Clear Fork

QUADRANGLE: Oceana 7.5'

SURFACE OWNER: Letha M. Crouch, et al

ROYALTY OWNER: I. Jean Eshelman, Judith Miles, Donna Hoy, Letha Crouch

UTM GPS NORTHING: 4151396.07

UTM GPS EASTING: 452318.92 GPS ELEVATION: 1963.22'

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 X: Post Processed Differential X

Real-Time Differential ____

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

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

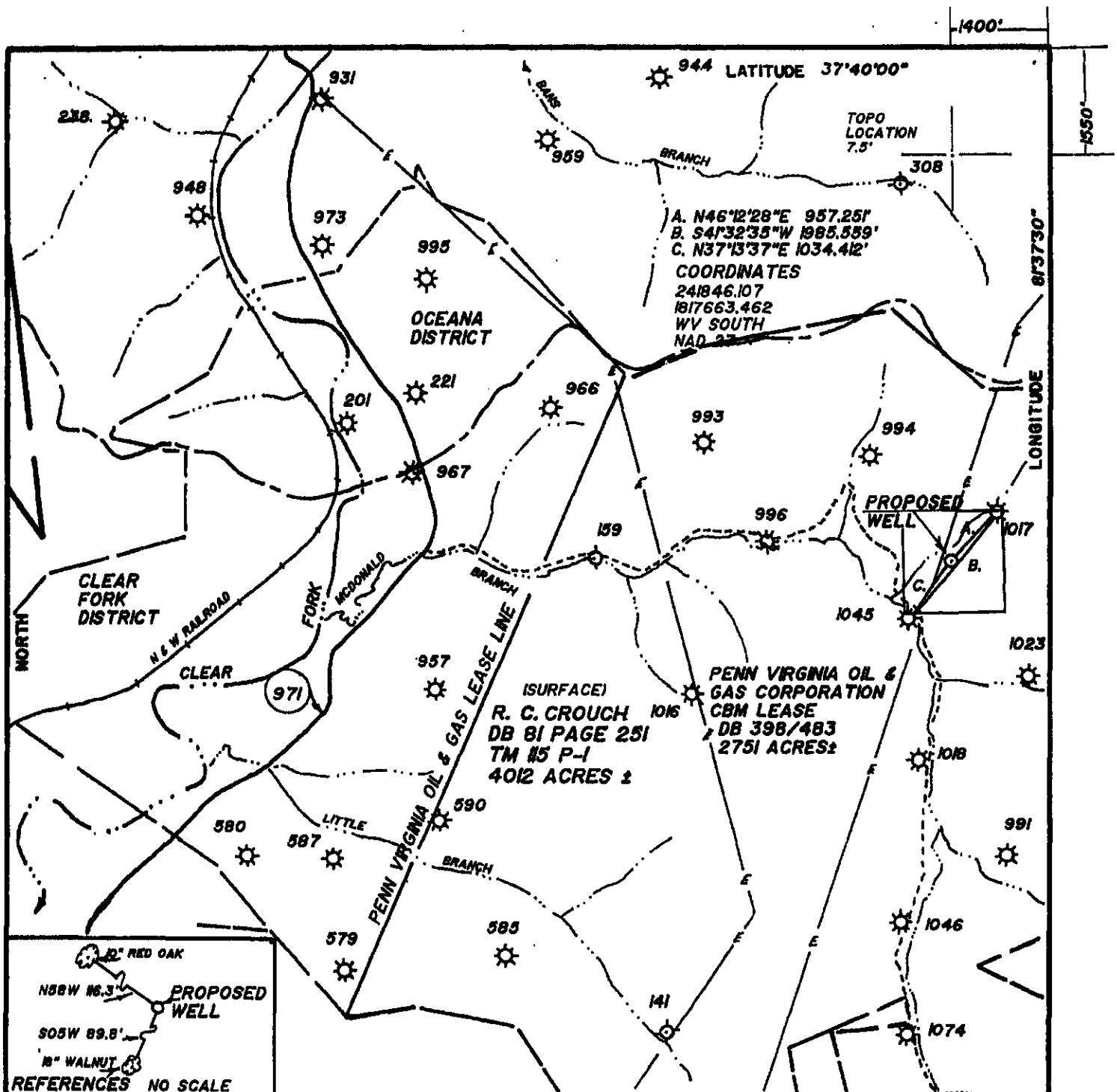
Chris Veazey
Signature

Chris Veazey - Director of Administration
Title

7/9/2015
Date

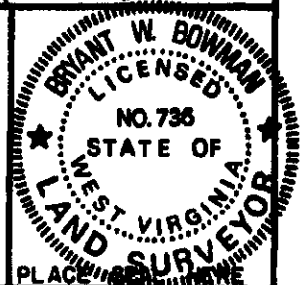
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FILE NO. _____
DRAWING NO. _____
SCALE 1"=2000'
MINIMUM DEGREE OF
ACCURACY 1/500
PROVEN SOURCE OF
ELEVATION USGS BM ON McDONALD
MILL BRANCH ELEVATION 140

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
MINES.
(SIGNED) Bryant W. Bowman
R.P.E. _____ L.L.S. 736



(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
FORM IV-6
(8-78)

Division of Environmental Protection
Office of Oil & Gas

DATE JUNE 20 20 01
OPERATOR'S WELL NO. SLC-4
API WELL NO.
47-109-20940
STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 1456 WATER SHED UT. OF McDONALD MILL CREEK
DISTRICT CLEAR FORK COUNTY WYOMING

QUADRANGLE OCEANA
SURFACE OWNER R. C. CROUCH ET AL ACREAGE 4012.7±
OIL & GAS ROYALTY OWNER R. C. CROUCH ET AL LEASE ACREAGE 4012.7±
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 _____ ESTIMATED DEPTH _____
WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
ADDRESS PO BOX 387 ADDRESS PO BOX 460
DUFFIELD, VA 24244-0387 RAVENCLIFF, WV 25930

SURFACE OWNER WAIVER

Operator's Well
Number

Crouch R C ETAL SCL-4

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

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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,

_____	Date _____	Name _____
Signature		By _____
		Its _____

		Date _____

Signature

Date
09/19/2025

WW-4B

API No.	4710902094
Farm Name	Crouch, Letha M. et al
Well No.	Crouch R C ETAL SCL-4

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ☐ / owner ☐ / lessee ☐ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

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11/10/2016

PLUGGING PERMIT CHECKLIST
4710902094

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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Kennedy, James P <james.p.kennedy@wv.gov>

plugging permits issued 4710901883 02029 02094

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Wed, Sep 17, 2025 at 11:33 AM

To: Nicholas Bumgardner <nbumgardner@dgoc.com>, Alvis C Porter <alvis.c.porter@wv.gov>, mecook2@assessor.state.wv.us

To whom it may concern, plugging permits have been issued for 4710901883 02029 02094

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov

3 attachments **4710901883.pdf**
2691K **4710902094.pdf**
2663K **4710902029.pdf**
2598K

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