



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

Friday, January 9, 2026
WELL WORK PERMIT
Vertical / New Drill

MOUNTAINEER WELL SERVICES LLC
63899 WINTERGREEN RD.

LORE CITY, OH 43755

Re: Permit approval for Norma Smith 1R
47-085-10580-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

H. Jason Harmon
Acting Chief

A handwritten signature in black ink, appearing to read 'Jason Harmon'.

Operator's Well Number: Norma Smith 1R
Farm Name: ROGER SMITH WAYNE SMITH ROGER SMITH AND DA#
U.S. WELL NUMBER: 47-085-10580-00-00
Vertical New Drill
Date Issued: 1/9/2026

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.
9. 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.

4708510580

FORM WW-3 (B)
1/12

1) Date: 12/30/2025
 2) Operator's Well No. Norma Smith #1R
 3) API Well No.: 47 - Ritchie - Permit
 4) UIC Permit No. _____

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL TYPE: Liquid Injection / Gas Injection (not storage) / Waste Disposal
 6) LOCATION: Elevation: 837 Watershed: Nutter Fork Goose Creek
 District: Grant County Ritchie Quadrangle Cairo
 7) WELL OPERATOR: Mountaineer Well Services, LLC 8) DESIGNATED AGENT
 Address 579 Campus Drive Suite 220 Address Patrick Brake
Westerville, Ohio 43082 PO Box 2722
 9) OIL & GAS INSPECTOR TO BE NOTIFIED Buckhannon, WV 26201
 Name Jeremy Newton
 Address 8402 Staunton Turnpike
MacFarlan, WV 26148
 10) DRILLING CONTRACTOR
 Name Highland Drilling
 Address 130 Meadow Ridge Road
Mt Morris, PA 15349
 11) PROPOSED WELL WORK Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation Convert
 Other physical change in well (specify) _____
 12) GEOLOGIC TARGET FORMATION Oriskany/Bass Island Depth 5730 Feet (top) to 6240 Feet (bottom)
 13) Estimated Depth of Completed Well, (or actual depth of existing well): 6300 Feet
 14) Approximate water strata depths: Fresh 250 Feet Salt 1030 Feet
 15) Approximate coal seam depths:
 16) Is coal being mined in the area? Yes No
 17) Virgin reservoir pressure in target formation 1400 psig Source 85-10142
 18) Estimated reservoir fracture pressure 2940 psig (BHFP)
 19) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour 200 Bottom hole pressure 4655
 20) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES Produced fluids, flowback and
other class 2 fluids
 21) FILTERS (IF ANY) 5-10 micron
 22) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL Corrosion inhibitor added at a rate
of .25 gal per 1000.
 23) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (CU. FT.)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left In Well		
Conductor	24	B	94	X		40	40		Kinds
Fresh Water	18 5/8	J55BTC	87.5	X		600	600	CTS	Baker Hornet
Coal	13 3/8	H40	48	X		1250	1250	CTS	Sizes
Intermediate	9.625	J55	36	X		2400	2400	CTS	4.5 X 7
Production	7	N80	23	X		6300	6300	CTS	Depths set
Tubing	4.5	WT80	11.6	X		5700	5700		5680
Liners									Perforations
									Top <u>5730</u> Bottom <u>6240</u>

24) APPLICANT'S OPERATING RIGHTS were acquired from See attached assignment
 by deed _____ / lease _____ / other contract _____ / dated _____ of record in the _____
 County Clerk's office in _____ Book _____ Page _____

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WV Department of
Environmental Protection

Jeremy Newton

1-8-2026

01/16/2026



PROPOSED STEP-RATE TEST PROCEDURE

NORMA SMITH #1 (085-XXXXXX), RITCHIE COUNTY, WEST VIRGINIA

The following step-rate test is proposed to assist the West Virginia DEP, Office of Oil and Gas in establishing a maximum allowable surface injection pressure for the Norma Smith #1 saltwater disposal well.

Proposed Step-Rate Testing Procedure

- Prior to testing, move in two 500-barrel frac tanks (1,000 barrels) on to location and fill with produced water. A vacuum truck should be on standby to refill tanks accordingly during testing if necessary.
- Approximately 24 hours prior to testing, move in wireline unit. Install two downhole digital pressure recording devices above top perforation to record bottom hole pressure and allow for pressure stabilization. The wireline downhole pressure gauges will be tied off at the surface to record bottom hole pressures during the step-rate test.
- Lightening Energy will provide the pumping service with a cement pump truck that can pump at 0.5 barrels per minute.
- Pump schedule as per proposed Step-Rate Test Schedule provided on the following page starting at the minimum stable rate attainable by the pumps. The proposed step-rate test schedule is designed such that the surface injection pressure will be below the expected formation fracture gradient during at least three (3) injection steps of the test. Each step must be performed for the same duration of 30 minutes.
- Injection rates will be controlled with a constant flow regulator that has been tested prior to use. Injection rates will be measured with a calibrated flowmeter. If there is a clear indication that during testing that the fracture pressure of the formation pressure has been exceeded (i.e., 3 readings above the fracture pressure are observed), or if no breakdown is achieved at the end of the 10 steps then the test will conclude.
- As soon as formation fracture (breakdown) is achieved or at the end of the step-rate test with no breakdown, immediately shut down and record instantaneous shut-in pressure and continue recording shut in pressure fall off for 5 minutes, 10 minutes, 15 minutes, and 30 minutes after shutting down.
- Disconnect all hoses and lines and demobilize Lightening Energy and vacuum trucks. Have wireline unit back onsite to retrieve downhole pressure gauges.
- Get copies of all pumping services for inspector, Mountaineer Well Services, LLC, ALL Consulting, and WV DEP, Office of Oil and Gas.
- ALL Consulting will analysis the data and develop a log graph showing all step-rate test data from both the surface and bottom hole pressure data and provide an evaluation of the step-rate test.

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- WV DEP, Office of Oil and Gas allows the maximum allowable surface injection pressure to be 80% of formation fracture (breakdown) pressure.

Step Rate Test Schedule					
Step #	Rate (bpm)	Fluid Type	Stg Vol (bbl)	Cum Vol (bbl)	Stg Time (mins)
1	0.5	Produced Water	15	15	30
2	1	Produced Water	30	45	30
3	1.5	Produced Water	45	90	30
4	2	Produced Water	60	150	30
5	2.5	Produced Water	75	225	30
6	3	Produced Water	90	315	30
7	3.5	Produced Water	105	420	30
8	4	Produced Water	120	540	30
9	4.5	Produced Water	135	675	30
10	5	Produced Water	150	825	30
Total			825 bbls	5 HRS	

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FORM WW-3 (A)
1/12



1) Date: 12/30/25
2) Operator's Well No. Norma Smith #1R
3) API Well No.: 47 - 085 -
State County Permit
4) UIC Permit No. _____

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,

5) Surface Owner(S) To Be Served	7) (a) Coal Operator
(a) Name	Name
Address	Address
(b) Name	7) (b) Coal Owner(S) With Declaration Of Record
Address	Name
(c) Name	Address
Address	Name
Address	Address
6) Inspector	7) (c) Coal Lessee with Declaration Of Record
Address	Name
Telephone	Address

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

- (1) The Application For A Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is 5/1 20 26 .

THE REASON YOU HAVE RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION [(FORM WW-3(B))] DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE 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 Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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 the mailing or delivery to the Chief.

The person signing this document shall make the following certification:

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

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Well Operator	Mountaineer Well Services, LLC
Address	579 Campus Drive Suite 220
	Westerville, Ohio 43082
By:	Parshan Vyas
Its:	Owner
Signature:	

WV Department of
Environmental Protection

01/16/2026

FORM WW-3 (A)
 (Instructions to Applicant)
 1/12

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice;
- 2) Your Well Name and Number;
- 3) To be filled out by the Office of Oil & Gas unless this well is covered by an existing permit;
- 4) To be filled out by the Office of Oil & Gas unless this well is covered by an existing permit;
- 5) Use separate sheet, if necessary;
 Surface Owner(s) of record to be served with the Notice of Application. However, see also Code 22-6-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands."
- 6) Inspector;
- 7) Use separate sheet, if necessary;
 - a) "Coal Operator" means a person, firm, partnership, partnership association or corporation that proposes to or does operator a coal operator;
 - b) See Code 22-6-36;
 - c) See Code 22-6-36;

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code 22-6-6 and Regulation 7.02 provide that the original and two copies of the Notice and Application must be filed with the Chief, accompanied by (1) a plat in the form prescribed by Regulation 11; (2) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by code 22-6-26; and (3) the "Construction and Reclamation Plan" for Form WW-9, applicable to the plan required by Code 22-1-G(d) and the reclamation required by Code 22-6-30 and Regulation 23; unless if applicable, the consent required by code 22-6-21 from the owner of any water well or dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with interest in the coal. See Code 22-6-9, 22-6-13 and 22-6-14.

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FORM WW-3(B)
(Office of Oil & Gas Use Only)
1/12

OFFICE USE ONLY

DRILLING PERMIT

Permit Number _____

Date: _____

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil & Gas Inspector, (Refer to No. 9) prior to the construction of roads, locations, pits for any permitted work. In addition, the Well Operator or his contractor shall notify the proper District Oil & Gas Inspector 24 hours before actual permitted work has commenced.

The permitted work is as described in the Notice of Application, plat and (if required) Construction and Reclamation Plan, subject to any modifications and conditions specified below.

Permit Expires _____ unless well work is commenced prior to that date and prosecuted with due diligence.

Bond	Agent	Plat	Casing	Fee

CHIEF, OFFICE OF OIL & GAS

Note: Keep One Copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

Application Received _____ Date _____
Well Work Started _____
Total Depth Reached _____
Well Record Received _____
Reclamation Completed _____

Follow-up Inspection(s) _____ Date _____
" " _____
" " _____
" " _____
" " _____

OTHER INSPECTIONS

Reason: _____
Reason: _____

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01/16/2026

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WW-2A / 3A Surface Waiver

SURFACE OWNER WAIVER

County	Ritchie	Operator	Mountaineer Well Services LLC
		Operator well number	Norma Smith #1R

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A / 3A

The well operator named on page WW-2A / 3A is applying for a permit from the State to do oil or gas well work. (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 **FIFTEEN (15) 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.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

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 Well Work Permit on Form WW2-A / 3A, and attachments consisting of pages 1 through ____ including a work order on Form WW-2B / 3A, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

A Wayne Smith
Signature

Date 12/30/25

Company

Name

By

Its

Date

Print Name

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Office of Oil and Gas

JAN 08 2026

Signature

Date

SURFACE OWNER WAIVER

County RitchieOperator
Operator well numberMountaineer Well Services LLC
Norma Smith #1RINSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A / 3A

The well operator named on page WW-2A / 3A is applying for a permit from the State to do oil or gas well work. (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.

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Department of Environmental Protection
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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


Signature
Roger A. Smith

Print Name

Date 12/30/25 Company _____

Name _____

By _____

Its _____

Date _____

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Office of Oil and Gas

JAN 08 2026

Signature

Date

WV Department of
Environmental Protection

01/16/2026

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WW-2A / 3A Surface Waiver

SURFACE OWNER WAIVER

County Ritchie

Operator
Operator well number

Mountaineer Well Services LLC
Norma Smith #1R

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- 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;
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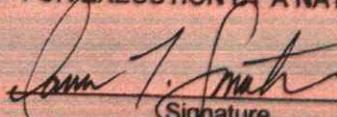
List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

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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


Signature

Print Name

Date 12/30/2025 Company

Name

By

RECEIVED
Office of Oil and Gas

JAN 08 2026

Signature

Date

Date

WV Department of
Environmental Protection

01/16/2026

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Jennings A Smith	Craig L Harden	1/8	164/410
See Lease amendment ratification	Standard Oil Company, Inc	cents per bbl	328/708-713
Term assignment Standard Oil Company, Inc	Cheetah Exploration & Production LLC	cents per bbl	328/714

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

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WV Department of
Environmental Protection

Well Operator:
By: Its:

Mountaineer Well Services, LLC

Darshan Vyas, owner Al

4708510580

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
09/06/2013 3:11:33:25 AM
RECORDED
BOOK 349 PAGE 072
Fees Recorded \$3
Recording out \$0

MEMORANDUM OF ASSIGNMENT

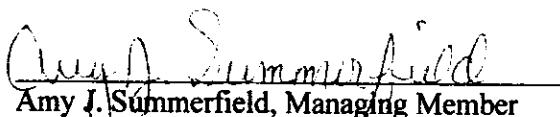
This Memorandum of Assignment is made and entered into this 28 day of November, 2022, by and between **Cheetah Exploration & Production, LLC**, with a mailing address of P. O. Box 2722, Buckhannon, West Virginia 26201, (hereinafter, "Assignor"), and **Mountaineer Well Services, LLC**, with a mailing address of 114 Southgate Parkway, Cambridge, Ohio 43725, (hereinafter, "Assignee").

WHEREAS, by Partial Assignment and Conveyance of Oil and Gas Leases dated the 27th day of October, 2022, Assignor did assign to the Assignee all right, title and interest in and to the lease formations from the bottom of the Onondaga formation to a depth of 7,000 feet, for the purpose of drilling, completing and operating a Class II disposal well on the Leaseholds described in Exhibit "A", hereby attached and made a part of this Agreement.

NOW, THEREFORE, the undersigned parties agree to place of record this Memorandum of Assignment for purposes of providing notice of same.

IN WITNESS WHEREOF, the Assignor and Assignee have caused this Memorandum of Assignment to be effective as of the 27th day of October, 2022.

Cheetah Exploration and Production, LLC



Amy J. Summerfield, Managing Member

Mountaineer Well Services, LLC



Ernie Malas, Managing Member

[Notary Page to Follow]

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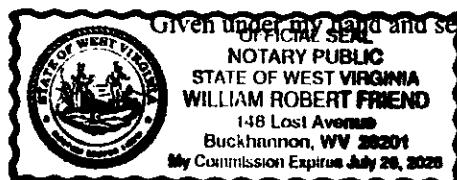
01/16/2026

4708510580

STATE OF WEST VIRGINIA.

COUNTY OF UPSHUR, TO-WIT:

I, William R Friend, a Notary Public in and for the county and state aforesaid, do hereby certify that Amy J. Summerfield, who signed the writing above bearing date the 3 day of November, 2022, for Cheetah Exploration and Production, LLC, a West Virginia limited liability company, has this day acknowledged the same to be the act and deed of said company.



Notary Public

My commission expires: 144 26 2026.

STATE OF OHIO.

COUNTY OF FRANKLIN, TO-WIT:

I, Alexis Sidwell, a Notary Public in and for the county and state aforesaid, do hereby certify that Ernie Malas, who signed the writing above bearing date the 3rd day of November, 2022, for Mountaineer Well Services, LLC, a West Virginia limited liability company, has this day acknowledged the same to be the act and deed of said company.

Given under my hand and seal this 3rd day of November, 2022.



This instrument prepared by Cheetah Exploration and Production, LLC, P. O. Box 2722, Buckhannon, West Virginia 26201

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Exhibit A

Lessor	Lessee	Date/Original Lease	Acreage	Book/Page	County	District
Jennings A. Smith	Craig Harden	9/27/1983	157	164/470	Ritchie	Grant
Oil Gas and Historical Industrial Association	Cheetah Exploration & Production, LLC	8/3/2021	95	329/502	Ritchie	Grant
Daniel E. Wyatt	Cheetah Exploration & Production, LLC	8/23/2021	165	330/452	Ritchie	Grant

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WW-2B1
(5-12)Well No. Norma Smith #1RWest Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name	Sturm Environmental	RECEIVED
Sampling Contractor	GCS Consulting, LLC	Office of Oil and Gas

JAN 08 2026

Well Operator	Mountaineer Well Services, LLC	WV Department of
Address	579 Campus Drive Suite 220	Environmental Protection
	Westerville, Ohio 43082	
Telephone	614-599-8625	

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

① Wayne & Elaine Smith
96 Nutter Farm Road
Cairo, WV 26337

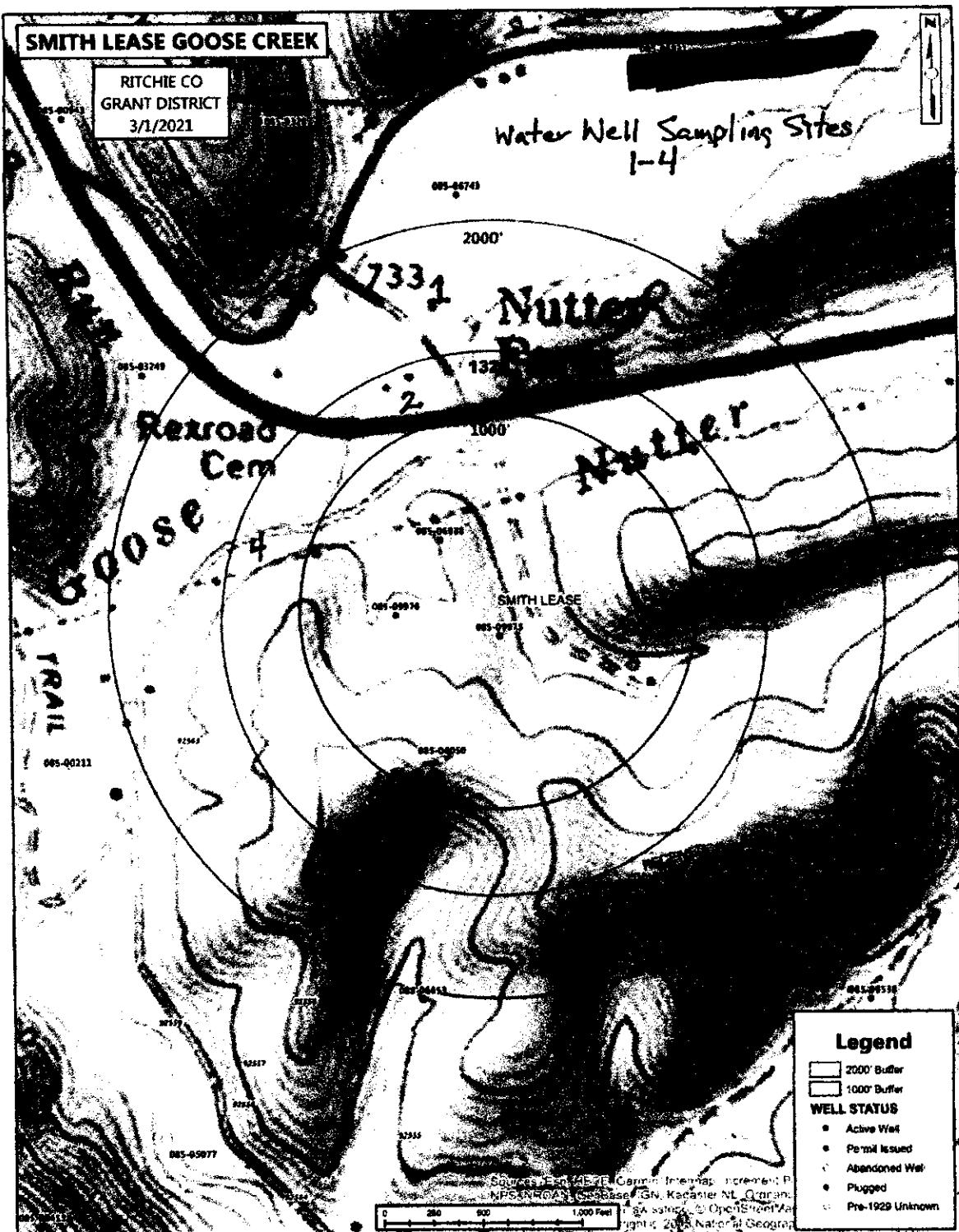
② Kelly Haga
67 Nutter Farm Road
Cairo, WV 26337

③ Shannon Stanley
22 Nutter Farm Road
Cairo, WV 26337

④ Bill Rhinehart
461 Goose Creek Rd
Petroleum, WV 26161

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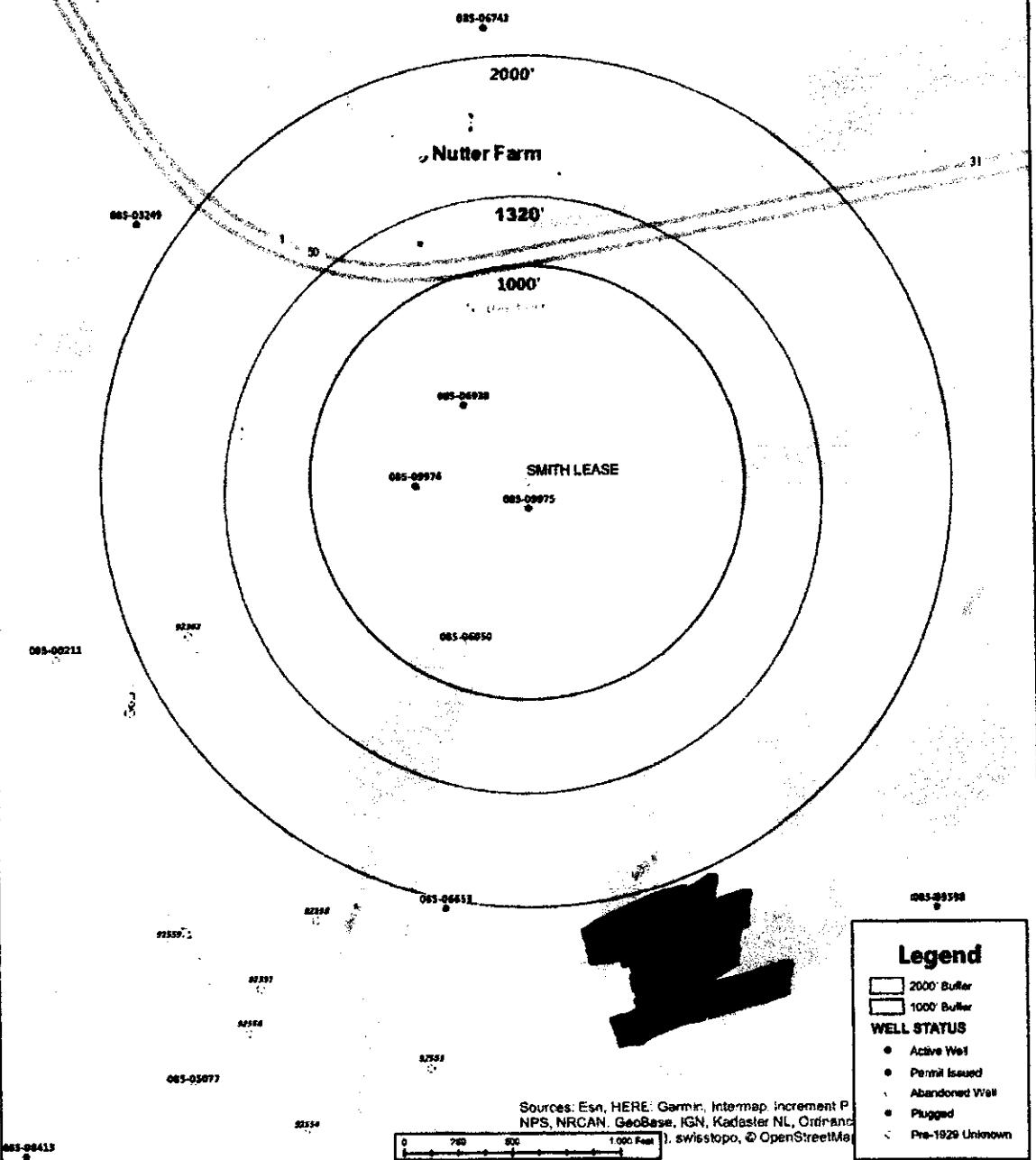
WV Department of
Environmental Protection

01/16/2026

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SMITH LEASE GOOSE CREEK

RITCHIE CO
GRANT DISTRICT
3/1/2021



Sources: Esri, HERE, Garmin, Intermapper, Increment P, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance

Legend

	2000' Buffer
	1000' Buffer

WELL STATUS

- Active Well
- Permit Issued
- ✓ Abandoned Well
- Plugged
- ✓ Pre-1929 Unknown

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WV Department of
Environmental Protection

01/16/2026



VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

DATE/TIME SAMPLED: * 03-04-25 1250

SAMPLE ID: BILL RINEHART
NORMA SMITH #1 PERMIT

DATE/TIME RECEIVED: 03-05-25 1300

SAMPLED BY: G. SMITH

LABORATORY ID: MWS 250305-4

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
pH	7.4 e	units	SM 22 nd 4500 H B	.1	2.-10.	03-05-25 1504	JV
TDS	232	mg/L	USGS I-1750-85	4	50	03-08-25 1235	JH/MM
SO ₄	27.3	mg/L	EPA 300.0 Rev 2.1-1993	3.00	10.0	03-10-25 1732	DC
Cl	4.25	mg/L	EPA 300.0 Rev 2.1-1993	1.00	1.0	03-08-25 1222	DC
MBAS	U	mg/L	SM22 nd 5540C	.02	.04	03-05-25 1858	SW
Br	.14 J	mg/L	EPA 300.0 Rev 2.1-1993	.10	.50	03-14-25 2057	DC
Sr	847.	ug/L	EPA 200.8 Rev 5.4-1994	.25	1.0	03-12-25 1115	DB
Ba	188.	ug/L	EPA 200.8 Rev 5.4-1994	.06	1.0	03-12-25 1115	DB
Fe	U	mg/L	EPA 200.8 Rev 5.4-1994	.05	.25	03-07-25 1128	DB
Mn	U	mg/L	EPA 200.8 Rev 5.4-1994	.001	.002	03-07-25 1128	DB
Al	U	mg/L	EPA 200.8 Rev 5.4-1994	.015	.02	03-07-25 1128	DB
As	.18 J	ug/L	EPA 200.8 Rev 5.4-1994	.10	1.0	03-07-25 1128	DB
Na	28.3	mg/L	EPA 200.8 Rev 5.4-1994	.05	.10	03-07-25 1128	DB
Ca	45.3	mg/L	EPA 200.8 Rev 5.4-1994	.10	.10	03-07-25 1128	DB

*Client Provided

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted.

Data Qualifiers

B Analyte found in reagent blank. Indicates possible reagent or background contamination.
 E Estimated Reported value exceeded calibration range.
 J Reported value is an estimate because concentration is less than reporting limit.
 PND Precision not determined.
 R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and/or re-analysis is necessary.
 RND Recovery not determined.
 U Compound was analyzed for, but not detected.
 O Out of holding. Time does not meet 40 CFR 136/141 compliance.
 T This result is not supported by our certification ID.
 A Does not meet 40 CFR 136/141 compliance. RECEIVED
Office of Oil and Gas
 C Does not meet 47 CSR 32 compliance.

Narrative:

JAN 08 2026

Approved

WV Department of
Environmental Protection

4708510580

Sturm Environmental Services

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

DATE/TIME SAMPLED: * 03-04-25 1225

SAMPLE ID: SHANNON STANLEY
NORMA SMITH #1 PERMIT

DATE/TIME RECEIVED: 03-05-25 1300

SAMPLED BY: G. SMITH

LABORATORY ID: MWS 250305-3

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
pH	7.0 c	units	SM 22 nd 4500 H B	.1	2.10.	03-05-25 1504	JV
TDS	105	mg/L	USGS I-1750-85	4	50	03-08-25 1235	JH/MM
SO ₄	11.0	mg/L	EPA 300.0 Rev 2.1-1993	3.00	10.0	03-10-25 1732	DC
Cl	2.46	mg/L	EPA 300.0 Rev 2.1-1993	1.00	1.0	03-08-25 1222	DC
MBAS	U	mg/L	SM22 nd 5540C	.02	.04	03-05-25 1858	SW
Br	U	mg/L	EPA 300.0 Rev 2.1-1993	.10	.50	03-14-25 2057	DC
Sr	553.	ug/L	EPA 200.8 Rev 5.4-1994	.25	1.0	03-12-25 1115	DB
Ba	234.	ug/L	EPA 200.8 Rev 5.4-1994	.06	1.0	03-12-25 1115	DB
Fe	U	mg/L	EPA 200.8 Rev 5.4-1994	.05	.25	03-07-25 1128	DB
Mn	U	mg/L	EPA 200.8 Rev 5.4-1994	.001	.002	03-07-25 1128	DB
Al	.053	mg/L	EPA 200.8 Rev 5.4-1994	.015	.02	03-07-25 1128	DB
As	.46 J	ug/L	EPA 200.8 Rev 5.4-1994	.10	1.0	03-07-25 1128	DB
Na	7.71	mg/L	EPA 200.8 Rev 5.4-1994	.05	.10	03-07-25 1128	DB
Ca	25.8	mg/L	EPA 200.8 Rev 5.4-1994	.10	.10	03-07-25 1128	DB

*Client Provided

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted.

Data Qualifiers

B Analyte found in reagent blank. Indicates possible reagent or background contamination.
 E Estimated Reported value exceeded calibration range.
 J Reported value is an estimate because concentration is less than reporting limit.
 PND Precision not determined.
 R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and/or re-analysis is necessary.
 RND Recovery not determined.
 U Compound was analyzed for, but not detected.
 O Out of holding. Time does not meet 40 CFR 136/141 compliance.
 T This result is not supported by our certification ID.
 A Does not meet 40 CFR 136/141 compliance.
 C Does not meet 47 CSR 32 compliance
 RECEIVED

Narrative:

Office of Oil and Gas

JAN 08 2026

Approved

*Douglas W. Bentz*WV Department of
Environmental ProtectionMAIN OFFICE AND LABORATORY—POST OFFICE BOX 650 • BRIDGEPORT, WEST VIRGINIA 26330 • (304) 623-6549
CHARLESTON FIELD OFFICE—POST OFFICE BOX 8337 • SOUTH CHARLESTON, WEST VIRGINIA 25303-0337 • (304) 744-9864

01/16/2026

4708510580

Sturm Environmental Services

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

DATE/TIME SAMPLED: * 03-04-25 1205

SAMPLE ID: KELLY HAGA
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH

DATE/TIME RECEIVED: 03-05-25 1300

LABORATORY ID: MWS 250305-2

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
pH	7.6 e	units	SM 22 nd 4500 H B	.1	2.10	03-05-25 1504	JV
TDS	509	mg/L	USGS I-1750-85	4	50	03-08-25 1235	JH/MM
SO ₄	31.9	mg/L	EPA 300.0 Rev 2.1-1993	3.00	10.0	03-10-25 1732	DC
Cl	148.	mg/L	EPA 300.0 Rev 2.1-1993	1.00	1.0	03-08-25 1222	DC
MBAS	U	mg/L	SM22 nd 5540C	.02	.04	03-05-25 1858	SW
Br	.22 J	mg/L	EPA 300.0 Rev 2.1-1993	.10	.50	03-14-25 2057	DC
Sr	2.65	ug/L	EPA 200.8 Rev 5.4-1994	.25	1.0	03-12-25 1115	DB
Ba	1.99	ug/L	EPA 200.8 Rev 5.4-1994	.06	1.0	03-12-25 1115	DB
Fe	U	mg/L	EPA 200.8 Rev 5.4-1994	.05	.25	03-07-25 1128	DB
Mn	.002	mg/L	EPA 200.8 Rev 5.4-1994	.001	.002	03-07-25 1128	DB
Al	U	mg/L	EPA 200.8 Rev 5.4-1994	.015	.02	03-07-25 1128	DB
As	1.62	ug/L	EPA 200.8 Rev 5.4-1994	.10	1.0	03-07-25 1128	DB
Na	195.	mg/L	EPA 200.8 Rev 5.4-1994	.05	.10	03-07-25 1128	DB
Ca	.22	mg/L	EPA 200.8 Rev 5.4-1994	.10	.10	03-07-25 1128	DB

*Client Provided

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted.

Data Qualifiers

B Analyte found in reagent blank. Indicates possible reagent or background contamination.
 E Estimated Reported value exceeded calibration range.
 J Reported value is an estimate because concentration is less than reporting limit.
 PND Precision not determined.
 R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and/or re-analysis is necessary.
 RND Recovery not determined.
 U Compound was analyzed for, but not detected.
 O Out of holding. Time does not meet 40 CFR 136/141 compliance.
 T This result is not supported by our certification ID.
 A Does not meet 40 CFR 136/141 compliance.
 C Does not meet 47 CSR 32 compliance.

Narrative:

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JAN 08 2026

Approved

Dorothy W. Bentz

WV Department of
Environmental ProtectionMAIN OFFICE AND LABORATORY—POST OFFICE BOX 650 • BRIDGEPORT, WEST VIRGINIA 26330 • (304) 623-6549
CHARLESTON FIELD OFFICE—POST OFFICE BOX 8337 • SOUTH CHARLESTON, WEST VIRGINIA 25303-0337 • (304) 744 9864

01/16/2026

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Sturm Environmental Services

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES
SAMPLE ID: WAYNE SMITH
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH
LOG NO: T015-25

DATE/TIME SAMPLED: * 03-04-25 1145
DATE/TIME RECEIVED: 03-05-25 1300
LABORATORY ID: LIMS 038

*Client Provided

**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted. Microbiological analysis results will be discarded after 5 years

Microbiological analysis results will be discarded after 5 years

Method of Analysis from "Standard Methods for the Examination of Water and Wastewater."

Data Qualifiers

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E Estimated Reported value exceeded calibration range.

Reported value is an estimate because concentration is less than reporting limit.

PND Precision not determined.

R Sample results rejected because of gross deficiencies in QC or method performance. Re-sampling and/or re-analysis is necessary.

RND Recovery not determined.

U Compound was analyzed for, but

O Out of holding. Time does not meet 40 CFR 112

T This result is not supported by our certification ID.

A Does not meet 40 CFR 136/141 compliance.

C Does not meet 47 CFR 32 compliance.

Narrative:

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JAN 08 2026
WV Department of
Environmental Protection

Approved

Douglas H. Bentler

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01/16/2026

4708510580

Sturm Environmental Services

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

DATE/TIME SAMPLED: * 03-04-25 1145

SAMPLE ID: WAYNE SMITH
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH

DATE/TIME RECEIVED: 03-05-25 1300

LABORATORY ID: MWS 250305-1

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	MINIMUM REPORTING LIMIT	DATE/TIME ANALYZED	ANALYST
pH	7.8 c	units	SM 22 nd 4500 H B	.1	2.-10.	03-05-25 1504	JV
TDS	314	mg/L	USGS I-1750-85	4	50	03-08-25 1235	JH/MM
SO ₄	U	mg/L	EPA 300.0 Rev 2.1-1993	3.00	10.0	03-10-25 1732	DC
Cl	59.5	mg/L	EPA 300.0 Rev 2.1-1993	1.00	1.0	03-08-25 1222	DC
MBAS	U	mg/L	SM22 nd 5540C	.02	.04	03-05-25 1858	SW
Br	.23 J	mg/L	EPA 300.0 Rev 2.1-1993	.10	.50	03-14-25 2057	DC
Sr	314.	ug/L	EPA 200.8 Rev 5.4-1994	.25	1.0	03-12-25 1115	DB
Ba	362.	ug/L	EPA 200.8 Rev 5.4-1994	.06	1.0	03-12-25 1115	DB
Fe	.14	mg/L	EPA 200.8 Rev 5.4-1994	.05	.25	03-07-25 1128	DB
Mn	.087	mg/L	EPA 200.8 Rev 5.4-1994	.001	.002	03-07-25 1128	DB
Al	U	mg/L	EPA 200.8 Rev 5.4-1994	.015	.02	03-07-25 1128	DB
As	5.08	ug/L	EPA 200.8 Rev 5.4-1994	.10	1.0	03-07-25 1128	DB
Na	121.	mg/L	EPA 200.8 Rev 5.4-1994	.05	.10	03-07-25 1128	DB
Ca	14.8	mg/L	EPA 200.8 Rev 5.4-1994	.10	.10	03-07-25 1128	DB

*Client Provided

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Narrative:

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Office of Oil and Gas

JAN 08 2026

Approved

*Douglas W. Bowes*WV Department of
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01/16/2026

4708510500

Form WW-9

Operator's Well No. Norma Smith #1R

Mountaineer Well Services, LLC

Proposed Revegetation Treatment: Acres Disturbed 5 Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre	Seed Type	lbs/acre
Contractors Mix	100	Contractors Mix	100

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jeremy Newton

Comments: _____

Title: OOg Inspector Date: 1-8-2026

Field Reviewed? (X) Yes () No

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01/16/2026

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

Operator Name: Mountaineer Well Services, LLC
 Watershed (HUC 10): Goose Creek Hughes River 0503020311 Quad: Cairo
 Farm Name: Wayne, Roger and Darren Smith

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

Attached is the procedure being used to treat and discharge fluids. List of possible contamination operations.....Breach in liner, Land applying fluids too quickly, Improper treatment of fluids. Ponding and runoff.

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

Be careful not to puncture/rip liner and properly treat pit. Maintain steady flowing discharge and allow no run off or ponding.

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

Goose Creek is approximately 1000 feet and the closest WHPA is 9.5 miles Northwest to Belmont.

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JAN 9 8 2026

WV Department of
Environmental Protection

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

DEP-OOG regulates casing ran across freshwater producing zones and cemented to surface. Also have BMPs in place for surface water and secondary tank containment requirements. Injection operations including facility per Underground Injection Control Program guidelines observed as Class II.

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

Four (4) water wells within 2000' have been sampled and the analyses are available with the drilling application through the WVDEP-OOG.

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

No material will be used for deicing or fill material on the 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.

Contractors and employees will be instructed on preventing spillage and the proper maintenance/operation of the treatment process. Direction will be provided on the prevention of contamination and the quick response methods to be utilized for handling possible contamination issues.

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

Inspections will be made continually during the treatment and discharge operations. Notes will be taken hourly and be available upon request.

Signature: 

RECEIVED
Office of Oil and Gas

Date: 1/7/26

JAN 08 2026

WV Department of
Environmental Protection

01/16/2026

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Office of Oil and Gas

AN 08 2026

WV Department of
Environmental Protection

P.t

Treatment & Discharge of Drilling P.t

1st Notify DEP Inspector of Work

1st Notify Water in P.t Column

Field test Water in P.t Column

1. Correct Water Parameters to acceptable levels

pH 6.0 to 10.0

Cl less than 5,000 ppm - Category 1

pH has to be less than 5,000 ppm

Fe < 10 ppm

Dissolved oxygen > 2.5 ppm

3. Correct parameters with Hydrated Lime

or Aluminum Sulfate i.e. Alum or

Aeration - Aeration has to equal 1.5

P.t volumes

4. After treatment Resample P.t volume,

assuring Water parameter correction

5. Notify Inspector for land application

6. 3rd party sample water for parameters

7. Upon approval land Apply water on

vegetated ground, using silt sacks

or perforated hose to evenly spread

water.

8. Fill out and supply W.V. DEP

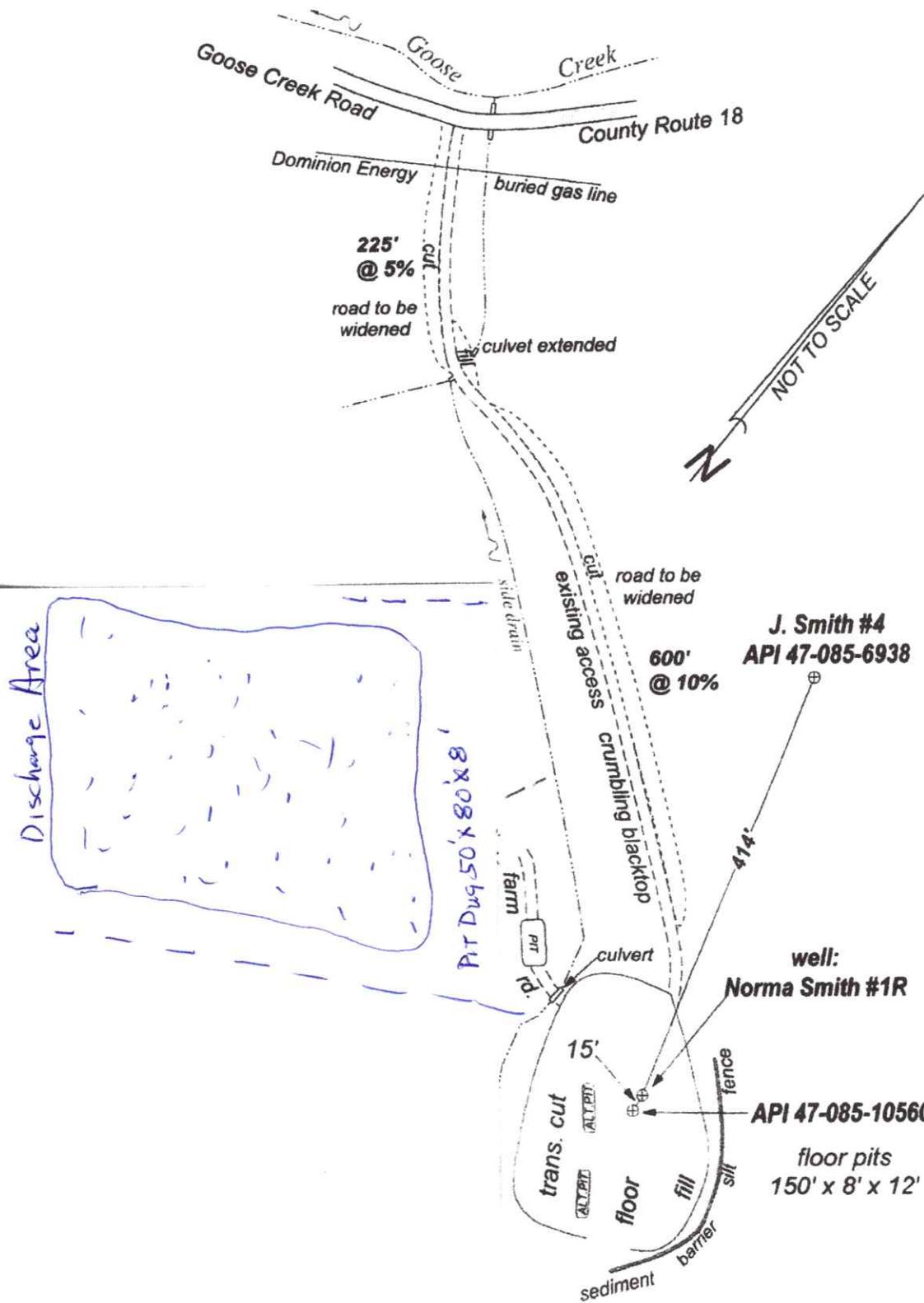
WR-34 form which is the Discharge
Monitor Report

01/16/2026

For GPP

4708510580

MOUNTAINEER WELL SERVICES, LLC
Well: Norma Smith # 1R
Norma Smith, et al +/- 157 Acre Lease
Grant District Ritchie County West Virginia



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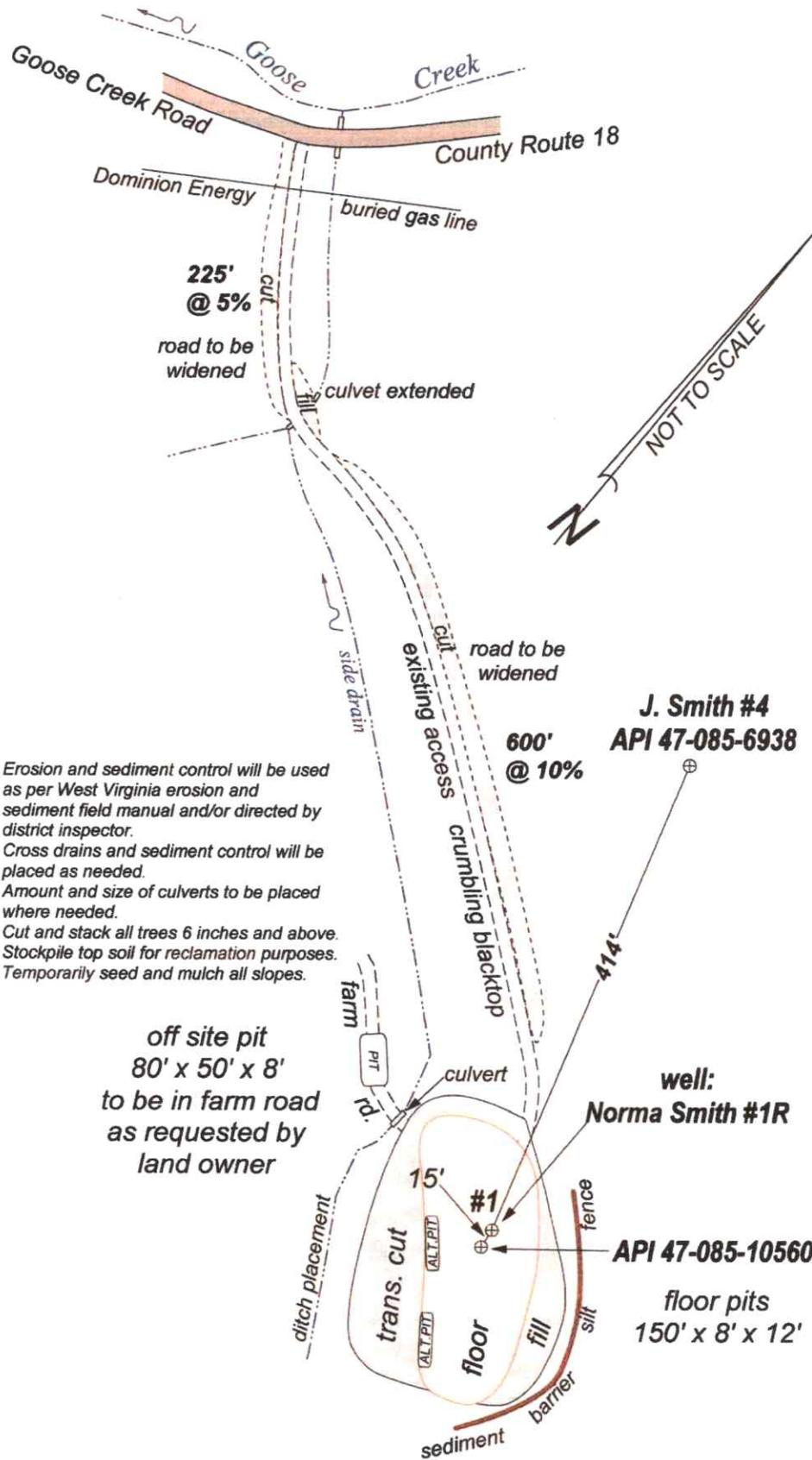
JAN 08 2026

WV Department of
Environmental Protection

01/16/2026

4708510580

MOUNTAINEER WELL SERVICES, LLC
Well: Norma Smith #1R
Norma Smith, et al +/- 157 Acre Lease
Grant District Ritchie County West Virginia



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81°13' 18.475" (81.22179)

3855'

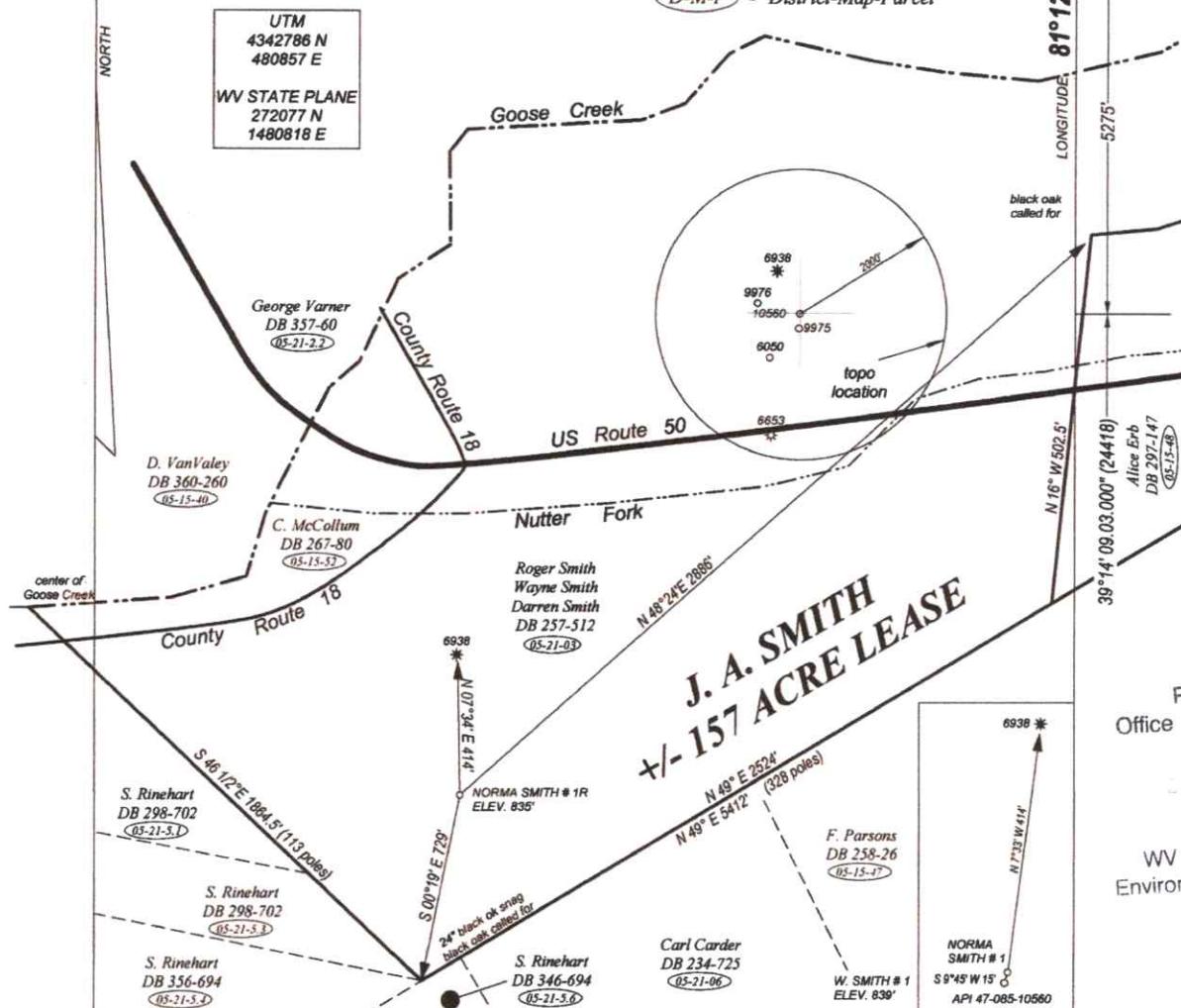
LATITUDE

39°15' 00"

81°12' 30"

5225'

(D-M-P) = District-Map-Parcel

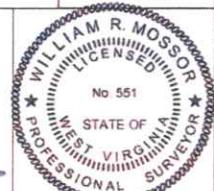
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FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE
 OF ACCURACY 1:200
 PROVEN SOURCE
 OF ELEVATION GPS
 OBSERVATION _____

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 ENERGY
 (SIGNED) *MacLean* PROFESSIONAL SURVEYOR: 551

DATE DECEMBER 31ST, 2025
OPERATORS WELL NO. NORMA SMITH #1RAPI 47 - 085 -
STATE COUNTY PERMITWELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL XX
(IF GAS) PRODUCTION STORAGE DEEP XX SHALLOWLOCATION: ELEVATION 835' WATER SHED NUTTER FORK OF GOOSE CREEK
DISTRICT GRANT COUNTY RITCHIE QUADRANGLE CAIROSURFACE OWNER ROGER SMITH 1/3, WAYNE SMITH 1/3, ROGER SMITH & DARREN SMITH 1/3 ACREAGE +/- 157.63
OIL & GAS ROYALTY NORMA SMITH, ET AL LEASE AC. +/- 157PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL
FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY - BASS ISLAND ESTIMATED DEPTH 5700' TO 6300'

WELL OPERATOR MOUNTAINEER WELL SERVICES, LLC DESIGNATED AGENT PAT BRAKE
ADDRESS 579 CAMPUS DRIVE, SUITE 220 ADDRESS P. O. BOX 2722
WESTERVILLE, OH 43087 BUCKHANNON, WV 26201

4708510580
GCS Consulting, LLC
628 Amma Road, Clendenin West Virginia 25045
304-444-0085 genecsmith17@gmail.com

CKT 1309
4550

December 30, 2025

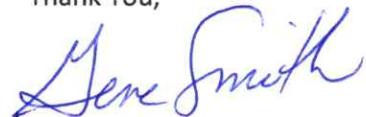
Mr. Charles Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

Re: Mountaineer Well Services Drilling Permit Application for Norma Smith #1R

Mr. Brewer,

Per our recent conversation, the drilling of Norma Smith #1 47-85-10560 was ceased December 24, 2025 due to a red rock issue when drilling the intermediate hole. The well bore has been abandoned by plugging with cement up inside the existing 13 3/8" surface casing, which is cemented to surface. Mountaineer wishes to continue to drill on this site and skid to a re permit. Please find a new drilling application enclosed including waivers. Be advised that the rig is on location and I am requesting to be contacted as soon as permit is issued.

Thank You,



Gene Smith
GCS Consulting, LLC

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4708510580

GCS Consulting, LLC
4282 Amma Road, Amma West Virginia 25005
304-444-0085 genecsmith17@gmail.com

December 30, 2025

Mr. Taylor Brewer, Assistant Chief of Permitting
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

Re: Step rate test Request for Norma Smith #1R by Mountaineer Well Services, LLC

Taylor,

Plans are to drill a new commercial Class II disposal well in Ritchie County West Virginia. The Well Work application to apply for this permit has been submitted to the WVDEP-Office of Oil and Gas along with this request. When this permit is issued and drilled Mountaineer Well Services, LLC wishes to conduct a step rate test on the Oriskany and the Bass Island formations. Open hole logs will provide details of formation thicknesses and areas to perforate. Correlation with API 47-085-07367 and 47-85-09538 would have the Oriskany at 5755-5846 feet and the Bass Island at 6151-6196 feet. Plans are then to acidize the perforated intervals through 4 1/2" casing with up to 1500 gallons of 20%- 28% HCL and then conduct the test. If the test is successful a complete UIC Permit application will be submitted for review. The packer will be set within 100 feet of the top of the Oriskany. The test procedure provided by ALL Consulting is attached. The maximum injection pressure will be established by the Office of Oil and Gas based upon the information that has been provided. The duration of the test will be up to 8 hours.

On behalf of Mountaineer Well Services, LLC I am hereby asking for written approval to conduct the step rate test. Should you need additional information or wish to discuss it feel free to contact me. Thanks for the consideration.

Gene Smith



GCS Consulting, LLC

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01/16/2026



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

well work permit issued 4708510580

1 message

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

Fri, Jan 9, 2026 at 1:27 PM

To: Jeremy D Newlon <jeremy.d.newlon@wv.gov>, genecsmith17@gmail.com, amossor@wvassessor.com

To whom it may concern, a well work permit has been issued for 4708510580.

--

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

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01/16/2026