



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

Thursday, May 8, 2025
WELL WORK PERMIT
Vertical / New Drill

MOUNTAINEER WELL SERVICES LLC
63899 WINTERGREEN RD.

LORE CITY, OH 43755

Re: Permit approval for Norma Smith #1
47-085-10560-00-00

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

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

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

James A. Martin
Chief

Operator's Well Number: Norma Smith #1
Farm Name: ROGER SMITH WAYNE SMITH
U.S. WELL NUMBER: 47-085-10560-00-00
Vertical New Drill
Date Issued: 05/08/2025

Promoting a healthy environment.

05/09/2025

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 within 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 Officer 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.

05/09/2025

PERMIT CONDITIONS (CONTINUED)

9. The proposed Step-Rate test must be conducted in accordance with the EPA Region VIII procedure. The Office of Oil and Gas inspector will be notified to witness the test.

05/09/2025

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

February 13, 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 #1 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. Enclosed please find copies of the well work application, well schematic and topo map section. Should you need additional information or wish to discuss feel free to contact me. Thanks for the consideration.

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Office of Oil and Gas

APR 21 2025

WV Department of
Environmental Protection

Gene Smith



GCS Consulting, LLC

05/09/2025

APR 21 2025

WV Department of
Environmental Protection

PROPOSED STEP-RATE TEST PROCEDURE

NORMA SMITH #1 (085-XXXXX), 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

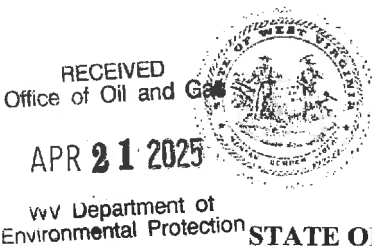
- Prior to testing, move in two 500-barrel frac tanks (1,000 barrels) on to location and fill with produced water. A vacuum truck should be on standby to refill tanks accordingly during testing if necessary.
- Approximately 24 hours prior to testing, move in wireline unit. Install two downhole digital 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.

- 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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Office of Oil and Gas
APR 21 2025
WV Department of
Environmental Protection

FORM WW-3 (B)
1/12



1) Date: 02/13/2025
2) Operator's Well No. Norma Smith #1
3) API Well No.: 47 - Ritchie - Permit
State County
4) UIC Permit No.

CK# 2409
CK# 550.00

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
Address 114 Southgate Parkway
Cambridge, Ohio 43725
8) DESIGNATED AGENT Patrick Brake
Address PO Box 2722
Buckhannon, WV 26201
9) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Jeremy Newlon
Address 8402 Staunton Turnpike
MacFarlan, WV 26148
10) DRILLING CONTRACTOR
Name Unknown
Address

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	18	plain end	.250	X		40	40		Kinds
Fresh Water	13.375	H40	48	X		300	300	CTS	Baker Homet
Coal									Sizes
Intermediate	9.625	J55	36	X		2300	2300	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 Bottom
									5730 6240

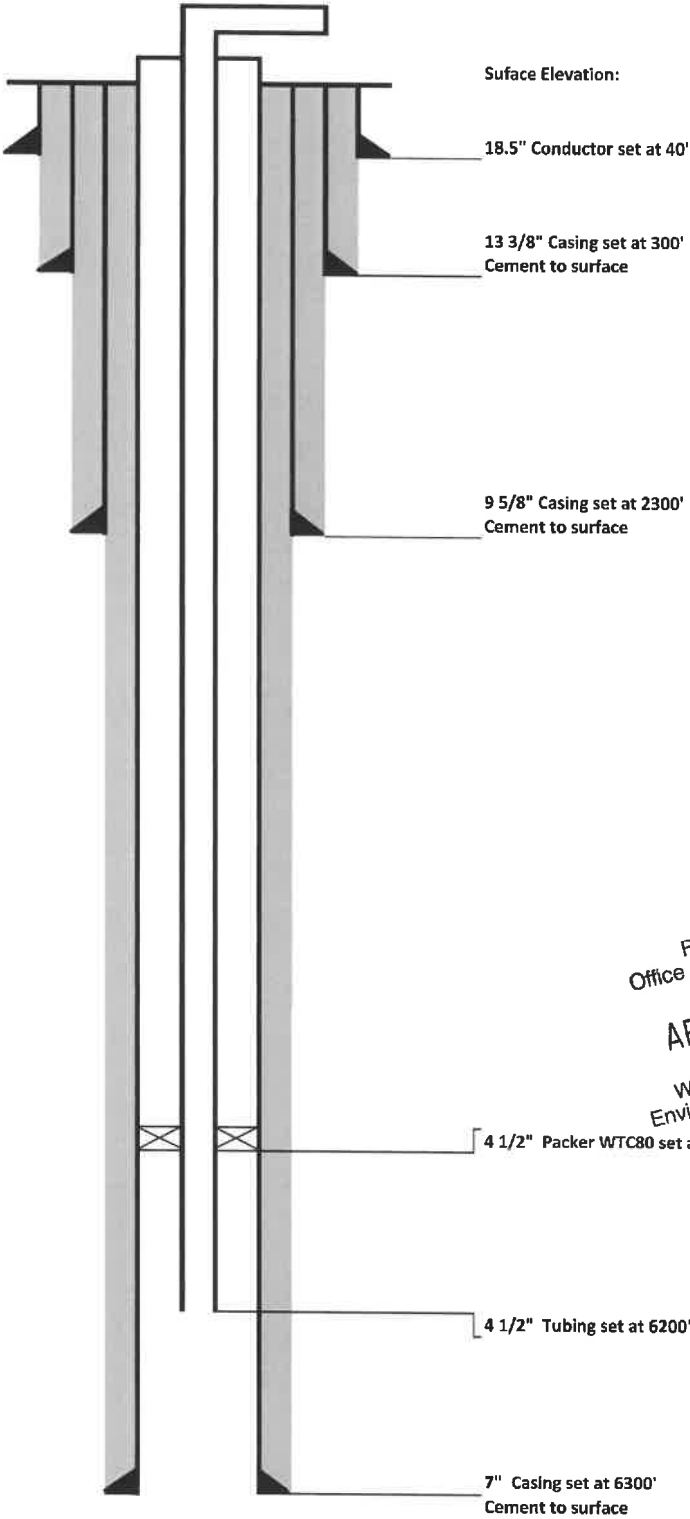
24) APPLICANT'S OPERATING RIGHTS were acquired from See attached assignment
by deed / lease / other contract / dated of record in the
County Clerk's office in Book Page

JN - 3-4-25

4708510560

GOOSE CREEK SMITH LEASE
WELL SCHEMATIC ESTIMATION
API: 47-085-XXXXX

Ritchie County
Grant District



RECEIVED
Office of Oil and Gas
APR 21 2025
WV Department of
Environmental Protection

05/09/2025



1) Date: 02/13/2025
2) Operator's Well No. Norma Smith #1
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 Wayne Smith	Name
Address 60 Nutter Farm Rd.	Address
Cairo, WV 26337	
(b) Name Roger Smith	7) (b) Coal Owner(S) With Declaration Of Record
Address 14513 Cinnamon Field	Name
Charlotte, NC 28273	Address
(c) Name Darren Smith	Name
Address 88 Stoops Rd.	Address
Mineral Wells, WV 26150	
6) Inspector Jeremy Newlin	7) (c) Coal Lessee with Declaration Of Record
Address 8402 Staunton Turnpike	Name
Mac Farlan WV 26148	Address
Telephone	

- 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 4/1 20 25 .

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.

Well Operator Mountaineer Well Services, LLC
Address 114 Southgate Parkway
Cambridge, Ohio 43725
By: Eric Males
Signature

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APR 21 2025
WV Department of Environmental Protection
Office of Oil and Gas

05/09/2025

SURFACE OWNER WAIVER

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

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) 526-0450

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

FOR EXECUTION BY A CORPORATION, ETC.

x Wayne Smith Date x 2/20/25
Signature

Company
Name
By
Its

x AWAYNE SMITH
Print Name

RECEIVED
Office of Oil and Gas
APR 21 2025 Date
WV Department of
Environmental Protection
Signature Date

05/09/2025

WW-2A / 3A Surface Waiver

SURFACE OWNER WAIVER

County Ritchie

Operator

Mountaineer Well Services LLC

Operator well number

Norma Smith #1**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A / 3A**

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Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
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FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

X Roger A. Smith
Signature

Date X 3/21/25

Company
Name
By
Its

X Roger A. Smith

Print Name

RECEIVED
Office of Oil and Gas

Date

APR 21 2025

Signature

WV Department of
Environmental Protection

Date

05/09/2025

SURFACE OWNER WAIVER

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

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601 57th St. SE
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FOR EXECUTION BY A NATURAL PERSON

Darren T. Smith
Signature
DARREN T. SMITH
Print Name

Date 2/20/2025 Company
Name
By
Its

FOR EXECUTION BY A CORPORATION, ETC.

RECEIVED
Office of Oil and Gas
APR 21 2025
Date
WV Department of
Environmental Protection
Signature
Date

05/09/2025

MEMORANDUM OF ASSIGNMENT


This Memorandum of Assignment is made and entered into this 3rd 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]

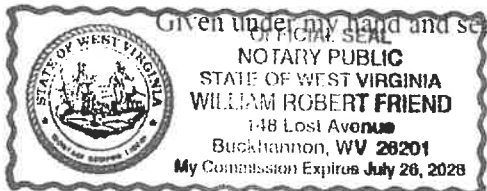
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Environmental Protection

05/09/2025

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.



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

William R. Friend
Notary Public

My commission expires: July 26, 2028.

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Office of Oil and Gas
APR 21 2025
WV Department of
Environmental Protection

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.

Alexis Sidwell
Notary Public

My commission expires: 12/16/2025



ALEXIS AKIA SIDWELL
Notary Public, State of Ohio
My Comm. Expires 12/16/2025.

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

County Ritchie

Operator's Well Number Norma Smith #1

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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
Cheetah Exploration & Production LLC	Mountaineer Well Services LLC	Assignment Attached	

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

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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.

Well Operator: Mountaineer Well Services, LLC
By: Its: [Signature]

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. 4708510560
Norma Smith #1

West 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	<u>Sturm Environmental</u>
Sampling Contractor	<u>GCS Consulting, LLC</u>
Well Operator	<u>Mountaineer Well Services, LLC</u>
Address	<u>13016 Southgate Parkway</u> <u>Cambridge, Ohio 43725</u>
Telephone	<u>740-680-1730</u>

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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 underling 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.

- * Wayne & Elaine Smith
① 96 Nutter Farm Rd
Cairo, WV 26337
- * Kelly Haga
② 67 Nutter Farm Rd
Cairo, WV 26337
- * Shannon Stanley
③ 22 Nutter Farm Rd
Cairo, WV 26337
- * Bill Pinehart
④ 461 Goose Creek Rd
Petroleum, WV 26161

05/09/2025

STURM ENVIRONMENTAL SERVICES

STURM ENVIRONMENTAL SERVICES
P.O. BOX 850
BRUSHY FORK ROAD
BRIDGEPORT, WV 26330
PHONE: 304-623-6549
FAX: 304-623-6552

STURM ENVIRONMENTAL SERVICES
P.O. BOX 8337
610 D STREET
SO. CHARLESTON, WV 25303
PHONE: 304-744-9864
FAX: 304-744-7866

REPORT TO: Client Name: Maintainer Well Services LLC
Address: 114 Southgate Parkway
City/State/Zip: Cambridge, Ohio 43725
Contact Person: Terry Townsend
Telephone Number: 740-255-6085 740-680-1730
Email Address: terry.townsend@gmail.com
Sampler Name: (Print) Craig Smith
Sampler Signature: [Signature]
Project Name: Moana SM, TH #1 Point

BILL TO: Client Name: Same but please also email results to gene@sturmenv.com

Address: 114 Southgate Parkway
City/State/Zip: Cambridge, Ohio 43725
Contact Person: Terry Townsend
Telephone Number: 740-255-6085
Email Address: terry.townsend@gmail.com
Purchase Order #: 740-255-6085

TURN AROUND TIME: X Standard 1 DAY 2 DAY 3

RUSH (pre-scheduled; surcharges may apply): Please Check One

Sample ID / Description	START DATE	START TIME	END DATE	END TIME	DATE	TIME	GRAB SAMPLE	PRESERVATIVE	MATRIX	ANALYZE FOR:				Field pH	Flow (gpm, cfm, mgd) etc.	Field Conductivity	Field DO	Field Chloride (mg/L, as mg/L)
										None	H ₂ SO ₄ Glass	H ₂ SO ₄ Plastic	Other (specify)					
③ Wayne Smith	135 25				3/4/25	8:45												
③ Shannon Stanley	131 25				"	12:45												
③ Kelly Hays	114 25				"	12:05												
③ Bill Rinehart	143 25				"	12:50												

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Comments	START DATE	START TIME	END DATE	END TIME	DATE	TIME	GRAB SAMPLE	PRESERVATIVE	MATRIX	ANALYZE FOR:	Field pH	Flow (gpm, cfm, mgd) etc.	Field Conductivity	Field DO	Field Chloride (mg/L, as mg/L)
Relinquished by: <u>Craig Smith</u>	3/4/25	3:02p			3/5/25	10:35									
Relinquished by: <u>Joshua Br...</u>	3/5/25	13:00			3/5/25	1300									

Laboratory Comments:
Temperature upon Receipt:
Bottles Preserved?
Temp. upon Receipt

Analysis for all sets in Sample ID's
Chloride: Manganese Sulfate
Bromide: Aluminum MBAS
Strontium Arsenic
Barium Sodium
Iron Calcium
pH

4708510560



4708510560

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 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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Approved Douglas H. Bando

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CHARLESTON FIELD OFFICE—POST OFFICE BOX 8337 • SOUTH CHARLESTON, WEST VIRGINIA 25303-0337 • (304) 744-9864

05/09/2025



VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES
SAMPLE ID: SHANNON STANLEY
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH
LOG NO: T017-25

DATE/TIME SAMPLED: * 03-04-25 1225
DATE/TIME RECEIVED: 03-05-25 1300
LABORATORY ID: LIMS 038

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
Total Coliform	PRESENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH
E Coli	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH

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

Approved Douglas H. Banta



4708510560

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

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

SAMPLE ID: WAYNE SMITH
NORMA SMITH #1 PERMIT

DATE/TIME RECEIVED: 03-05-25 1300

SAMPLED BY: G. SMITH

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 1-1750-85	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

**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 may be 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:

Approved

Douglas H. Banta

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05/09/2025



4708510560

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

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
Total Coliform	PRESENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH
E Coli	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH

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

Approved Douglas H. Banta

05/09/2025



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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.
C Does not meet 47 CSR 32 compliance.

Narrative:

Approved

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[Signature]

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05/09/2025



4708510560

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES
SAMPLE ID: BILL RINEHART
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH
LOG NO: T018-25

DATE/TIME SAMPLED: * 03-04-25 1250
DATE/TIME RECEIVED: 03-05-25 1300
LABORATORY ID: LIMS 038

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
Total Coliform	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH
E Coli	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH

*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
Method of Analysis from "Standard Methods for the Examination of Water and Wastewater."
Data Qualifiers
B Analyte found in reagent blank. Indicates possible reagent or background contamination.
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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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WV Department of
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Approved Douglas H. Banta

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05/09/2025



VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES

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

SAMPLE ID: KELLY HAGA
NORMA SMITH #1 PERMIT

DATE/TIME RECEIVED: 03-05-25 1300

SAMPLED BY: G. SMITH

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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APR 21 2025
WV Department of
Environmental Protection

Approved 



4708510560

VICTORIA L. HOOPS, PRESIDENT

COMPANY: MOUNTAINEER WELL SERVICES
SAMPLE ID: KELLY HAGA
NORMA SMITH #1 PERMIT
SAMPLED BY: G. SMITH
LOG NO: T016-25

DATE/TIME SAMPLED: * 03-04-25 1205
DATE/TIME RECEIVED: 03-05-25 1300
LABORATORY ID: LIMS 038

PARAMETER	TEST RESULTS	UNITS	METHOD	METHOD DETECTION LIMIT	DATE/TIME ANALYZED	ANALYST
Total Coliform	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH
E Coli	ABSENT	P/A (Cfu)	9223 Colilert	1	03-05-25 1437	JH

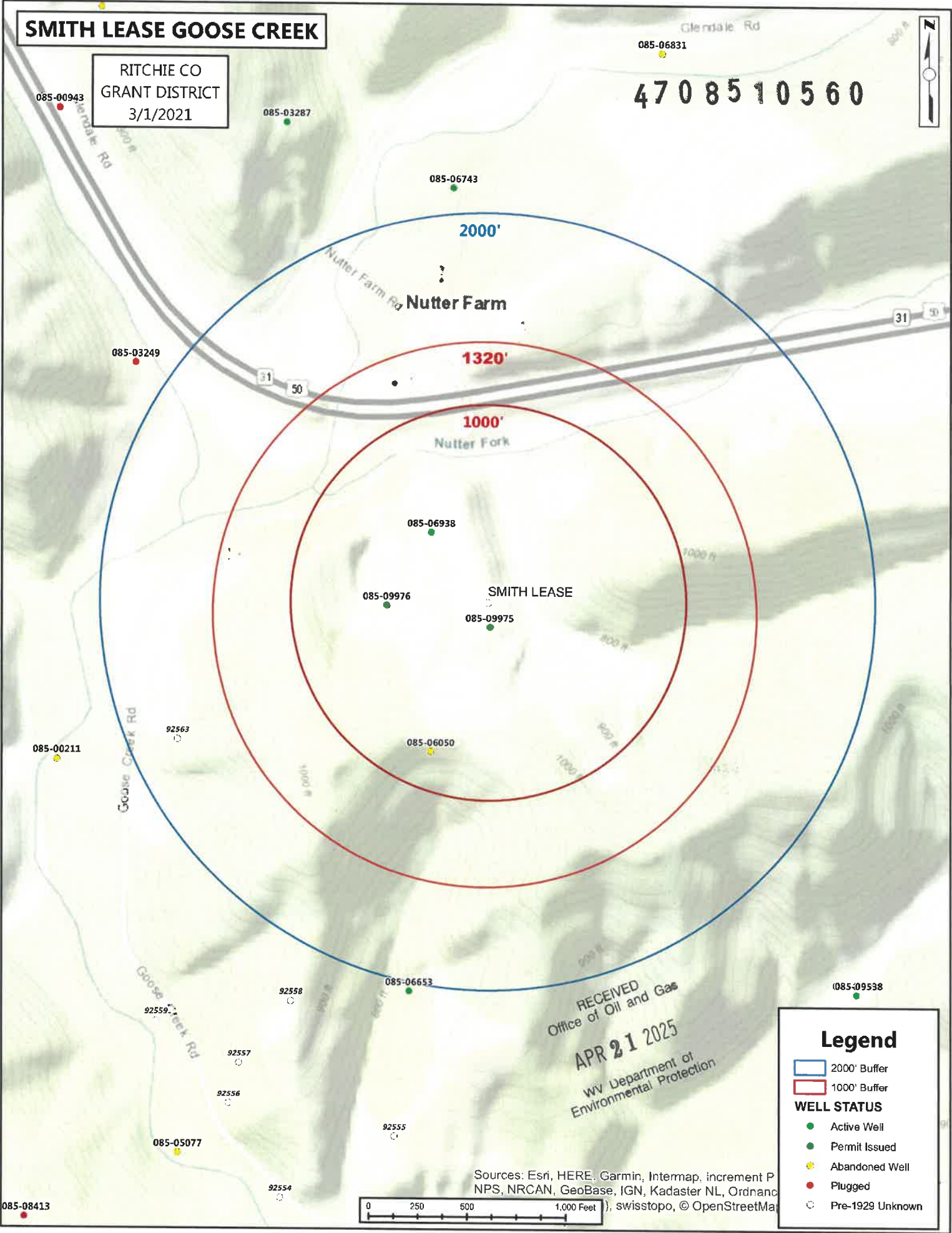
*Client Provided
**See Attached. The following results meet or exceed requirements and standards set forth by the certifying authority except where noted.
Microbiological analysis results will be discarded after 5 years
Method of Analysis from "Standard Methods for the Examination of Water and Wastewater,"
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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APR 21 2025
WV Department of
Environmental Protection
Approved *[Signature]*

MAIN 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

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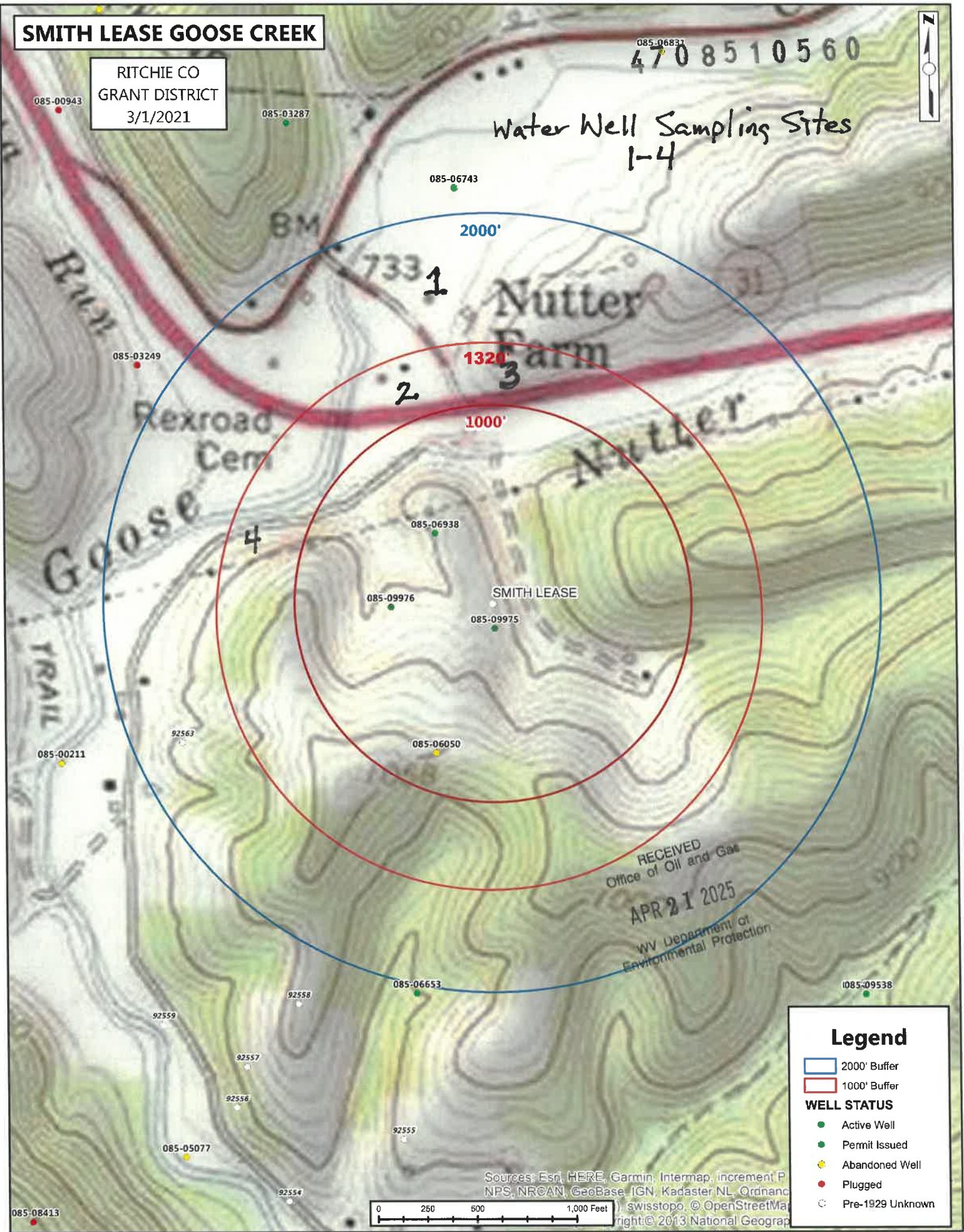


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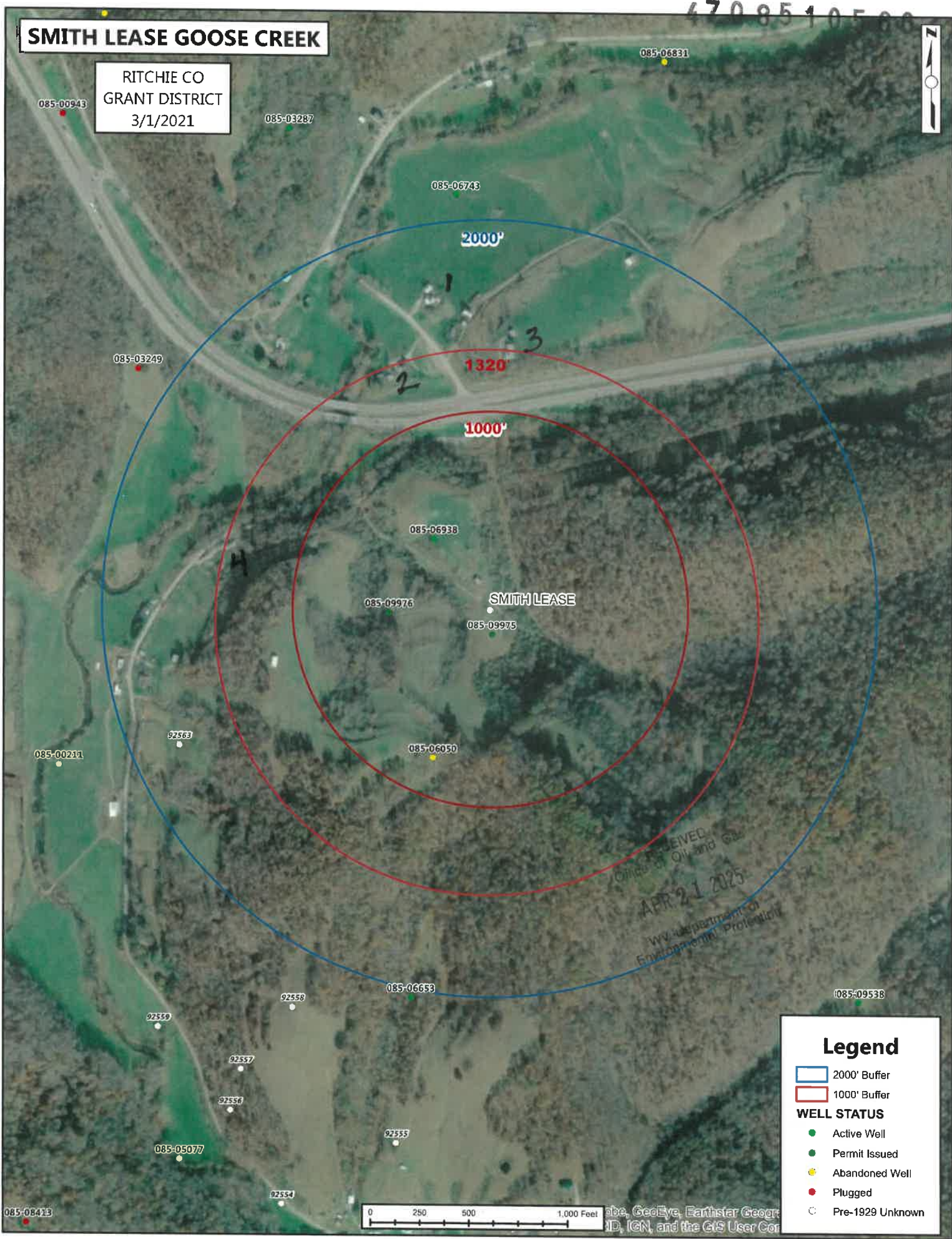
SMITH LEASE GOOSE CREEK

RITCHIE CO
GRANT DISTRICT
3/1/2021

Water Well Sampling Sites
1-4



05/09/2025



05/09/2025

API Number 47 - 085 -
Operator's Well No. Norma Smith #1

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Mountaineer Well Services, LLC OP Code 494526888

Watershed (HUC 10) Nutter Fork Goose Creek Quadrangle Cairo

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: Drilling fluids

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
☒ Underground Injection (UIC Permit Number 10142)
☐ 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: No

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

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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 August 1, 2005, 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 _____

Company Official (Typed Name) Ernie Morales

Company Official Title MANAGING MEMBER

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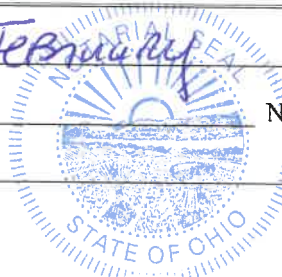
APR 21 2025

WV Department of
Environmental Protection

Subscribed and sworn before me this 20 day of February, 2025

[Signature]

My commission expires 3-11-2025



MICHELLE L. BENNETT
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
03-11-2025

05/09/2025

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
-----------	----------

Contractors Mix	100
-----------------	-----

Seed Type	lbs/acre
-----------	----------

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:

Jenney Rose

Comments:

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Title: Oil & Gas Inspector

Date: 3-4-25

Field Reviewed? ☒ Yes ☐ No

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4708510560

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Norma Smith #1 Access/Site Construction

- Remove Gate/Posts
- May need to cut Sycamore tree
- Per entrance details widen access to 28-30 feet (place soil widening material on left side of current access going to facility).
- Per details remove access culvert and add 15" slotted drain
- Per details on temporary basis stone 200' of entrance access/ larger stone and smaller on top
- Per details on permanent basis asphalt apron, lay filter cloth and 200' course aggregate stone (DOH will determine what can be done)
- Widen access per Reclamation Plan or widen where needed to get drilling rig to well site
- Build well site location 250' x 200' (what size is needed????)
- Dig pit per Reclamation Plan 150'X8'X12'
- Level a place for tanks
- Reclaim, seed and mulch all disturbed areas from access entrance to well site
- Replace Gate for now with what was taken down

Shed needs torn down

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Line of Sight Looking North East



Driveway at Entrance



Line of Sight Looking South West

The speed limit of the road is not posted. 35 MPH is a reasonable limit to assume.

The line of sight is 355' toward the northeast. The slope is less than 3% upgrade. The required distance is 237'.

The line of sight is 390' toward the South West. The slope is less than 6% downgrade. The required distance is 271'.

Based on this, the location gives sufficient line of sight given the speed (35MPH) and slope.

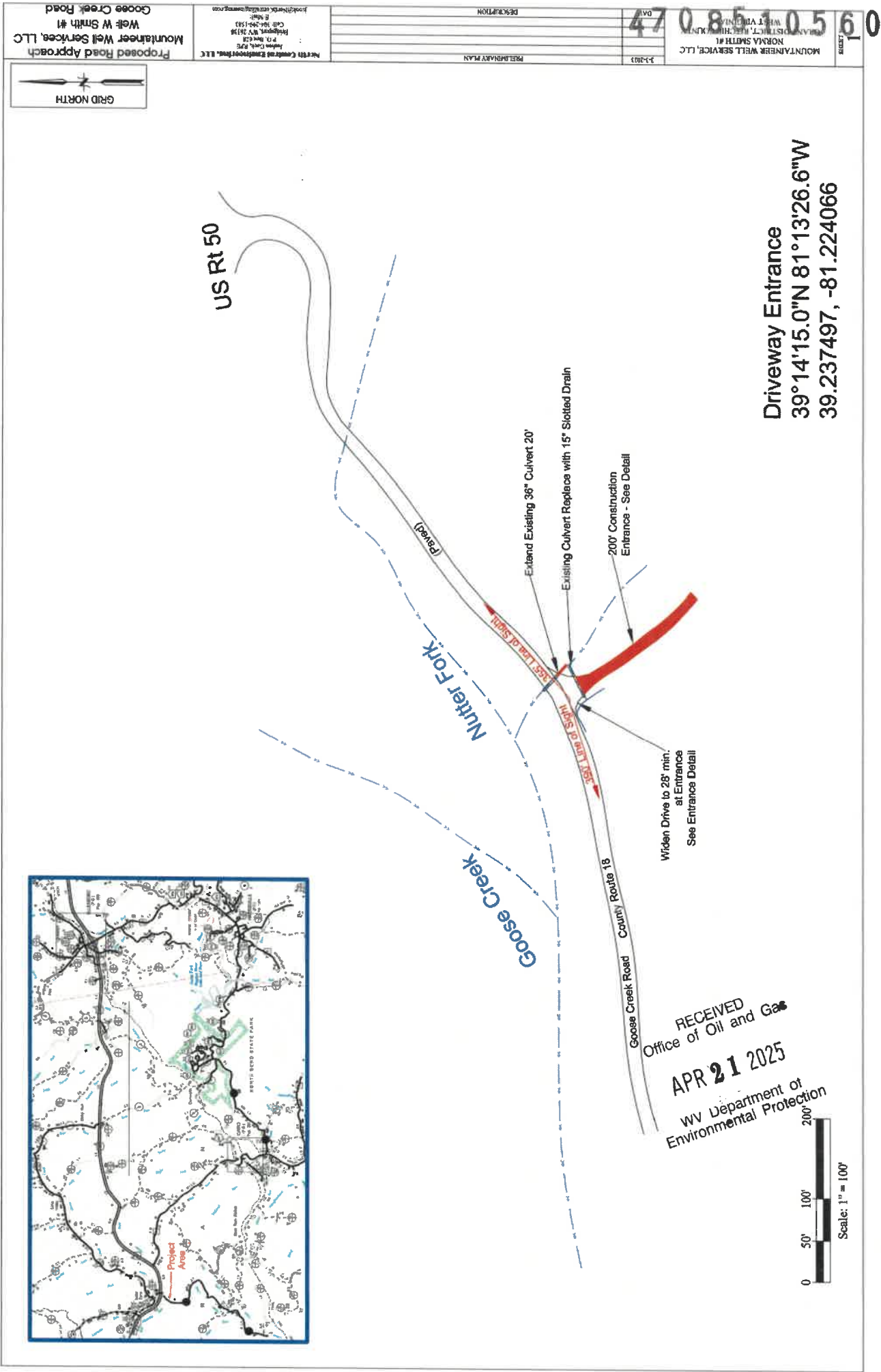
The line of sight is to be measured at the truck drivers perspective with front of the truck not protruding onto the pavement.

Remove any obstructions/grade bank to accomplish the minimum required plus 10%.

Install a stop sign at the exit to the County Road.

APR 21 2025

WV Department of
Environmental Protection



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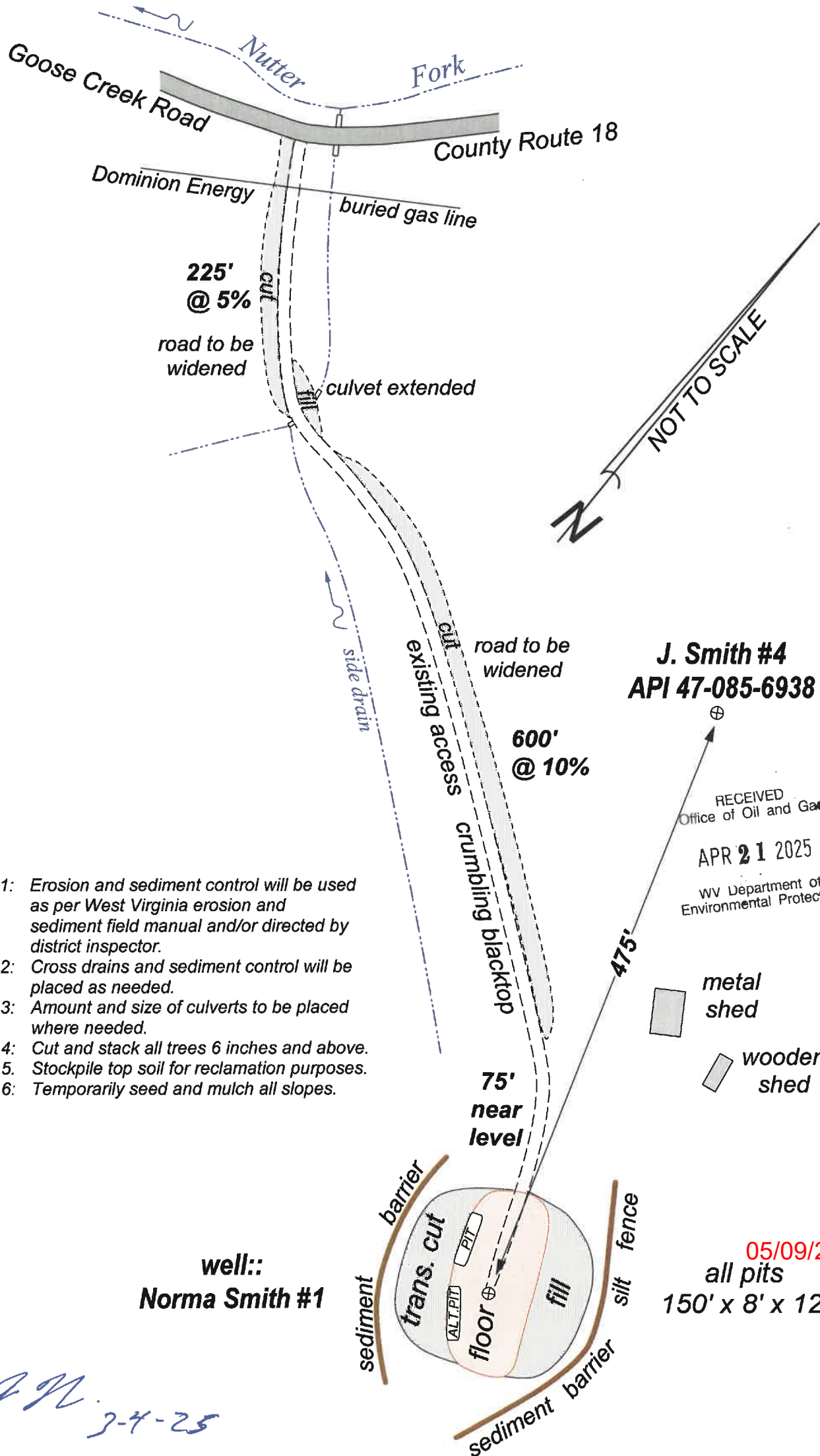
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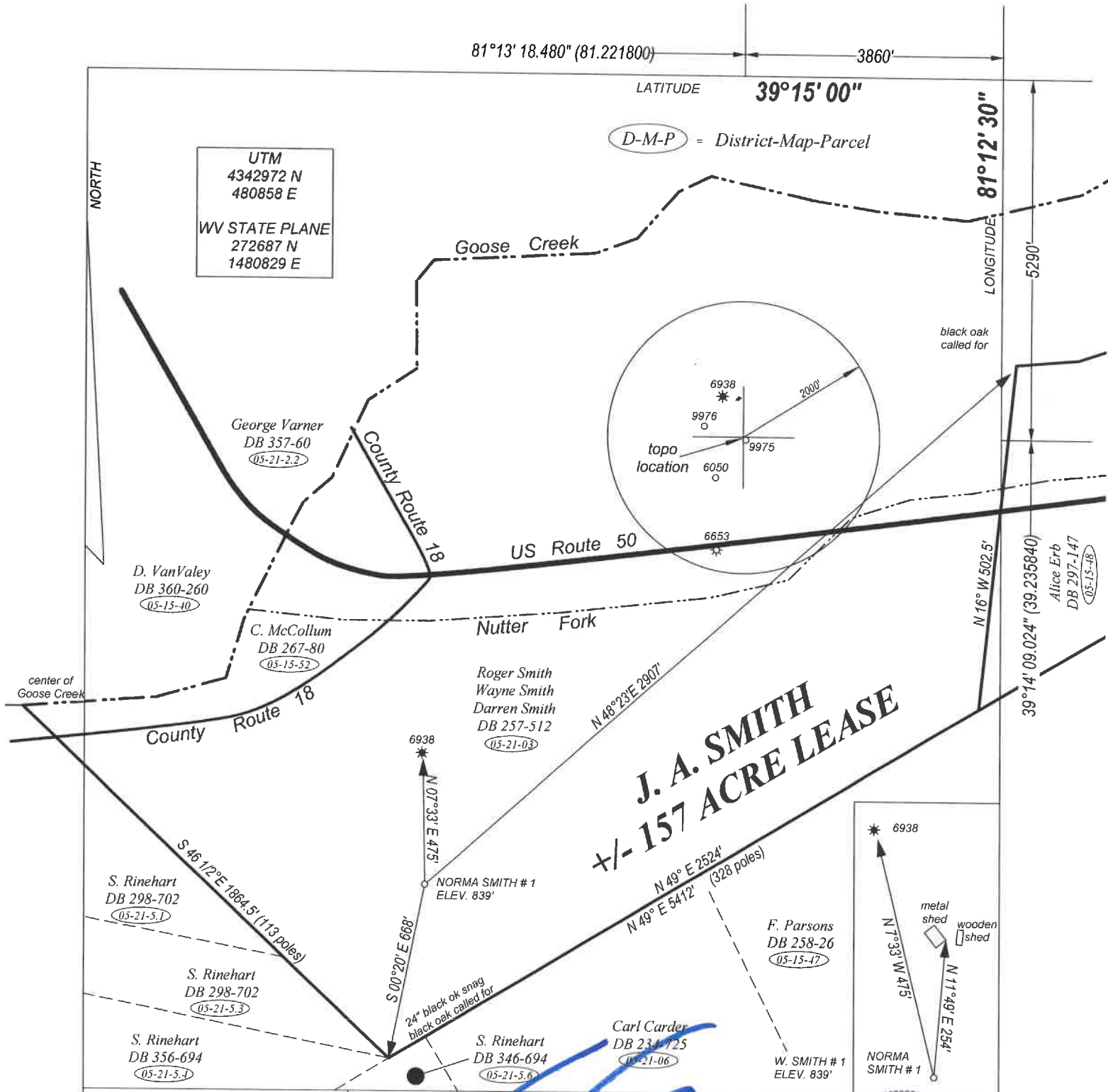
MOUNTAINEER WELL SERVICES, LLC

Well: Norma Smith # 1

Norma Smith, et al +/- 157 Acre Lease

Grant District Ritchie County West Virginia

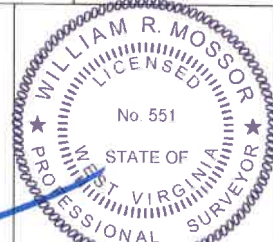




FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE
OF ACCURACY 1 : 200
PROVEN SOURCE
OF ELEVATION GPS
OBSERVATION

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) _____
PROFESSIONAL SURVEYOR, 551



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

DATE FEBRUARY 12TH, 2025
OPERATORS WELL NO. NORMA SMITH #1

API 47 - 085 - 10560
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL ☒
(IF GAS) PRODUCTION ☐ STORAGE ☐ DEEP ☒ SHALLOW ☐

LOATION: ELEVATION 839' WATER SHED NUTTER FORK OF GOOSE CREEK
DISTRICT GRANT COUNTY MITCHELL QUADRANGLE CAIRO

SURFACE 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. +/- 157

PROPOSED 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
ADDRESS 114 SOUTHGATE PARKWAY
CAMBRIDGE, OH 43725

DESIGNATED AGENT PAT BRAKE
ADDRESS P. O. BOX 2722
BUCKHANNON, WV 26201

05/09/2025