

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-085 - 10580-00-001 County Ritchie District Grant  
Quad Cairo Pad Name NA Field/Pool Name NA  
Farm name Norma Smith Well Number #1R  
Operator (as registered with the OOG) Mountaineer Well Services, LLC  
Address 579 Campus Drive, Suite 220 City Westerville State Ohio Zip 43082

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4342958 Easting 480870  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing 434958 Easting 480870

Elevation (ft) 839 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
3% Calcium Chloride

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**MAR 15 2026**  
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Date permit issued 01/09/2026 Date drilling commenced January 10, 2026 Date drilling ceased March 7, 2026  
Date completion activities began March 7, 2026 Date completion activities ceased March 8, 2026  
Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 250 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1,030 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft NA Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by:  
*Jerry [Signature]* 3-22-26

**03/27/2026**

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Farm name Norma Smith

Well number #1R

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	28"	24"	40 feet	New		NA	Y
Surface	22"	18-5/8"	416 feet	New	87.5#	NA	Y
Coal							
Intermediate 1	17-1/2"	13-3/8"	1,232 feet	New	48#	NA	Y
Intermediate 2	12-1/4"	9-5/8"	2,300 feet	New	36#	NA	
Intermediate 3							
Production	8-3/4"	7"	6,328 feet	New	23#	NA	Y
Tubing		4-1/2"	5,790 feet	New	11.6#	NA	Not cemented
Packer type and depth set		Proposed Baker Hughes Hornet Packer to be set at 5,790 feet					

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	A	Redi-mix	9.0	4 cubic yards		Surface	8
Surface	A	537	15.6	1.20		Surface	8
Coal							
Intermediate 1	A	1,042	15.6	1.2		Surface	8
Intermediate 2	A	751	15.6	1.19		Surface	8
Intermediate 3							
Production	A	632	15.7	1.18		Will be Determined by CBL should be up in 9-5/8"	8
Tubing	NA						

Drillers TD (ft) 6,368

Loggers TD (ft) 6,349

Deepest formation penetrated Salina Group

Plug back to (ft) NA

Plug back procedure NA

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Kick off depth (ft) \_\_\_\_\_

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Check all wireline logs run

- caliper     density     deviated/directional     induction  
 neutron     resistivity     gamma ray     temperature     sonic

Well cored  Yes  No

Conventional     Sidewall

Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

Centralizers were placed on first joint with the cement

shoe, on the second joint with the float collar, and then every third joint until centralizers were all used.

WAS WELL COMPLETED AS SHOT HOLE  Yes  No

DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No

DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No

TYPE OF TRACER(S) USED \_\_\_\_\_

03/27/2026



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PRODUCING FORMATION(S) DEPTHS

Injection Well Formations	TVD	MD
Oriskany Sandstone	5,818 feet	
Bass Islands Dolomite	6,204 feet	

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface \_\_\_\_\_ psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	0		0		
Berea	2,234'	2,310'	2,234'	2,310'	Sandstone
Marcellus	5,564'	5,618'	5,564'	5,618	Shale
Oriskany	5,818'	5,894'	5,818'	5,894'	Sandstone
Bass Islands	5,894'	6,262'	5,894'	6,262'	Dolomite

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Please insert additional pages as applicable.

Drilling Contractor Highlands Drilling  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company Baker Hughes  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company Schlumberger  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

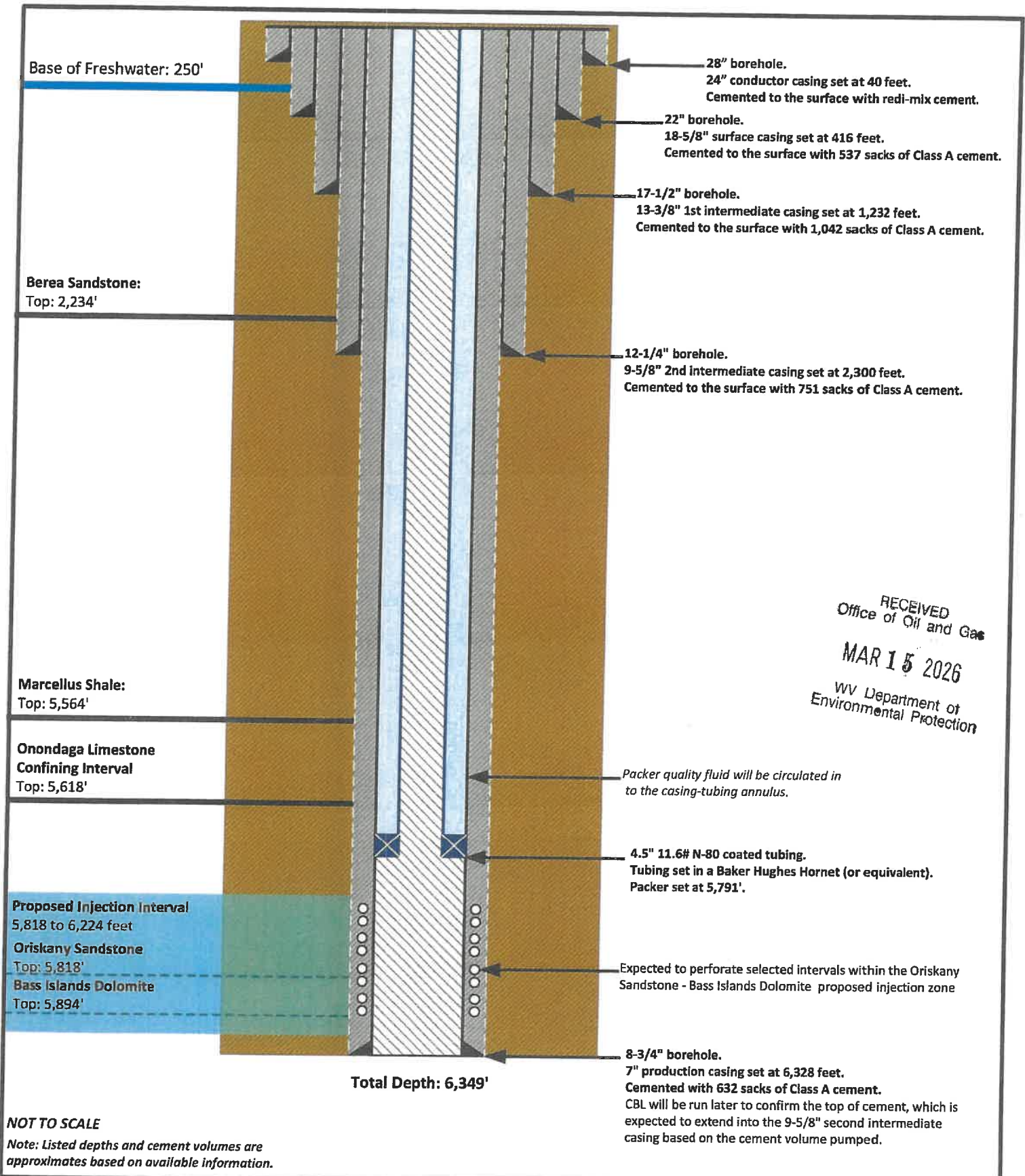
Stimulating Company NA  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by Tom Tomastik Telephone (614) 940-3521  
Signature Tom Tomastik Title Consultant Date 03/13/2026


Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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**NOT TO SCALE**  
Note: Listed depths and cement volumes are approximates based on available information.

Prepared by:  Prepared for: Mountaineer Well Services, LLC	Drawn by: Joshua Ticknor	<b>Norma Smith #1R</b> <b>Mountaineer Well Service, LLC</b> <b>As-built Wellbore Diagram</b> <b>API: 47-085-10580-00-001</b> <b>Ritchie County, West Virginia</b>
	Project Manager: Tom Tomastik	
	Date: 3/15/2026	

03/27/2026