

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

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

Reviewed by:

~~07/31/2026~~

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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 ³ /sks)	Volume (ft ³)	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

Kick off depth (ft) _____

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 _____

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	04/04/2026	5,834'	5,854'	80	Oriskany Sandstone
	04/04/2026	5,856'	5,876'	80	Oriskany Sandstone
	04/04/2026	5,908'	5,928'	80	Bass Islands Dolomite
	04/04/2026	6,230'	6,250'	80	Bass Islands Dolomite

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

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Rev. 8/23/13API 47- 085 - 10580-00-001Farm name Norma SmithWell number #1RPRODUCING FORMATION(S) DEPTHS

Injection Well Formations _____ TVD _____ MD

Oriskany Sandstone 5,818 feetBass Islands Dolomite 5,894 feet

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☐ Open FlowOIL 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 ₂ 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'	6,276'	5,894'	6,276'	Dolomite
Onondaga LS	5,603'				Limestone
Salina G Unit	6,276'				Anhydrite

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 Thomas TomastikTelephone (614) 940-3521Signature Thomas Tomastik Title ConsultantDate 07/23/2026

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

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