

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

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Office Of Oil and Gas

MAR 19 2024

WV Department of  
Environmental Protection

API 47 - 033 - 05900 County Harrison District Simpson  
Quad Brownston Pad Name Pritt South Field/Pool Name \_\_\_\_\_  
Farm name Ira and Laura Pritt Well Number 201  
Operator (as registered with the OOG) Arsenal Resources  
Address 6031 Wallace Rd Ext, Ste 3000 City Wexford State PA Zip 15090

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4344358.4 Easting 570152.6  
Landing Point of Curve Northing 4344036.7 Easting 569887.8  
Bottom Hole Northing 4340879.0 Easting 571039.8

Elevation (ft) 1345.90 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)  
Synthetic Oil Based

Date permit issued 11/15/2017 Date drilling commenced 1/16/2019 Date drilling ceased 4/22/2019  
Date completion activities began NA Date completion activities ceased NA  
Verbal plugging (Y/N) N Date permission granted NA Granted by NA

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

Freshwater depth(s) ft 167, 216', 231', 301', 371' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1391' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 474', 581', 642', 701', 766', 833', 852' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: Ky Willott  
**APPROVED** 04/19/2024

WR-35  
Rev. 8/23/13

API 47-033 - 05900 Farm name Ira and Laura Pritt Well number 201

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"	80'	New	41.0	NA	Y
Surface	17 1/2"	13 3/8"	452' GL	New	54.5	140'	Y
Coal	NA	NA	NA	NA	NA	NA	N
Intermediate 1	12 1/4"	9 5/8"	1,497' GL	New	40.0	NA	Y
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	8 1/2"	5 1/2"	19,317' GL	New	20.0	NA	Y
Tubing	NA	NA	NA	NA	NA	NA	NA
Packer type and depth set		NA					

Comment Details Cement to surface on Conductor, Surface, and Intermediate. Top of production cement at 1,000'(GL)ft.

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	450	15.60	1.20	540	Surface	8+
Surface	A	455	15.60	1.20	546	Surface	8+
Coal	NA	NA	NA	NA	NA	NA	NA
Intermediate 1	A	505	15.60	1.31	661.55	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	797/2463	13.80/15.00	1.57/1.30	1,251.29/3,201.9	1,000' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 19,333'(GL) Loggers TD (ft) NA  
 Deepest formation penetrated Marcellus Plug back to (ft) NA  
 Plug back procedure NA

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Kick off depth (ft) 7,221'(GL)

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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 24"- No centralizers, 13 3/8"- one bow spring centralizer on every other joint, 9 5/8"- one semi rigid centralizer on every joint from TD of casing to end of curve. Then every other joint to KOP. Every third joint from KOP to 1,400'; there will be no centralizers from 1,400' to surface

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS Stages and perforations

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS NA

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED NA

04/19/2024



API 47-033-05900 Farm name Ira and Laura Pritt Well number 201

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

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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	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
Sand/Silt	0	474	0	474	Freshwater @ 167', 216', 231', 301', 371'
Sand/Silt/Coal	474	642	474	642	Bakerstown Coal @ 474' TVD, Brush Creek Coal @ 581'TVD
Sand/Silt/Coal	642	766	642	766	Upper Freeport @ 642' TVD, Lower Freeport @ 701' TVD
Sand/Silt/Coal	766	1533	766	1533	Upper Kittanning @ 766' TVD, Middle Kittanning @ 833' TVD, Lower Kittanning @ 852' TVD, Saltwater @ 1,391'
Big Lime	1533	1703	1533	1703	Limestone
Balltown	3127	3173	3144	3191	Sandstone
Elk Siltstone	4876	4924	4929	4978	Siltstone
Burkett	7425	7448	7553	7580	Shale
Tully	7448	7493	7580	7638	Limestone
Mahantango	7493	7653	7638	7890	Shale
Marcellus	7653	7718	7890	8075	Shale
Purcell	7718	7722	8075	8094	Limestone
Lower Marcellus	7722	7744	8094	19360	Shale - Gas shows through lateral
Onondaga	7744*				*Onondaga not penetrated - top estimated based on 4700103013 thickness

Please insert additional pages as applicable.

Drilling Contractor Helmerich & Payne  
Address 1437 South Boulder Ave. City Tulsa State OK Zip 74119

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

Cementing Company Schlumberger  
Address 1080 Us Highway City Weston State WV Zip 26452

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

Please insert additional pages as applicable.

Completed by Arsenal Resources Telephone 724-940-1100  
Signature \_\_\_\_\_ Title Director of Geology & Dev Planning Date \_\_\_\_\_

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

04/19/2024