

MAY 23 2017

WR-35
Rev. 8/23/13

WV Department of
Environmental Protection
State of West Virginia

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

API 47-085-09955 County 085-Ritchie District 02-Grant
Quad 544-Petroleum Pad Name _____ Field/Pool Name _____
Farm name Betty Metz Well Number Valentine #2
Operator (as registered with the OOG) ALLIED ENERGY, INC.
Address 35 Ridgewood Blvd City Belpre State OH Zip 45714

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

Elevation (ft) 679' 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 N/A

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)

Date permit issued 01/19/2012 Date drilling commenced 03/28/2012 Date drilling ceased 04/01/2012

Date completion activities began N/A Date completion activities ceased N/A

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 15' Open mine(s) (Y/N) depths N

Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N

Coal depth(s) ft 610, 990, 1030, 1300 Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N) N

Reviewed by:

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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	15	13 3/8"	36'	N	43		Sanded In
Surface	12 1/4	9 5/8"	326'	N	26		C.T.S.
Coal							
Intermediate 1	8 7/8	7"	1350'	N	17		C.T.S. 6bbl circulate to pit
Intermediate 2							
Intermediate 3							
Production	6 3/8	4 1/2"	3000'	N	9.5		
Tubing							
Packer type and depth set							

Comment Details Gas and oil smell at 1330', 1730', 2900'

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							
Surface	A	160	15.6#	1.18		Surface	
Coal							
Intermediate 1	A	100 1% gel / 2% gel	15.2/14.7	1.26/1.36		Surface	
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) ^{3200'} _____ Loggers TD (ft) _____

Deepest formation penetrated _____ Plug back to (ft) _____

Plug back procedure _____

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 _____

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

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 ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
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Please insert additional pages as applicable.

Drilling Contractor Top Drilling Corporation
Address HC 68 Box 14 City Smithville State WV Zip 26178

Logging Company Nabors
Address 82 Elkins Road City Buckhannon State WV Zip 26201

Cementing Company Formation Cementing Inc.
Address P. O. Box 2667 City Zanesville State OH Zip 43702-2667

Stimulating Company Producers Service Corporation
Address 109 South Graham Street City Zanesville State OH Zip 43701

Please insert additional pages as applicable.

Completed by Terry Miller Telephone 740-538-2221
Signature *Terry Miller* Title Bookkeeper Date 21 May 2017

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