

JK

WR-35
Rev. 8/23/13

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

API 47 - 085 - 10125 County Ritchie District Murphy
Quad Smithville 7.5' Pad Name none Field/Pool Name Eva Field
Farm name Yoder, Noah L. & Emma Well Number J. E. Gum #6
Operator (as registered with the OOG) Murvin & Meier Oil Co.
Address P. O. Box 396 City Olney State IL Zip 62450

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,319,222 Easting 498,128
Landing Point of Curve Northing n/a Easting n/a
Bottom Hole Northing 4,319,222 Easting 498,128

Elevation (ft) 1072 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)
soap

Date permit issued June 2, 2014 Date drilling commenced October 20, 2014 Date drilling ceased October 25, 2014
Date completion activities began November 12, 2014 Date completion activities ceased November 14, 2014
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 50' (damp) 878' (1/4" stream) Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Void(s) encountered (Y/N) depths N
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:

02/06/2015

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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	17 1/2"	16"	20'	new	52#		N/A
Surface	15"	11 3/4"	301'	new	AT-50 42#	42'	Y
Coal							
Intermediate 1	11"	8 5/8"	1305'	new	J-55 24#	42'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	4 1/2"	2576'	new	WT-65 10.5#	2063'	N
Tubing							
Packer type and depth set							

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							
Surface	Type 1	185	15.6	1.18	218	CTS	8
Coal							
Intermediate 1	Type 1	300	14.8	1.38	414	CTS	8
Intermediate 2							
Intermediate 3							
Production	CBL Poz	200	13.6	1.56	312	1350'	
Tubing							

Drillers TD (ft) 2600' Loggers TD (ft) 2645'
 Deepest formation penetrated Berea Plug back to (ft) n/a
 Plug back procedure n/a

Kick off depth (ft) n/a

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 4 1/2" x 7 7/8": 2566' 2482' 2398' 2273' 2147' 2021' 1937'

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
same as perforation record _____ TVD _____ MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 500 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
50 mcfpd show bpd - bpd - bpd 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	8	0	8	
Fill	8	10	8	10	
Sd, Sh	10	15	10	15	
Sand	15	20	15	20	
Sd, Sh, RR	20	676	20	676	
Sand	676	718	676	718	
RR, Sh	718	776	718	776	
Sd, Sh	776	820	776	820	
Sand	820	851	820	851	
Sd, Sh	851	873	851	873	
Sand	873	890	873	890	
Sd, Sh	890	912	890	912	
Sand	912	945	912	945	
RR, Sh	945	960	945	960	

Please insert additional pages as applicable.

Drilling Contractor Nexus Drilling Corporation
 Address P. O. Box 903 City Jane Lew State WV Zip 26378

Logging Company Nabors Completion & Production Services Co.
 Address P. O. Box 975682 City Dallas State TX Zip 75397-5682

Cementing Company Universal Well Services, Inc.
 Address P. O. Box 200969 City Dallas State TX Zip 75320

Stimulating Company Universal Well Services, Inc.
 Address P. O. Box 200969 City Dallas State TX Zip 75320

Please insert additional pages as applicable.

Completed by Kate M. Blackford Telephone 618-395-4405
 Signature Kate M. Blackford Title Executive Vice-President Date 1/19/2015

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

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Lithology / Formation	Top Depth in FT Name TVD	Bottom Depth in FT TVD	Top Depth in FT MD	Bottom Depth in FT MD	Described Rock Type and Record Quantity and Type of Fluid (Freshwater, Brine, Oil, Gas, H2S, etc.)
Red Rock	960	1202	960	1202	
Salt Sand	1202	1302	1202	1302	
Sd, Sh	1302	1562	1302	1562	
3rd Salt Sand	1562	1670	1562	1670	
Sd, Sh	1670	1950	1670	1950	
Big Lime	1950	2050	1950	2050	
Keener	2050	2082	2050	2082	
Big Injun	2082	2148	2082	2148	
Sd, Sh	2148	2487	2148	2487	
Berea	2487	2496	2487	2496	
Shale	2496	2645	2496	2645	
Total Depth	2645		2645		

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