

JA

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 47-085-10054 County Ritchie District Murphy
Quad Smithville 7.5' Pad Name none Field/Pool Name Eva Field
Farm name Yoder, Noah L. & Emma Well Number Sherwood #3
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 192,404 Easting 1,567,409
Landing Point of Curve Northing n/a Easting n/a
Bottom Hole Northing 192,404 Easting 1,567,409

Elevation (ft) 1156 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)
none

Date permit issued August 9, 2013 Date drilling commenced October 9, 2013 Date drilling ceased October 18, 2013
Date completion activities began October 31, 2013 Date completion activities ceased November 2, 2013
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 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

Reviewed by:

04/04/2014

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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		16"	25'	new	A500 42#		
Surface	15"	11 3/4"	294'	new	A500 32#	42'	Y
Coal							
Intermediate 1	11"	8 5/8"	2010'	new	J-55 24#	42	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	4 1/2"	6270'	new	WT65 10.5#	5011' 4498'	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	164	15.6	1.18	194	surface	8
Coal							
Intermediate 1	Type 1	456	14.8	1.40	638	surface	8
Intermediate 2							
Intermediate 3							
Production	CBL Poz	530	13.5	1.54	816	3000'	
Tubing							

Drillers TD (ft) 6,320' Loggers TD (ft) 6,304'
 Deepest formation penetrated Rhinestreet 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": 6219', 6185', 6008', 5839', 5671', 5417', 5249', 5080', 4657', 4485', 4270', 4055', 3928', 3759'

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 1400 psi Bottom Hole _____ psi DURATION OF TEST 72 hrs
 OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
 100 mcfpd - bpd - 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	10	0	10	
Fill	10	12	10	12	
Sd, Sh	12	15	12	15	
Red Rock	15	18	15	18	
Sand	18	30	18	30	
Sd, Sh	30	80	30	80	
Red Rock	80	90	80	90	
Sd, Sh	90	105	90	105	
Sand	105	345	105	345	
Sd, Sh RR	345	802	345	802	
Red Rock	802	833	802	833	
Sd, Sh	833	1500	833	1500	
Shale	1500	1508	1500	1508	
Sd, Sh	1508	1978	1508	1978	

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 Precision Energy Services, Inc.
 Address 500 Winscott Road City Ft Worth State TX Zip 76126

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 2-5-2014

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

04/04/2014

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.)
Big Lime	1978	2044	1978	2044	
Sd, Sh	2044	2100	2044	2100	
Big Injun	2100	2148	2100	2148	
Sd, Sh	2148	2490	2148	2490	
Berea	2490	2498	2490	2498	
Sd, Sh	2498	2708	2498	2708	
Gordon	2708	2718	2708	2718	
Sd, Sh	2718	3439	2718	3439	
Warren	3439	3497	3439	3497	
Sd, Sh	3497	3763	3497	3763	
Speechley	3763	3799	3763	3799	
Sd, Sh	3799	4416	3799	4416	
Balltown	4416	4424	4416	4424	
Sd, Sh	4424	4513	4424	4513	
Bradford	4513	4524	4513	4524	
Shale	4525	4826	4524	4826	
Benson	4826	4858	4826	4858	
Shale	4858	4984	4858	4984	
Alexander	4984	5110	4984	5110	
Shale	5110	5380	5110	5380	
First Elk	5380	5486	5380	5486	
Shale	5486	5656	5486	5656	
Second Elk	5656	5702	5656	5702	
Shale	5702	5847	5702	5847	
Rhinestreet	5847	6264	5847	6264	
Shale	6264	6320	6264	6320	
Total Depth	6320		6320		