

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

API 47-085-10266 County Ritchie District Murphy
Quad Smithville 7.5' Pad Name none Field/Pool Name Eva Field
Farm name Difilippo, Dennis and Debra Well Number Nathan Reed #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 4,319,206 Easting 496,133
Landing Point of Curve Northing n/a Easting n/a
Bottom Hole Northing 4,319,206 Easting 496,133

Elevation (ft) 1194' 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)
TD200 soap

Date permit issued November 3, 2015 Date drilling commenced December 3, 2015 Date drilling ceased December 15, 2015
Date completion activities began December 30, 2015 Date completion activities ceased February 12, 2016
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 100', 390' Open mine(s) (Y/N) depths _____
Salt water depth(s) ft None Void(s) encountered (Y/N) depths _____
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

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N

APPROVED

NAME: Michael Hoff
DATE: 3/17/16

Reviewed by:
AX WOS/25/2016
03/21/16

API 47-085 - 10266 Farm name Difilippo, Dennis and Debra Well number Nathan Reed #3

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	24"	20"	20'	new	94#		Y
Surface	17"	11.75"	301'	new	42#	40'	Y
Coal							
Intermediate 1	10.625"	8.625"	2013'	new	24#	40'	Y
Intermediate 2							
Intermediate 3							
Production	7.875"	4.5"	6281'	new	10.5#	5084' 3739'	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	Construction	10	15.6	1.18	11.8	CTS	8
Surface	Class A	270	15.6	1.18	319	CTS	8
Coal							
Intermediate 1	Class A	300	14.7	1.40	420	CTS	8
Intermediate 2							
Intermediate 3							
Production	CBL Poz	550	13.5	1.54	847	3000'	
Tubing							

Drillers TD (ft) 6300' Loggers TD (ft) 6330'
 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 Production: 8262, 6172, 5109, 5125, 5000, 4822, 4538, 4244, 3907, 3823 RECEIVED
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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS WV Department of Environmental Protection

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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.)
Shale	3923	4608	3923	4608	
Bradford	4608	4643	4608	4634	
Shale	4643	4918	4643	4918	
Benson	4918	4960	4918	4960	
Shale	4960	5065	4960	5065	
Alexander	5065	5192	5065	5192	
Shale	5192	5466	5192	5466	
First Elk	5466	5605	5466	5605	
Shale	5605	5735	5605	5735	
Second Elk	5735	5785	5735	5785	
Shale	5785	5940	5785	5940	
Upper Rhinestreet	5940	6203	5940	6203	
Lower Rhinestreet	6203	6306	6203	6306	
Shale	6306	6326	6306	6326	
Total Depth	6326		6326		

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