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

API 47 - 085 - 10145 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 #1  
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 4,318,850 Easting 496,235  
Landing Point of Curve Northing n/a Easting n/a  
Bottom Hole Northing 4,318,850 Easting 496,235

Elevation (ft) 1186' 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 August 12, 2014 Date drilling commenced October 9, 2014 Date drilling ceased October 17, 2014  
Date completion activities began October 28, 2014 Date completion activities ceased November 7, 2014  
Verbal plugging (Y/N) 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 48' (damp) 1138' (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

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	17 1/2"	16"	20'	new	52#		n/a
Surface	15"	11 3/4"	300'	new	AT 50 / 42#	42'	Y
Coal							
Intermediate 1	11"	8 5/8"	2067'	new	J-55 24#	42'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	4 1/2"	6296'	new	WT 65 10.5#	5435' 4423'	N
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

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							
Surface	Type 1	180	15.6	1.18	212	CTS	8
Coal							
Intermediate 1	Type 1	500	14.8	1.38	690	CTS	8
Intermediate 2							
Intermediate 3							
Production	CBL Poz	500	13.6	1.56	780	4135'	
Tubing							

Drillers TD (ft) 6309' Loggers TD (ft) 6326'  
 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": 6278' 6109' 5941' 5603' 5266' 5098'  
4929' 4719' 4550' 4381' 4171' 3623' 3412'

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 1550    psi    Bottom Hole \_\_\_\_\_ psi    DURATION OF TEST 48    hrs

OPEN FLOW    Gas                      Oil                      NGL                      Water                      GAS MEASURED BY  
100    mcfpd    \_\_\_\_\_ 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 <sub>2</sub> 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	12	8	12	
Sd, Sh	12	15	12	15	
Sand	15	20	15	20	
Sd, Sh	20	100	20	100	
Sand	100	150	100	150	
Sd, Sh	150	820	150	820	
Sand	820	851	820	851	
RR, Sh	851	911	851	911	
Sand	911	937	911	937	
Sd, Sh	937	968	937	968	
Red Rock	968	976	968	976	
Sd, Sh	976	1031	976	1031	
Red Rock	1031	1038	1031	1038	

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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 777 N River Avenue                      City Weston                      State WV    Zip 26452

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 1-2-2015

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

Farm name: Difilippo, Dennis Debra  
 Well number: Nathan Reed #1  
 API 47-085-10145

Lithology / Formation	Top	Bottom	Top	Bottom	Described Rock Type and Record Quantity and Type of Fluid (Freshwater, Brine, Oil, Gas, H2S, etc.)
	Depth in FT Name TVD	Depth in FT TVD	Depth in FT MD	Depth in FT MD	
RR, Sh	1038	1072	1038	1072	
Sd, Sh	1072	1076	1072	1076	
RR, Sh	1076	1103	1076	1103	
Sand	1103	1190	1103	1190	
Sd, Sh	1190	1380	1190	1380	
Salt Sand	1380	1770	1380	1770	
Shale	1770	1777	1770	1777	
Salt Sand	1777	1831	1777	1831	
Shale	1831	1890	1831	1890	
Sd, Sh	1890	2024	1890	2024	
little Lime	2024	2046	2024	2046	
Sd, Sh	2046	2062	2046	2062	
Big Lime	2062	2115	2062	2115	
Keener	2115	2138	2115	2138	
Big Injun	2138	2190	2138	2190	
Sd, Sh	2190	2552	2190	2552	
Berea	2552	2558	2552	2558	
Sd, Sh	2558	2772	2558	2772	
Gordon	2772	2782	2772	2782	
Sd, Sh	2782	3524	2782	3524	
Warren	3524	3594	3524	3594	
Shale	3594	4493	3594	4493	
Balltown	4493	4498	4493	4498	
Shale	4498	4580	4498	4580	
Bradford	4580	4592	4580	4592	
Shale	4592	4888	4592	4888	
Benson	4888	4896	4888	4896	
Shale	4896	5038	4896	5038	
Alexander	5038	5166	5038	5166	
Shale	5166	5416	5166	5416	
First Elk	5416	5576	5416	5576	
Shale	5576	5733	5576	5733	
Second Elk	5733	5772	5733	5772	
Shale	5772	5918	5772	5918	
Upper Rhinestreet	5918	5951	5918	5951	
Shale	5951	6198	5951	6198	
Lower Rhinestreet	6198	6282	6198	6282	
Shale	6282	6326	6282	6326	
Total Depth	6326		6326		

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