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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 47-085-10059 County Ritchie District Murphy  
Quad Smithville Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name Miller Well Number 30  
Operator (as registered with the OOG) Buckeye Oil Producing Co.  
Address PO Box 129 City Wooster State OH Zip 44691

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) 1125' 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) \_\_\_\_\_

RECEIVED  
Office of Oil & Gas  
JAN 13 2014

WV Department of Environmental Protection  
Date permit issued 8/27/2013 Date drilling commenced 9/23/13 Date drilling ceased 9/27/13  
Date completion activities began 10/20/13 Date completion activities ceased 11/15/13  
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 30' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1130' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft N Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: \_\_\_\_\_

03/07/2014

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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	13	9-5/8	30	N			
Surface	9	7	250	N	17#		Y
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	6-3/8	4-1/2	2230	N	J-55 10.5#		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	50	15.6	1.18	59	0	12
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	50/50 Poz	116	15.9	1.29	149.6	885'	3 weeks
Tubing							

Drillers TD (ft) 2310 Loggers TD (ft) 2308

Deepest formation penetrated Big Injun 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 \_\_\_\_\_

7" - none  
 4-1/2" - 5 total : joints 1, 3, 5, 7, & 9

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
Big Injun	2184 - 2206		

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump  
 SHUT-IN PRESSURE Surface 140 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 72 hrs  
 OPEN FLOW Gas 25 mcfpd Oil 2 bpd NGL \_\_\_\_\_ bpd Water 1 bpd GAS MEASURED BY  
 Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	0		0		
3rd Salt	1814	1834			Hard
Maxton	1920	1982			Hard
Big Injun	2128	2206			Gas & Oil
Shale	2206	2308			Soft
TD	2308				

Please insert additional pages as applicable.


Drilling Contractor G & L Drilling LLC  
 Address 19371 St. Rt. 60 City Beverly State Ohio Zip 45715

Logging Company Weatherford  
 Address 777 N. River Ave. City Weston State WV Zip 26452

Cementing Company Universal Well Services  
 Address 14 Sewer Plant Road City Buckhannon State WV Zip 26201

Stimulating Company Producers Services  
 Address 109 S. Graham St. City Zanesville State OH Zip 43702

Please insert additional pages as applicable.

Completed by Steven W. Sigler Telephone 330-264-8847  
 Signature  Title President Date 1/6/14

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