

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

API 47 - 013 - 1400 County Calhoun District Center  
Quad Grantsville Pad Name \_\_\_\_\_ Field/Pool Name Yellow Creek  
Farm name Homer Jackson Well Number 1  
Operator (as registered with the OOG) Buckeye Oil Producing Co.  
Address P.O. 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 N/A Easting N/A  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

Elevation (ft) 865 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)  
Did not use any mud.

Date permit issued 7/11/2017 Date drilling commenced 7/25/2017 Date drilling ceased 8/1/2017  
Date completion activities began 8/1/2017 Date completion activities ceased 5/1/2018  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

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Freshwater depth(s) ft 195' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 890' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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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	15"	13"	50'	Used		No	no cement
Surface	12"	10"	377'	Used			pulled
Coal							
Intermediate 1	9"	8-1/4"	916'	Used			pulled
Intermediate 2	8"	6-5/8"	1718'	Used			on packer
Intermediate 3							
Production	6-1/4"	4-1/2"	2205'	New	10.5	2100'	yes
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							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	Class A	80	15.6	1.18	94.4	1286	72 hrs.
Tubing							

Drillers TD (ft) 2210 Loggers TD (ft) 2205

Deepest formation penetrated Berea 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 \_\_\_\_\_

4-1/2" casing: one on first collar and one of every other collar

5 total slim hole centralizers total

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

API 47-013 - 1400

Farm name Homer Jackson

Well number 1

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	7-31-17	2176	2186	20	Berea

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	8-1-17	11.5	607	1331	607	20,000	536	None

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PRODUCING FORMATION(S) DEPTHS  
Berea 2176-2186 TVD \_\_\_\_\_ MD \_\_\_\_\_

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 86 psi Bottom Hole N/A psi DURATION OF TEST 72 hrs

OPEN FLOW Gas 5 mcfpd Oil 1 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		
Salt sand	1520	1570			gas
Big Injun	1739	1785			gas
Berea	2152	2180			gas & oil

Please insert additional pages as applicable.

Drilling Contractor company tools  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company Timco  
Address 57051 Marietta Rd. City Byesville State OH Zip 43723

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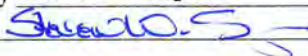
Cementing Company Petroset Cementing  
Address PO Box 1076 City Wooster State OH Zip 44691

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Stimulating Company Producers Services Corp.  
Address PO Box 2277 City Zanesville State OH Zip 43702

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Please insert additional pages as applicable.

Completed by Steven W. Sigler Telephone 330-264-8847  
Signature  Title President Date 8/28/2017