

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

API 47-⁰¹³~~130~~-4747 County Calhoun District Sheridan
Quad Grantsville 7.5 Pad Name Bennett #1HA Field/Pool Name _____
Farm name Taylor, Douglas E. & Shirley Well Number 1HA
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 724063.00 Easting 1967824.00
Landing Point of Curve Northing 724714.33 Easting 1967487.50
Bottom Hole Northing 725895.99 Easting 1966568.34

Elevation (ft) 1002 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)
3% KCL

Date permit issued 8-19-2014 Date drilling commenced 9-10-2014 Date drilling ceased 9-25-2014
Date completion activities began 9-26-2014 Date completion activities ceased 3-1-2015
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

RECEIVED
Office of Oil and Gas
MAY 04 2015
WV Department of
Environmental Protection

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 _____ No
Salt water depth(s) ft 1015' Void(s) encountered (Y/N) depths _____ No
Coal depth(s) ft n/a Cavern(s) encountered (Y/N) depths _____ No
Is coal being mined in area (Y/N) _____

Reviewed by:
A.L. 5/21/15 ✓
W.S. 6/2/15
06/05/2015

API 47- 130 - 4747 Farm name Taylor, Douglas E. & Shirley Well number 1HA

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	14"	11-3/4"	40	New			
Surface	11"	9-5/8"	336	New	26#		Y
Coal							
Intermediate 1	8-7/8"	7"	1482	New	20#		Y
Intermediate 2							
Intermediate 3							
Production	6-1/4"	4-1/2"	4286	New	11.6#		n/a
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	Neat	5				-0-	4
Surface	Type1 3% cal	135	15.6	1.2	162	-0-	12
Coal							
Intermediate 1	Unifill light	126	12.7	1.84	231	-0-	24
Intermediate 2	Class A w/3% cal	100	15.6	1.18	118	-0-	24
Intermediate 3							
Production	n/a						
Tubing							

Drillers TD (ft) 4372 Loggers TD (ft) n/a
 Deepest formation penetrated Berea Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 1510

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 _____
11-3/4 - None
9-5/8 - 5 centralizers
7" - 6 centralizers
4-1/2 - None

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____
used packer system, copy attached

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

RECEIVED
Office of Oil and Gas
 MAY 04 2015
WV Department of Environmental Protection

API 47- 130 - 4747 Farm name Taylor, Douglas E. & Shirley Well number 1HA

PRODUCING FORMATION(S)	DEPTHS	
Berea	2418-2457	TVD 2660-2785 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface 320 psi Bottom Hole _____ psi DURATION OF TEST 48 hrs
 OPEN FLOW Gas 85 mcfpd Oil 5 bpd NGL - bpd Water 25 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 ₂ S, ETC)
	0		0		
2nd Salt Sand	1573	1664	1573	1664	
3rd Salt Sand	1719	1840	1720	1857	
Maxton	1861	1923	1865	1950	show oil & water (salt)
Big Injun	2000	2053	2015	2077	
Berea	2418	2457	2660	2785	oil & gas

Please insert additional pages as applicable.

Drilling Contractor Wayco
 Address PO Box 397 City Glenville State WV Zip 26351

Logging Company ADC
 Address 1200 Heavy Haul Rd. City Morgantown State WV Zip 26508

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

Stimulating Company Producers Services
 Address 109 S. Graham St. City Zanesville State OH Zip 43701

Please insert additional pages as applicable.

Completed by Steven W. Sigler
 Signature [Signature] Title President

RECEIVED
 Office of Oil and Gas
 Telephone 330-264-8847
 MAY 04 2015 Date 4-28-2015

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACEO to Registry
 WV Department of
 Environmental Protection

06/05/2015