

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

REWORK

API 47-130-04747 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 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 6-2-2015 Date drilling commenced _____ Date drilling ceased _____
Date completion activities began 6-5-2015 Date completion activities ceased 10-1-2015
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

*** Please see page 5 of 5 for full description of the work performed.

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

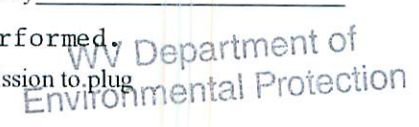
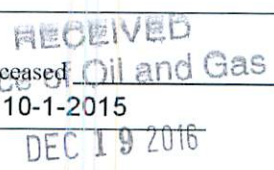
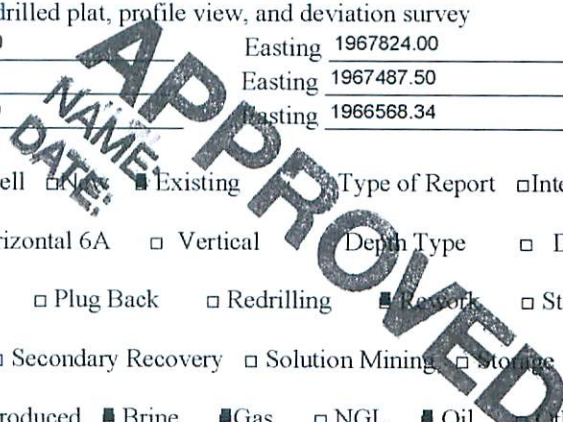
Freshwater depth(s) ft 50' Open mine(s) (Y/N) depths _____ No
Salt water depth(s) ft 1015' Void(s) encountered (Y/N) depths _____ No
Coal depth(s) ft n/a Cavern(s) encountered (Y/N) depths _____ No

Is coal being mined in area (Y/N) _____

APPROVED
NAME: [Signature]
DATE: 5-25-17

Reviewed by: _____

06/02/2017



APPROVED
DATE: _____
NAME: _____

APPROVED
DATE: _____
NAME: _____

06/02/2017

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	Typel 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 Office of Oil and Gas

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

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED WV Department of

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
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.

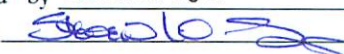
Drilling Contractor Wayco
Address PO Box 397 City Glenville State WV Zip 26351

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 Telephone 330-264-8847
Signature  Title President Date 12-12-2016

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

RECEIVED
Office of Oil and Gas
DEC 19 2016

API #47-130-4747

Farm Name: Taylor, Douglas & Shirley

Well Name: Bennett #1HA

1. Set solid bridge plug @ 2220' in 4-1/2" casing
2. Perf 4-1/2" @ 2210' w/4 shots
3. Pumped 150 sks Type 1 cement. Stopped plug @ 2000'
4. Drilled 200' of good cement & drilled out bridge plug
5. Put well back into production

NOTE: No pits used. All brine hauled off location. Per our rework permit.

RECEIVED
Office of Oil and Gas
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DEC 19 2016
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WV Department of
Economic Development
Engineering Division

06/02/2017