

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

DATE: 8/03/2012
API #: 47-049-02129

Farm name: Cain, Richard Operator Well No.: Fenn A 1H

LOCATION: Elevation: 1,251' Quadrangle: Shinnston

District: Lincoln County: Marion
Latitude: 61° Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 7.33° Feet West of 80 Deg. 17 Min. 30 Sec.

AUG 06 2012

Company: XTO Energy, Inc.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>PO Box 1008, Jane Lew, WV 26378</u>	<u>20"</u>	<u>120'</u>	<u>114'</u>	<u>C.T.S.</u>
Agent: <u>Gary Beall</u>	<u>13 3/8"</u>	<u>462'</u>	<u>462'</u>	<u>401.2 cuft</u>
Inspector: <u>Tristan Jenkins</u>	<u>9 5/8"</u>	<u>3,046'</u>	<u>3,046'</u>	<u>1020 cuft</u>
Date Permit Issued: <u>12/27/2010</u>	<u>5 1/2"</u>	<u>12,700'</u>	<u>12,670'</u>	<u>2634.72 cuft</u>
Date Well Work Commenced: <u>5/30/2011</u>				
Date Well Work Completed: <u>10/28/2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,490'</u>				
Total Measured Depth (ft): <u>12,700'</u>				
Fresh Water Depth (ft.): <u>406'</u>				
Salt Water Depth (ft.): <u>None Noted</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None Noted</u>				
Void(s) encountered (N/Y) Depth(s) <u>412'</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7464'-7490'

Gas: Initial open flow Show MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow Show MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

8-3-12
Date

01/25/2013

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____
MWD, GR, ROP, VS, TVD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stg 1 Marcellus; 12,418'-12,596; 72 shots; Slick water frac; Avg treating 7047 psi@79 bpm; 75,977#s 100 mesh; 269,851#s 30/50 mesh; 7,052 bbl water, 961 bbl treated water

Stg 2 Marcellus; 12,159'-12,337; 72 shots; Slick water frac; Avg treating 7151 psi@74 bpm; 74,374#s 100 mesh; 267,916#s 30/50 mesh; 7,118 bbl water, 637 bbl treated water

Stg 3 Marcellus; 11,900'-12,078; 72 shots; Slick water frac; Avg treating 7249 psi@77 bpm; 74,001#s 100 mesh; 263,863#s 30/50 mesh; 6,824 bbl water, 969 bbl treated water

Stg 4 Marcellus; 11,641'-11,819; 72 shots; Slick water frac; Avg treating 7280 psi@76 bpm; 75,791#s 100 mesh; 174,457#s 30/50 mesh; 6,134 bbl water, 778 bbl treated water

Stg 5 Marcellus; 11,382'-11,560; 72 shots; Slick water frac; Avg treating 7251 psi@81 bpm; 78,427#s 100 mesh; 265,678#s 30/50 mesh; 8,168 bbl water

Stg 6 Marcellus; 11,123'-11,301; 72 shots; Slick water frac; Avg treating 7100 psi@81 bpm; 75,500#s 100 mesh; 265,305#s 30/50 mesh; 7,878 bbl water

Plug Back Details Including Plug Type and Depth(s):

See additional page

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth _____
Surface: _____

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Formations Encountered:	Top Depth	Bottom Depth
Little Lime	1710	
Big Lime	1741	
Big Injun	1836	
5th Sand	2809	
Balltown	3709	
Geneseo Shale	7197 - 7241	
Tully Limestone	7241 - 7291	
Hamilton Shale	7291 - 7349	
Marcellus Shale	7349 - 7450	
Purcell Limestone	7450 - 7490	

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