

WR-35
Rev (9-11)

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

DATE: 05/29/2013
API #: 47-047-02643 FRAC

Farm name: BENNETT, JOHN P. ET AL Operator Well No.: FOREMAN A-1

LOCATION: Elevation: 2239' Quadrangle: ANWALT

District: ADKIN County: MCDOWELL
Latitude: 4909 Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude 8932 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: CABOT OIL & GAS CORPORATION

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
FIVE PENN CENTER WEST, SUITE 40 PITTSBURGH, PA 15276	13-3/8"	50	50	N/A
Agent: BRIAN HALL	9-5/8"	548	548	240
Inspector: GARY KENNEDY	7"	1148	1148	270
Date Permit Issued: 06/16/2010	4-1/2"		7324	158
Date Well Work Commenced: 07/05/2010				
Date Well Work Completed: 07/31/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7430				
Total Measured Depth (ft): 7459				
Fresh Water Depth (ft.): 250				
Salt Water Depth (ft.): NONE REPORTED				
Is coal being mined in area (N/Y)? YES				
Coal Depths (ft.): NONE REPORTED				
Void(s) encountered (N/Y) Depth(s)				

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

Producing formation 3RD ELK SAND Pay zone depth (ft) 6507-6554
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 350 psig (surface pressure) after Hours

Second producing formation 1ST ELK SAND Pay zone depth (ft) 6232-6278
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 350 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.

Kenneth J. Shea
Signature

5-29-13
Date

05/31/2013

47-02643F

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GAMMA RAY DENSITY NOISE

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:

PERFORATION #1 - 6532'-6548', 2SPF, 33 SHOTS TOTAL

STAGE #1 - Pump 250 gal 15% HCL.75Q FF.Breakdown psi 3453. av TP 3389. max TP 3539. av N2 rate 17,108 Scf/M.Total sand 45,714 Lbs. Total N2 774,530Scf. ISIP 2704 psi. 5 MIN 2844 psi. 10 MIN 2584 psi. 15 MIN 2324

PERFORATION #2 - 6235'-6245', 4SPF, 40 SHOTS TOTAL

STAGE #2 - Pump 250 gal 15% HCL.75Q FF. Breakdown psi 3642. av TP 3103. max TP 3148. av N2 rate 17,068. Total sand 45,524 Lbs. Total N2 581,953 Scf. ISIP 2497. 5 min 2425. 10 min 2404. 15 min 2390.

PERFORATION #3 - 4238'-4248', 4SPF, 40 SHOTS TOTAL

STAGE #3 - Pump 250 gal 15 % HCL.75Q FF.Breakdown psi 2824.AV TP 2978. max TP 3184. Av N2 14,960. Total sand 48,337 Lbs. Total N2 479,261 Scf. ISIP 2635. 5 min. 2587. 10 min 2540. 15 min 2492.

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

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

3RD PRODUCING FORMATION DATA: LOWER WEIR SHALE 4014'-4420' - OPEN FLOWS NOT TAKEN. STATIC ROCK PRESSURE: 350 psig

GEOLOGICAL FORMATIONS	TOP	BOTTOM
RV, Sandstone	731	909
Avis, Umestone	1114	1168
Maxton	2022	2190
Little Lime	2492	2598
Pencil Cave	2642	2705
Big Lime	2705	3708
Pocono	3708	3998
Weir	3998	4014
Berea	4448	4466
1st Elk	6240	6278
3rd Elk	6506	6554
Marcellus Shale	7394	7416
Onondaga	7416	7430 TD

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