

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

DATE: 9/18/2013 - Amended
API #: 47-017-05988

Farm name: Cogar, Arden E. & Carol L. Operator Well No.: 512882

LOCATION: Elevation: 1,169' Quadrangle: Oxford

District: Southwest County: Doddridge, WV
Latitude: 7.830' Feet South of 39 Deg. 10 Min. 00 Sec.
Longitude 6.400 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EQT Production Company

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|-----------------|------------------|--------------|------------------------|
| EQT Plaza, Suite 1700 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 42 | 42 | 59.5 |
| Agent: Cecil Ray | 13 3/8 | 1,153 | 1,153 | 994 |
| Inspector: David Scranage | 9 5/8 | 3,036 | 3,036 | 1,136 |
| Date Permit Issued: 12/15/2010 | 5 1/2 | 9,944 | 9,944 | 1,051 |
| Date Well Work Commenced: 12/23/2010 | | | | |
| Date Well Work Completed: 12/21/2011 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6,641' | | | | |
| Total Measured Depth (ft): 9,959' | | | | |
| Fresh Water Depth (ft.): 270', 335' | | | | |
| Salt Water Depth (ft.): 1,827' | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): No coal encountered while drilling. | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

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

Producing formation Marcellus Pay zone depth (ft) 6,542'

Gas: Initial open flow 9,105 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 9,197 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 39 Hours

Static rock Pressure 1,288 psig (surface pressure) after 40 Hours

Second producing formation No second 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

Received

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.

Brad Han
Signature

9/18/2013
Date

10/11/2013
Office of Oil and Gas
WV Dept. of Environmental Protection

17-05988

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, gyro and MWD Gamma Logs

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:

See Attachment

Plug Back Details Including Plug Type and Depth(s): N/A

| Formations Encountered: | Top Depth | Bottom Depth |
|-------------------------|-----------|--------------|
| Surface: | | |

Shale / 0 / 50 / 50 -- Sandstone / 50 / 185 / 135 -- Red Rock / 185 / 245 / 60 --

Sandstone / 245 / 280 / 35 / -- Red Rock / 280 / 390 / 110 -- Sandstone / 390 / 600 / 210 --

Red Rock / 600 / 623 / 23 -- Sandstone / 623 / 720 / 97 -- Shale / 720 / 850 / 130 -- Sandstone / 850 / 983 / 143 --

Shale / 983 / 1,140 / 157 -- Sandstone / 1,140 / 1,688 / 548 -- Sandstone / 1,688 / 1,820 / 132 --

Sand / 1,820 / 1,865 / 45 -- Limestone / 1,865 / 1,977 / 112 -- Sandstone / 1,977 / 2,175 / 198 --

Limestone / 2,175 / 2,267 / 92 -- Sandstone / 2,267 / 2,350 / 83 / -- Siltstone / 2,350 / 3,070 / 720 --

Gordon Sandstone / 3,070 / 3,188 / 118 -- Warren / 3,188 / 3,253 / 65 -- B-5 / 3,253 / 3,266 / 13 --

Speechley / 3,266 / 3,967 / 700 -- Balltown B / 3,967 / 4,380 / 413 -- Riley / 4,380 / 4,782 / 402 --

Benson / 4,782 / 5,039 / 257 -- Alexander / 5,039 / 6,346 / 1,307 --

Middlesex / 6,346 / 6,412 / 65 -- Genessee / 6,412 / 6,469 / 57 -- Genessee / 6,469 / 6,511 / 42

Tully / 6,511 / 6,529 / 17 -- Hamilton / 6,529 / 6,542 / 12 -- Marcellus / 6,542 / 6,641 / 99--

Received

SEP 24 2013