

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: 3-6-2012
API #: 47-051-01315

Farm name: O E Burge Operator Well No.: 6H (627381)

LOCATION: Elevation: 1355' Quadrangle: Glen Easton 7 1/2', Littleton 7 1/2'

District: Liberty County: Marshall
Latitude: 1960' Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 14,856' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--------------------------------------------------------------------------------------------------------|-----------------|------------------|--------------|------------------------|
| P.O. Box 18496 Oklahoma City, OK 73154-0496 | 20" | 100' | 100' | Driven |
| Agent: Eric Gillespie | 13 3/8" | 1227' | 1227' | 1218 cf |
| Inspector: Bill Hendershot | 9 5/8" | 2625' | 2625' | 1125 cf |
| Date Permit Issued: 10/20/2009 | 5 1/2" | 13123' | 13123' | 3474 cf |
| Date Well Work Commenced: 9/12/2011 | | | | |
| Date Well Work Completed: 1/30/2012 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 7,117'(cement plug 13,049') | | | | |
| Total Measured Depth (ft): 13,136' | | | | |
| Fresh Water Depth (ft.): 104' | | | | |
| Salt Water Depth (ft.): 1653' | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 1085' | | | | |
| Void(s) encountered (N/Y) Depth(s) N | | | | |

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

Producing formation Marcellus Pay zone depth (ft) 7,400'-13,030'

Gas: Initial open flow 4,665 MCF/d Oil: Initial open flow 22 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 4,626 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.

Marlene Williams
Signature

5/7/2012
Date

10/19/2012

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 No

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 Attached)

Plug Back Details Including Plug Type and Depth(s): Cement @ 13,049'

| <u>Formations Encountered:</u> | <u>Top Depth</u> | <u>Bottom Depth</u> |
|--------------------------------|------------------|---------------------|
| <u>Surface:</u> | / | |

(See Attached)

| FORMATION/LITHOLOGY | TOP DEPTH (ft) | BOTTOM DEPTH (ft) |
|----------------------------|-----------------------|--------------------------|
| Shale w/ minor LS | 0 | 210 |
| LS w/ minor Shale | 210 | 350 |
| Shale, LS, and SS | 350 | 800 |
| SS | 800 | 1000 |
| Shale, LS, and minor SS | 1000 | 1085 |
| Pittsburgh Coal | 1085 | 1095 |
| Shale and LS | 1095 | 1530 |
| Shale | 1530 | 1700 |
| SS and Shale | 1700 | 2000 |
| LS and SS | 2000 | 2218 |
| Big Injun | 2218 | 2473 |
| Shale | 2473 | 5130 |
| Shale w/ minor LS and SS | 5130 | 5160 |
| Shale w/ minor LS | 5160 | 5750 |
| Shale | 5750 | 6550 |
| Shale w/ minor LS | 6550 | 7017 |
| Geneseo | 7017 | 7044 |
| Tully | 7044 | 7079 |
| Hamilton | 7079 | 7235 |
| Marcellus | 7235 | 7257 |
| Shale | 7257 | 13136 |