

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: 1-7-2013
API #: 47-103265

Farm name: Mackey-Wolfe 201 Operator Well No.: 494501227

LOCATION: Elevation: 1626 Quadrangle: Thornton 7.5'

District: Cove County: Barbour
Latitude: 39.255415 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude -79.886676 Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Mountaineer Keystone, LLC

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---------------------|------------------|--------------|------------------------|
| 6031 Wallace Road Ext. Suite 300 Wexford, PA 15090 | 20" | 42' | 42' | 3.7 cu. yards |
| Agent: | 13 - 3/8" | 921' | 906' | 861 |
| Inspector: Joe McCourt | 9 - 5/8" | 1,947' | 1,932' | 806 |
| Date Permit Issued: 08/01/2012 | 5.5" | 12,608' | 12,593' | 2,114 |
| Date Well Work Commenced: 8/10/2012 | 7 - 7/8" Pilot Hole | None | None | 541 |
| Date Well Work Completed: 12/24/2012 | | | | |
| 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): 7,889' H, 7,989' Pilot | | | | |
| Total Measured Depth (ft): 12,639 H, 7,989' Pilot | | | | |
| Fresh Water Depth (ft.): 100'-750' | | | | |
| Salt Water Depth (ft.): 1,350'-1,700' | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 155', 275', 335', 375', 440', 530', 535' | | | | |
| 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 _____ 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

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

1-7-2013
Date

02/08/2013

Mackey Wolfe 201 As Drilled Formation Tops

| | MD | TVD |
|--------------------------|-------------|-------------|
| Big Lime | 1405 | 1405 |
| 1st Elk | 4604 | 4604 |
| Burkett Shale | 7597 | 7519 |
| Tully Limestone | 7629 | 7536 |
| Mahantango Shale | 7742 | 7584 |
| Marcellus Shale | 8510 | 7776 |
| Purcell Limestone | 8726 | 7827 |
| Lower Marcellus | 8762 | 7833 |