

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: 01/09/2015
API #: 47-085-10130

Farm name: Jed Rollins & Jefferson Rollins Operator Well No.: W-1650

LOCATION: Elevation: 962' Quadrangle: Harrisville

District: Murphy County: Ritchie
Latitude: 13050 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 6670 Feet West of 81 Deg. 02 Min. 30 Sec.

Company: Haught Energy Corporation

| Address: | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| 12864 Staunton Turnpike Smithville, WV 26178 | 13-3/8" | 40' | 40' | |
| Agent: Warren R. Haught | 9-5/8" | 338' | 338' | Surface (100 Sks) |
| Inspector: David Cowan | 7" | 2156' | 2156' | Surface (300 Sks) |
| Date Permit Issued: 07/16/2014 | 4-1/2" | 6078.7' | 6078.7' | 4000' (250 Sks) |
| Date Well Work Commenced: 9/05/2014 | | | | |
| Date Well Work Completed: 1/05/2015 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6,118' | | | | |
| Total Measured Depth (ft): 6,081' | | | | |
| Fresh Water Depth (ft.): 45' | | | | |
| Salt Water Depth (ft.): None | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): None | | | | |
| Void(s) encountered (N/Y) Depth(s) None | | | | |

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

Producing formation Benson/Alexander Pay zone depth (ft) 4,000-4,620
Gas: Initial open flow show MCF/d Oil: Initial open flow 2 Bbl/d
Final open flow 200 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 1000 psig (surface pressure) after 24 Hours

Second producing formation Hamilton Shale Pay zone depth (ft) 5560'-5690'
Gas: Initial open flow show MCF/d Oil: Initial open flow - Bbl/d
Final open flow 100 MCF/d Final open flow - Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 1000 psig (surface pressure) after 24 Hours

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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.

Warren R. Haught
Signature

1/12/15
Date

01/23/2015

85-10130

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, Neutron, Density, Induction, Temp., Audio

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:

Perforated by Superior Well Services 9/17/2014

Perforations at: 3990' - 3995' ; 4414' - 4430' ; 4619' - 4625'; 5564' - 5574'; 5655' - 5689'

Fractured by Universal Well Services 09/23/2014

3 Stage Nitrogen Frac totaling 2,050,000 cubic feet

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

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

See attached worksheet

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Rollins W-1650
API # 47-085-10130

| Formation | Top | Bottom | Remarks |
|------------------|------|--------|---------|
| Red Rock & Shale | 0 | 544 | |
| Sand | 544 | 579 | |
| Red Rock | 579 | 659 | |
| Sand | 659 | 679 | |
| Red Rock | 679 | 744 | |
| Slate | 744 | 859 | |
| Dunkard Sand | 859 | 979 | |
| Slate & Shells | 979 | 1204 | |
| Gas Sand | 1204 | 1319 | |
| Slate | 1319 | 1379 | |
| 1st Salt Sand | 1379 | 1440 | |
| Shale | 1440 | 1480 | |
| 2nd Salt Sand | 1480 | 1498 | |
| Shale | 1498 | 1524 | |
| 3rd Salt Sand | 1524 | 1639 | |
| Slate | 1639 | 1724 | |
| Maxon Sand | 1724 | 1759 | |
| Shale | 1759 | 1834 | |
| Little lime | 1834 | 1856 | |
| Pencil Cave | 1856 | 1868 | |
| Big Lime | 1868 | 1966 | |
| Big Injun Sand | 1966 | 2014 | |
| Slate Break | 2014 | 2019 | |
| Squaw Sand | 2019 | 2027 | |
| Slate & Shells | 2027 | 2378 | |
| Berea Sand | 2378 | 2404 | |
| Slate & Shells | 2404 | 2752 | |
| Gordon | 2752 | 2778 | |
| Slate & Shells | 2778 | 4409 | |
| Riley | 4409 | 4434 | |
| Slate & Shells | 4434 | 4606 | |
| Benson Sand | 4606 | 4610 | |
| Slate & Shells | 4610 | 4900 | |
| Alexander Sand | 4900 | 4914 | |
| Slate & Shells | 4914 | 5536 | |
| Hamilton Shale | 5536 | 5572 | |
| Slate & Shells | 5572 | 5612 | |
| Elk | 5612 | 5680 | |
| Slate & Shells | 5680 | 5994 | |
| Marcellus | 5994 | 6072 | |
| Onandoga lime | 6072 | 6118 | |
| TD | 6118 | | |

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