

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: **Carolyn Farr** Operator Well No. : **Two (2)**

LOCATION: Elevation: **1181** Quadrangle: **New Milton 7.5**
District: **New Milton** County: **Doddridge**
Latitude: **39.17239** Feet South of **39** Deg. **10** Min. **20.6** Sec.
Longitude: **80.74400** Feet West of **80** Deg. **44** Min. **38.4** Sec.

Company: **KEY OIL COMPANY**
22 GARTON PLAZA
WESTON, WV 26452

Agent: **Jan E. Chapman**
Inspector: **Dave Scranage**
Permit Issued: **4-27-11**
Well Work Commenced: **9-15-11**
Well Work Completed: **9-24-11**
Verbal Plugging: **N/A**
Permission granted on: **8-15-11**
Rotary X Cable Rig
Total Depth (feet) **5610'**
Fresh water depths (ft) **90'**
Salt water depths (ft) **1610'**
Is coal being mined in area (Y / N)? **No**
Coal Depths (ft): **None**

| Casing & Tubing Size | Used In Drilling | Left In Well | Cement Fill Up Cu Ft |
|----------------------|------------------|--------------|----------------------|
| 11" | 32' | Pulled | N/A |
| 9-5/8" | 126' | 126' | 70 sks. CTS |
| 7" | 1233' | 1233' | 170 sks. CTS |
| 4-1/2" | 5566' | 5566' | 350 sks. CT 1800' |

OPEN FLOW DATA **Alexander** **5366-5424**
Benson & Riley **3720-5104**
Producing formation **Warren** Pay zone depth (ft) **3480-3600**

Gas: Initial open flow **15** MCF / D Oil: Initial open flow **NA** Bbl / D
Final open flow **1244** MCF / D Oil: Final open flow **Show** Bbl / D
Time of open flow between initial and final tests **24** Hours
Static rock pressure **1400** psig (surface pressure) after **24** Hours

All Formations Comingled.

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF / D Oil: Initial open flow Bbl / D
Final open flow MCF / D Oil: Final open flow Bbl / D
Time of open flow between initial and final tests Hours
Static rock pressure psig (surface pressure) after Hours

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NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: **KEY OIL COMPANY**

By: 

PRESIDENT

Date: **October 10, 2011**

17.06016

C. Farr #2 (47-017-06016)

TREATMENT:

| | | |
|-------------------------------|-----------------------------|---|
| Alexander | (20 holes) 5366-5424 | sand, water and N2: 40,000# 20/40 sand, 463,000 SCF N2 223 bbls. water |
| Benson & Riley | (24 holes) 3720-5104 | sand, water and N2: 5,000# 80/100 sand, 30,200 20/40 sand, 440,000 SCF N2, 206 bbls. water |
| Warren | (20 holes) 3480-3600 | sand, water and N2: 5,000# 80/100 sand, 35,600 20/40 sand, 380,000 SCF N2 235 bbls. water |

FORMATIONS:

| | | |
|-------------------------|--------------|--------------|
| Sand & Shale | 0' | 1270' |
| Salt Sands | 1270' | 1300' |
| Shale | 1300' | 1570' |
| Maxton | 1570' | 1660' |
| Sand & Shale | 1660' | 2060' |
| Little Lime | 2060' | 2075' |
| Shale | 2075' | 2130' |
| Lime | 2130' | 2220' |
| Injun | 2220' | 2280' |
| Shale | 2280' | 2410' |
| Weir | 2410' | 2500' |
| Shale | 2500' | 2600' |
| Gantz | 2600' | 2620' |
| Sand & Shale | 2620' | 2630' |
| Gordon | 2630' | 2840' |
| Shale | 2840' | 3480' |
| Warren | 3480' | 3600' |
| Shale | 3600' | 5000' |
| Riley | 5000' | 5010' |
| Benson | 5100' | 5105' |
| Shale | 5105' | 5350' |
| Alexander | 5350' | 5450' |
| Shale | 5450' | 5610' |
| TD | | 5610' |

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03/20/2015