

October 1, 2012

API # 47-017-06124

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

Well Operator's Report of Well Work

Farm Name: **Vada Barnett** Operator Well No.: **Two (2)**

LOCATION: Elevation: **1053** Quadrangle: **New Milton 7.5**
 District: **New Milton** County: **Doddridge**
 Latitude: **39.18403** Feet South of **39** Deg. **11** Min. **02.5** Sec.
 Longitude: **80.74942** Feet West of **80** Deg. **44** Min. **57.9** Sec.

| Company: | KEY OIL COMPANY 22 GARTON PLAZA WESTON, WV 26452 | Casing & Tubing Size | Used In Drilling | Left In Well | Cement Fill Up Cu Ft |
|---|---|---|---------------------------------|-----------------------------|-------------------------------------|
| Agent: | Jan E. Chapman | | | | |
| Inspector: | Dave Scranage | 13-3/8" | 33' | pulled | N/A |
| Permit Issued: | 06-10-12 | | | | |
| Well Work Commenced: | 09-10-12 | 9-5/8" | 252' | 252' | 100 sks. CTS |
| Well Work Completed: | 09-15-12 | | | | |
| Verbal Plugging | N/A | 7" | 1198' | 1198' | 170 sks. CTS |
| Permission granted on: | 05-10-12 | | | | |
| Rotary X | Cable Rig | 4-1/2" | 2845' | 2845' | 150 sks. |
| Total Depth (feet) | 2883' | | | | ETOC 1100' |
| Fresh water depths (ft) | 100' | | | | |
| Salt water depths (ft) | 1400' | | | | |
| Is coal being mined in area (Y / N)? | No | | | | |
| Coal Depths (ft): | NA | | | | |

| OPEN FLOW DATA | Gordon & Gantz | 2386-2616 |
|-----------------------|---------------------------|------------------|
| Weir | | 2202-2256 |
| Injun | | 2020-2048 |
| Keener | | 1972-1978 |

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| | | | | |
|----------------------------|--|------------------------------|-------------------------------|-------------|
| Producing formation | Blue Monday | Pay zone depth (ft) | 1894-1904 | |
| Gas: | Initial open flow | MCF / D | Oil: Initial open flow | Show |
| | Final open flow | MCF / D | Oil: Final open flow | Show |
| | Time of open flow between initial and final tests | | | 24 |

WV Department of
Environmental Protection

| | | | |
|-----------------------------|------------|--|-----------|
| Static rock pressure | 600 | psig (surface pressure) after | 24 |
|-----------------------------|------------|--|-----------|

Bbl / D
Bbl / D
Hours
Hours

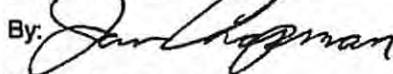
| | | | |
|-----------------------------------|--|------------------------------|-------------------------------|
| All Formations Comingled. | | | |
| Second producing formation | | Pay zone depth (ft) | |
| Gas: | Initial open flow | MCF / D | Oil: Initial open flow |
| | Final open flow | MCF / D | Oil: Final open flow |
| | Time of open flow between initial and final tests | | |

Bbl / D
Bbl / D
Hours
Hours

| | | |
|-----------------------------|--|--|
| Static rock pressure | | psig (surface pressure) after |
|-----------------------------|--|--|

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 1, 2012**

03/20/2015

Vada Barnett #2 47-017-06124

TREATMENT:

| | | |
|----------------|----------------------|--|
| Gordon & Gantz | (20 holes) 2388-2616 | sand, water and N2: 30,000# 20/40 sand, 304,000 SCF N2, and 175 bbl. water |
| Weir | (25 holes) 2202-2256 | sand, water and N2: 20,100# 20/40 sand, 285,000 SCF N2, and 143 bbl. water |
| Injun | (20 holes) 2020-2048 | sand, water and N2: 20,000# 20/40 sand, 243,000 SCF N2, and 137 bbl. water |
| Keener | (20 holes) 1972-1978 | sand, water and N2: 20,000# 20/40 sand, 268,000 SCF N2, and 159 bbl. water |
| Blue Monday | (20 holes) 1894-1904 | sand, water and N2: 20,000# 20/40 sand, 330,000 SCF N2, and 197 bbl. water |

FORMATIONS:

| | | |
|--------------|-------|-------|
| Sand & Shale | 0' | 1100' |
| Shale | 1100' | 1850' |
| Little Lime | 1850' | 1880' |
| Blue Monday | 1880' | 1910' |
| Sand | 1910' | 1970' |
| Keener | 1970' | 2000' |
| Injun | 2000' | 2050' |
| Sand & Shale | 2050' | 2200' |
| Weir | 2200' | 2270' |
| Shale | 2270' | 2380' |
| Gantz | 2380' | 2390' |
| Shale | 2390' | 2610' |
| Gordon | 2610' | 2620' |
| Shale | 2620' | 2883' |
| TD | 2883' | |