

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. : **Three (3)**

LOCATION: Elevation: **1262** Quadrangle: **Oxford 7.5**
 District: **New Milton** County: **Doddridge**
 Latitude: **39.18272** Feet South of **39** Deg. **10** Min. **57.8** Sec.
 Longitude: **80.75342** Feet West of **80** Deg. **45** Min. **12.3** 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 | 11" | 32' | pulled | N/A |
| Permit Issued: | 06-12-12 | | | | |
| Well Work Commenced: | 08-21-12 | 9-5/8" | 168' | 168' | 70 sks. CTS |
| Well Work Completed: | 08-26-12 | | | | |
| Verbal Plugging | N/A | 7" | 1353' | 1353' | 200 sks. CTS |
| Permission granted on: | 07-18-12 | | | | |
| Rotary X Cable Rig | | 4-1/2" | 2937' | 2937' | 160 sks. ETOC 1100' |
| Total Depth (feet) | 3044' | | | | |
| Fresh water depths (ft) | 97' | | | | |
| Salt water depths (ft) | 1300' | | | | |
| Is coal being mined in area (Y / N)? | No | | | | |
| Coal Depths (ft): | NA | | | | |

OPEN FLOW DATA **Gantz & Gordon** **2564-2795**
Weir **2366-2438**
Injun **2218-2224**
Keener **2150-2156**
 Producing formation **Blue Monday** Pay zone depth (ft) **2078-2088**

| | | | | | |
|---|-------------|---------------------------------|------------------------|-------------|---------|
| Gas: Initial open flow | 91 | MCF / D | Oil: Initial open flow | Show | Bbl / D |
| Final open flow | 671 | MCF / D | Oil: Final open flow | Show | Bbl / D |
| Time of open flow between initial and final tests | 24 | | | | Hours |
| Static rock pressure | 1060 | 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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SEP 17 2012

WV Department of
Environmental Protection

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: **September 10, 2012**

Vada Barnett #3 (47-017-06123)

TREATMENT:

| | | |
|----------------|----------------------|--|
| Gantz & Gordon | (20 holes) 2564-2795 | sand, water and N2: 30,000# 20/40 sand, 298,000 SCF N2, and 172 bbl. water |
| Weir | (25 holes) 2366-2438 | sand, water and N2: 25,200# 20/40 sand, 286,000 SCF N2, and 155 bbl. water |
| Injun | (20 holes) 2218-2224 | sand, water and N2: 20,000# 20/40 sand, 236,000 SCF N2, and 137 bbl. water |
| Keener | (20 holes) 2150-2156 | sand, water and N2: 8,700# 20/40 sand, 190,000 SCF N2, and 97 bbl. water |
| Blue Monday | (20 holes) 2078-2088 | sand, water and N2: 20,000# 20/40 sand, 185,000 SCF N2, and 154 bbl. water |

FORMATIONS:

| | | |
|--------------|-------|-------|
| Sand & Shale | 0' | 1350' |
| Salt Sands | 1350' | 1630' |
| Shale | 1630' | 2030' |
| Little Lime | 2030' | 2060' |
| Blue Monday | 2060' | 2085' |
| Shale | 2085' | 2150' |
| Keener | 2150' | 2180' |
| Sand & Shale | 2180' | 2200' |
| Injun | 2200' | 2230' |
| Shale | 2230' | 2360' |
| Weir | 2360' | 2450' |
| Sand & Shale | 2450' | 2560' |
| Gantz | 2560' | 2570' |
| Shale | 2570' | 2790' |
| Gordon | 2790' | 2800' |
| Shale | 2800' | 3044' |
| TD | | 3044' |