

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. : **One (1)**

LOCATION: Elevation: **1149** Quadrangle: **Oxford 7.5**
District: **New Milton** County: **Doddridge**
Latitude: **39.18648** Feet South of **39** Deg. **11** Min. **11.3** Sec.
Longitude: **80.75140** Feet West of **80** Deg. **45** Min. **05.0** Sec.

Company: **KEY OIL COMPANY** Casing & Tubing Size Used In Drilling Left In Well Cement Fill Up Cu Ft
22 GARTON PLAZA
WESTON, WV 26452
Agent: **Jan E. Chapman**
Inspector: **Dave Scranage** 11" 32' Pulled N/A
Permit Issued: **06-11-12**
Well Work Commenced: **08-14-12** 9-5/8" 168' 168' 70 sks. CTS
Well Work Completed: **08-19-12** 7" 1314' 1314' 180 sks. CTS
Verbal Plugging **N/A**
Permission granted on: **05-12-12** 4-1/2" 2933' 2933' 160 sks. ETOC 1200'
Rotary X Cable Rig
Total Depth (feet) **3042'**
Fresh water depths (ft) **115'**
Salt water depths (ft) **1400'**
Is coal being mined in area (Y / N)? **No**
Coal Depths (ft): **NA**

RECEIVED
Office of Oil & Gas

SEP 04 2012

WV Department of
Environmental Protection

OPEN FLOW DATA **Gordon & Gantz** 2542-2776
Weir 2348-2418
Injun 2194-2200
Keener 2126-2132
Producing formation **Blue Monday** Pay zone depth (ft) **2056-2062**

Gas: Initial open flow **103** MCF / D Oil: Initial open flow **Show** Bbl / D
Final open flow **712** MCF / D Oil: Final open flow **Show** Bbl / D
Time of open flow between initial and final tests **24** Hours
Static rock **675** pressure 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

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: *Jan Chapman* PRESIDENT

Date: **August 29, 2012**

Vada Barnett #1 (47-017-06122)

TREATMENT:

Gordon & Gantz	(20 holes) 2542-2776	sand, water and N2: 30,000# 20/40 sand, 303,000 SCF N2, and 176 bbl. water
Weir	(20 holes) 2348-2418	sand, water and N2: 14,000# 20/40 sand, 250,000 SCF N2, and 126 bbl. water
Injun	(20 holes) 2194-2200	sand, water and N2: 25,000# 20/40 sand, 264,000 SCF N2, and 157 bbl. water
Keener	(20 holes) 2126-2132	sand, water and N2: 25,000# 20/40 sand, 267,000 SCF N2, and 163 bbl. water
Blue Monday	(20 holes) 2056-2062	sand, water and N2: 28,500# 20/40 sand, 257,000 SCF N2, and 181 bbl. water

FORMATIONS:

Sand & Shale	0'	1300'
Salt Sand	1300'	1400'
Shale	1400'	1600'
Sand & Shale	1600'	1840'
Shale	1840'	2040'
Blue Monday	2040'	2070'
Lime	2070'	2100'
Keener	2100'	2140'
Injun	2140'	2200'
Sand & Shale	2200'	2340'
Weir	2340'	2430'
Shale	2430'	2540'
Gantz	2540'	2550'
Shale	2550'	2770'
Gordon	2770'	2780'
Shale	2780'	3040'
TD		3040'