

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

Well Operator's Report of Well Work

Farm Name: **Miller** Operator Well No. : **One (1)**

LOCATION: Elevation: **1122** Quadrangle: **Smithburg 7.5**  
 District: **New Milton** County: **Doddridge**  
 Latitude: **39.26348** Feet South of **30** Deg. **15** Min. **48.5** Sec.  
 Longitude: **80.69895** Feet West of **80** Deg. **41** Min. **56.2** Sec.

Company:	<b>KEY OIL COMPANY</b> <b>22 GARTON PLAZA</b> <b>WESTON, WV 26452</b>	Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
Agent:	<b>Jan E. Chapman</b>				
Inspector:	<b>Dave Scranage</b>	<b>11"</b>	<b>35'</b>	<b>Pulled</b>	<b>N/A</b>
Permit Issued:	<b>10-10-11</b>				
Well Work Commenced:	<b>12-05-11</b>	<b>9-5/8"</b>	<b>151'</b>	<b>151'</b>	<b>70 sks. CTS</b>
Well Work Completed:	<b>12-13-11</b>				
Verbal Plugging	<b>N/A</b>	<b>7"</b>	<b>1223'</b>	<b>1223'</b>	<b>160 sks. CTS</b>
Permission granted on:	<b>10-15-11</b>				
Rotary X Cable Rig		<b>4-1/2"</b>	<b>5296'</b>	<b>5296'</b>	<b>270 sks. CT 2500'</b>
Total Depth ( feet )	<b>5435'</b>				
Fresh water depths ( ft )	<b>92'</b>				
Salt water depths ( ft )	<b>1100'</b>				
Is coal being mined in area ( Y / N )?	<b>No</b>				
Coal Depths ( ft ):	<b>NA</b>				


OPEN FLOW DATA **Alexander** **5118-5189**  
**Benson** **4842-4848**  
**Riley** **4664-4755**  
**Bradford** **3920-4380**

Producing formation **Warren** Pay zone depth ( ft ) **3237-3320**  
 Gas: Initial open flow **75** MCF / D Oil: Initial open flow **Show** Bbl / D  
 Final open flow **1113** MCF / D Oil: Final open flow **1** Bbl / D  
 Time of open flow between initial and final tests **24** Hours  
 Static rock pressure **1470** 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:  **PRESIDENT**  
 Date: **December 27, 2011**

Miller #1 (47-017-06038)

TREATMENT:

Alexander	(24 holes) 5118-5189	sand, water and N2: 30,400# 20/40 sand, 388,000 SCF N2 174 bbls. water
Benson	(20 holes) 4842-4848	sand, water and N2: 31,000# 20/40 sand, 418,000 SCF N2, 200 bbls. water
Riley	(24 holes) 4664-4755	sand, water and N2: 20,000# 20/40 sand, 5,000# 80/100 sand, 365,000 SCF N2, 172 bbls. water
Bradford	(20 holes) 3920-4380	sand, water and N2: 25,000# 20/40 sand, 5,000# 80/100 sand, 407,000 SCF N2, 196 bbls. water
Warren	(22 holes) 3237-3320	sand, water and N2: 30,000# 20/40 sand, 5,000# 80/100 sand, 388,000 SCF N2, 225 bbls. water

FORMATIONS:

Sand & Shale	0'	1730'
Little Lime	1730'	1745'
Sand & Shale	1745'	1800'
Blue Monday	1800'	1830'
Shale	1830'	1900'
Injun	1900'	1960'
Sand & Shale	1960'	2120'
Weir	2120'	2190'
Sand	2190'	2540'
Gordon	2540'	2550'
Shale	2550'	3230'
Warrren	3230'	3320'
Shale	3320'	3920'
Bradford	3920'	4380'
Sand & Shale	4380'	4660'
Riley	4660'	4770'
Shale	4770'	4840'
Benson	4840'	4850'
Shale	4850'	5115'
Alexander	5115'	5190'
Shale	5190'	5435'
TD		5435'