

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

Well Operator's Report of Well Work

Farm Name: **J.H. Lowther** Operator Well No. : **One (1)**

LOCATION: Elevation: **978'** Quadrangle: **New Milton 7.5**
District: **New Milton** County: **Doddridge**
Latitude: **39.23844** Feet South of **39** Deg. **14** Min. **18.4** Sec.
Longitude: **80.69702** Feet West of **80** Deg. **41** Min. **49.3** Sec.

Company:	Key Oil Company 22 Garton Plaza Weston, WV 26452	Casing	Used	Left	Cement
		& Tubing Size	In Drilling	In Well	Fill Up Cu Ft
Agent:	Jan Chapman				
Inspector:	Douglas Newlon	12"	32'	pulled	N/A
Permit Issued:	11-02-2012				
Well Work Commenced:	06-08-2013	9-5/8"	210'	210'	90 sks.
Well Work Completed:	06-23-2013				CTS
Verbal Plugging	N/A	7"	1140'	1140'	180 sks.
Permission granted on:	05-30-2013				CTS
Rotary Cable Rig X					
Total Depth (feet)	2795'	4-1/2"	2748'	2748'	160 sks.
Fresh water depths (ft)	95'				CT 850'
Salt water depths (ft)	1300'				
Is coal being mined in area (Y / N)?	No				
Coal Depths (ft):	N/A				

OPEN FLOW DATA

	Gantz & Gordon		2372-2582
	Weir		2180-2224
	Injun		2002-2010
Producing formation	Keener	Pay zone depth (ft)	1932-1938
Gas: Initial open flow	N/A MCF / D	Oil: Initial open flow	Show Bbl / D
Final open flow	581 MCF / D	Oil: Final open flow	2 Bbl / D
Time of open flow between initial and final tests	24 Hours		Hours
Static rock pressure	600 psig (surface pressure) after	24 Hours	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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Office of Oil and Gas
SEP 3 2013
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: **July 22, 2013**

J.H. Lowther #1 (47-017-06176)

TREATMENT:

Gantz & Gordon	(5 holes) 2372' – 2374' (15 holes) 2576' – 2582'	sand, water and N2: 11,000# 20/40 sand, 191,000 SCF N2 129 bbls. water
Weir	(20 holes) 2180' – 2224'	sand, water and N2: 17,000# 20/40 sand, 238,000 SCF N2 157 bbls. water
Injun	(20 holes) 2002' – 2010'	sand, water and N2: 10,000# 20/40 sand, 188,000 SCF N2 127 bbls. water
Keener	(20 holes) 1932' – 1938'	sand, water and N2: 5,000# 20/40 sand, 134,000 SCF N2 87 bbls. water

FORMATIONS:

Sand & Shale	0'	1200'
Shale	1200'	1820'
Blue Monday	1820'	1840'
Big Lime	1840'	1920'
Keener	1920'	1940'
Injun	1940'	2010'
Sand & Shale	2010'	2180'
Weir	2180'	2240'
Shale	2240'	2370'
Gantz	2370'	2380'
Sand & Shale	2380'	2570'
Gordon	2570'	2582'
Shale	2582'	2795'
TD	2795'	