

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. : Two (2)

LOCATION: Elevation: 984'
District: New Milton
Latitude: 39.23608
Longitude: 80.69685

Quadrangle: New Milton 7.5
County: Doddridge
Feet South of 39 Deg. 14 Min. 09.9 Sec.
Feet West of 80 Deg. 41 Min. 48.6 Sec.

Company: Key Oil Company
22 Garton Plaza
Weston, WV 26452

Casing & Tubing Size	Used	Left	Cement	Fill Up Cu Ft
12"	32'	pulled		N/A
9-5/8"	210'	210'		90 sks. CTS
7"	1140'	1140'		180 sks. CTS
4-1/2"	2732'	2732'		160 sks. CT 960'

Agent: Jan Chapman
Inspector: Douglas Newlon
Permit Issued: 12-19-2012
Well Work Commenced: 06-25-2013
Well Work Completed: 06-28-2013
Verbal Plugging: N/A
Permission granted on: 05-25-2013
Rotary Cable Rig X
Total Depth (feet) 2797'
Fresh water depths (ft) 90'
Salt water depths (ft) 1200'
Is coal being mined in area (Y / N)? No
Coal Depths (ft): N/A

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SEP 04 2013

WV Department of
Environmental Protection

OPEN FLOW DATA

Gantz & Gordon	2377-2590
Weir	2216-2244
Injun	2004-2020
Keener	1948-1956
Producing formation Little Lime	1858-1866
Gas: Initial open flow N/A MCF / D	Oil: Initial open flow N/A Bbl / D
Final open flow 750 MCF / D	Oil: Final open flow Show Bbl / D
Time of open flow between initial and final tests 24	Hours
Static rock pressure 1200 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: July 22, 2013

10/11/2013

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J.H. Lowther #2 (47-017-06175)

TREATMENT:

Gantz & Gordon	(5 holes) 2377' – 2381' (15 holes) 2584' – 2590'	sand, water and N2: 25,000# 20/40 sand, 307,000 SCF N2 168 bbl. water
Weir	(20 holes) 2216' – 2244'	sand, water and N2: 20,000# 20/40 sand, 310,000 SCF N2 160 bbl. water
Injun	(20 holes) 2004' – 2020'	sand, water and N2: 15,000# 20/40 sand, 175,000 SCF N2 140 bbl. water
Keener	(20 holes) 1948' – 1956'	sand, water and N2: 10,000# 20/40 sand, 269,000 SCF N2 137 bbl. water
Little Lime	(20 holes) 1858' – 1866'	1500 Gal. 28% Acid and 80 bbl. water

FORMATIONS:

Sand & Shale	0'	1200'
Shale	1200'	1830'
Blue Monday	1830'	1850'
Little Lime	1850'	1890'
Big Lime	1890'	1940'
Keener	1940'	1956'
Injun	1956'	2020'
Shale	2020'	2210'
Weir	2210'	2250'
Shale	2250'	2370'
Gordon	2370'	2590'
Sand & Shale	2590'	2797'
TD		2797'