

WR-35
Rev (5-01)

DATE: May 1, 2006
APN: 47-007-02345

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: L'Engle

Operator Well No.: #40

LOCATION: Elevation: 2024

Quadrangle: Little Birch

District: Hamilton
Latitude: Feet South of Deg.
Longitude: Feet West of Deg.

County: Braxton
Min. Sec.
Min. Sec.

Company: Base Petroleum, Inc.

		Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address:	<u>Rt. 7, Box 407 1/2</u>	<u>13 3/8 "</u>	<u>28'</u>	<u>28'</u>	<u>NA</u>
	<u>South Charleston, WV 25309</u>	<u>9 5/8 "</u>	<u>480'</u>	<u>480'</u>	<u>228</u>
Agent:	<u>John B. Wilcox</u>	<u>7 "</u>	<u>1340'</u>	<u>1340'</u>	<u>282</u>
Inspector:	<u>Craig Duckworth</u>	<u>4 1/2"</u>	<u>2437'</u>	<u>2437'</u>	<u>143</u>
Date Permit issued:	<u>12-3-03</u>				
Date Well Work Commenced:	<u>11-30-05</u>				
Date Well Work Completed:	<u>2-21-06</u>				
Verbal Plugging:					
Date Permission granted on:					
Rotary	Cable	Rotary			
Total Depth (feet):		<u>2470</u>			
Fresh Water Depth (ft.):		<u>NA</u>			
Salt Water Depth (ft.):		<u>1240</u>			
Is coal being mined in area (N/Y)?	<u>N</u>				
Coal depths (ft.):	<u>174-179, 299-306 Open Mine</u>				

OPEN FLOW DATA

Comingled:
 Producing from Big Lime, Blue Monday Pay zone depth (ft) 1807-2026'
 Gas: Initial open flow Odor MCF/d Oil: Initial open flow Bbl/d
 Final open flow 243 MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests Hours
 Static rock Pressure 220 psig (surface pressure) 24 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.

Signed: John B Wilcox
By: AGENT
Date: 1-11-07

WR-35

Well Name: L'Engle #40

APN: 47-007-02345

Frac Summary

Stage 1: Big Lime
 75 Quality foam, 500 gal. acid, 29,500 lbs. 20/40 sand, 376,000 scf N2.
 Breakdown pressure 1783 psi
 Average treating pressure 1545 psi
 Max treating pressure 1932 psi
 Average rate 6.7 b.p.m.
 Perforations 1916-2018 ft.
 No. perfs 16

Stage 2: Blue Monday Sand
 75 Quality foam, 500 gal. acid, 40,200 lbs. 20/40 sand, 344,000 scf N2.
 Breakdown pressure 1586 psi
 Average treating pressure 1172 psi
 Max treating pressure 1770 psi
 Average rate 7.2 b.p.m.
 Perforations 1807-1836 ft.
 No. perfs 48

Production

Comingled

Big Lime, Blue Monday

Before frac	Odor	MCF	Natural
After frac	243	MCF	

Formations

	Depth Top	Depth Bottom	Remarks
Sand and Shale	0	174	
Coal	174	179	
Salt Sand	179	299	
Coal	299	306	open mine
Sand and Shale	306	904	
Salt Sand	904	956	
Sand and Shale	956	1230	
Salt Sand	1230	1304	
Sand and Shale	1304	1360	
Red Rock	1360	1369	
Shale	1369	1606	
Maxon Sand and shale	1606	1646	
Sand and Shale	1646	1760	
Little Lime	1760	1800	
Shale	1800	1806	
Blue Monday	1806	1850	
Pencil Cave	1850	1864	
Big Lime	1864	2100	
Injun Sand	2100	2112	
Shale	2112	2470	
TD		2470	