

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

Well Operator's Report of Well Work

Farm Name: **S.A. Hall** Operator Well No. : **Five (5)**

LOCATION: Elevation: **1172** Quadrangle: **Camden 7.5**
 District: **Freemans** County: **Lewis**
 Latitude: **80.51302** Feet South of **80** Deg. **30** Min. **46.9** Sec.
 Longitude: **39.09011** Feet West of **39** Deg. **05** Min. **24.4** Sec.

Company:	KEY OIL COMPANY 22 GARTON PLAZA WESTON, WV 26452	Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
Agent:	Jan E. Chapman				
Inspector:	Bryan Harris	11"	32'	32'	N/A
Permit Issued:	10-15-11				
Well Work Commenced:	11-02-11	9-5/8"	168'	168'	100 sks. CTS
Well Work Completed:	11-08-11				
Verbal Plugging	N/A	7"	1096'	1096'	160 sks. CTS
Permission granted on:	10-20-11				
Rotary X Cable Rig		4-1/2"	4351'	4351'	280 sks. ETOC 1000'
Total Depth (feet)	4408'				
Fresh water depths (ft)	125				
Salt water depths (ft)	1000'				
Is coal being mined in area (Y / N)?	No				
Coal Depths (ft):	85'				

RECEIVED
 Office of Oil & Gas

DEC 06 2011


WV Department of
 Environmental Protection

OPEN FLOW DATA	Benson	4188-4198
	Balltown	2910-3172
	Bayard	2231-2260
	5th Sand	2194-2220
Producing formation	Gordon	Pay zone depth (ft) 1806-2042
Gas: Initial open flow	103 MCF / D	Oil: Initial open flow Show Bbl / D
Final open flow	750 MCF / D	Oil: Final open flow 2 Bbl / D
Time of open flow between initial and final tests	24	Hours
Static rock pressure	75 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 1, 2011**

TREATMENT:

Benson	(25 holes) 4188-4198	sand, water and N2: 36,000# 20/40 sand, 360,000 SCF N2 192 bbls. water
Balltown	(21 holes) 2910-3172	sand, water and N2: 30,000# 20/40 sand, 300,000 SCF N2 172 bbls. water
Bayard	(20 holes) 2231-2260	sand, water and N2: 20,000# 20/40 sand, 205,000 SCF N2 136 bbls. water
5th Sand	(20 holes) 2194-2220	sand, water and N2: 25,100# 20/40 sand, 257,000 SCF N2 149 bbls. water
Gordon	(24 holes) 1806-2042	sand, water and N2: 43,000# 20/40 sand, 352,000 SCF N2 226 bbls. water

FORMATIONS:

Sand & Shale	0'	1280'
Little Lime	1280'	1300'
Big Lime	1300'	1420'
Injun	1420'	1500'
Squall	1500'	1520'
Sand & Shale	1520'	1800'
Gordon Stray	1800'	1820'
Sand & Shale	1820'	1900'
Gordon	1900'	2050'
Shale	2050'	2200'
5th Sand	2200'	2230'
Bayard	2230'	2290'
Sand & Shale	2290'	3050'
Balltown	3050'	3180'
Shale	3180'	4170'
Benson	4170'	4200'
Shale	4200'	4408'
TD		4408'