



81.01476C

State of West Virginia
Division of Environmental Production
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name Southern Land Company

Operator Well No.: SLHC-004B

LOCATION Elevation: 1946

Quadrangle: Arnett 7 1/2'

District: Marsh Fork County: Raleigh
Latitude: 2550 Feet South of 37 Deg. 52 Min. 30 Sec.
Longitude: 12850 Feet West of 81 Deg. 22 Min. 30 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: Seven Sheridan Square, Suite 200 Kingsport, TN 37660	13 3/8"	31'	31'	
Agent: Bryant Bowman	9 5/8"	350'	350'	130sk/175cf
Inspector: Bryan Harris	7"	1140'	1140'	200sk/270cf
Date Permit Issued: 05/28/2008	2 7/8"	1207'	1207'	
Date Well Work Commenced: <u>8/12/08</u>				
Date Well Work Completed: <u>10/17/2008</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 1,310				
Fresh Water Depth (ft): 20'				
Salt Water Depth (ft): None Reported				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft): 101', 111', 1202				

OPEN FLOW DATA

Producing formation Fire Creek Pay zone depth (ft) 1,202 - 1,206
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests: _____ Hours
 Static rock pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d 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 CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Martha E. Hudson
By: Everett Hudson
Date: 6/2/09

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

This well produces naturally, it has not been perforated or stimulated

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Surface	0000	0016	
Sand	0016	0063	
Sandy Shale	0063	0101	
Coal	0101	0104	
Sandy Shale	0104	0111	
Coal	0111	0115	
Sandy Shale	0115	0123	
Shale	0123	0129	
Sandy Shale	0129	0371	
Shale	0371	0407	
Sand	0407	0423	
Shale	0423	0481	
Sand	0481	0485	
Shale	0485	0510	
Sand	0510	0557	
Shale	0557	0568	
Sand	0568	0661	
Shale	0661	0746	
Sandy Shale	0746	0785	
Shale	0785	0861	
Sand	0861	0913	
Shale	0913	0936	
Sand	0936	1118	
Shale	1118	1169	
Sandy Shale	1169	1197	
Shale	1197	1202	
Coal	1202	1206	Horizontal Target - Fire Creek
Shale	1206	1223	
Sandy Shale	1223	1247	
Shale	1247	1303	
Sand	1303	1310	TD Vertical Production Well