

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

Farm Name: Consolidation Coal Co. Operator Well No.: E-0658

LOCATION: Elevation: 1227' Quadrangle: Shinnston
District: Lincoln County: Marion
Latitude: 10,190' feet South of 39 DEG. 30 MIN. 00 SEC.
Longitude: 4,715' feet West of 80 DEG. 17 MIN. 30 SEC.

Company: Linn Operating, Inc
480 Industrial Park Road
Jane Lew, WV 26378

Agent: Gary Beall
Inspector: Terry Urban
Permit Issued: 1/27/2005
Well Work Commenced: December 6, 2005
Well Work Completed: December 20, 2005
Verbal Plugging: _____
Permission granted on:
Rotary Cable _____
Total Depth (feet) 4017
Fresh Water Depths (ft) None
Salt Water Depths (ft) None
Is coal being mined in area (Y/N)? N
Coal Depths (ft) 335'-338', 460'-470'

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	19'	19'	
7"	1162'	1162'	C.T.S.
4 1/2"	4080'	4017'	190 sks

OPEN FLOW DATA

Producing Formation See Treatment Pay Zone 1973' - 3931'
 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

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 CHANGE, ETC. 2.) THE WELL LOG WHICH IS SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

RECEIVED
Office of Oil & Gas
NOV 05 2012

For: Linn Operating, Inc.
By: [Signature]
Date: 11-5-12

WV Department of
Environmental Protection

Form IV-35
(Reverse)

Well # E-0658
API # 47-049-01572

Details Of Perforated Intervals, Fracturing, or Stimulating Physical Change Etc.

Stage 1 3931' - 3755' 2700#s ATP, 31 bpm, 20,000#s 30/50 mesh sand - Balltown
 Stage 2 2879' - 2874' 2450#s ATP, 31 bpm, 17,500#s 30/80 mesh sand - 5th
 Stage 3 2743' - 2738' 3250#s ATP, 20 bpm, 7,500#s 30/50 mesh sand - Gordon
 Stage 4 2495' - 2490' 3500#s ATP, 20 bpm, 7,500#s 30/50 mesh sand - 30 ft
 Stage 5 2427' - 2410' 3800#s ATP, 20 bpm, 7,500#s 30/50 mesh sand - 50 ft
 Stage 6 1973' - 1965' 3650#s ATP, 26 bpm, 10,000#s 30/50 mesh sand - Pocono
 Stage 7 1938' - 1896' 3000#s ATP, 27 bpm, 18,800#s 30/50 mesh sand - Big Injun

<u>Formation color hard or soft</u>	<u>Top Feet</u>	<u>Bottom Feet</u>	<u>Remarks</u>
Dirt & Gob	0	70	
Sand Stone	70	175	
Sand/Shale	175	230	
Sand	230	335	
Sewickley Coal	335	338	
Sand/Shale	338	460	
Pitts Coal	460	470	
Sand/Shale	470	510	
Sand	510	540	
Sand/Shale	540	570	
Sand	570	630	
Sand/shale	630	785	
Shale	785	910	
Sand	910	1030	
Sand/Shale	1030	1110	
Sand	1110	1270	
Shale	1270	1350	
Sand/Shale	1350	1395	
Sand	1395	1470	
Sand/Shale	1470	1560	
Red Rock	1560	1700	
Shale	1700	1715	
Little Lime	1715	1755	
Shale	1755	1760	
Big Lime	1760	1860	
Sand	1860	1980	
Sand/Shale	1980	2000	
Sand	2000	2090	
Sand/Shale	2090	2110	
Sand	2110	2270	
Sand/Shale	2270	2385	
Sand	2385	2510	
Sand/Shale	2510	2550	
Sand	2550	2670	
Sand/Shale	2670	2730	
Sand	2730	2885	
Shale	2885	2970	
Sand	2970	3150	
Sand/Shale	3150	3240	
Sand	3240	3310	
Sand/Shale	3310	3450	
Sand	3450	3570	
Sand/Shale	3570	3720	
Sand	3720	3760	
Sand/Shale	3760	3870	
Shale	3870	4080	

RECEIVED
Office of Oil & Gas
 NOV 05 2012
 WV Department of
 Environmental Protection

11/09/2012