

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

Farm Name: Moore, Jerry A. Operator Well No.: E-0663

LOCATION: Elevation: 1446.96' Quadrangle: Shinnston  
District: Lincoln County: Marion  
Latitude: 1,320 feet South of 39 DEG. 30 MIN. 00 SEC.  
Longitude: 9,290 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: Tim Bennett  
Permit Issued: May 13, 2005  
Well Work Commenced: January 5, 2006  
Well Work Completed: January 10, 2008  
Verbal Plugging: \_\_\_\_\_  
Permission granted on:  
Rotary X Cable \_\_\_\_\_  
Total Depth (feet) 4,410  
Fresh Water Depths (ft) 110  
Salt Water Depths (ft) N/A  
Is coal being mined in area (Y/N) ? N  
Coal Depths (ft) 790'

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
9 5/8"	840	840	265 sks
7"	1925	1925	350 sks
4 1/2"	4391'	4391'	169 sks

**RECEIVED**  
Office of Oil & Gas

JUL 29 2013

WV Department of  
Environmental Protection

OPEN FLOW DATA

Producing Formation Squaw, 50', Gordon, 5th Sand, Balltown, Riley Pay Zone Depth (ft) 2179' - 4255'  
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
Final Open Flow 94 MCF/d Oil: Final Open Flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock pressure 210 psig surface pressure after 24 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 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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Linn Operating, Inc.

By: \_\_\_\_\_

Date: 7-29-13

49.01609

Form IV-35  
(Reverse)

Well # Fancher #17 E-663  
API # 47-04901609

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

1	2179' -2243'	28 Shots	N2 Assist, Sand, Water
2	2674' - 2719'	12 Shots	N2 Assist, Sand, Water
3	3012' - 3060'	16 Shots	N2 Assist, Sand, Water
4	3162' - 3180'	12 Shots	N2 Assist, Sand, Water
5	4057' - 4070'	6 Shots	N2 Assist, Sand, Water
6	4253' - 4255'	6 Shots	N2 Assist, Sand, Water

<u>Formation color hard or soft</u>	<u>Top Ft Bottom Feet</u>		<u>Remarks</u>
Dirt	0	19	
Sandstone	19	40	
Sand & Shale	40	200	Hole wet @ 110'
Shale	200	245	
Sandstone	245	300	
Sand & Shale	300	500	
Sand	500	660	
Sand & Shale	660	680	
Sand & Shale	680	790	
Pitts Coal	790	800	
Sand	800	860	
Sand & Shale	860	1720	
Sand	1720	1910	
Red Rock	1910	2025	
Sand & Shale	2025	2055	
L. Lime	2055	2075	
Shale	2075	2085	
Big Lime	2085	2155	
Big Injun	2155	2250	
Sand & Shale	2250	2260	
Sand	2260	2940	
Sand & Shale	2940	4410	TD

08/02/2013