

State of West Virginia
 Department of Environmental Protection
 Office of Oil and Gas
 Well Operator's Report of Well Work

Farm Name: MOSER, RAY JR. Operator Well No. 14460

LOCATION: Elevation: 1243' Quadrangle: Big Isaac 7.5'

District: Union County: Harrison
 Latitude: 2,063 Feet South of: 39 Deg. 10 Min. 00 Sec.
 Longitude: 3,843 Feet West of: 80 Deg. 32 Min. 30 Sec.

Company: Dominion Exploration & Production, Inc.

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P.O. Box 1248</u> <u>Jane Lew, WV 26378</u>				
Agent: <u>Rick Elswick</u>				
Inspector: <u>Tim Bennett</u>				
Date Permit Issued: <u>03/22/2010</u>				
Date Well Work Commenced: <u>08/03/2010</u>	<u>13 3/8"</u>	<u>30'</u>	<u>30'</u>	<u>Sand In</u>
Date Well Work Completed: <u>08/12/2010</u>				
Verbal Plugging:	<u>9 5/8"</u>	<u>320'</u>	<u>320'</u>	<u>90 sks</u>
Date Permission granted on:				
Rotary X Cable Rig	<u>7"</u>	<u>1416'</u>	<u>1416'</u>	<u>220 sks</u>
Total Depth (feet): <u>4,010'</u>				
Fresh Water Depth (ft.): <u>180'</u>	<u>4 1/2"</u>	<u>3963'</u>	<u>3963'</u>	<u>230 sks</u>
Salt Water Depth (ft.): <u>1950'</u>				
Is coal being mined in area (N/Y)?: <u>No</u>				
Coal Depths (ft.): <u>N/A</u>				
Oil Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation: INJUN GORDON BAYARD Pay zone depth (ft) 2102-2106' 2710'-2738' 2972'-2976'
 Gas: Initial open flow odor MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 103 MCF/d Final open flow 3.5 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static Rock Pressure 210 psig (surface pressure) after 12 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 A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Rick Elswick
 By: Rick Elswick
 Date: 9-16-10

8/12/2010 SUPERIOR RAN BOND LOG TD - 3954'. TOC - 1200'. SUPERIOR PERFD AND UNIVERSAL FRACED AS FOLLOWS:
 BAYARD, 2972'-2976', 17 HOLES, BD 3580#, AVG RATE 24 BPM, AVG PRESS 2075#, 756 BBLS, TOT SAND 51,000#, 117 MSCFN2, ISIP 1650#, FG .97 PSI/FT
 GORDON, 2710'-2738', 20 HOLES, BD 2223#, AVG RATE 28 BPM, AVG PRESS 2008#, 741 BBLS, TOT SAND 51,000#, 115 MSCFN2, ISIP 1550#, FG .99 PSI/FT
 INJUN, 2102'-2106', 17 HOLES, BD 3700#, AVG RATE 20 BPM, AVG PRESS 3850#, 185 BBLS, TOT SAND 1,500#, 20 MSCFN2, ISIP 2040#
 E.C. RIG CLEANED UP AFTER FRAC.

Fill	0	10	Shale	10	50
RedRock	50	80	Shale	80	170
Sand	170	260	Shale	260	340
RedRock	340	370	Shale	370	440
Sand	440	450	Shale	450	750
RedRock	750	780	Shale	780	1440
Sand	1440	1580	Shale	1580	1610
Sand	1610	1940	Lime	1940	1950
Sand	1950				

GAMMA RAY/ FORMATION			
#14460	TOPS		47-033-05378
	TOP	BASE	
LITTLE LIME	199'	2006	
BIG LIME	2037	2088	
BIG INJUN SAND	2087	2198	
GRANTZ	2381	2412	
FIFTY FOOT	2478	2532	
THIRTY FOOT	2592	2612	
GORDON	2686	2741	
BAYARD	2970	2998	
ELIZABETH	3240	3301	
WARREN	3322	3421	
SPEECHLEY	3465	3615	
BAL TOWN	3734	3909	
LTD		4027	

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