

State of West Virginia
 Department of Environmental Protection
 Office of Oil and Gas


Well Operator's Report of Well Work

Farm Name: Gunnoe, Earl R. Date: 2/17/2012
 Operator Well No.: Gunnoe #1 API #: 47-3906323

LOCATION
 Elevation: 954 Quadrangle: Big Chimney
 District: Elk County: Kanawha
 Latitude: 38.40865498 NAD 83
 Longitude: 81.58056004 NAD 83

WELL INFORMATION					
Company:	Reserve Oil and Gas, Inc.	Casing & Tubing:	Used in Drilling:	Left in Well:	Cement Fill up Cu. Ft.
Address:	<u>929 Charleston Road Spencer, WV 25276</u>	<u>13 3/8"</u>	<u>21.00</u>	<u>21.00</u>	<u>cts</u>
Agent:	<u>J. Scott Freshwater</u>	<u>9 5/8"</u>	<u>335.75</u>	<u>335.75</u>	<u>cts</u>
Inspector:	<u>Terry Urban</u>	<u>7"</u>	<u>1971.60</u>	<u>1971.60</u>	<u>cts</u>
Date Permit Issued:	<u>10/24/2011</u>	<u>4 1/2"</u>	<u>4636.55</u>	<u>4636.55</u>	<u>150 sks</u>
Date Work Commenced:	<u>11/4/2011</u>				
Date Work Completed:	<u>11/30/2011</u>				
Verbal Plugging:					
Date Permission Granted:					
Rotary Rig:	<u>CSi Rig #10</u>				
Cable Rig:					
Total Vertical Depth (FT):	<u>4677</u>	Total Measured Depth (FT): <u>4677</u>			
Fresh Water Depth (FT):	<u>46</u>				
Salt Water Depth (FT):	<u>1280</u>				
Is coal being mined in area (N/Y):	<u>No</u>				
Coal Depths (FT):	<u>N/A</u>	Void(s) Encountered (N/Y) / Depth(s): <u>N/A</u>			

OPEN FLOW DATA					
Producing Formation:	<u>Devonian Shale</u>	Pay Zone Depth (FT):	<u>2898</u>	to	<u>4632</u>
Gas		Oil			
Initial Open Flow:	<u>23.5</u>	Initial Open Flow:	<u>N/A</u>		
Final Open Flow:	<u>382</u>	Final Open Flow:	<u>N/A</u>		
Time of open flow between initial and final tests:			<u>480</u>	Hours.	
Static Rock Pressure:	<u>521</u>	PSIG (Surface Pressure) after:	<u>24</u>	Hours.	
2nd Producing Formation:		Pay Zone Depth (FT):		to	
Gas		Oil			
Initial Open Flow:		Initial Open Flow:			
Final Open Flow:		Final Open Flow:			
Time of open flow between initial and final tests:				Hours.	
Static Rock Pressure:		PSIG (Surface Pressure) after:		Hours.	

Signed:  Date: 17 Feb 12
 By: J. Scott Freshwater

6323

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

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Continued

FORMATIONS

Formation:	From	To
Sub	0	7
Rock / Shale	7	852
Salt Sand	852	1620
Maxton	1620	1650
Little Lime	1650	1690
Big Lime	1690	1865
Injun	1865	1900
Shale	1900	2210
Coffee Shale	2210	2235
Shale	2235	4677

Water:		
Depth:	Amount:	Type:
46	damp	fresh water
1280	switch to fluid	salt water

Gas Checks:	
Depth:	Remarks:
2280	smell gas

Oil Shows:	
Depth:	Remarks:

FRACTURING

Perforations:

Stage 1:
 Number of Perforations: 3837
 Depth From (FT): 4632
 Depth To (FT): 40

Stage 2:
 Number of Perforations: 2898
 Depth From (FT): 3722
 Depth To (FT): 40

Stimulation:

Stage 1:
 Remarks:
 Total N2 = 1,002,106 SCF, Total 15% HCL Treatment Fluid = 420 gallons, Total Ferrotrol 300L = 3 gallons, Total NE-900 = 1 gallon, Total GasFlo G = 1 gallon, Total CI-14 = 1 1/2 gallons, Total 7/8 in. 1.3 sp gr. R ball sealers = 46 in 1 stage

Stage 2:
 Remarks:
 Total N2 = 997,981 SCF, Total 15% HCL Treatment Fluid = 998 gallons, Total Ferrotrol 300L = 3 gallons, Total NE-900 = 1 gallon, Total GasFlo G = 1 gallon, Total CI-14 = 1 1/2 gallons, Total 7/8 in. 1.3 sp gr. R ball sealers = 47 in 1 stage

6323

Were Core Samples Taken (N/Y): No

Were Cuttings Caught During Drilling (N/Y): No

Were Geophysical Logs Recorded on This Well (N/Y): Yes

Electrical (N/Y): Yes

Mechanical (N/Y): Yes