

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

Well Operator's Report of Well Work

Farm name: Ruby Carper Operator Well No.: Hess 3
 LOCATION: Elevation: 1075 Quadrangle: Newton
 District: Greary County: Roane
 Latitude: 3 100 Feet South of 38 Deg. 37 Min. 30 Sec.
 Longitude 13 500 Feet West of 81 Deg. 12 Min. 30 Sec.

Company: Reserve Oil & 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 3/4"</u>	<u>20'</u>	<u>20'</u>	<u>CTS</u>
Agent:	<u>9 5/8"</u>	<u>364.50'</u>	<u>364.50'</u>	<u>CTS</u>
Inspector: <u>J. Scott Freshwater</u>				
Date Permit Issued: <u>9/14/2006</u>	<u>7"</u>	<u>2033.70</u>	<u>2033.70</u>	<u>150 SKS</u>
Date Well Work Commenced: <u>10/03/2006</u>				
Date Well Work Completed: <u>10/13/2006</u>	<u>4 1/2"</u>	<u>5584.55'</u>	<u>5584.55'</u>	<u>175 SKS</u>
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Depth (feet): <u>5625</u>				
Fresh Water Depth (ft.): <u>250</u>				
Salt Water Depth (ft.): <u>1259</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.):				

Received

JUL 14 2006

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OPEN FLOW DATA

Producing formation Rhine Street Pay zone depth (ft) _____
 Gas: Initial open flow 35 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 105 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 425 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 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:

By: J. Scott Freshwater
 Date: 14 Apr 07

08/21/2015
8/21/15

Reserve Oil & Gas, Inc.

Well Name and Number: Hess #3
County: Roane
State: West Virginia
Permit Number: 47-87-04522

Estimated Depths

Sub Soil	0-5
Shale:	5-17
Sand w/Shale	17-1299
Salt Sand	1259-1670
Maxton	1690-1750
Little Lime	1755-1779
Big Lime	1781-1895
Injun	1895-1942
Sand w/Shale	1992-5625

Frac

One (1) Stage:

N2 Gas Frac: Acid 15%; 55 Perforations

4512 ft. to 5582 ft.

Two (2) Stage:

N2 Gas Frac: Acid 15%; 57 Perforations

3131 ft. to 4440 ft.

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