

WR-35  
Rev (9-11)

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

DATE: 8/07/2013  
API #: 47-097-03279  
47-097-03279

Farm name: Charles A. Livingston Operator Well No.: 1  
LOCATION: Elevation: 1905 G.L., 1915 KB. Quadrangle: Buckhannon 7.5'  
District: Washington 2 County: Upshur  
Latitude: 13.850 Feet South of 38 Deg. 57 Min. 30 Sec.  
Longitude 10.925 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: LIPPIZAN Petroleum, Inc.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 95</u> <u>Ellenboro, WV 26346</u>	<u>10 3/4" Csg</u>	<u>50'</u>	<u>Pulled</u>	<u>-</u>
Agent: <u>Robert L. Matthey Jr.</u>	<u>7" Csg</u>	<u>1106'</u>	<u>1106'</u>	<u>160 SK -</u>
Inspector: <u>Craig Duckworth</u>	<u>4 1/2" Csg</u>	<u>3997'</u>	<u>3997'</u>	<u>168 SK</u>
Date Permit Issued: <u>3/04/06</u>				
Date Well Work Commenced: <u>3/28/2006</u>				
Date Well Work Completed: <u>5/02/2006</u>				
Verbal Plogging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Vertical Depth (ft): <u>4045 Driller</u>				
Total Measured Depth (ft): <u>4047' Log</u>				
Fresh Water Depth (ft.): <u>100' 240'</u>				
Salt Water Depth (ft.): <u>None</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>821'</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

C.T.S.  
CT-1279'

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation BENSON SAND Pay zone depth (ft) 3896-3913  
Gas: Initial open flow Shaw MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 80 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 1050 psig (surface pressure) after 8 Hours  
  
Second producing formation Riley SAND Pay zone depth (ft) 3572-3608  
Gas: Initial open flow 50 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 100 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 1000 psig (surface pressure) after 8 Hours

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.

[Signature]  
Signature

8-7-13  
Date

97-03279

Were core samples taken? Yes  No  Were cuttings caught during drilling? Yes  No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GAMMA Ray, Density, Neutron, Induction, Temperature

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stage 1 - Benson Sand. Perforate 3976-99, 3906-13' (20 holes) Treat w/ 450 BW  
500 gals HCL, 35,000 # 20:40 SAND-, BDP = 1985, ATP = 2600 # ALM

Stage 2 - Riley Sand - Perforate 4 1/2" Csg. 3572-79, 3604-08 (22 holes) Treat w/ 500 BW  
500 gals HCL, 25,000 # 20:40 SAND BDP - 2100 ATP = 2400 # ALM

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	Bottom Depth
Surface:		
0 - 50' shale	1984 - 2010	4th SAND
50 - 415 SAND + shale	2032 - 5'	4th SAND
415 - 447 shale	2160 - 2200	5th SAND
447 - 573 SAND + shale	2260 - 2344	Bayard Sand w/ shale breaks
573 - 724 shale	2344 - 2694	shale + siltstone
724 - 760 SAND	2694 - 2700	Speerley SAND
760 - 860 shale	2700 - 3561	shale
860 - 1003 SAND w/ shale breaks	3561 - 3715	Riley SAND. SG @ 3604'
1003 - 1060 shale	3715 - 3906	shale
1060 - 1120 SAND MAXTON	3906 - 3914	Benson Sand SG @ 3910'
1120 - 1264 shale	3914 - 4049	T.D. Shale + siltstone.
1264 - 84 Little Lime		
1284 - 1334 Pencil Cave shale		
1334 - 1543 Big Lime		
1543 - 1602 Squaw SAND		
1602 - 20 shale		
1620 - 57 Gantz SAND		
1657 - 1890 Shale + siltstone		
1890 - 1905 - Gordon SAND		

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