

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 #: 47-097-3543

Farm name: Michael L. Stump Operator Well No.: 1
LOCATION: Elevation: 2010 G.L., 2015 KB Quadangle: Buckhannon 7.5"
District: UNION County: Upshur
Latitude: 4925' Feet South of 38 Deg. 55 Min. 00 Sec.
Longitude 11100 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 98</u>				
<u>Ellenboro, WV 26346</u>	<u>13 3/8" Csg</u>	<u>30'</u>	<u>Pulled</u>	
Agent: <u>Robert L. Mathias, Jr.</u>	<u>7" Csg</u>	<u>1286'</u>	<u>1236'</u>	<u>220 SX</u>
Inspector: <u>Craig Duckworth</u>	<u>4 1/2" Csg</u>	<u>3955</u>	<u>3955</u>	<u>160 SX</u>
Date Permit Issued: <u>3/3/2008</u>				
Date Well Work Commenced: <u>7/19/2008</u>				
Date Well Work Completed: <u>10/17/2008</u>				
Verbal Plogging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Vertical Depth (ft): <u>4010 Driller</u>				
Total Measured Depth (ft): <u>4090 LOG</u>				
Fresh Water Depth (ft): <u>75, 240</u>				
Salt Water Depth (ft): <u>NONE</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft): <u>207, 471, 796</u>				
Void(s) encountered (N/Y) Depth(s) <u>NONE</u>				

C.T.S.
CT-1000

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1st Stage
OPEN FLOW DATA (if more than two producing formations please include additional data on separate sheet)

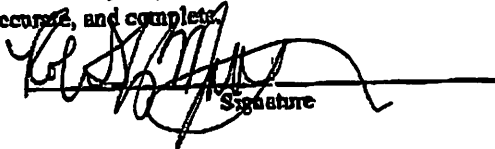
Producing formation Berdson SAND Pay zone depth (ft) 3945-53
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 140 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1650 psig (surface pressure) after 8 Hours

2nd Stage - Speckley SAND 3732-45
10F-60M 10F oil - 0
FAF-140M oil - 0
DF-4th Test R.P. Perm - 980-6 hrs

2nd Stage
Second producing formation Riley SAND Pay zone depth (ft) 3561-78

Gas: Initial open flow 0 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

8-7-13
Date

97-03543

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 4 1/2" Csg @ 3845-53 (24 holes) - Treat w/ 500 gals. HCl
 470 BW, 26,000# 20:40 SAND. BDP = 2200# ATP = 2500#

Stage 2 - Riley SAND - Perforate 4 1/2" Csg @ 3561-78 (24 holes) - Treat w/ 500 gals - HCl
 500 BW, 2 1/2 500# 20:40 SAND BDP = 2300# ATP = 2600#

Stage 3 - Speechley SAND - Perforate 4 1/2" Csg @ 2732-45 (24 holes) - Treat w/ 500 gals. HCl,
 600 BW, 40,500# 20:40 SAND. BDP = 2100# ATP = 2400#

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

Formations Encountered: Top Depth / Bottom Depth

Surface:

Formations Encountered:	Top Depth	Bottom Depth
0-65' shale	1932-1992	Shale + SAND
65-84 SAND	1992-2052	4th A SAND
84-148 shale	2052-2064	shale
148-148 SAND, shale stringers, COAL 208'	2064-2095	4th SAND
445-593 shale + SAND COAL 460'	2095-2157	shale + SAND
593-660 SAND 670'	2157-2220	5th SAND
660-730' shale COAL 870'	2220-2260	shale
730-763 SAND	2260-2340	Bayard SAND
763-847 shale	2340-2728	shale
847-1025 Salt SAND	2728-2746	Speechley SAND SG @ 2737'
1025-1270 shale	2746-3522	shale
1270-1300 Little Lime	3522-3665	Riley SAND
1300-1350 Pencil Core shale	3665-3842	shale
1350-1560 Big Lime	3842-3869	Benson Sand SG @ 3848'
1560-1606 SNAW SAND	3869-4090 T.D.	Shale + siltstone
1606-1638 GANTZ SAND		
1638-1914 SAND + shale		
1914-1932 Gordon SAND - SG @ 1826'		

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