

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

DATE: 7-29-13
API #: 47-730-1117

Farm name: A.G. BAILEY Operator Well No.: 1 - Re Work
LOCATION: Elevation: 275 GL. Quadrangle: RAVEN ROCK 7.5"
District: UNION County: PLEASANTS
Latitude: 2409' Feet South of 39 Deg. 25 Min. 00 Sec.
Longitude 9547' Feet West of 81 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>34'</u>	<u>34'</u>	<u>NO</u>
Agent: <u>Robert L. Matt Paw, JR.</u>	<u>10 3/4" Csg</u>	<u>220'</u>	<u>Pulled</u>	<u>NO</u>
Inspector: <u>Joe Taylor</u>	<u>8 5/8" Csg</u>	<u>1153'</u>	<u>Pulled</u>	<u>NO</u>
Date Permit Issued: <u>Sept 21, 2012</u>	<u>7"</u>	<u>2034'</u>	<u>2034'</u>	<u>650 9X-</u>
Date Well Work Commenced: <u>10/10/2012</u>	<u>4 1/2" Csg</u>	<u>1513'</u>	<u>1513'</u>	<u>7" x 4 1/2" PKY @ 1238'</u>
Date Well Work Completed: <u>7/14/2013</u>	<u>2 3/8" Tbg</u>	<u>1535'</u>	<u>1535'</u>	
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable <input checked="" type="checkbox"/> Rig				
Total Vertical Depth (ft): <u>2408'</u>				
Total Measured Depth (ft):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>891, 910, 1007, 1097</u>				
Void(s) encountered (N/Y) Depth(s)				

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

Producing formation Lower Pocahontas Sand Pay zone depth (ft) 1518-5'
Gas: Initial open flow Show MCF/d Oil: Initial open flow 1 Bbl/d
Final open flow 30 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 410 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

APPROVED

NAME: Jackie Sherwin
DATE: 3/30/2016

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MAR 08 2016

WV Department of
Environmental Protection

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.

Robert L. Matt Paw, Jr.
Signature

7-29-13
Date

73.01117

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
GR-CCL-Newton

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:

Perforate 1529-1547 (40 holes)
 Treat with 363 bbls wtr and 23,919 lbs 10:20 SAND 300,000 cu ft N₂
 BDP = 2085" Ave TP = 2339"

Plug Back Details Including Plug Type and Depth(s): Original T.D. 2408', 7" csg ran to 2034' CT = 815'
Former Operator dropped tubing in 7" hole, cant pull. gal hole from 2034' to 1800' inside 7" - set
Bridge plug @ 1622' New PBTD

Formations Encountered:	Top Depth	Bottom Depth
Surface:		
Shale and SAND	0 -	545'
SAND	545'	605'
Shale	605	730'
U. Dunbar SD.	730'	773
Shale	773	794
L. Dunbar SD	794	813'
Shale	813	953
1st Cow Run SAND	953	990
Shale	990	1042
2nd Cow Run SAND	1042	1073
Shale	1073	1114
1st Salt Sand	1114	1167
2nd Salt Sand	1167	1222
3rd Salt Sand	1222	1286
Big Lime	1286	1335
SAVANNA SAND	1335	1370
POCONO SANDS	1370	1555
Shale	1555	1622 PBTD.

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