

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

Well Operator's Report of Well Work

Farm name: BARTHELEMY, LARRY Operator Well No.: 1
 LOCATION: Elevation: 1440 Quadrangle: THORNTON
 District: KNOTTSVILLE County: TAYLOR
 Latitude: 9,480 Feet South of 39 Deg. 20 Min. 0 Sec.
 Longitude: 7,210 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: Texas Keystone, Inc.

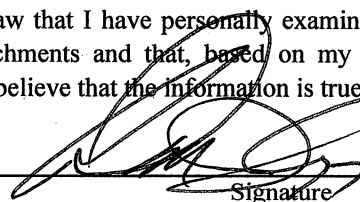
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
560 Epsilon Drive Pittsburgh, PA 15238				
Agent: Jon Farmer	13 3/8"	42	42	Sanded In
Inspector: Bryan Harris				
Date Permit Issued: 08/17/10	9 5/8"	420	420	160
Date Well Work Commenced: 03/02/11				
Date Well Work Completed: 03/09/11	7"	1521	1521	220
Verbal Plugging:				
Date Permission granted on:	4 1/2"	0	5360	250
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 5810				
Total Measured Depth(ft.):5810				
Fresh Water Depth (ft.): 320, 500, 620				
Salt Water Depth (ft.): 1220				
Is coal being mined in the area (N/Y)? N				
Coal Depths (ft.): 130				
Void(s) encountered (N/Y) Depth(s): N				

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

Producing formation: 5TH ELK Pay zone Depth (ft) 5209 - 5228
 Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d
 Final open flow 158 MCF/D Oil: Final open flow: 0 Bbl/d
 Time of open flow between initial and final tests: N/A Hours
 Static rock Pressure: 820 psig(surface pressure) after 120 Hours

Second Producing formation: 3RD ELK Pay zone Depth (ft) 4956 - 4960
 Gas: Initial open flow: Co-mingled MCF/D Oil: Initial open flow: 0 Bbl/d
 Final open flow Co-mingled MCF/D Oil: Final open flow: 0 Bbl/d
 Time of open flow between initial and final tests: Hours
 Static rock Pressure: Co-mingled psig(surface pressure) after - 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

4-12-11

 Date

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

Were N Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
 Y/N Y/N Y/N

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

Perforated Intervals, Fracturing, or Stimulating:

Perfed 5th Elk 5209' - 5228' (18 shots). BD 3331 #. 150 sks 40/70 & 70 sks 20/40. 545 bbl. Gel Frac.
 Perfed 3rd Elk 4956' - 4960' (12 shots). BD 4500 #. 75 sks 40/70 & 75 sks 20/40. 514 bbl. Gel Frac.
 Perfed Balltown B 2995' - 3010' (30 shots). BD 2500 #. 250 sks 40/70 & 100 sks 20/40 sks. 602 bbl. Gel Frac.
 Perfed Speechley A 2395' - 2410' (34 shots). BD 3000 #. 200 sks 40/70 & 100 sks 20/40. 585 bbl. Gel Frac.
 Perfed Bayard 2322' - 2348' (22 shots). BD 3275 #. 150 sks 40/70 & 100 sks 20/40. 695 bbl. Gel Frac.

Formations Encountered:	Top Depth	Bottom Depth	Notes:
FILL	0	15	
SHALE	15	30	
SANDY SHALE	30	45	
SHALE	45	105	
SANDY SHALE	105	130	
COAL	130	135	
SANDY SHALE	135	240	
SANDSTONE	240	340	DAMP FW @ 320'
SANDY SHALE	340	370	
SANDSTONE	370	460	
SHALE	460	595	DAMP FW @ 500'
SANDY SHALE	595	710	1/2" FW @ 620'
SANDSTONE	710	815	
REDROCK SHALE	815	915	
SANDSTONE	915	1010	
SANDY SHALE	1010	1093	
LITTLE LIME	1093	1111	
PENCIL CAVE SHALE	1111	1133	
BIG LIME	1133	1345	2 1/2" SW @ 1220'
SHALE	1345	1371	
SQUAW SANDSTONE	1371	1392	
SANDY SHALE	1392	1430	
WEIR SANDSTONE	1430	1465	
SANDY SHALE	1465	1565	
BEREA SANDSTONE	1565	1587	
UPPER GANTZ SANDSTONE	1587	1592	
SHALE	1592	1612	
GANTZ SANDSTONE	1612	1636	
SHALE	1636	1652	
LOWER GANTZ SANDSTONE	1652	1704	
SANDY SHALE	1704	2130	
LOWER FOURTH SAND	2130	2195	
SANDY SHALE	2195	2315	
BAYARD SANDSTONE	2315	2354	
SHALE	2354	2379	
SPEECHLEY A SANDSTONE	2379	2418	
SHALE	2418	2586	
SANDY SHALE	2586	2620	
SHALE	2620	2915	
SANDY SHALE	2915	2993	
BALLTOWN B SANDSTONE	2993	3017	GAS SHOW @ 3000' TSTM
SANDY SHALE	3017	4338	
SHALE	4338	4463	
1ST ELK SILTSTONE	4463	4532	
SHALE	4532	4682	
SANDY SHALE	4682	4927	
3RD ELK SILTSTONE	4927	4967	
SANDY SHALE	4967	5203	
5TH ELK SILTSTONE	5203	5253	GAS SHOW @ 5210' TSTM
SHALE	5253	5810	TD

12/16/2011

Third Producing formation:	<u>BALLTOWN B</u>	Pay zone Depth (ft)	<u>2995 - 3010</u>
Gas: Initial open flow:	<u>Co-mingled</u>	MCF/D	Oil: Initial open flow: <u>0</u> Bbl/d
Final open flow	<u>Co-mingled</u>	MCF/D	Oil: Final open flow: <u>0</u> Bbl/d
Time of open flow between initial and final tests:	<u> </u>	Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u> - </u> Hours
Fourth Producing formation:	<u>SPEECHLEY A</u>	Pay zone Depth (ft)	<u>2395 - 2410</u>
Gas: Initial open flow:	<u>Co-mingled</u>	MCF/D	Oil: Initial open flow: <u>0</u> Bbl/d
Final open flow	<u>Co-mingled</u>	MCF/D	Oil: Final open flow: <u>0</u> Bbl/d
Time of open flow between initial and final tests:	<u> </u>	Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u> - </u> Hours
Fifth Producing formation:	<u>BAYARD</u>	Pay zone Depth (ft)	<u>2322 - 2348</u>
Gas: Initial open flow:	<u>Co-mingled</u>	MCF/D	Oil: Initial open flow: <u>0</u> Bbl/d
Final open flow	<u>Co-mingled</u>	MCF/D	Oil: Final open flow: <u>0</u> Bbl/d
Time of open flow between initial and final tests:	<u> </u>	Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u> - </u> Hours

12/16/2011