

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

Well Operator's Report of Well Work

Farm name: BIGELOW LODGE Operator Well No.: 10

LOCATION: Elevation: 1595' Quadrangle: THORNTON

District: COVE County: BARBOUR

Latitude: 14,270 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 1,280 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: Texas Keystone, Inc.

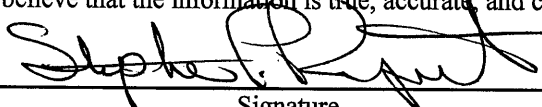
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
560 Epsilon Drive Pittsburgh, PA 15238				
Agent: Jon Farmer	13 3/8"	42	42	Sanded In
Inspector: Bryan Harris				
Date Permit Issued: 07/12/10	9 5/8"	463	463	180
Date Well Work Commenced: 09/26/11				
Date Well Work Completed: 10/03/11	7"	1777	1777	225
Verbal Plugging:				
Date Permission granted on:	4 1/2"	0	5193	180
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 5630				
Total Measured Depth(ft.): 5630				
Fresh Water Depth (ft.): 245, 764				
Salt Water Depth (ft.): none reported				
Is coal being mined in the area (N/Y)? N				
Coal Depths (ft.): none reported				
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: 3RD ELK Pay zone Depth (ft) 5046 - 5066
 Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d
 Final open flow 133 MCF/D Oil: Final open flow: 0 Bbl/d
 Time of open flow between initial and final tests: N/A Hours
 Static rock Pressure: 980 psig(surface pressure) after 144 Hours

Second Producing formation: ALEXANDER Pay zone Depth (ft) 4377 - 4389
 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

10/28/11
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 3rd Elk 5046' - 5066 (26 shots). BD 3350 #. 210 sks 40/70 & 100 sks 20/40. 528 bbl. Gel Frac.

Perfed Alexander 4377' - 4389' (27 shots). BD 3176 #. 200 sks 40/70 & 108 sks 20/40. 598 bbl. Gel Frac.

Perfed Balltown C 3279' - 3287' (24 shots). BD 2000 #. 200 sks 40/70 & 103 sks 20/40. 475 bbl. Gel Frac.

Perfed Balltown B 3117' - 3151' (24 shots). BD 2300 #. 150 sks 40/70 & 113 sks 20/40. 503 bbl. Gel Frac.

Formations Encountered:	Top Depth	Bottom Depth	Notes:
FILL	0	20	
SANDY SHALE	20	35	
SANDSTONE	35	53	
SHALE	53	205	
SANDY SHALE	205	330	1/4" FW @ 245'
SANDSTONE	330	480	
SANDY SHALE	480	610	
SANDSTONE	610	700	
SANDY SHALE	700	1145	1/2" FW @ 764'
RED ROCK	1145	1160	
SANDSTONE	1160	1245	
RED ROCK	1245	1312	
LITTLE LIME	1312	1328	
PENCIL CAVE SHALE	1328	1358	
BIG LIME	1358	1578	
SQUAW SANDSTONE	1578	1585	
SHALE	1585	1596	
WEIR SANDSTONE	1596	1748	
BEREA SANDSTONE	1748	1780	
SHALE	1780	1800	
GANTZ SANDSTONE	1800	1842	
LOWER GANTZ SANDSTONE	1842	1894	
SANDY SHALE	1894	2460	
BAYARD SANDSTONE	2460	2486	
SPEECHLEY A SANDSTONE	2486	2604	
SPEECHLEY B SANDSTONE	2604	2630	
SANDY SHALE	2630	3117	
BALLTOWN B SANDSTONE	3117	3244	
BALLTOWN C SANDSTONE	3244	3292	
SANDY SHALE	3292	4151	
BENSON SILTSTONE	4151	4168	
SANDY SHALE	4168	4355	
ALEXANDER	4355	4402	
SHALE	4402	4564	
1ST ELK SILTSTONE	4564	4630	
SANDY SHALE	4630	4821	
2ND ELK SILTSTONE	4821	4855	
SANDY SHALE	4855	5048	
3RD ELK SILTSTONE	5048	5106	
SANDY SHALE	5106	5440	
5TH ELK SILTSTONE	5440	5495	
SHALE	5495	5630	TD

Third Producing formation:	<u>BALLTOWN C</u>	Pay zone Depth (ft)	<u>3279 - 3287</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>BALLTOWN B</u>	Pay zone Depth (ft)	<u>3117 - 3151</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