

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

Well Operator's Report of Well Work

Farm name: SIGLEY, RALPH Operator Well No.: 6

LOCATION: Elevation: 1416' Quadrangle: FELLOWSVILLE

District: COVE County: BARBOUR  
Latitude: 6,898 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude: 9,140 Feet West of 79 Deg. 50 Min. 0 Sec.

Company: Texas Keystone, Inc.

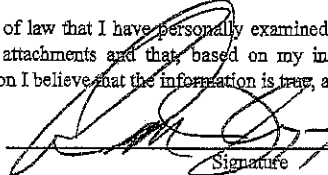
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
560 Epsilon Drive Pittsburgh, PA 15238				
Agent: <u>Jon Farmer</u>	13 3/8"	42	42	SANDED IN
Inspector: <u>Bryan Harris</u>				
Date Permit Issued: <u>10/07/10</u>	9 5/8"	465	465	170
Date Well Work Commenced: <u>07/01/11</u>				
Date Well Work Completed: <u>07/11/11</u>	7"	1646	1646	230
Verbal Plugging:				
Date Permission granted on:	4 1/2"	5041	5041	180
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): <u>5520</u>				
Total Measured Depth (ft.): <u>5520</u>				
Fresh Water Depth (ft.): <u>75, 530</u>				
Salt Water Depth (ft.):				
Is coal being mined in the area (N/Y)? <u>N</u>				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s): <u>N</u>				

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

Producing formation: 3RD ELK Pay zone Depth (ft) 4883' - 4888'  
Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d  
Final open flow 231 MCF/D Oil: Final open flow: 0 Bbl/d  
Time of open flow between initial and final tests: N/A Hours  
Static rock Pressure: 1225 psig(surface pressure) after 96 Hours

Second Producing formation: ALEXANDER Pay zone Depth (ft) 4218' - 4224'  
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

9-22-11  
Date

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Were core samples taken?  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 4883' - 4888' (15 shots). BD 4083 #. 100 sks 20/40 & 200 sks 40/70. 466 bbl. Gel Frac.

Perfed Alexander 4218' - 4224' (18 shots). BD 3629 #. 100 sks 20/40 & 100 sks 40/70. 276 bbl. Gel Frac.

Perfed Benson 3994' - 4000' (18 shots). BD 3174 #. 100 sks 20/40 & 50 sks 40/70. 288 bbl. Gel Frac.

Perfed Balltown C 3124' - 3137' (16 shots). BD 3081 #. 100 sks 20/40 & 100 sks 40/70. 310 bbl. Gel Frac.

Perfed Balltown B 2976' - 2994' (20 shots). BD 4150#. 150 sks 20/40 & 200 sks 40/70. 520 bbl. Gel Frac

Formations Encountered:	Top Depth	Bottom Depth	Notes:
FILL	0	12	
SANDY SHALE	12	35	
SANDSTONE	35	65	
SANDY SHALE	65	315	1/2" FW @ 75'
SANDSTONE	315	430	
SANDY SHALE	430	465	
SANDSTONE	465	495	
SANDY SHALE	495	815	DAMP @ 530'
SANDSTONE	815	925	
REDROCK	925	935	
SANDY SHALE	935	975	
REDROCK	975	1015	
SANDY SHALE	1015	1095	
SANDSTONE	1095	1127	
LITTLE LIME	1127	1142	
PENCIL CAVE SHALE	1142	1170	
BIG LIME	1170	1427	
SANDY SHALE	1427	1454	
WEIR SANDSTONE	1454	1493	
SHALE	1493	1599	
UPPER GANTZ SANDSTONE	1599	1617	
SHALE	1617	1639	
GANTZ SANDSTONE	1639	1755	
SANDY SHALE	1755	2445	
SPEECHLEY B SANDSTONE	2445	2464	
SANDY SHALE	2464	2960	
BALLTOWN B SANDSTONE	2960	3140	
SANDY SHALE	3140	3993	
BENSON SILTSTONE	3993	4003	
SANDY SHALE	4003	4195	
ALEXANDER SILTSTONE	4195	4240	
SANDY SHALE	4240	4403	
1ST ELK SILTSTONE	4403	4444	
SANDY SHALE	4444	4651	
2ND ELK SILTSTONE	4651	4700	
SHALE	4700	4755	
2ND ELK A SILTSTONE	4755	4810	
SANDY SHALE	4810	4885	
3RD ELK SILTSTONE	4885	4935	
SANDY SHALE	4935	5018	
4TH ELK SILTSTONE	5018	5067	
SANDY SHALE	5067	5213	
5TH ELK SILTSTONE	5213	5267	
SHALE	5267	5520	TD

Third Producing formation:	<u>BENSON</u>	Pay zone Depth (ft)	<u>3994' - 4000'</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:		Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u>-</u> Hours
Fourth Producing formation:	<u>BALLTOWN C</u>	Pay zone Depth (ft)	<u>3124' - 3137'</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:		Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u>-</u> Hours
Fifth Producing formation:	<u>BALLTOWN B</u>	Pay zone Depth (ft)	<u>2976' - 2994'</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:		Hours	
Static rock Pressure:	<u>Co-mingled</u>	psig(surface pressure) after	<u>-</u> Hours