

WR-35
Rev (8-10)
Office of Oil & Gas
APR 18 2011

DATE: 4/8/2011
API #: 4700103168

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

Well Operator's Report of Well Work

Farm name: TUMER, JOYCE Operator Well No.: 1

LOCATION: Elevation: 1709 Quadrangle: THORNTON

District: COVE County: BARBOUR
Latitude: 9,500 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 2,500 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: Texas Keystone, Inc.

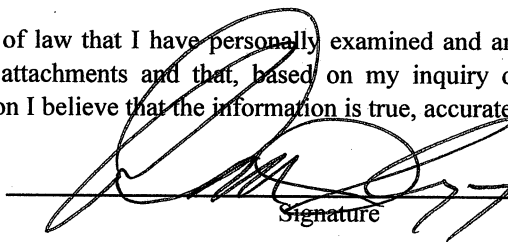
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>560 Epsilon Drive Pittsburgh, PA 15238</u>				
Agent: <u>Jon Farmer</u>	<u>13 3/8"</u>	<u>42</u>	<u>42</u>	<u>Sanded In</u>
Inspector: <u>Bryan Harris</u>				
Date Permit Issued: <u>10/18/10</u>	<u>9 5/8"</u>	<u>462</u>	<u>462</u>	<u>181</u>
Date Well Work Commenced: <u>01/03/11</u>				
Date Well Work Completed: <u>01/20/11</u>	<u>7"</u>	<u>1895</u>	<u>1895</u>	<u>270</u>
Verbal Plugging:				
Date Permission granted on:	<u>4 1/2"</u>	<u>0</u>	<u>5803</u>	<u>270</u>
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): <u>5803</u>	<u>1 1/2"</u>	<u>0</u>	<u>5544</u>	<u>0</u>
Total Measured Depth(ft.): <u>5803</u>				
Fresh Water Depth (ft.): <u>312, 740</u>				
Salt Water Depth (ft.): <u>none reported</u>				
Is coal being mined in the area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>615, 650</u>				
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: 5TH ELK Pay zone Depth (ft) 5561 - 5597
Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d
Final open flow 404 MCF/D Oil: Final open flow: 0 Bbl/d
Time of open flow between initial and final tests: N/A Hours
Static rock Pressure: 1150 psig(surface pressure) after 240 Hours

Second Producing formation: 3RD ELK Pay zone Depth (ft) 5228 - 5266
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 _____ Date 4-12-11

12/16/2011

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 5561' - 5597' (24 shots). BD 3505 #. 200 sks 40/70 & 100 sks 20/40. 714 bbl. Gel Frac.

Perfed 3rd Elk 5228' - 5266' (28 shots). BD 4129 #. 150 sks 40/70 & 100 sks 20/40. 693 bbl. Gel Frac.

Perfed 2nd Elk A 5092' - 5098' (18 shots). BD 4374 #. 150 sks 40/70 & 100 sks 20/40. 683 bbl. Gel Frac.

Perfed Balltown A 3208' - 3211' (32 shots). BD 1663 #. 250 sks 40/70 & 100 sks 20/40. 790 bbl. Gel Frac.

Perfed Spechley A 2633' - 2640' (24 shots). BD 3205 #. 140 sks 40/70 & 100 sks 20/40. 588 bbl. Gel Frac.

Formations Encountered:	Top Depth	Bottom Depth	Notes:
FILL	0	15	
SANDY SHALE	15	30	
SANDSTONE	30	45	
SANDY SHALE	45	300	
SANDSTONE	300	475	DAMP @ 312'
SANDY SHALE	475	610	
SANDSTONE	610	615	
COAL	615	645	
SHALE	645	650	
COAL	650	655	
SANDY SHALE	655	770	DAMP @ 740'
SANDSTONE	770	800	
SANDY SHALE	800	960	
SANDSTONE	960	1060	
REDROCK SHALE	1060	1150	
SANDY SHALE	1150	1230	
SANDSTONE	1230	1360	
SANDY SHALE	1360	1422	
LITTLE LIME	1422	1438	
PENCIL CAVE SHALE	1438	1469	
BIG LIME	1469	1698	
SHALE	1698	1722	
WEIR SANDSTONE	1722	1772	
SHALE	1772	1864	
BEREA SANDSTONE	1864	1880	
UPPER GANTZ SANDSTONE	1880	1898	
SHALE	1898	1912	
GANTZ SANDSTONE	1912	1944	
SHALE	1944	1950	
LOWER GANTZ SANDSTONE	1950	2020	
SANDY SHALE	2020	2629	
SPEECHLEY A SANDSTONE	2629	2674	
SHALE	2674	2730	
SPEECHLEY B SANDSTONE	2730	2764	
SHALE	2764	2827	
SANDY SHALE	2827	3169	
BALLTOWN A SANDSTONE	3169	3228	GAS SHOW @ 3205' TSTM
SANDY SHALE	3228	3416	
SHALE	3416	4127	
SANDY SHALE	4127	4600	
SHALE	4600	4696	
1ST ELK SILTSTONE	4696	4765	
SANDY SHALE	4765	4988	
2ND ELK SILTSTONE	4988	5027	
SANDY SHALE	5027	5090	
2ND ELK A SILTSTONE	5090	5099	
SANDY SHALE	5099	5226	
3RD ELK SILTSTONE	5226	5278	
SANDY SHALE	5278	5552	
5TH ELK SILTSTONE	5552	5610	
SHALE	5610	5803	TD

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Third Producing formation:	<u>2ND ELK A</u>	Pay zone Depth (ft)	<u>5092 - 5098</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 A</u>	Pay zone Depth (ft)	<u>3208 - 3211</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>SPEECHLEY A</u>	Pay zone Depth (ft)	<u>2633 - 2640</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

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