

Office of Oil & Gas  
APR 18 2011  
WV Department of Environmental Protection

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

Well Operator's Report of Well Work

Farm name: ROGERS, WILLIAM Operator Well No.: 3  
 LOCATION: Elevation: 1469 Quadrangle: NESTORVILLE  
 District: COVE County: BARBOUR  
 Latitude: 4,220 Feet South of 39 Deg. 15 Min. 0 Sec.  
 Longitude: 8,380 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: Texas Keystone, Inc.

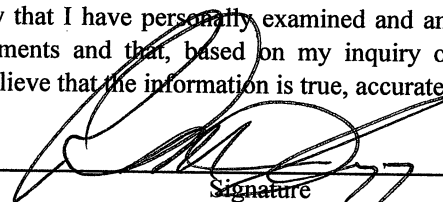
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
560 Epsilon Drive Pittsburgh, PA 15238				
Agent: Jon Farmer	13 3/8"	42	42	Sanded In
Inspector: Bryan Harris				
Date Permit Issued: 09/16/10	9 5/8"	463	463	130
Date Well Work Commenced: 12/21/10				
Date Well Work Completed: 12/30/10	7"	1599	1599	225
Verbal Plugging:				
Date Permission granted on:	4 1/2"	0	5397	206
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 5537	1 1/2"	0	5217	0
Total Measured Depth (ft.): 5537				
Fresh Water Depth (ft.): 60, 525				
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: 5TH ELK Pay zone Depth (ft) 5232 - 5264  
 Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d  
 Final open flow 237 MCF/D Oil: Final open flow: 0 Bbl/d  
 Time of open flow between initial and final tests: N/A Hours  
 Static rock Pressure: 800 psig(surface pressure) after 168 Hours

Second Producing formation: 3RD ELK Pay zone Depth (ft) 4892 - 4900  
 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 5232' - 5264' (20 shots). BD 2958 #. 200 sks 40/70 & 102 sks 20/40. 644 bbl. Gel Frac.  
Perfed 3rd Elk 4892' - 4900' (24 shots). BD 2600 #. 250 sks 40/70 & 109 sks 20/40. 861 bbl. Gel Frac.  
Perfed 1st Elk 4441' - 4445' (12 shots). BD 3496 #. 150 sks 40/70 & 107 sks 20/40. 623 bbl. Gel Frac.  
Perfed Alexander 4239' - 4248' (18 shots). BD 3807 #. 150 sks 40/70 & 105 sks 20/40. 651 bbl. Gel Frac.  
Perfed Benson 4014' - 4019' (15 shots). BD 3650 #. 100 sks 40/70 & 100 sks 20/40. 533 bbl. Gel Frac.  
Perfed Balltown A 2924' - 2933' (18 shots). BD 3240 #. 150 sks 40/70 & 100 sks 20/40. 608 bbl. Gel Frac.

Formations Encountered:	Top Depth	Bottom Depth	Notes:
FILL	0	12	
SANDY SHALE	12	30	
SANDSTONE	30	45	
SANDY SHALE	45	70	1/2" FW @ 60'
SANDSTONE	70	95	
SANDY SHALE	95	130	
SANDSTONE	130	200	
REDROCK SHALE	200	232	
SANDSTONE	232	355	
SANDY SHALE	355	380	
SANDSTONE	380	412	
SANDY SHALE	412	770	1/2" FW @ 525'
SANDSTONE	770	860	
SANDY SHALE	860	1000	
SANDSTONE	1000	1167	
LITTLE LIME	1167	1185	
PENCIL CAVE SHALE	1185	1207	
BIG LIME	1207	1435	
SHALE	1435	1466	
SQUAW SANDSTONE	1466	1507	
SHALE	1507	1590	
BEREA SANDSTONE	1590	1611	
UPPER GANTZ SANDSTONE	1611	1626	
SHALE	1626	1631	
GANTZ SANDSTONE	1631	1667	
LOWER GANTZ SANDSTONE	1667	1702	
SANDY SHALE	1702	2296	
BAYARD SANDSTONE	2296	2335	
SPEECHLEY A SANDSTONE	2335	2395	
SHALE	2395	2444	
SPEECHLEY B SANDSTONE	2444	2464	
SANDY SHALE	2464	2920	
BALLTOWN A SANDSTONE	2920	2936	
SANDY SHALE	2936	3440	
SHALE	3440	3757	
SANDY SHALE	3757	4008	
BENSON SILTSTONE	4008	4022	
SANDY SHALE	4022	4200	
ALEXANDER SILTSTONE	4200	4254	
SHALE	4254	4408	
1ST ELK SILTSTONE	4408	4464	
SANDY SHALE	4464	4655	
2ND ELK SILTSTONE	4655	4708	
SANDY SHALE	4708	4890	
3RD ELK SILTSTONE	4890	4937	
SANDY SHALE	4937	5226	
5TH ELK SILTSTONE	5226	5279	
SANDY SHALE	5279	5537	

12/16/2011

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Third Producing formation:	<u>1ST ELK</u>	Pay zone Depth (ft)	<u>4441 - 4445</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>ALEXANDER</u>	Pay zone Depth (ft)	<u>4239 - 4248</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>BENSON</u>	Pay zone Depth (ft)	<u>4014 - 4019</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
Sixth Producing formation:	<u>BALLTOWN A</u>	Pay zone Depth (ft)	<u>2924 - 2933</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