

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

Well Operator's Report of Well Work

Farm name: MATLICK HEIRS Operator Well No.: 1

LOCATION: Elevation: 1736 Quadrangle: FELLOWSVILLE

District: COVE County: BARBOUR
Latitude: 2,240 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 10,030 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 15236				
Agent: Jon Farmer	13 3/8"	42	42	Sanded In
Inspector: Bryan Harris				
Date Permit Issued: 06/23/11	9 5/8"	550	550	200
Date Well Work Commenced: 08/31/11				
Date Well Work Completed: 09/12/11	7"	1982	1982	260
Verbal Plugging:				
Date Permission granted on:	4 1/2"	0	5767	241
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.): 165, 170, 850				
Salt Water Depth (ft.): none reported				
Is coal being mined in the area (N/Y)? N				
Coal Depths (ft.): 590, 715				
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) 5673 - 5677
 Gas: Initial open flow: G/S TSTM MCF/D Oil: Initial open flow: 0 Bbl/d
 Final open flow 290 MCF/D Oil: Final open flow: 0 Bbl/d
 Time of open flow between initial and final tests: N/A Hours
 Static rock Pressure: 1350 psig(surface pressure) after 120 Hours

Second Producing formation: 3RD ELK Pay zone Depth (ft) 5307 - 5320
 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.

Stephen Rye 10/28/11
Signature Date

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Third Producing formation: ALEXANDER Pay zone Depth (ft) 4581 - 4588
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

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Were core samples taken? No X Were cuttings caught during uniling? 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:

Perforated 5th Elk 5673' - 5677' (16 shots). BD 3596 #. 150 sks 40/70 & 162 sks 20/40. 568 bbl. Gel Frac.

Perforated 3rd Elk 5307' - 5320' (24 shots). BD 2580 #. 250 sks 40/70 & 114 sks 20/40. 727 bbl. Gel Frac.

Perforated Alexander 4581' - 4588' (21 shots). BD 3538 #. 200 sks 40/70 & 110 sks 20/40. 654 bbl. Gel Frac.

Formations Encountered:	Top Depth	Bottom Depth	Notes
FILL	0	15	
SANDY SHALE	15	30	
SANDSTONE	30	42	
SHALE	42	130	
SANDY SHALE	130	165	DAMP @ 165
SANDSTONE	165	355	LOW FW @ 170
SANDY SHALE	355	540	
COAL	540	685	
SANDY SHALE	685	775	
COAL	775	855	DAMP @ 855
SANDSTONE	855	1005	
REDROCK	1005	1210	
SANDY SHALE	1210	1300	
REDROCK	1300	1350	
SANDY SHALE	1350	1390	
REDROCK	1390	1450	
LITTLE LIME	1450	1463	
PENCIL CAVE SHALE	1463	1492	
BIG LIME	1492	1709	
SQUAW SANDSTONE	1709	1715	
SHALE	1713	1773	
WEIR SANDSTONE	1773	1910	
BERRA SANDSTONE	1910	1938	
SHALE	1938	1951	
QUANTZ SANDSTONE	1951	1999	
LOWER GANTZ SANDSTONE	1999	2021	
SANDY SHALE	2021	2534	
BAYARD SANDSTONE	2534	2641	
SANDY SHALE	2641	2690	
SPEECHLEY A SANDSTONE	2690	2783	
SPEECHLEY B SANDSTONE	2783	2838	
SANDY SHALE	2838	3305	
BALLTOWN B SANDSTONE	3263	3346	
SANDY SHALE	3346	4358	
DENSON SILTSTONE	4358	4413	
SANDY SHALE	4413	4558	
ALEXANDER	4558	4590	
SHALE	4590	4760	
1ST ELK SILTSTONE	4760	4773	
SANDY SHALE	4773	5022	
2ND ELK SILTSTONE	5022	5063	
SANDY SHALE	5063	5307	
3RD ELK SILTSTONE	5307	5356	
SANDY SHALE	5356	5638	
5TH ELK SILTSTONE	5638	5690	
SHALE	5690	5810	

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