WR-35 Rev (9-11)

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

DATE:	06-04-2012
API #:	47-7700582

Well Operator's Report of Well Work

arm name: Tanner	Operator Well No.: 1-8HG							
OCATION: Elevation: 2520'	Quadrangle:							
District: Portland Latitude: 0 Feet South of 39 Deg. Longitude 0 Feet West of 79 Deg.	County: Presto	on 41.08 Sec.						
Company: Enerplus Resources (USA)								
Address: 333 Technology Drive Suite 255	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.				
Canonsburg, PA 15317	20"	40'	40'	N/A				
Agent: Terry and Diane Stamper	13 3/8"	850'	850'	840				
Inspector: Sam Ward	9 5/8"	2500'	2500'	752				
Date Permit Issued: 09/07/2011	5 1/2"	13847'	13847'	2007				
Date Well Work Commenced: 09/09/2011								
Date Well Work Completed: 03/29/2012	2 3/8" 4.7# L-80 8rd EUE							
Verbal Plugging: N/A	1121							
Date Permission granted on: N/A								
Rotary Cable Rig	· · · · · · · · · · · · · · · · · · ·							
Total Vertical Depth (ft): 8087								
Total Measured Depth (ft): 12944								
Fresh Water Depth (ft.): N/A								
Salt Water Depth (ft.): N/A								
Is coal being mined in area (N/Y)? No								
Coal Depths (ft.): N/A	***							
Void(s) encountered (N/Y) Depth(s) No								
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay 2 Gas: Initial open flow 1819 MCF/d Oil: Initial open flow 1050 MCF/d Final open flow Time of open flow between initial and final tests 665 Static rock Pressure 530/1230 psig (surface pressure) after the producing formation of th	one depth (ft) + ow 0 Bt ov 0 Bb Hours	/- 7800 TVD pl/d 1/d	ta on separate sl	neet)				
Second producing formation N/A Pay zor Gas: Initial open flow N/A MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests N/A Static rock Pressure N/A psig (surface pressure) aff	/ N/A Bb Hours	ol/d 1/d						

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.

Were core samples taken? YesNo_X	Were cuttings caught during drilling? Yes X No
Were Electrical, Mechanical or Geophysical logs recor	ded on this well? If yes, please list Laterolog, GR, Neutron, Density, Sonic, FMI, ECS
FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF THE COAL ENCOUNTERED BY THE WELLBORE I	FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC E TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING TROM SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating:	
Plug and perf	•
3-3/8" gun w/6 spf 60 deg 23 gram .42" hole	
Each stage contained approx. 8,088 gal wat	er and 370,000 lbs sand
80 bpm	
See attached for perf clusters.	-
Plug Back Details Including Plug Type and Depth(s):	NIA
Formations Encountered: Surface:	Top Depth / Bottom Depth
Allegheny	Surface
Pottsville	395/724
Mississippian	724/1418
Hampshire Group	
Foreknobs/Chemung	1911/5185
Brailier Shale	5185/7487
Burkette/Geneseo	7487/7527
Tully Limestone	7527/7544
Mahantango/Hamilton	7544/7882
Upper Marcellus Shale	7882/7942
Purcell Limestone	7942/7975
Lower Marcellus Shale	7975/8013
Onondaga Limestone	8013/8033
Huntersville Chert	8033

TANNER 1-8HG

			Stage Length w									Frac Plug Range
Stage	Depth		~	 Cluster 4	. (Cluster	3 (Cluster:	2 (Cluster	1	Depth
	Тор	Bottom		Top	Bottom	Top	Bottom	,	Bottom		Bottom	
1	12592	12846	254	12592	12594	12690	12692	12788	12790	12844	12846	
2	12293	12547	272	12293	12295	12391	12393	12489	12491	12545	12547	12565
3	11994	12236	264	11994	11996	12092	8934	12190	12192	12234	12236	12258
4	11695	11949	275	11695	11697	11793	11795	11891	11893	11947	11949	11970
5	11396	11642	264	11396	11398	11494	11496	11592	11594	11640	11642	11660
6	11097	11338	263	11097	11099	11195	11197	11293	11295	11336	11338	11360
7	10802	11030	248	10802	10804	10900	10902	10998	11000	11028	11030	11050
8	10499	10742	266	10499	10501	10597	10599	10695	10607	10740	10742	10765
9	9962	10222	283	9962	9964	10062	10064	10162	10164	10220	10222	10245
10	9656	9913	274	9656	9658	9756	9758	9856	9858	9911	9913	9930
11	9350	9605	274	9350	9352	9450	9452	9550	9552	9603	9605	9624
12	9044	8287	266	9044	9046	9144	9146	9244	9246	8285	8287	9310
13	8736	8995	284	8738	8740	8838	8840	8938	8940	8993	8995	9022
14	8432	8689	278	8432	8434	8532	8534	8632	8634	8687	8689	8710
15	8126	8380	. 272	8126	8128	8226	6228	8326	8328	8378	8380	8398