

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-3-2012
API #: 47-051-01509

Farm name: Serafin Ortiz MSH 8H Operator Well No.: 833978

LOCATION: Elevation: 1280' Quadrangle: 486-Moundville

District: Union County: Marshall
Latitude: 11390' Feet South of 40 Deg. 00 Min. 00 Sec.
Longitude 3370' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	120'	120'	460 Cu. Ft.
Agent: <u>Eric Gillespie</u>	13 3/8"	845'	845'	915 Cu. Ft.
Inspector: <u>Bill Hendershot</u>	9 5/8"	2191'	2191'	954 Cu. Ft.
Date Permit Issued: <u>11-17-2011</u>	5 1/2"	11046'	11046'	2576 Cu. Ft.
Date Well Work Commenced: <u>6-1-2012</u>				
Date Well Work Completed: <u>7-8-2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6329'</u>				
Total Measured Depth (ft): <u>11053'</u>				
Fresh Water Depth (ft.): <u>400'</u>				
Salt Water Depth (ft.): <u>1360'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>755'</u>				
Void(s) encountered (N/Y) Depth(s) <u>Y 762'</u>				

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

Producing formation Marcellus Pay zone depth (ft) 6,700'-10,901'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 696* MCF/d Final open flow 114 Bbl/d

Time of open flow between initial and final tests 37 Hours *Calculated

Static rock Pressure 4,113* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ 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.

Marlene Williams
Signature

10-3-2012
Date

11/09/2012

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR LWD from 5,665' - 11,053' MD

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 DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

(See attached)

11/09/2012

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6329 ft TVD @ 10829 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS/SILTSTONE	0	0	310	310
SS/LS	310	310	755	755
PITTSBURGH COAL	755	755	764	764
SS	764	764	1800	1800
BIG INJUN	1800	1800	2020	2020
SH	2020	2020	6147	6111
GENESEO (SH)	6147	6111	6176	6131
TULLY (LS)	6176	6131	6244	6177
HAMILTON (SH)	6244	6177	6390	6247
MARCELLUS (SH)	6390	6247		
TD OF LATERAL			11053	6328

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