

WR-35  
Rev (8-10)

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

DATE: 5/11/11  
API #: 47-7700105 W

Farm name: Messinger Limited Partner Operator Well No.: Terra Alta South 7513

LOCATION: Elevation: 1882 Quadrangle: Aurora

District: Union County: Preston  
Latitude: 9280 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude 9870 Feet West of 79 Deg. 35 Min. 00 Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Columbia Gas Transmission 1703 MacCorkle Ave SE Charleston, WV 25325-1273	11-3/4	97	97	31 sx
Agent: Paul Amick	8-5/8	980	980	190 sx
Inspector: Sam Ward	4-1/2	5464	5464	102 sx
Date Permit Issued: 11/3/10				
Date Well Work Commenced: 7/1/10				
Date Well Work Completed: 4/20/11				
Verbal Plugging: NA				
Date Permission granted on: NA				
Rotary <u>Y</u> Cable <u>Y</u> Rig <u>Y</u>				
Total Vertical Depth (ft): no telemetry				
Total Measured Depth (ft): 5539				
Fresh Water Depth (ft.): none reported				
Salt Water Depth (ft.): none reported				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): none reported				
Void(s) encountered (N/Y) Depth(s) none rptd				

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

Producing formation Chert / Oriskany commingled Pay zone depth (ft) 5189 - 5394

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

Final open flow 2300 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests NA Hours

Static rock Pressure 1460 psig (surface pressure) after 24 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

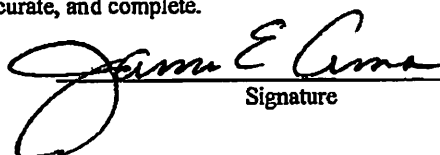
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

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.

  
Signature

5/11/11  
Date

12/07/2012

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes \_\_\_\_\_ No NA

Were Y Electrical, N Mechanical, N 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 DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Pre-existing perforations: 4990 - 91 ft (sqz); 5169 - 89; 5303 - 07; 5376 - 94

New perforations: 4/16/11 - reperforated 5303 - 07 ft during permitted rework

Acid Stim: 2000 gals HCl acid, 75 bbls FW, Avg BH rate = 1.1 BPM, ATP=2600 psig

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface: \_\_\_\_\_

Note that this is an existing storage well drilled in 1962. During rework, no additional borehole was drilled.

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