



Antero Resources
 Thomas Unit 2H
 Doddridge County WV
 Northing: 14302244.81
 Easting: 1765058.11
 Original Wellpath

WELL DETAILS: Thomas Unit 2H
 Ground Level: 1280.0
 Easting: 1765058.11
 Northing: 14302244.81
 Longitude: 80° 33' 31.860 W
 Slot: Thomas 2H

REFERENCE INFORMATION
 Coordinates (NED) Reference: Well Thomas Unit 2H - 844 Thomas 2H, G04 North
 UTM Zone 17N, Datum: NAD 83, Spheroid: GRS 1980, Ellipsoid: Clarke 1866
 Measured Depth Reference: Thomas Unit 2H (0.0, 1292 + 23 RHR @ 1292.0 out (Original Well Elev)
 Completion Method: Jetting (Minimum Circulation)

Well Location Coordinates (NAD 83)

Name	TVD	+N-S	-E-W	Northing	Easting	Latitude	Longitude
SHL Thomas Unit 2H	0.0	0.0	0.0	0.01430224481	1765058.11	30° 33' 31.860 W	80° 33' 31.860 W
Actual BHL Thomas Unit 2H	7525.8	-5047.0	3895.0	14297187.83	1788953.16	30° 22' 14.191 N89° 32' 42.868 W	
SHL (UTM meters)				4,359,551m	538,005m		
BHL (UTM meters)				4,357,984m	539,139m		

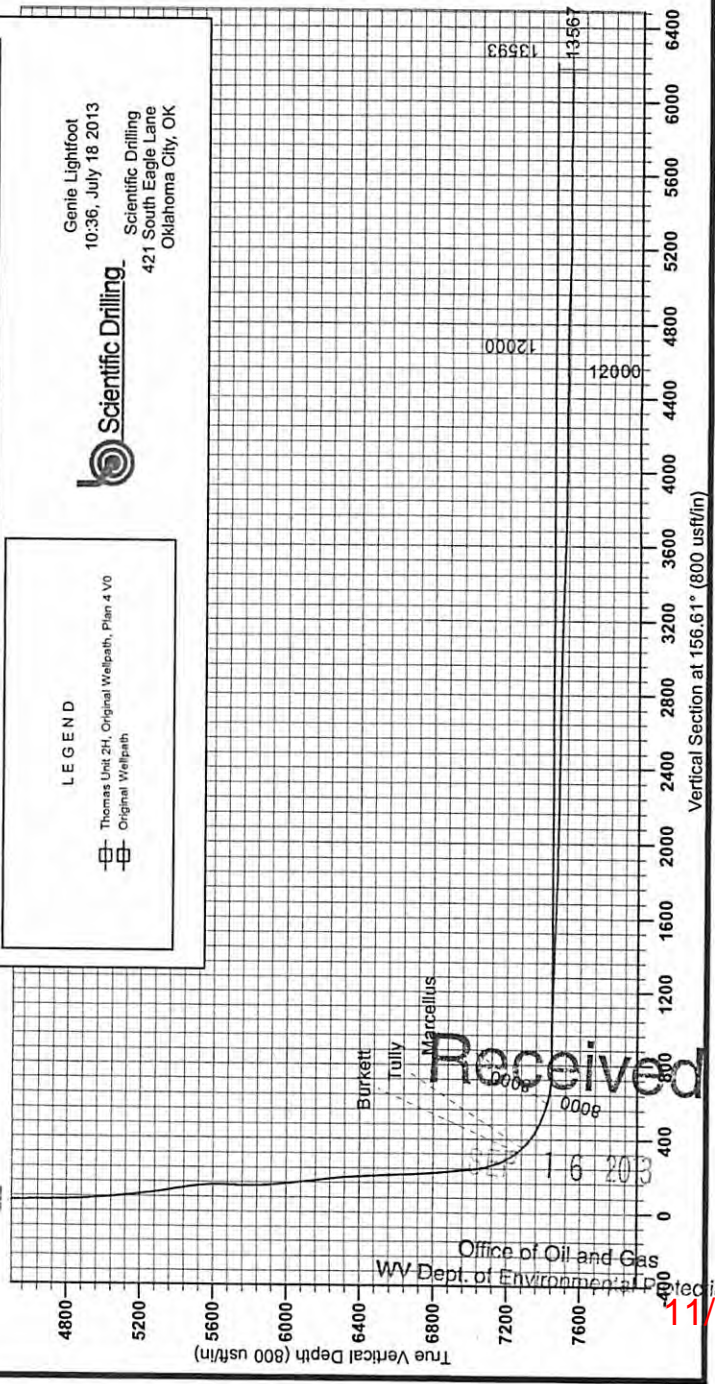
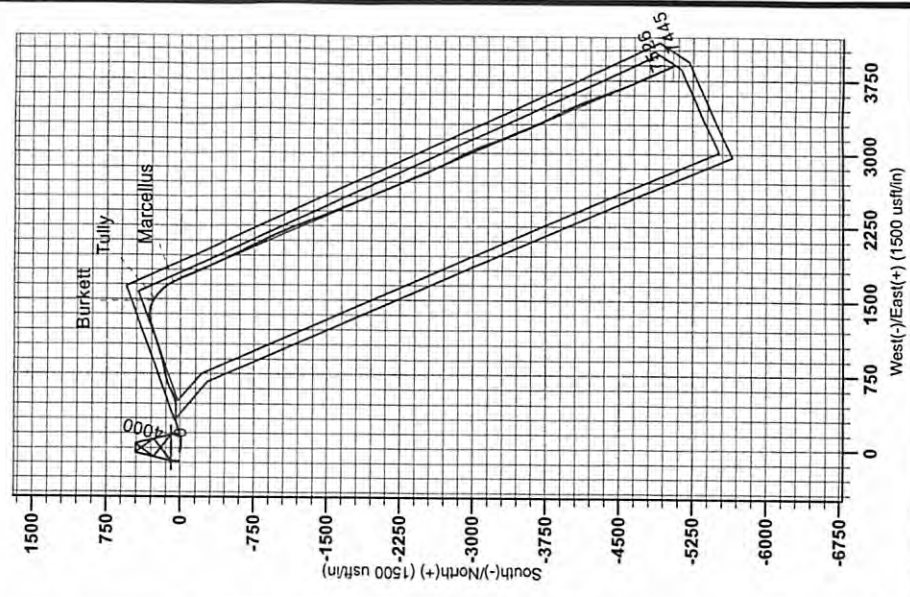
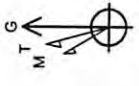
PROJECT DETAILS: Doddridge County WV
 Geoidic System: Universal Transverse Mercator (US Survey Feet)
 Ellipsoid: Clarke 1866
 Zone: Zone 17N (84 W to 78 W)
 System Datum: Mean Sea Level

LEGEND
 Thomas Unit 2H, Original Wellpath, Plan 4 V0
 Original Wellpath

Scientific Drilling
 421 South Eagle Lane
 Oklahoma City, OK

Genie Lightfoot
 10:36, July 18 2013
 Scientific Drilling

To convert Magnetic North to Grid, Subtract 8.07"
 To convert True North to Grid, Subtract 0.28"
 Azimuths to Grid North
 True North: -0.28"
 Magnetic North: -8.87"
 Magnetic Field Strength
 Dip Angle: 67.01°
 Date: 11/28/2012
 Model: IGRF2010



Received

Office of Oil and Gas
 WV Dept. of Environmental Protection

11/08/2013

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