



Antero Resources  
 Caynor Unit 1H  
 Harrison County West Virginia  
 Northing: 14233783.07  
 Easting: 1787720.95  
 As Drilled

**WELL DETAILS: Caynor Unit 1H**

Ground Level: 1099.0  
 +N/S: +E/W: Northing: Easting: Length: Slat  
 0.0 0.0 14233783.07 1787720.95 11' 46.188" 28' 48.249" W

**PROJECT DETAILS:** Harrison County West Virginia  
 Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1983 (NAD83 CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Zone 17N (84 W to 78 W)  
 System Datum: Mean Sea Level

**REFERENCE INFORMATION**

Coordinate (NAD) Reference: Well Control Unit 1H, 0604 North  
 Station (US) Reference: Slat # 02N, 0203  
 Measurement Method: Original (Well East)  
 Calculation Method: Unknown, Original

**LEGEND**

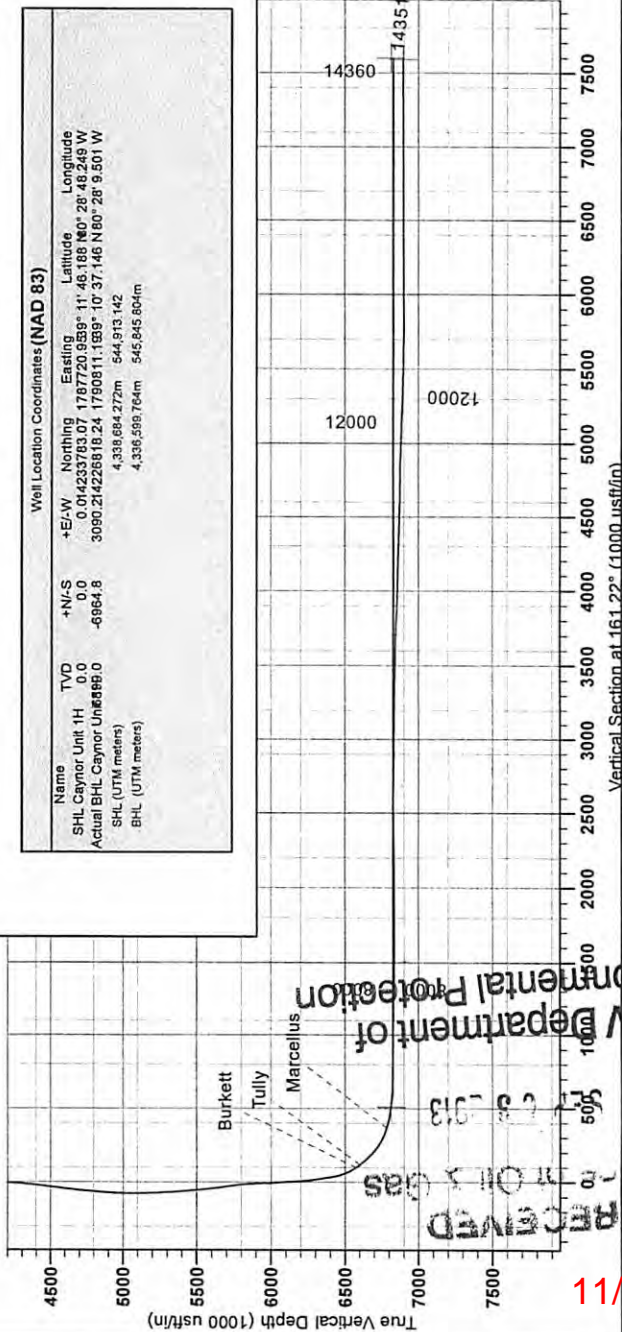
- ⊖ Thrash Unit 1H, Original Wellpath, Original Wellpath V0
- ⊕ Thrash Unit 2H, Original Wellpath, As Drilled V0
- ⊖ Caynor Unit 1H, Original Wellpath, Plan 4 V0
- ⊖ As Drilled

Genie Lightfoot  
 11:19, July 18 2013  
 Scientific Drilling  
 421 South Eagle Lane  
 Oklahoma City, OK



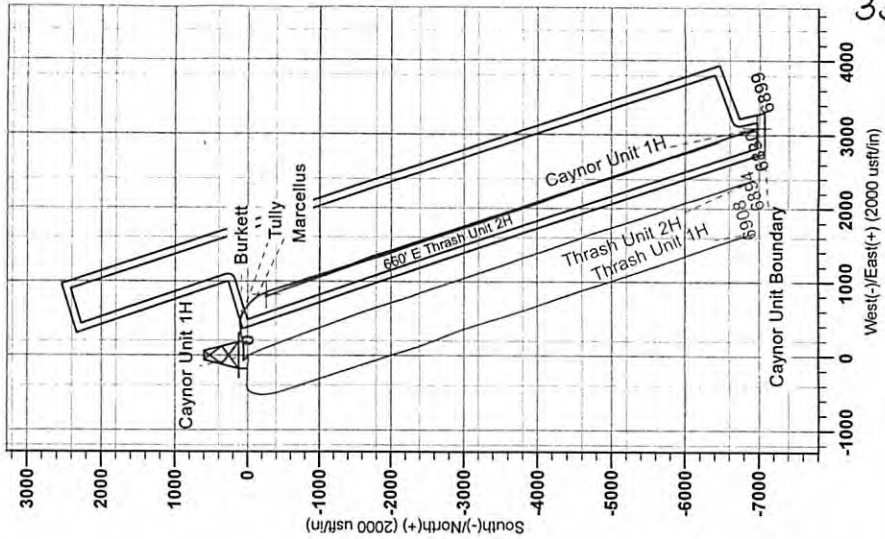
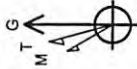
**Well Location Coordinates (NAD 83)**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL Caynor Unit 1H	0.0	0.0	0.0	14233783.07	1787720.95	39° 11' 46.188" N	98° 28' 48.249" W
Actual BHL Caynor Unit 886.0				3090.214226818.24	1790811.1899	10° 37' 146" N	80° 28' 9.501" W
SHL (UTM meters)				4,336,684.272m	544,913.142		
BHL (UTM meters)				4,336,598.764m	545,845.804m		



To convert Magnetic North to Grid, Subtract 8.93°  
 To convert True North to Grid, Subtract 0.33°

Magnetic Field  
 Strength: 2388.3 nT  
 Dip Angle: 66.84°  
 Date: 1/14/2013  
 Model: IGRF2010



33-05646

RECEIVED  
 OFFICE OF OIL & GAS  
 JUL 23 2013  
 WV Department of Environmental Protection

11/08/2013