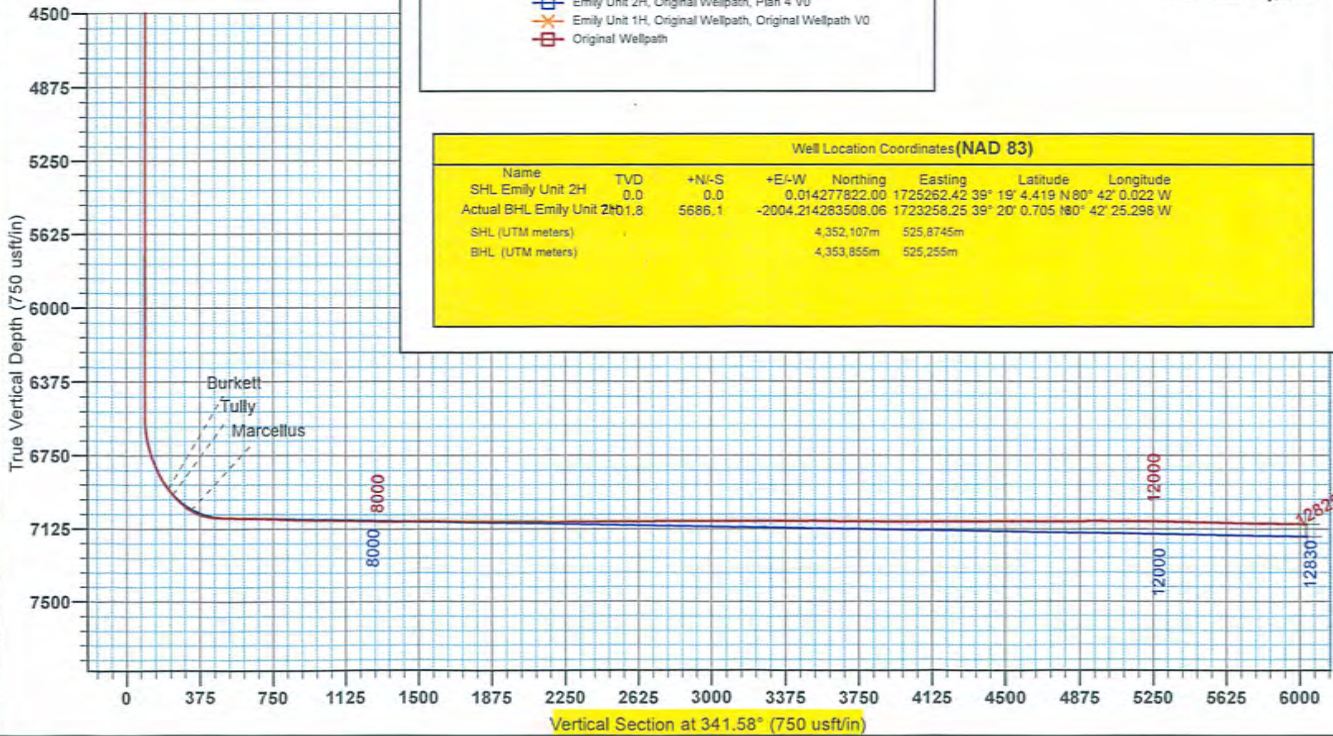


17-06163



Antero Resources  
Emily Unit 2H  
Doddridge County WV  
Northing: 14277822.00  
Easting: 1725262.42  
Original Wellpath



**WELL DETAILS:** Emily Unit 2H

+N/-S	+E/-W	Northing	Ground Level	Easting	Latitude	Longitude	Slot
0.0	0.0	14277822.00	1237.0	1725262.42	39° 19' 4.419 N	80° 42' 0.022 W	

**REFERENCE INFORMATION**

Coordinate (N/E) Reference: Well Emily Unit 2H, Grid North  
 Vertical (TVD) Reference: Emily 2H, 1237 GL + 23 KB @ 1260.0usft (Original Well Elev)  
 Section (N/S) Reference: SH - (O.D.N. 636)  
 Measured Depth Reference: Emily 2H, 1237 GL + 23 KB @ 1260.0usft (Original Well Elev)  
 Calculation Method: Minimum Curvature

**PROJECT DETAILS:** Doddridge County WV

Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Zone 17N (84 W to 78 W)  
 System Datum: Mean Sea Level

**LEGEND**

- Moore Unit 2H, Original Wellpath, Original Wellpath V0
- Moore Unit 1H, Original Wellpath, Original Wellpath V0
- Emily Unit 2H, Original Wellpath, Plan 4 V0
- Emily Unit 1H, Original Wellpath, Original Wellpath V0
- Original Wellpath

**Well Location Coordinates(NAD 83)**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL Emily Unit 2H	0.0	0.0	0.014277822.00	1725262.42	39° 19' 4.419 N	80° 42' 0.022 W	
Actual BHL Emily Unit 2H	0.8	5686.1	-2004.214263508.06	1723258.25	39° 20' 0.705 N	80° 42' 25.298 W	
SHL (UTM meters)				4,352,107m	525,8745m		
BHL (UTM meters)				4,353,855m	525,255m		

Genie Lightfoot  
14:59, July 18 2013  
Scientific Drilling  
421 South Eagle Lane  
Oklahoma City, OK



RECEIVED  
Office Oil and Gas  
APR 09 2013  
Department of  
Environmental Protection

To convert Magnetic North to Grid, Subtract 8.67°  
 To convert True North to Grid, Subtract 0.19°

Azimuths to Grid North  
 True North: -0.19°  
 Magnetic North: -8.67°

Magnetic Field  
 Strength: 52459.8nT  
 Dip Angle: 66.95°  
 Date: 2/19/2013  
 Model: IGRF2010

