

95-02068



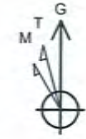
**Antero Resources**  
**Sweeney Unit 1H**  
**Tyler County WV**  
**Original Wellpath**  
**Northing: 14306193.85**  
**Easting: 1713795.42**

**WELL DETAILS: Sweeney Unit 1H**

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	14306193.85	1713795.42	39° 23' 45.296 N	80° 44' 24.943 W	
		Ground Level: 749.0				

**DESIGN TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SHL Sweeney Unit 1H	0.0	0.0	0.0	14306193.85	1713795.42	39° 23' 45.296 N	80° 44' 24.943 W	Point
Actual BHL Sweeney Unit 1H	6647.3	-2172.3	6440.8	14304021.58	1720236.17	39° 23' 23.626 N	80° 43' 2.957 W	Point
PBHL of Sweeney Unit 1H	6647.3	-2172.3	6440.8	14304021.58	1720236.17	39° 23' 23.626 N	80° 43' 2.957 W	Point



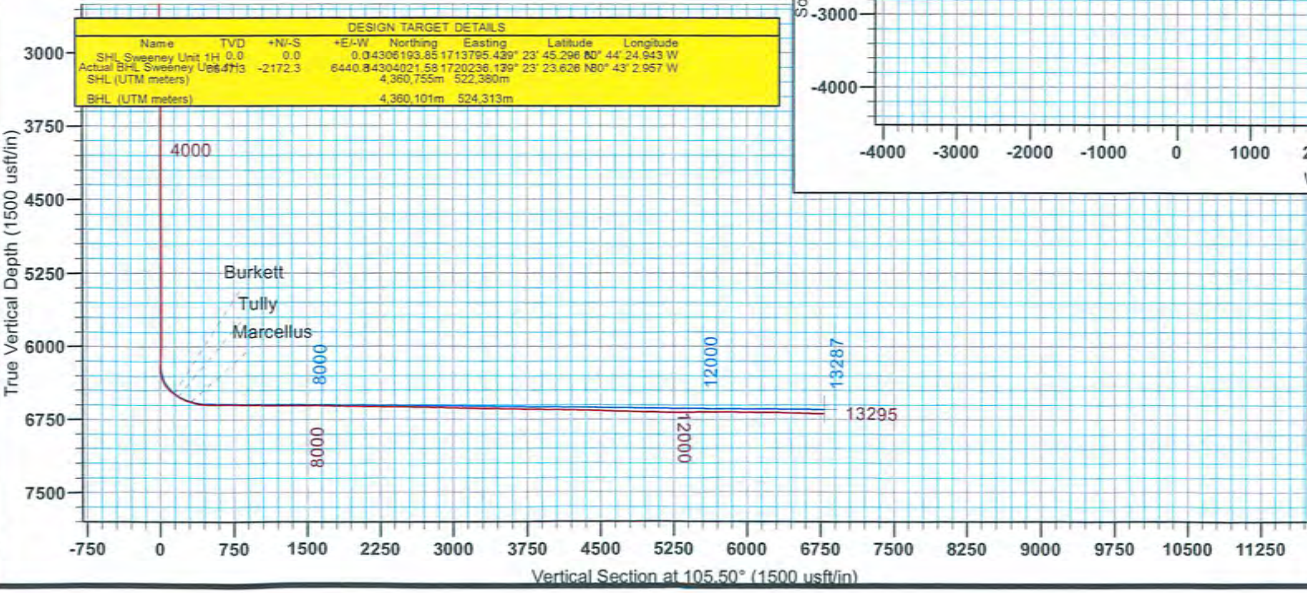
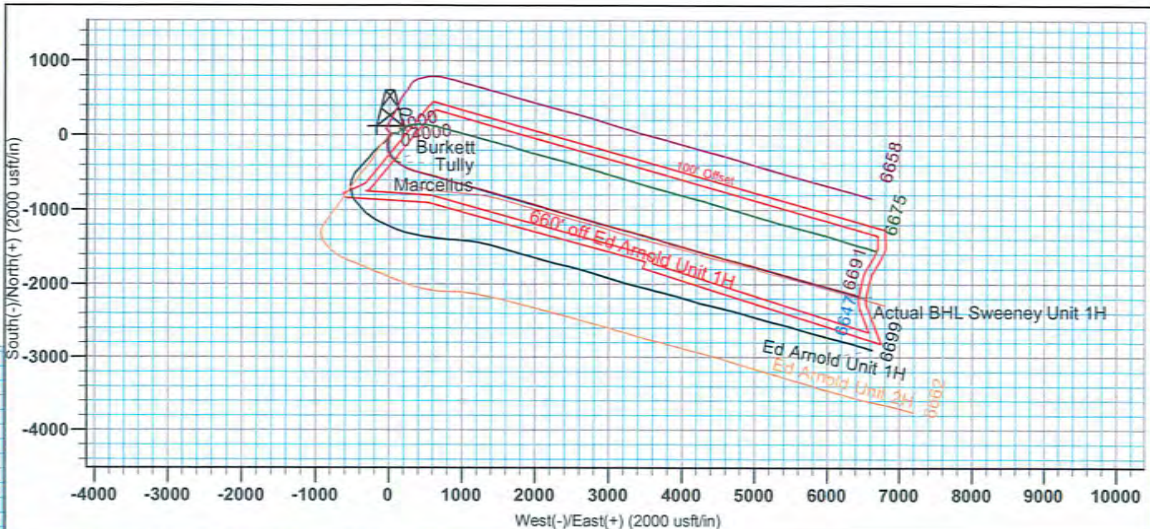
To convert Magnetic North to Grid, Subtract 8.63°  
 To convert True North to Grid, Subtract 0.16°

Azimuths to Grid North  
 True North: -0.17°  
 Magnetic North: -8.63°

Magnetic Field  
 Strength: 52522.3snT  
 Dip Angle: 67.03°  
 Date: 1/8/2013  
 Model: IGRF2010

**LEGEND**

- Thorlkidson Unit 1H, Original Wellpath, As Drilled V0
- Ed Arnold Unit 1H, Original Wellpath, Original Wellpath V0
- Sweeney Unit 2H, Original Wellpath, Original Wellpath V0
- Ed Arnold Unit 2H, Original Wellpath, Original Wellpath V0
- Sweeney Unit 1H, Original Wellpath, Plan 4 V0
- Original Wellpath



**DESIGN TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL Sweeney Unit 1H	0.0	0.0	0.0	14306193.85	1713795.42	39° 23' 45.296 N	80° 44' 24.943 W
Actual BHL Sweeney Unit 1H	6647.3	-2172.3	6440.8	14304021.58	1720236.17	39° 23' 23.626 N	80° 43' 2.957 W
SHL (UTM meters)				4,360,755m	522,389m		
BHL (UTM meters)				4,360,101m	524,313m		

**SITE DETAILS:** Ed Arnold Pad  
 Ed Arnold Pad McElroy District  
 Site Centre Northing: 14306188.32  
 Easting: 1713823.50  
 Positional Uncertainty: 2.0  
 Convergence: 0.16  
 Local North: Grid

**PROJECT DETAILS:** Tyler 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

Genie Lightfoot  
 13:26, September 09 2013

Scientific Drilling  
 421 South Eagle Lane  
 Oklahoma City, OK

