

**Antero Resources**  
**Costlow Unit 1H**  
**Doddridge County WV**  
 Northing: 14295936.28  
 Easting: 1712856.78  
 As Drilled

**WELL DETAILS:** Costlow Unit 1H

+N/-S	+E/-W	Northing	Ground Level:	1157.0
0.0	0.0	14295936.28	Easting	1712856.78
			Latitude	39° 22' 3.901" N80°

**PROJECT DETAILS:** Doddridge County WV

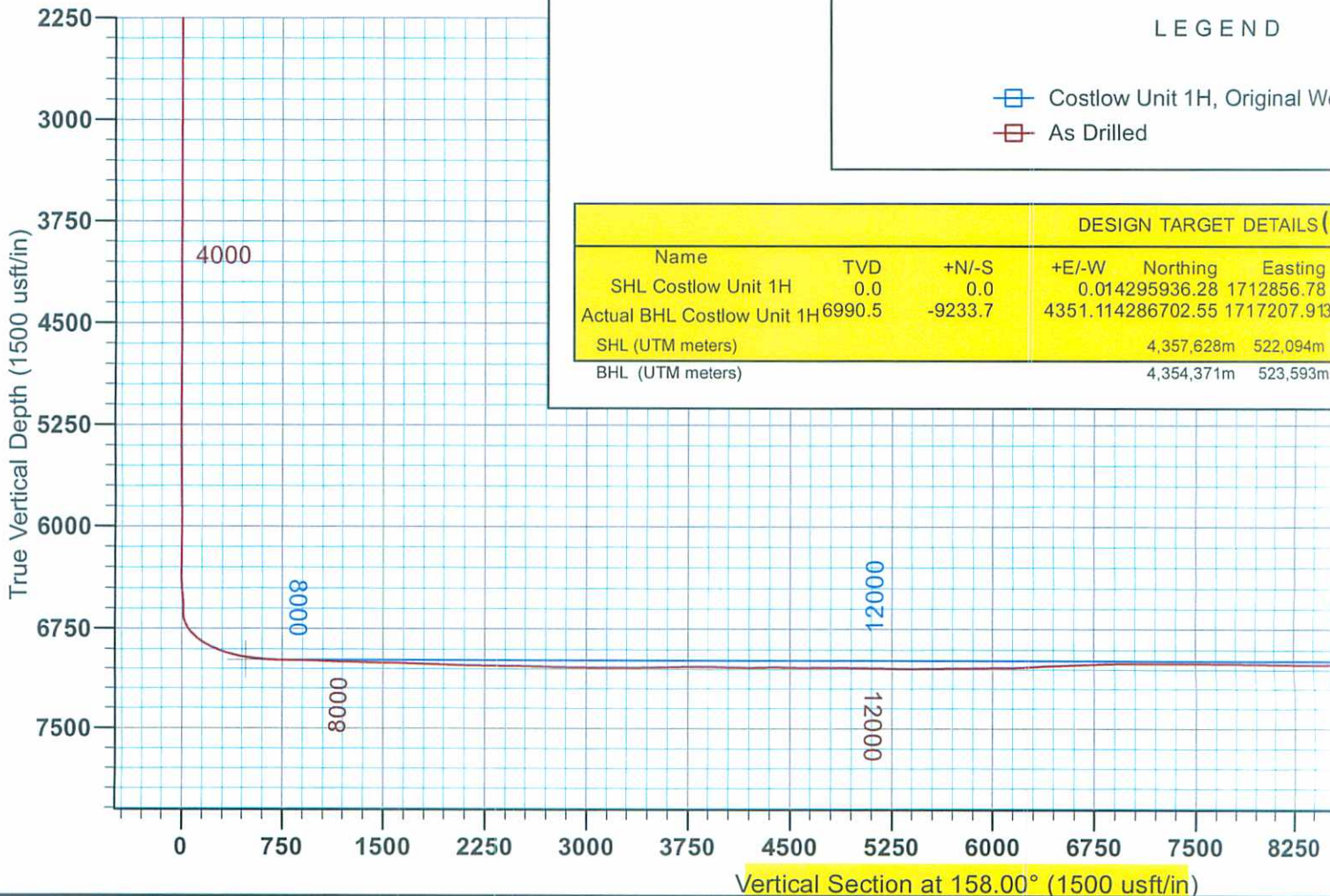
Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Zone 17N (84 W to 78 W)  
 System Datum: Mean Sea Level

REI  
 Co-ordinate (N/E)  
 Vertical (TVD)  
 Section (VS)  
 Measured Depth  
 Calculation



**LEGEND**

- Costlow Unit 1H, Original Well
- As Drilled



		DESIGN TARGET DETAILS (ft)			
Name	TVD	+N/-S	+E/-W	Northing	Easting
SHL Costlow Unit 1H	0.0	0.0	0.014295936.28	1712856.78	
Actual BHL Costlow Unit 1H	6990.5	-9233.7	4351.114286702.55	1717207.913	
SHL (UTM meters)			4,357,628m	522,094m	
BHL (UTM meters)			4,354,371m	523,593m	

04/29/2022

17-06194

Longitude Slot  
44' 37.275 W

REFERENCE INFORMATION  
Reference: Well Costlow Unit 1H, Grid North  
Reference: Costlow Unit 1H 1157' GL + 19' RKB @ 1176.0usft (Original Well Elev)  
Reference: Slot - (0.0N, 0.0E)  
Reference: Costlow Unit 1H 1157' GL + 19' RKB @ 1176.0usft (Original Well Elev)  
Method: Minimum Curvature

Genie Lightfoot  
14:12, July 29 2013

Scientific Drilling  
421 South Eagle Lane  
Oklahoma City, OK

Wellpath, Plan 4 V0

NAD 83)

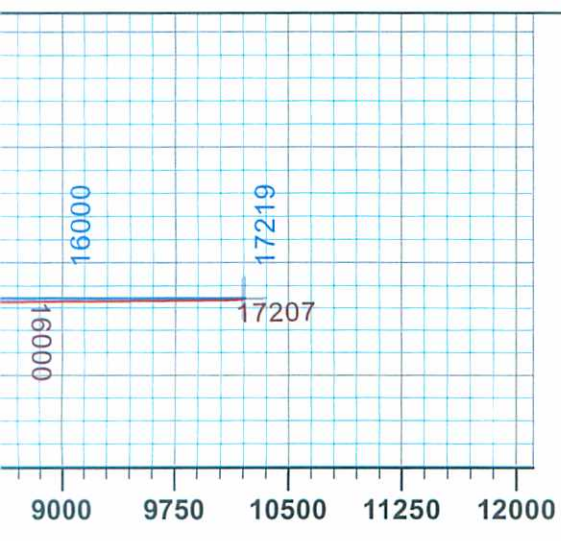
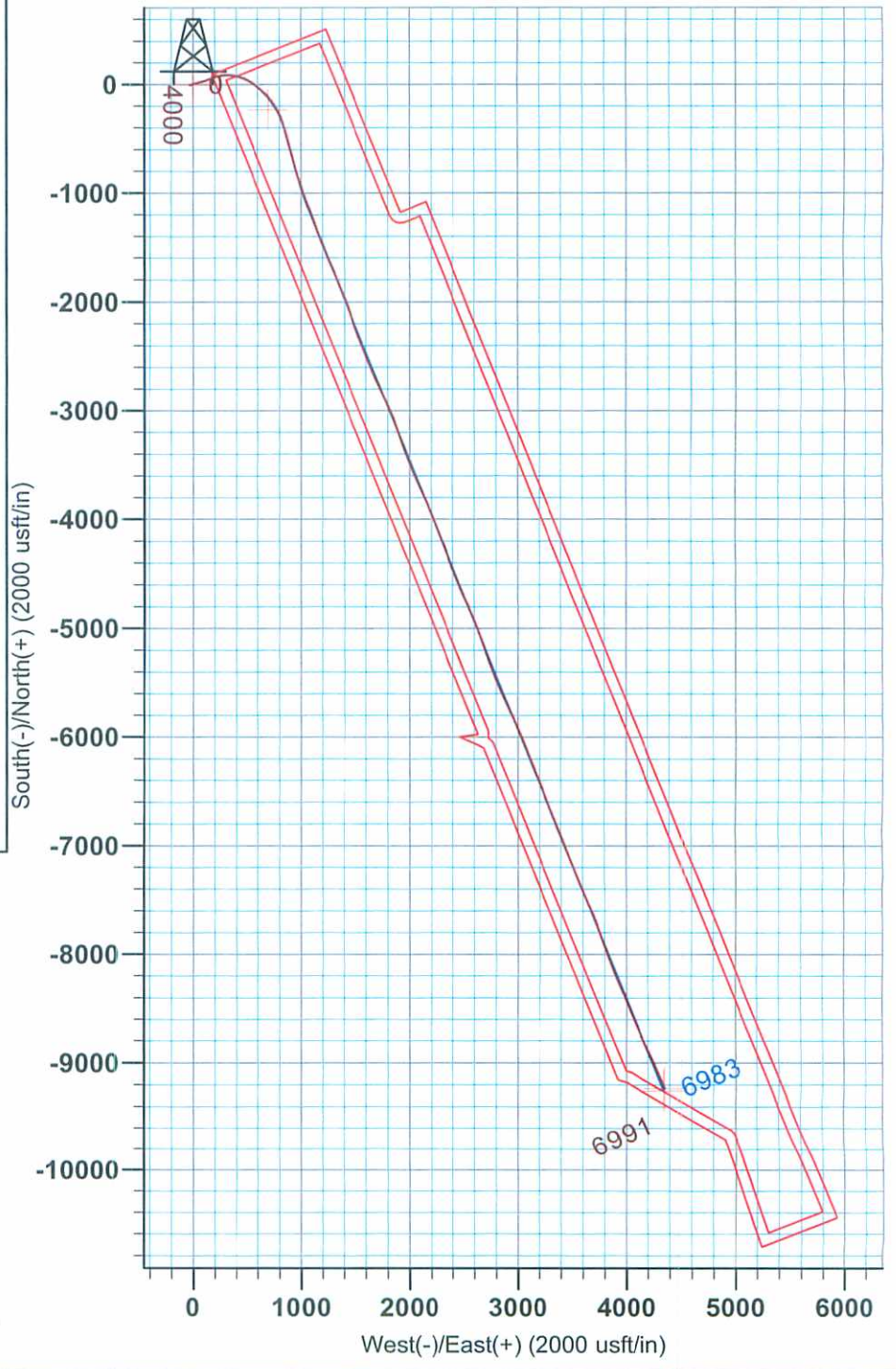
Latitude	Longitude
39° 22' 3.901 N 80° 44' 37.275 W	
39° 20' 32.477 N 80° 43' 42.205 W	



To convert Magnetic North to Grid, Subtract 8.64°  
To convert True North to Grid, Subtract 0.16°

Azimuths to Grid North  
True North: -0.16°  
Magnetic North: -8.64°

Magnetic Field  
Strength: 52453.4snT  
Dip Angle: 66.96°  
Date: 6/11/2013  
Model: IGRF2010



04/29/2022