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FEB 11 2014

Antero Resources
Central Unit 2H
Doddridge County WV
Northings: 14270959.75
Eastings: 1688774.72
As Drilled



WV GEOLOGICAL SURVEY
MORGANTOWN, WV



Adjusted to Grid North
 True North: -0.11°
 Magnetic North: -8.51°
 Magnetic Field
 Strength: 0.2632 Gauss
 Date: 5/8/2013
 Model: IGRF2010

Coordinate (NED) Reference: West Central Unit 2H, Old Well, @ 1180.00' (Original Well Elev)
 Vertical (NED) Reference: Central Unit 2H, Old Well, @ 27.00' (Original Well Elev)
 Horizontal (NED) Reference: Central Unit 2H, Old Well, @ 1180.00' (Original Well Elev)
 Vertical (NED) Reference: Central Unit 2H, Old Well, @ 27.00' (Original Well Elev)
 Horizontal (NED) Reference: Central Unit 2H, Old Well, @ 1180.00' (Original Well Elev)

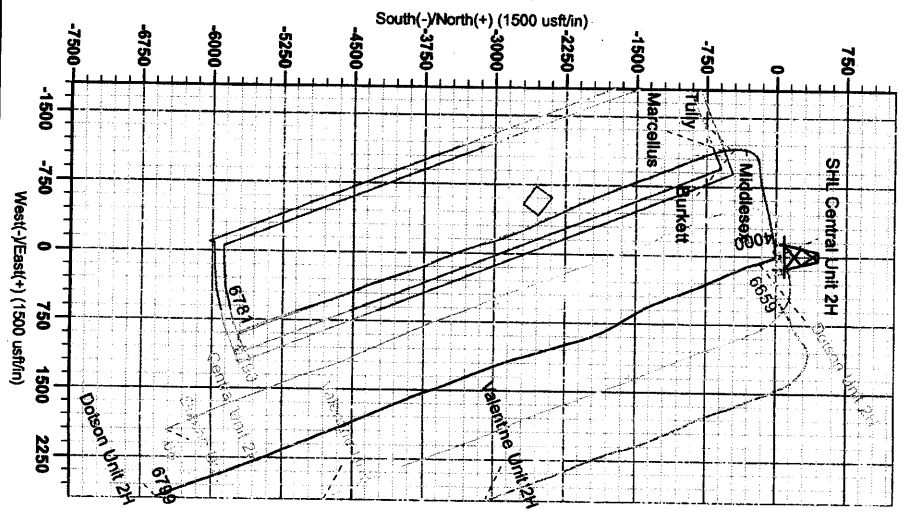
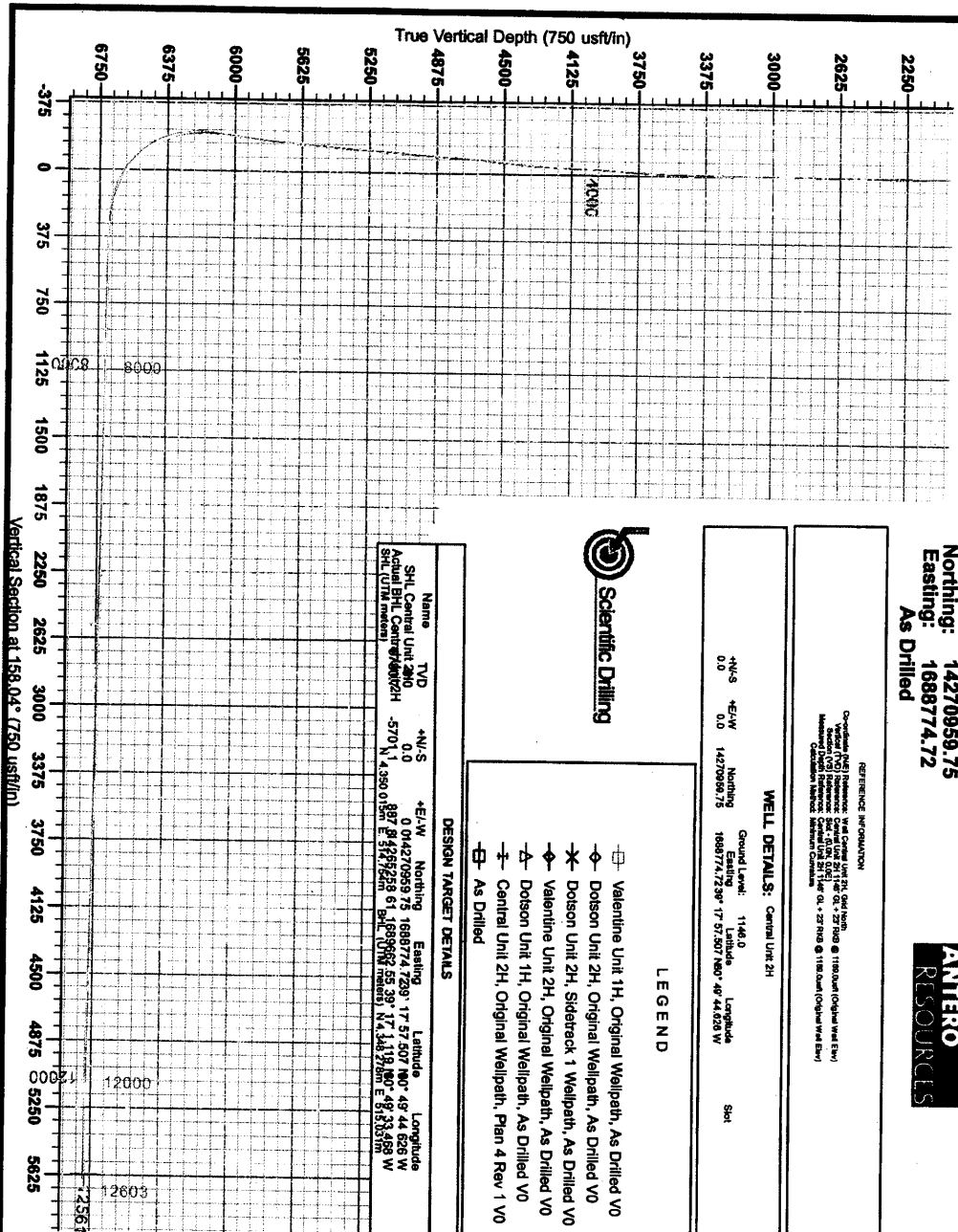
WELL DETAILS: Central Unit 2H

Ground Level:	1148.0	Shut
N/S	0.0	
E/W	0.0	
Northings	14270959.75	
Eastings	1688774.72	
Latitude	39° 17' 57.507" N	48° 44.623" W

- LEGEND**
- ◇ Valentine Unit 1H, Original Wellpath, As Drilled VO
 - ◇ Dotson Unit 2H, Original Wellpath, As Drilled VO
 - ✱ Dotson Unit 2H, Sidetrack 1 Wellpath, As Drilled VO
 - ◇ Valentine Unit 2H, Original Wellpath, As Drilled VO
 - △ Dotson Unit 1H, Original Wellpath, As Drilled VO
 - ⊖ Central Unit 2H, Original Wellpath, Plan 4 Rev 1 VO
 - ⊖ As Drilled

DESIGN TARGET DETAILS

Name	TVD	+N/S	+E/W	Northings	Eastings	Latitude	Longitude
SHL Central Unit 2H	240	0.0	0	014270959.75	1688774.72	39° 17' 57.507" N	48° 44.623" W
Actual BH, Central Unit 2H	760	-570'	1'	897.4255258	61.1899882	55.39° 17' 3.878" N	48° 33.489" W
SHL (118 meters)				14350.015m	61.1899882	55.39° 17' 3.878" N	48° 33.489" W
SHL (118 meters)				897.4255258	61.1899882	55.39° 17' 3.878" N	48° 33.489" W



Vertical Section at 158.04° (750 usf/in)