

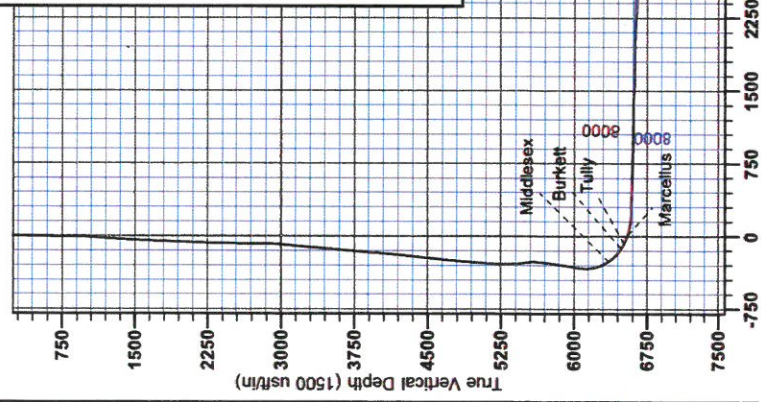
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WV GEOLOGICAL SURVEY
MORGANTOWN, WV



Antero Resources
Hayden Unit 2H
Doddridge County WV
Northing: 14247215.38
Easting: 1685689.56
As Drilled



Vertical Section at 334.55° (1500 usft/m)

WELL DETAILS: Hayden Unit 2H
Ground Level: 1033.0
Easting: 1685689.56
Northing: 14247215.38
Longitude: 80° 50' 24.420 W
Slit

REFERENCE INFORMATION
Geographic NAD Reference: WGS 84 (NAD 83)
Vertical (VD) Reference: 1988 Haydens Unit (1988 US ZONE) (1077.000)
Horizontal (HD) Reference: 1988 Haydens Unit (1988 US ZONE) (1077.000)
Magnetic Field Reference: IGRF2010
Magnetic Declination Method: Mean Sea Level

PROJECT DETAILS: Doddridge County WV
Geologic System: Unshaded Thompson Member (US Survey Feet)
District: MAD (SEZ) (NADCON CONUS)
Etiopole: Clark 1988
Zone: Zone 17N (84 W to 78 W)
System Datum: Mean Sea Level

LEGEND

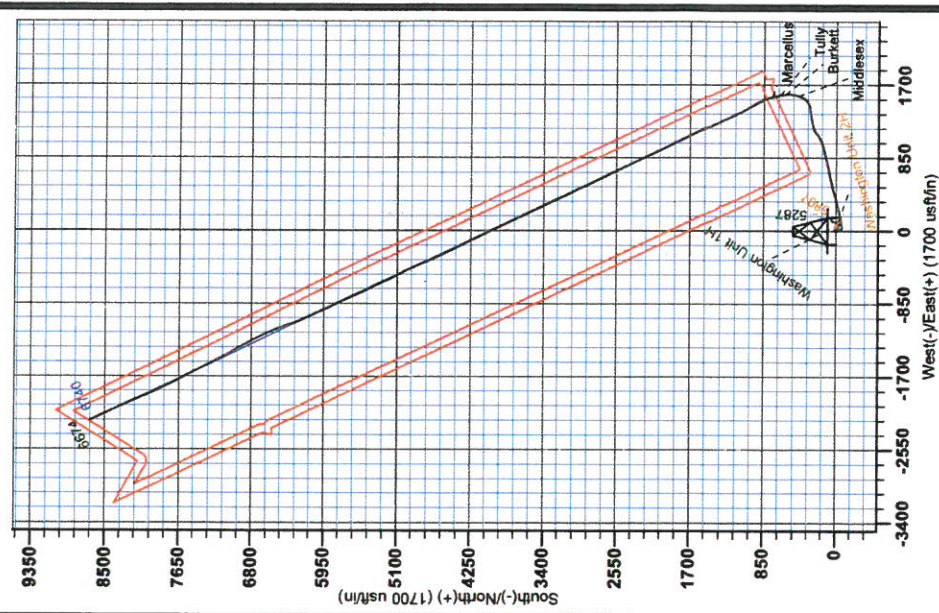
- Washington Unit 1H, Original Wellpath, As Drilled V0
- ◇ Washington Unit 2H, Original Wellpath, As Drilled V0
- Hayden Unit 2H, Original Wellpath, Plan 10 V0
- As Drilled

DESIGN TARGET DETAILS

Name	TVD	+N/S	+E/W	Northing	Easting	Latitude	Longitude
SHL Hayden Unit 2H	0.0	0.0	0.0	074247215.38	1685689.56	39° 14' 27.86 N	80° 50' 24.420 W
Actual BHL Hayden Unit 2H	6873.8	8664.9	-22.11	714255860.24	1663477.93	15° 28' 49.91 N	50° 52' 33.53 W

To convert Magnetic North to Grid, Subtract 8.51°
To convert True North to Grid, Subtract 0.10°

Magnetic Field
Strength: 53.00 uT
Dip: 68.80°
Date: 3/5/2014
Model: IGRF2010





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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Antero Resources

Doddridge County WV

Fritz Pad: Hayden/Washington/Sheep/Hileman

Hayden Unit 2H

Original Wellpath

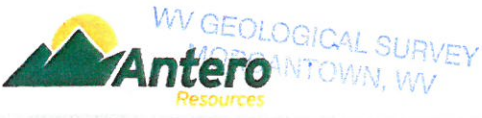
Design: As Drilled

EOW Completion Report

11 August, 2014



JUL 27 2015



EOW Completion Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Hayden Unit 2H
Project:	Doddridge County WV	TVD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Site:	Fritz Pad: Hayden/Washington/Sheep/Hileman	MD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Well:	Hayden Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Oklahoma District

Project	Doddridge County WV, McClellan District		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 17N (84 W to 78 W)		

Site	Fritz Pad: Hayden/Washington/Sheep/Hileman				
Site Position:		Northing:	14,247,222.50 usft	Latitude:	39° 14' 2.856 N
From:	Map	Easting:	1,685,696.44 usft	Longitude:	80° 50' 24.332 W
Position Uncertainty:	2.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.10 °

Well	Hayden Unit 2H, Marcellus					
Well Position	+N/-S	0.0 usft	Northing:	14,247,215.38 usft	Latitude:	39° 14' 2.786 N
	+E/-W	0.0 usft	Easting:	1,685,689.56 usft	Longitude:	80° 50' 24.420 W
Position Uncertainty		2.0 usft	Wellhead Elevation:	1,077.0 usft	Ground Level:	1,053.0 usft

Wellbore	Original Wellpath				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/5/2014	-8.41	66.80	52,308

Design	As Drilled				
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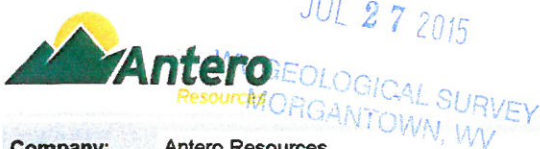
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
		0.0	0.0	0.0	334.55

Survey Program	Date 8/11/2014				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
113.0	2,592.1	Survey #2 Def Gyro to Intermediate (Origir	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper	
2,613.0	5,588.4	Survey #4 Def Gyro to KOP (Original Well	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper	
5,699.0	15,888.0	Survey #5 MWD (Original Wellpath)	MWD SDI	MWD - Standard ver 1.0.1	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
113.0	0.66	109.10	113.0	-0.2	0.6	-0.5	0.58
213.0	0.65	107.50	213.0	-0.6	1.7	-1.2	0.02
313.0	0.55	109.72	313.0	-0.9	2.7	-2.0	0.10
413.0	0.64	126.09	413.0	-1.4	3.6	-2.8	0.19
513.0	0.76	110.08	513.0	-2.0	4.7	-3.8	0.23
613.0	0.65	106.05	613.0	-2.3	5.8	-4.6	0.12
713.0	0.67	107.60	713.0	-2.7	6.9	-5.4	0.03
813.0	0.72	116.38	813.0	-3.1	8.1	-6.3	0.12
913.0	1.26	151.92	912.9	-4.4	9.1	-7.9	0.79

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EOW Completion Report



Company: Antero Resources	Local Co-ordinate Reference: Well Hayden Unit 2H
Project: Doddridge County WV	TVD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Site: Fritz Pad: Hayden/Washington/Sheep/Hileman	MD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Well: Hayden Unit 2H	North Reference: Grid
Wellbore: Original Wellpath	Survey Calculation Method: Minimum Curvature
Design: As Drilled	Database: Oklahoma District

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
1,013.0	2.19	166.48	1,012.9	-7.2	10.1	-10.8	1.02
1,113.0	4.34	180.40	1,112.7	-12.8	10.5	-16.1	2.28
1,213.0	4.99	181.37	1,212.4	-21.0	10.4	-23.4	0.65
1,313.0	3.94	173.21	1,312.1	-28.7	10.7	-30.5	1.22
1,413.0	2.99	165.49	1,411.9	-34.7	11.8	-36.4	1.06
1,513.0	2.66	163.46	1,511.8	-39.4	13.1	-41.2	0.34
1,613.0	2.62	165.07	1,611.7	-43.9	14.3	-45.8	0.08
1,713.0	2.54	160.61	1,711.6	-48.2	15.6	-50.2	0.22
1,813.0	2.46	154.65	1,811.5	-52.2	17.3	-54.6	0.27
1,913.0	2.18	153.51	1,911.4	-55.8	19.1	-58.6	0.28
2,013.0	2.05	153.20	2,011.3	-59.1	20.7	-62.3	0.13
2,113.0	1.84	151.60	2,111.3	-62.1	22.3	-65.7	0.22
2,213.0	1.60	145.52	2,211.2	-64.7	23.8	-68.7	0.30
2,313.0	1.47	140.44	2,311.2	-66.8	25.5	-71.3	0.19
2,413.0	1.24	139.58	2,411.2	-68.6	27.0	-73.6	0.23
2,513.0	1.32	139.97	2,511.1	-70.4	28.4	-75.7	0.08
2,592.1	1.11	145.00	2,590.2	-71.7	29.4	-77.4	0.30
2,613.0	1.10	137.42	2,611.1	-72.0	29.7	-77.8	0.70
2,713.0	2.70	69.17	2,711.1	-71.9	32.5	-78.9	2.51
2,813.0	5.22	69.06	2,810.8	-69.4	39.0	-79.4	2.52
2,913.0	10.06	74.25	2,909.9	-65.4	51.7	-81.3	4.88
3,013.0	14.34	83.84	3,007.6	-61.7	72.4	-86.8	4.72
3,113.0	17.87	83.47	3,103.7	-58.6	100.0	-95.9	3.53
3,213.0	18.98	81.30	3,198.6	-54.4	131.3	-105.5	1.30
3,313.0	20.94	75.80	3,292.6	-47.6	164.7	-113.7	2.71
3,413.0	24.34	75.32	3,384.8	-38.0	201.9	-121.1	3.40
3,513.0	26.39	76.08	3,475.2	-27.4	243.5	-129.4	2.08
3,613.0	26.24	76.82	3,564.8	-17.0	286.6	-138.5	0.36
3,713.0	26.25	74.79	3,654.5	-6.2	329.4	-147.1	0.90
3,813.0	25.49	74.06	3,744.5	5.5	371.4	-154.6	0.82
3,913.0	24.77	73.09	3,835.0	17.5	412.2	-161.3	0.83
4,013.0	25.24	72.13	3,925.7	30.2	452.5	-167.2	0.62
4,113.0	25.50	74.42	4,016.0	42.5	493.5	-173.7	1.01
4,213.0	25.61	77.31	4,106.3	53.0	535.4	-182.2	1.25
4,313.0	24.71	77.03	4,196.8	62.5	576.8	-191.5	0.91
4,413.0	24.75	78.04	4,287.6	71.5	617.7	-200.9	0.42
4,513.0	25.31	78.72	4,378.2	80.0	659.1	-211.0	0.63
4,613.0	24.92	78.46	4,468.7	88.4	700.7	-221.3	0.41
4,713.0	25.21	77.29	4,559.3	97.3	742.1	-231.0	0.57
4,813.0	25.78	75.49	4,649.6	107.5	784.0	-239.9	0.96
4,913.0	26.57	76.02	4,739.3	118.3	826.7	-248.4	0.82
5,013.0	24.98	75.49	4,829.4	129.0	868.9	-256.9	1.61
5,113.0	24.32	75.70	4,920.3	139.4	909.3	-264.9	0.67
5,213.0	23.86	76.44	5,011.6	149.2	948.9	-273.0	0.55
5,313.0	24.47	73.52	5,102.8	159.8	988.4	-280.4	1.34

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EOW Completion Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Hayden Unit 2H
Project:	Doddridge County WV	TVD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Site:	Fritz Pad: Hayden/Washington/Sheep/Hileman	MD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Well:	Hayden Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
5,413.0	23.68	69.13	5,194.1	172.9	1,027.0	-285.3	1.96
5,513.0	22.53	62.39	5,286.1	188.9	1,062.8	-286.1	2.88
5,588.4	20.35	60.72	5,356.3	202.0	1,087.0	-284.7	3.00
5,699.0	23.06	52.01	5,459.1	224.7	1,120.9	-278.7	3.80
5,730.0	23.95	47.81	5,487.5	232.7	1,130.3	-275.6	6.12
5,762.0	24.18	45.09	5,516.7	241.7	1,139.8	-271.5	3.54
5,793.0	23.91	50.95	5,545.0	250.1	1,149.1	-267.9	7.75
5,825.0	23.51	58.99	5,574.3	257.5	1,159.7	-265.8	10.17
5,856.0	23.92	65.39	5,602.7	263.3	1,170.7	-265.3	8.40
5,888.0	24.81	71.37	5,631.9	268.2	1,182.9	-266.2	8.19
5,915.0	26.98	73.72	5,656.2	271.7	1,194.2	-267.8	8.89
5,950.0	29.28	74.58	5,687.0	276.2	1,210.1	-270.6	6.67
5,982.0	31.50	76.82	5,714.6	280.2	1,225.7	-273.7	7.79
6,013.0	31.62	77.78	5,741.0	283.8	1,241.6	-277.3	1.67
6,045.0	31.20	77.53	5,768.3	287.3	1,257.9	-281.1	1.37
6,076.0	31.92	78.22	5,794.8	290.7	1,273.7	-284.8	2.60
6,107.0	31.96	78.67	5,821.1	294.0	1,289.8	-288.8	0.78
6,139.0	31.40	78.28	5,848.3	297.4	1,306.3	-292.8	1.86
6,170.0	31.82	79.23	5,874.7	300.5	1,322.2	-296.8	2.10
6,201.0	32.53	80.58	5,900.9	303.4	1,338.4	-301.2	3.26
6,233.0	32.26	80.75	5,928.0	306.2	1,355.4	-305.9	0.89
6,264.0	31.67	80.18	5,954.3	308.9	1,371.5	-310.4	2.14
6,296.0	31.41	79.65	5,981.5	311.9	1,388.0	-314.9	1.19
6,327.0	32.16	79.47	6,007.9	314.8	1,404.1	-319.1	2.44
6,358.0	32.19	79.48	6,034.1	317.8	1,420.3	-323.4	0.10
6,390.0	31.74	78.90	6,061.3	321.0	1,437.0	-327.6	1.70
6,421.0	32.16	74.87	6,087.6	324.7	1,452.9	-331.1	7.01
6,453.0	34.20	68.40	6,114.4	330.3	1,469.5	-333.3	12.76
6,484.0	34.69	60.93	6,139.9	337.8	1,485.3	-333.3	13.71
6,516.0	33.85	54.96	6,166.4	347.3	1,500.6	-331.2	10.82
6,547.0	32.96	48.20	6,192.3	357.9	1,514.0	-327.4	12.34
6,578.0	31.24	42.12	6,218.6	369.5	1,525.6	-322.0	11.80
6,610.0	30.13	35.76	6,246.1	382.2	1,535.9	-314.9	10.71
6,641.0	31.91	28.56	6,272.7	395.7	1,544.4	-306.4	13.27
6,673.0	34.81	25.10	6,299.4	411.4	1,552.3	-295.6	10.84
6,704.0	37.83	22.57	6,324.4	428.2	1,559.7	-283.6	10.87
6,735.0	41.40	19.83	6,348.2	446.6	1,566.8	-270.0	12.82
6,748.0	42.81	18.68	6,357.9	454.8	1,569.7	-263.8	12.36
Middlesex							
6,767.0	44.89	17.11	6,371.6	467.3	1,573.7	-254.3	12.36
6,798.0	47.12	14.00	6,393.1	488.8	1,579.7	-237.4	10.19
6,830.0	49.60	9.93	6,414.4	512.2	1,584.6	-218.4	12.26
6,861.0	51.50	4.98	6,434.1	535.9	1,587.7	-198.4	13.77
6,892.0	53.93	359.99	6,452.9	560.6	1,588.8	-176.6	15.01



EOW Completion Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Hayden Unit 2H
Project:	Doddridge County WV	TVD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Site:	Fritz Pad: Hayden/Washington/Sheep/Hileman	MD Reference:	P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Well:	Hayden Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
6,924.0	57.33	356.58	6,470.9	587.0	1,588.0	-152.4	13.79
6,951.0	59.31	354.56	6,485.1	609.9	1,586.2	-130.9	9.72
Burkett							
6,955.0	59.61	354.27	6,487.1	613.3	1,585.9	-127.7	9.72
6,986.0	62.13	351.67	6,502.2	640.2	1,582.5	-102.0	10.94
7,013.0	65.39	350.14	6,514.2	664.1	1,578.7	-78.8	13.08
Tully							
7,018.0	65.99	349.87	6,516.2	668.6	1,577.9	-74.4	13.08
7,049.0	68.36	348.69	6,528.3	696.6	1,572.6	-46.8	8.41
7,081.0	70.66	347.20	6,539.5	725.9	1,566.3	-17.6	8.41
7,112.0	73.41	346.26	6,549.0	754.6	1,559.6	11.2	9.33
Marcellus							
7,143.0	75.54	344.53	6,557.3	783.5	1,552.0	40.6	8.72
7,175.0	76.67	342.58	6,565.0	813.3	1,543.2	71.2	6.89
7,206.0	78.74	338.70	6,571.6	841.9	1,533.2	101.3	13.93
7,237.0	80.34	334.68	6,577.2	869.9	1,521.1	131.8	13.76
7,269.0	81.57	332.91	6,582.3	898.2	1,507.2	163.4	6.68
7,300.0	84.82	331.85	6,585.9	925.5	1,492.9	194.2	11.02
7,331.0	88.79	330.35	6,587.7	952.6	1,478.0	225.0	13.69
7,363.0	90.84	330.57	6,587.8	980.4	1,462.2	257.0	6.44
7,423.0	90.47	329.43	6,587.1	1,032.4	1,432.2	316.8	2.00
7,517.0	86.94	331.83	6,589.2	1,114.3	1,386.1	410.5	4.54
7,611.0	86.51	334.77	6,594.6	1,198.1	1,343.9	504.3	3.16
7,706.0	87.58	335.07	6,599.5	1,284.0	1,303.7	599.2	1.17
7,800.0	88.82	335.46	6,602.4	1,369.4	1,264.4	693.1	1.38
7,894.0	88.52	335.31	6,604.6	1,454.8	1,225.3	787.1	0.36
7,988.0	88.22	335.00	6,607.3	1,540.1	1,185.8	881.0	0.46
8,082.0	90.10	334.71	6,608.7	1,625.1	1,145.9	975.0	2.02
8,176.0	90.54	334.17	6,608.1	1,709.9	1,105.3	1,069.0	0.74
8,271.0	89.80	333.42	6,607.9	1,795.2	1,063.3	1,164.0	1.11
8,365.0	89.29	333.13	6,608.6	1,879.1	1,021.1	1,258.0	0.62
8,459.0	87.34	330.14	6,611.4	1,961.8	976.4	1,351.8	3.80
8,553.0	87.25	333.87	6,615.8	2,044.7	932.4	1,445.6	3.96
8,647.0	87.25	335.66	6,620.3	2,129.6	892.4	1,539.5	1.90
8,742.0	89.70	337.11	6,622.8	2,216.6	854.3	1,634.4	3.00
8,836.0	89.06	334.73	6,623.9	2,302.4	816.0	1,728.4	2.62
8,930.0	88.62	333.34	6,625.8	2,386.9	774.8	1,822.3	1.55
9,024.0	89.53	333.85	6,627.3	2,471.1	733.0	1,916.3	1.11
9,118.0	89.53	333.11	6,628.1	2,555.2	691.1	2,010.3	0.79
9,212.0	86.37	333.54	6,631.4	2,639.1	648.9	2,104.2	3.39
9,306.0	85.84	334.02	6,637.8	2,723.3	607.5	2,198.0	0.76
9,401.0	85.94	333.92	6,644.6	2,808.4	565.9	2,292.7	0.15
9,495.0	88.02	335.23	6,649.6	2,893.2	525.6	2,386.6	2.61
9,589.0	89.70	335.98	6,651.4	2,978.8	486.8	2,480.5	1.96
9,683.0	89.90	334.38	6,651.8	3,064.1	447.3	2,574.5	1.72



EOW Completion Report



Company: Antero Resources
Project: Doddridge County WV
Site: Fritz Pad: Hayden/Washington/Sheep/Hileman
Well: Hayden Unit 2H
Wellbore: Original Wellpath
Design: As Drilled

Local Co-ordinate Reference: Well Hayden Unit 2H
TVD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
MD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
9,777.0	89.90	334.08	6,651.9	3,148.7	406.4	2,668.5	0.32
9,871.0	91.11	334.61	6,651.1	3,233.5	365.7	2,762.5	1.41
9,966.0	90.44	333.34	6,649.8	3,318.8	324.1	2,857.5	1.51
10,060.0	90.37	334.75	6,649.1	3,403.3	282.9	2,951.5	1.50
10,154.0	86.91	334.37	6,651.4	3,488.2	242.6	3,045.5	3.70
10,246.0	87.65	335.23	6,655.7	3,571.3	203.4	3,137.4	1.23
10,339.0	87.62	335.62	6,659.6	3,655.8	164.8	3,230.3	0.42
10,430.0	88.79	334.64	6,662.4	3,738.4	126.5	3,321.2	1.68
10,521.0	89.87	334.84	6,663.5	3,820.6	87.7	3,412.2	1.21
10,613.0	89.87	334.10	6,663.7	3,903.7	48.1	3,504.2	0.80
10,704.0	88.86	332.67	6,664.7	3,985.0	7.3	3,595.2	1.92
10,796.0	89.33	334.88	6,666.2	4,067.5	-33.3	3,687.1	2.46
10,887.0	89.70	334.47	6,666.9	4,149.8	-72.3	3,778.1	0.61
10,978.0	90.60	335.02	6,666.7	4,232.1	-111.1	3,869.1	1.16
11,069.0	89.19	333.25	6,666.9	4,314.0	-150.8	3,960.1	2.49
11,160.0	90.74	334.49	6,666.9	4,395.7	-190.9	4,051.1	2.18
11,251.0	90.44	333.82	6,666.0	4,477.5	-230.5	4,142.1	0.81
11,345.0	90.60	333.65	6,665.1	4,561.8	-272.1	4,236.1	0.25
11,439.0	89.16	334.77	6,665.3	4,646.5	-313.0	4,330.1	1.94
11,533.0	89.93	336.39	6,666.1	4,732.1	-351.9	4,424.1	1.91
11,627.0	92.12	336.40	6,664.4	4,818.2	-389.5	4,518.0	2.33
11,721.0	91.14	334.90	6,661.7	4,903.8	-428.3	4,611.9	1.91
11,815.0	90.77	334.27	6,660.2	4,988.7	-468.6	4,705.9	0.78
11,909.0	89.80	332.64	6,659.7	5,072.7	-510.6	4,799.9	2.02
12,004.0	90.47	333.54	6,659.5	5,157.5	-553.6	4,894.9	1.18
12,098.0	91.41	335.26	6,657.9	5,242.2	-594.2	4,988.9	2.08
12,191.0	90.71	335.17	6,656.2	5,326.6	-633.2	5,081.8	0.76
12,286.0	89.40	333.38	6,656.1	5,412.2	-674.4	5,176.8	2.33
12,380.0	91.38	334.77	6,655.5	5,496.7	-715.5	5,270.8	2.57
12,474.0	90.50	334.85	6,653.9	5,581.8	-755.5	5,364.8	0.94
12,568.0	89.70	335.29	6,653.8	5,667.0	-795.1	5,458.8	0.97
12,662.0	88.99	334.54	6,654.8	5,752.2	-835.0	5,552.8	1.10
12,756.0	87.75	335.17	6,657.5	5,837.2	-874.9	5,646.7	1.48
12,850.0	88.32	335.30	6,660.7	5,922.5	-914.3	5,740.7	0.62
12,944.0	87.68	334.90	6,664.0	6,007.7	-953.8	5,834.6	0.80
13,038.0	90.40	337.30	6,665.6	6,093.6	-991.9	5,928.6	3.86
13,132.0	87.92	337.71	6,667.0	6,180.5	-1,027.8	6,022.4	2.67
13,226.0	88.86	339.39	6,669.6	6,267.9	-1,062.2	6,116.1	2.05
13,321.0	88.05	340.66	6,672.2	6,357.2	-1,094.6	6,210.7	1.59
13,415.0	85.33	338.88	6,677.6	6,445.2	-1,127.1	6,304.1	3.46
13,509.0	84.59	336.81	6,685.9	6,531.9	-1,162.4	6,397.6	2.33
13,603.0	89.60	337.41	6,690.6	6,618.4	-1,198.9	6,491.3	5.37
13,697.0	91.04	334.29	6,690.1	6,704.2	-1,237.3	6,585.3	3.66
13,792.0	91.54	330.83	6,688.0	6,788.4	-1,281.1	6,680.2	3.68
13,886.0	90.07	331.33	6,686.6	6,870.7	-1,326.6	6,774.0	1.65

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EOW Completion Report



Company: Antero Resources	Local Co-ordinate Reference: Well Hayden Unit 2H
Project: Doddridge County WV	TVD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Site: Fritz Pad: Hayden/Washington/Sheep/Hileman	MD Reference: P325 Hayden 2H 1053 GL + 24 KB @ 1077.0usft
Well: Hayden Unit 2H	North Reference: Grid
Wellbore: Original Wellpath	Survey Calculation Method: Minimum Curvature
Design: As Drilled	Database: Oklahoma District

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
13,980.0	90.57	332.53	6,686.1	6,953.6	-1,370.8	6,867.9	1.38
14,074.0	88.59	329.97	6,686.8	7,036.0	-1,416.0	6,961.8	3.44
14,169.0	89.23	331.26	6,688.6	7,118.8	-1,462.6	7,056.5	1.52
14,263.0	91.58	334.21	6,687.9	7,202.3	-1,505.7	7,150.4	4.01
14,357.0	93.06	333.46	6,684.1	7,286.6	-1,547.1	7,244.4	1.76
14,451.0	89.70	331.66	6,681.9	7,370.0	-1,590.4	7,338.3	4.05
14,546.0	90.37	332.06	6,681.8	7,453.8	-1,635.2	7,433.1	0.82
14,639.0	90.37	330.55	6,681.2	7,535.4	-1,679.8	7,526.0	1.62
14,734.0	91.01	333.60	6,680.1	7,619.3	-1,724.3	7,620.9	3.28
14,828.0	91.31	333.44	6,678.2	7,703.4	-1,766.2	7,714.9	0.36
14,922.0	89.16	333.77	6,677.8	7,787.6	-1,808.0	7,808.8	2.31
15,016.0	89.40	333.55	6,679.0	7,871.8	-1,849.7	7,902.8	0.35
15,111.0	89.53	337.13	6,679.8	7,958.2	-1,889.3	7,997.8	3.77
15,205.0	89.66	335.73	6,680.5	8,044.3	-1,926.9	8,091.7	1.50
15,299.0	91.51	335.62	6,679.6	8,130.0	-1,965.6	8,185.7	1.97
15,393.0	91.21	335.75	6,677.3	8,215.6	-2,004.3	8,279.7	0.35
15,487.0	89.73	336.87	6,676.6	8,301.7	-2,042.1	8,373.6	1.97
15,581.0	90.64	336.56	6,676.2	8,388.0	-2,079.2	8,467.5	1.02
15,675.0	91.34	336.01	6,674.6	8,474.1	-2,117.0	8,561.5	0.95
15,769.0	89.43	332.75	6,674.0	8,558.8	-2,157.7	8,655.5	4.02
15,835.0	90.37	333.14	6,674.1	8,617.6	-2,187.7	8,721.4	1.54
15,888.0	90.37	333.14	6,673.8	8,664.9	-2,211.6	8,774.4	0.00

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
6,748.0	6,357.9	454.8	1,569.7	Middlesex
6,951.0	6,485.1	609.9	1,586.2	Burkett
7,013.0	6,514.2	664.1	1,578.7	Tully
7,112.0	6,549.0	754.6	1,559.6	Marcellus

Checked By: _____ Approved By: _____ Date: _____