

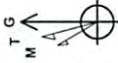


PATT 317: Fuego 2H 1318.GI • 22.5 KB @ 13:40:5udft
Gr. 1318.0

Fuego Unit 2H
Doddridge County WV
Northing: 14258787.13
Easting: 1754624.41
As Drilled



Scientific Drilling



Azimuths to Grid North
True North: 0.25°
Magnetic North: -8.84°
Magnetic Field
Strength: 52304.5uOT
Dip Angle: 66.80°
Date: 1/30/2014
Model: IGRF2010

To convert Magnetic North to Grid, Subtract 8.84°
To convert True North to Grid, Subtract 0.25°

SITE DETAILS: Rikk/Pratt/Blackwood/Irons
Site Center Rikk Unit 1H
Site Centre Northing: 14258782.29
Easting: 1754594.81
Positional Uncertainty: 2.0
Convergence: 0.26
Local North: Grid

Gene Lightfoot
15-15, July 10 2014
Scientific Drilling
421 South Engle Lane
Oklahoma City, OK 73128

WELL DETAILS Fuego Unit 2H
Ground Level: 1318.0
Northing: 14258787.13
Easting: 1754624.41
Latitude: 35° 47' 37.0" W
Longitude: 80° 34' 46.684" W

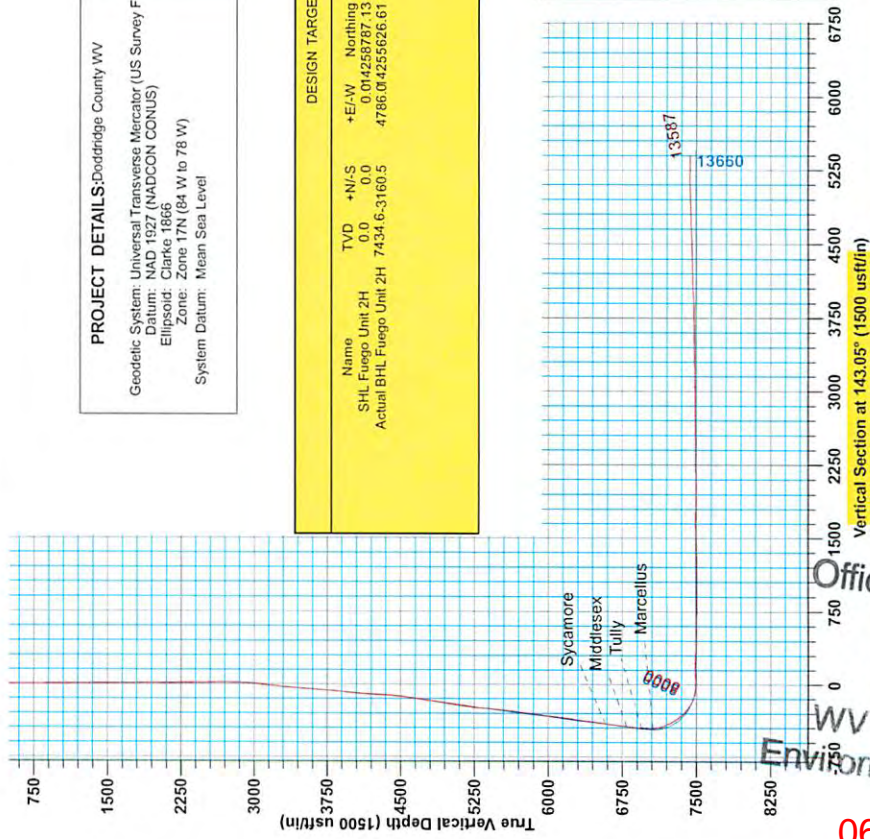
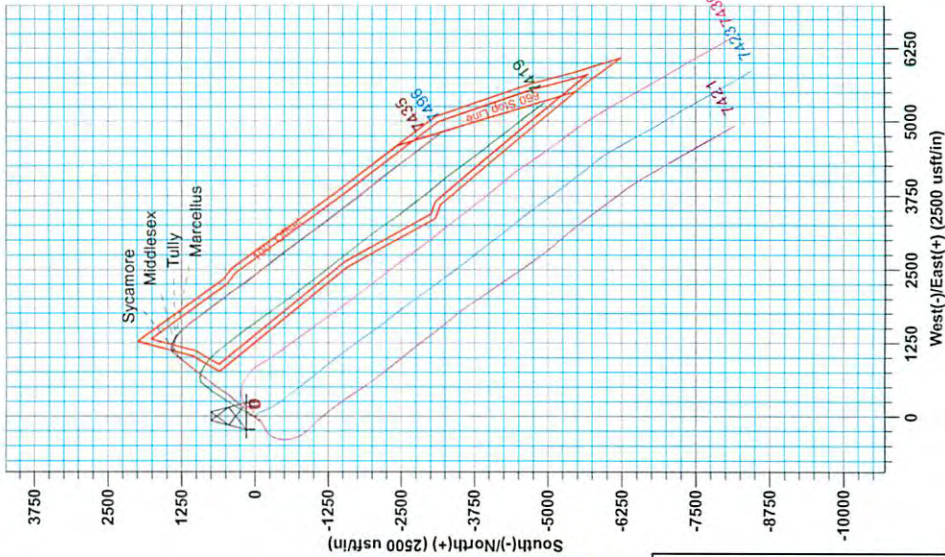
PROJECT DETAILS: Doddridge County WV
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Zone 17N (84 W to 78 W)
System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	+E/W	+N/S	TVD	+N/S	+E/W	Northing	Easting	Latitude	Longitude
SHL Fuego Unit 2H	0.0	0.0	0.0	0.0	0.0	14258787.13	1754624.41	35° 47' 37.0" W	80° 34' 46.684" W
Actual BHL Fuego Unit 2H	7434.6	-3160.5	4786.0	4255626.61	1759470.4239	15° 23' 61.8" N	80° 34' 46.684" W		

LEGEND

- Rikk Unit 1H, Original Wellpath, As Drilled V0
- Rikk Unit 2H, Original Wellpath, As Drilled V0
- Fuego Unit 1H, Original Wellpath, As Drilled V0
- Irons Unit 2H, Original Wellpath, As Drilled V0
- Fuego Unit 2H, Original Wellpath, Plan 5 V0
- As Drilled



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Antero Resources

Doddridge County WV
Rikk/Pratt/Blackwood/Irons
Fuego Unit 2H
Original Wellpath

Design: As Drilled

EOW Completion Report

10 July, 2014

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Company:	Antero Resources	Local Co-ordinate Reference:	Well Fuego Unit 2H
Project:	Doddridge County WV	TVD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Site:	Rikk/Pratt/Blackwood/Irons	MD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Well:	Fuego 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 Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 17N (84 W to 78 W)		

Site	Rikk/Pratt/Blackwood/Irons				
Site Position:		Northing:	14,258,782.29 usft	Latitude:	39° 15' 55.036 N
From:	Map	Easting:	1,754,594.81 usft	Longitude:	80° 35' 47.747 W
Position Uncertainty:	2.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.26 °

Well	Fuego Unit 2H, Marcellus					
Well Position	+N/-S	0.0 usft	Northing:	14,258,787.13 usft	Latitude:	39° 15' 55.083 N
	+E/-W	0.0 usft	Easting:	1,754,624.41 usft	Longitude:	80° 35' 47.370 W
Position Uncertainty		2.0 usft	Wellhead Elevation:	1,340.5 usft	Ground Level:	1,318.0 usft

Wellbore	Original Wellpath
-----------------	-------------------

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/30/2014	-8.58	66.80	52,305

Design	As Drilled
---------------	------------

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	143.05	

Survey Program	Date	7/10/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
109.5	5,507.5	Survey #4 Final Gyro (Original Wellpath)	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
5,532.0	13,587.0	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
109.5	0.43	37.18	109.5	0.3	0.2	-0.1	0.39
209.5	0.22	351.70	209.5	0.8	0.4	-0.4	0.32
309.5	0.05	277.53	309.5	1.0	0.4	-0.4	0.21
409.5	0.35	226.01	409.5	0.8	0.6	-0.6	0.32
509.5	0.32	226.67	509.5	0.4	-0.3	-0.5	0.03
609.5	0.41	210.42	609.5	-0.1	-0.7	-0.3	0.14
709.5	0.50	203.21	709.5	-0.8	-1.0	0.0	0.11
809.5	0.61	198.40	809.5	-1.7	-1.7	0.5	0.12
909.5	0.63	193.01	909.5	-2.8	-1.7	0.2	0.06
1,009.5	0.68	186.10	1,009.5	-3.9	-1.9	0.0	0.09

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Company:	Antero Resources	Local Co-ordinate Reference:	Well Fuego Unit 2H
Project:	Doddridge County WV	TVD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Site:	Rikk/Pratt/Blackwood/Irons	MD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Well:	Fuego Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Oklahoma District

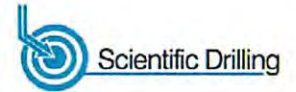
Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
1,109.5	0.66	188.65	1,109.5	-5.0	-2.0	2.8	0.04
1,209.5	0.64	191.63	1,209.5	-6.2	-2.2	3.6	0.04
1,309.5	0.69	196.95	1,309.5	-7.3	-2.5	4.3	0.08
1,409.5	0.86	199.39	1,409.4	-8.6	-2.9	5.1	0.17
1,509.5	0.86	193.97	1,509.4	-10.0	-3.4	6.0	0.08
1,609.5	0.70	191.64	1,609.4	-11.3	-3.7	6.8	0.16
1,709.5	0.76	205.66	1,709.4	-12.5	-4.1	7.6	0.19
1,809.5	0.75	213.63	1,809.4	-13.7	-4.7	8.1	0.11
1,909.5	0.99	215.05	1,909.4	-14.9	-5.6	8.6	0.24
2,009.5	1.08	210.68	2,009.4	-16.4	-6.6	9.2	0.12
2,109.5	1.02	206.37	2,109.4	-18.0	-7.4	10.0	0.10
2,209.5	1.03	197.29	2,209.3	-19.7	-8.1	10.9	0.16
2,309.5	0.95	182.69	2,309.3	-21.4	-8.4	12.0	0.26
2,409.5	0.92	178.05	2,409.3	-23.0	-8.4	13.3	0.08
2,509.5	1.09	188.30	2,509.3	-24.8	-8.5	14.7	0.25
2,609.5	1.13	188.55	2,609.3	-26.7	-8.8	16.0	0.04
2,709.5	1.08	184.38	2,709.3	-28.6	-9.0	17.4	0.09
2,809.5	1.53	16.43	2,809.3	-28.2	-8.7	17.3	2.60
2,909.5	5.52	10.95	2,909.0	-22.2	-7.4	13.3	4.00
3,009.5	9.48	6.04	3,008.2	-9.3	-5.6	4.1	4.01
3,109.5	12.09	15.42	3,106.4	9.0	-2.0	-8.4	3.14
3,209.5	14.33	23.99	3,203.8	30.4	5.8	-20.8	2.97
3,309.5	15.49	32.35	3,300.4	53.0	18.0	-31.5	2.44
3,409.5	16.45	36.93	3,396.5	75.6	33.7	-40.2	1.58
3,509.5	18.89	43.00	3,491.8	98.7	53.2	-46.9	3.05
3,609.5	21.58	45.16	3,585.7	123.5	77.3	-52.3	2.79
3,709.5	23.38	44.94	3,678.0	150.5	104.3	-57.6	1.80
3,809.5	24.72	38.82	3,769.4	180.9	131.5	-65.5	2.83
3,909.5	24.82	40.12	3,860.2	213.2	158.1	-75.4	0.55
4,009.5	23.33	40.88	3,951.5	244.3	184.6	-84.2	1.52
4,109.5	20.34	38.69	4,044.3	272.8	208.4	-92.7	3.10
4,209.5	19.78	39.05	4,138.2	299.5	229.9	-101.1	0.57
4,309.5	20.89	45.09	4,232.0	325.2	253.2	-107.7	2.37
4,409.5	22.36	45.90	4,325.0	351.1	279.5	-112.5	1.50
4,509.5	25.19	44.47	4,416.5	379.5	308.1	-118.1	2.89
4,609.5	26.75	38.11	4,506.4	412.4	336.9	-127.0	3.19
4,709.5	26.36	35.83	4,595.8	448.1	363.8	-139.4	1.09
4,809.5	25.42	34.61	4,685.8	483.8	389.0	-152.8	1.08
4,909.5	25.80	33.30	4,776.0	519.6	413.1	-166.9	0.68
5,009.5	25.28	32.74	4,866.2	555.8	436.6	-181.7	0.57
5,109.5	26.23	34.57	4,956.3	591.9	460.7	-196.1	1.24
5,209.5	26.07	33.28	5,046.0	628.5	485.3	-210.5	0.59
5,309.5	27.79	34.81	5,135.2	666.0	510.7	-225.3	1.85
5,409.5	25.37	37.27	5,224.6	702.2	536.9	-238.4	2.66

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 MAY 26 2015
 WV Department of Environmental Protection
 06/05/2015



EOW Completion Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Fuego Unit 2H
Project:	Doddridge County WV	TVD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Site:	Rikk/Pratt/Blackwood/Irons	MD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Well:	Fuego 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)	
5,507.5	22.51	41.42	5,314.2	733.0	562.1	-247.9	3.39	
5,532.0	21.30	43.04	5,336.9	739.8	568.2	-249.6	5.52	
5,597.0	21.46	40.22	5,397.4	757.5	584.0	-254.3	1.60	
5,691.0	22.87	39.20	5,484.5	784.7	606.6	-262.5	1.55	
5,785.0	25.58	40.26	5,570.2	814.4	631.3	-271.4	2.92	
5,879.0	23.70	32.74	5,655.7	845.8	654.6	-282.4	3.89	
5,974.0	23.30	36.03	5,742.8	877.0	676.0	-294.5	1.44	
6,067.0	24.27	39.63	5,827.9	906.6	699.0	-304.4	1.88	
6,161.0	26.46	37.07	5,912.8	938.2	723.9	-314.6	2.61	
6,255.0	27.76	36.82	5,996.5	972.5	749.7	-326.5	1.39	
6,350.0	26.87	37.97	6,080.9	1,007.1	776.2	-338.3	1.09	
6,443.0	25.83	40.38	6,164.3	1,039.1	802.2	-348.2	1.60	
6,538.0	27.70	34.40	6,249.1	1,073.1	828.1	-359.8	3.45	
6,632.0	27.70	37.68	6,332.3	1,108.4	853.8	-372.6	1.62	
6,725.0	27.30	37.81	6,414.8	1,142.4	880.1	-383.9	0.43	
6,820.0	31.52	38.02	6,497.5	1,179.2	908.8	-396.1	4.44	
6,914.0	30.09	35.36	6,578.3	1,217.7	937.5	-409.6	2.10	
6,915.0	30.07	35.38	6,579.2	1,218.2	937.8	-409.8	2.21	
Sycamore								
7,008.0	28.34	37.66	6,660.3	1,254.6	964.8	-422.7	2.21	
7,102.0	24.44	40.48	6,744.5	1,287.1	991.1	-432.8	4.36	
7,157.0	24.30	40.32	6,794.6	1,304.4	1,005.8	-437.8	0.29	
Middlesex								
7,197.0	24.19	40.20	6,831.1	1,316.9	1,016.4	-441.4	0.29	
7,242.0	26.73	40.82	6,871.7	1,331.6	1,029.0	-445.6	5.68	
7,292.0	27.94	41.49	6,916.1	1,348.9	1,044.1	-450.4	2.50	
7,325.0	27.31	40.92	6,945.4	1,360.4	1,054.1	-453.5	2.08	
Tully								
7,355.0	26.73	40.38	6,972.1	1,370.7	1,063.0	-456.4	2.08	
7,387.0	26.38	47.10	7,000.7	1,381.1	1,072.9	-458.8	9.45	
7,418.0	26.73	55.32	7,028.5	1,389.7	1,083.7	-459.2	11.90	
7,450.0	26.82	62.97	7,057.0	1,397.1	1,096.0	-457.7	10.77	
7,456.0	26.68	64.39	7,062.4	1,398.3	1,098.5	-457.2	10.90	
Marcellus								
7,482.0	26.25	70.68	7,085.7	1,402.7	1,109.1	-454.3	10.90	
7,513.0	26.72	78.64	7,113.4	1,406.4	1,122.5	-449.2	11.54	
7,545.0	28.07	85.26	7,141.9	1,408.4	1,137.0	-442.1	10.41	
7,576.0	29.84	90.22	7,169.0	1,409.0	1,152.0	-433.5	9.62	
7,608.0	32.25	94.88	7,196.4	1,408.2	1,168.5	-423.0	10.63	
7,639.0	34.52	98.85	7,222.3	1,406.2	1,185.4	-411.2	10.16	
7,671.0	36.88	102.28	7,248.3	1,402.7	1,203.7	-397.4	9.67	
7,703.0	39.08	105.65	7,273.5	1,398.0	1,222.8	-382.1	9.46	
7,734.0	40.25	110.18	7,297.4	1,391.9	1,241.7	-366.0	10.06	
7,766.0	42.34	113.97	7,321.4	1,383.9	1,261.2	-347.8	10.18	
7,797.0	44.76	117.29	7,343.9	1,374.7	1,280.5	-328.9	10.74	

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EOW Completion Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Fuego Unit 2H
Project:	Doddridge County WV	TVD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Site:	Rikk/Pratt/Blackwood/Irons	MD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Well:	Fuego 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)
7,829.0	46.78	120.18	7,366.2	1,363.7	1,300.6	-308.0	9.04
7,861.0	49.02	122.44	7,387.7	1,351.3	1,320.8	-285.9	8.74
7,892.0	52.55	124.07	7,407.3	1,338.1	1,340.9	-263.3	12.09
7,924.0	56.09	125.89	7,425.9	1,323.2	1,362.2	-238.6	11.99
7,956.0	60.23	127.21	7,442.8	1,307.0	1,384.0	-212.6	13.40
7,987.0	64.59	129.52	7,457.2	1,290.0	1,405.5	-186.0	15.54
8,019.0	69.12	130.82	7,469.7	1,271.0	1,428.0	-157.3	14.64
8,050.0	75.06	131.74	7,479.3	1,251.5	1,450.2	-128.5	19.37
8,073.0	80.02	132.84	7,484.2	1,236.4	1,466.8	-106.4	22.06
8,172.0	89.90	138.42	7,492.9	1,166.0	1,535.6	-8.8	11.45
8,266.0	91.80	145.14	7,491.5	1,092.2	1,593.7	85.1	7.43
8,361.0	88.46	144.09	7,491.3	1,014.8	1,648.7	180.1	3.69
8,456.0	89.08	143.83	7,493.3	938.0	1,704.6	275.1	0.71
8,548.0	88.55	142.68	7,495.2	864.3	1,759.6	367.0	1.38
8,639.0	88.46	142.07	7,497.6	792.2	1,815.2	458.0	0.68
8,731.0	88.72	141.54	7,499.9	720.0	1,872.0	549.9	0.64
8,822.0	88.37	141.28	7,502.2	648.9	1,928.8	640.9	0.48
8,914.0	89.43	142.07	7,504.0	576.7	1,985.8	732.8	1.44
9,005.0	89.78	143.03	7,504.6	504.5	2,041.1	823.8	1.12
9,096.0	89.34	144.62	7,505.3	431.0	2,094.9	914.8	1.81
9,187.0	90.04	146.20	7,505.8	356.1	2,146.5	1,005.7	1.90
9,278.0	90.27	146.94	7,505.5	280.2	2,196.6	1,096.6	0.85
9,369.0	90.48	146.37	7,504.9	204.1	2,246.7	1,187.4	0.67
9,460.0	90.31	141.89	7,504.3	130.4	2,300.0	1,278.3	4.93
9,551.0	90.40	139.96	7,503.7	59.8	2,357.3	1,369.3	2.12
9,646.0	92.86	141.28	7,501.0	-13.6	2,417.6	1,464.1	2.94
9,741.0	92.95	140.31	7,496.2	-87.1	2,477.5	1,558.9	1.02
9,836.0	90.22	142.51	7,493.6	-161.4	2,536.8	1,653.8	3.69
9,931.0	88.99	139.78	7,494.3	-235.3	2,596.4	1,748.8	3.15
10,026.0	89.78	142.60	7,495.3	-309.3	2,655.9	1,843.7	3.08
10,121.0	89.60	142.07	7,495.8	-384.5	2,713.9	1,938.7	0.59
10,215.0	91.01	143.03	7,495.3	-459.2	2,771.1	2,032.7	1.81
10,310.0	91.10	145.14	7,493.5	-536.1	2,826.8	2,127.7	2.22
10,405.0	90.92	145.32	7,491.9	-614.1	2,881.0	2,222.6	0.27
10,500.0	90.31	140.31	7,490.8	-689.8	2,938.4	2,317.5	5.31
10,595.0	89.69	141.98	7,490.8	-763.7	2,998.0	2,412.5	1.88
10,690.0	91.10	145.41	7,490.2	-840.3	3,054.2	2,507.5	3.90
10,784.0	90.66	145.50	7,488.7	-917.7	3,107.5	2,601.4	0.48
10,879.0	91.01	146.97	7,487.4	-996.7	3,160.3	2,696.2	1.59
10,974.0	90.22	145.14	7,486.3	-1,075.5	3,213.3	2,791.1	2.10
11,069.0	89.87	143.47	7,486.3	-1,152.6	3,268.8	2,886.0	1.80
11,164.0	89.60	142.51	7,486.7	-1,228.5	3,325.9	2,981.0	1.05
11,259.0	90.04	142.51	7,487.0	-1,303.9	3,383.8	3,076.0	0.46
11,353.0	92.07	143.12	7,485.3	-1,378.7	3,440.6	3,170.0	2.25

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 WV Department of Environmental Protection
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Company:	Antero Resources	Local Co-ordinate Reference:	Well Fuego Unit 2H
Project:	Doddridge County WV	TVD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Site:	Rikk/Pratt/Blackwood/Irons	MD Reference:	PATT 317: Fuego 2H 1318 GL + 22.5 KB @ 1340
Well:	Fuego 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)
11,448.0	91.71	142.86	7,482.1	-1,454.5	3,497.7	3,265.0	0.47
11,543.0	91.10	144.00	7,479.8	-1,530.8	3,554.3	3,359.9	1.36
11,638.0	91.10	143.47	7,478.0	-1,607.4	3,610.5	3,454.9	0.56
11,733.0	90.40	144.62	7,476.7	-1,684.3	3,666.3	3,549.9	1.42
11,828.0	89.43	141.10	7,476.9	-1,760.0	3,723.6	3,644.9	3.84
11,923.0	91.28	142.07	7,476.3	-1,834.4	3,782.6	3,739.8	2.20
12,018.0	91.36	141.01	7,474.1	-1,908.8	3,841.7	3,834.8	1.12
12,112.0	92.33	140.49	7,471.1	-1,981.6	3,901.1	3,928.6	1.17
12,207.0	92.15	140.31	7,467.4	-2,054.7	3,961.7	4,023.5	0.27
12,302.0	92.24	141.72	7,463.7	-2,128.5	4,021.4	4,118.3	1.49
12,397.0	91.36	141.28	7,460.7	-2,202.8	4,080.5	4,213.2	1.04
12,492.0	92.33	144.35	7,457.7	-2,278.4	4,137.9	4,308.2	3.39
12,587.0	92.24	144.35	7,453.9	-2,355.6	4,193.2	4,403.1	0.09
12,681.0	91.71	144.09	7,450.7	-2,431.8	4,248.1	4,497.0	0.63
12,776.0	91.80	143.91	7,447.7	-2,508.6	4,303.9	4,591.9	0.21
12,871.0	91.36	144.27	7,445.1	-2,585.5	4,359.6	4,686.9	0.60
12,966.0	90.84	143.39	7,443.3	-2,662.2	4,415.7	4,781.9	1.08
13,060.0	91.63	142.33	7,441.3	-2,737.1	4,472.4	4,875.8	1.41
13,155.0	91.80	143.91	7,438.4	-2,813.1	4,529.4	4,970.8	1.67
13,250.0	91.71	143.30	7,435.5	-2,889.5	4,585.8	5,065.7	0.65
13,346.0	89.96	143.65	7,434.1	-2,966.6	4,642.9	5,161.7	1.86
13,440.0	89.56	143.56	7,434.5	-3,042.3	4,698.7	5,255.7	0.44
13,529.0	90.04	143.74	7,434.8	-3,114.0	4,751.4	5,344.7	0.58
13,587.0	90.50	143.00	7,434.6	-3,160.5	4,786.0	5,402.7	1.50

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,915.0	6,579.2	1,218.2	937.8	Sycamore
7,157.0	6,794.6	1,304.4	1,005.8	Middlesex
7,325.0	6,945.4	1,360.4	1,054.1	Tully
7,456.0	7,062.4	1,398.3	1,098.5	Marcellus

Checked By: _____ Approved By: _____ Date: _____

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