



End of Well Report

Prepared for



Three Siblings A1

October 26, 2010

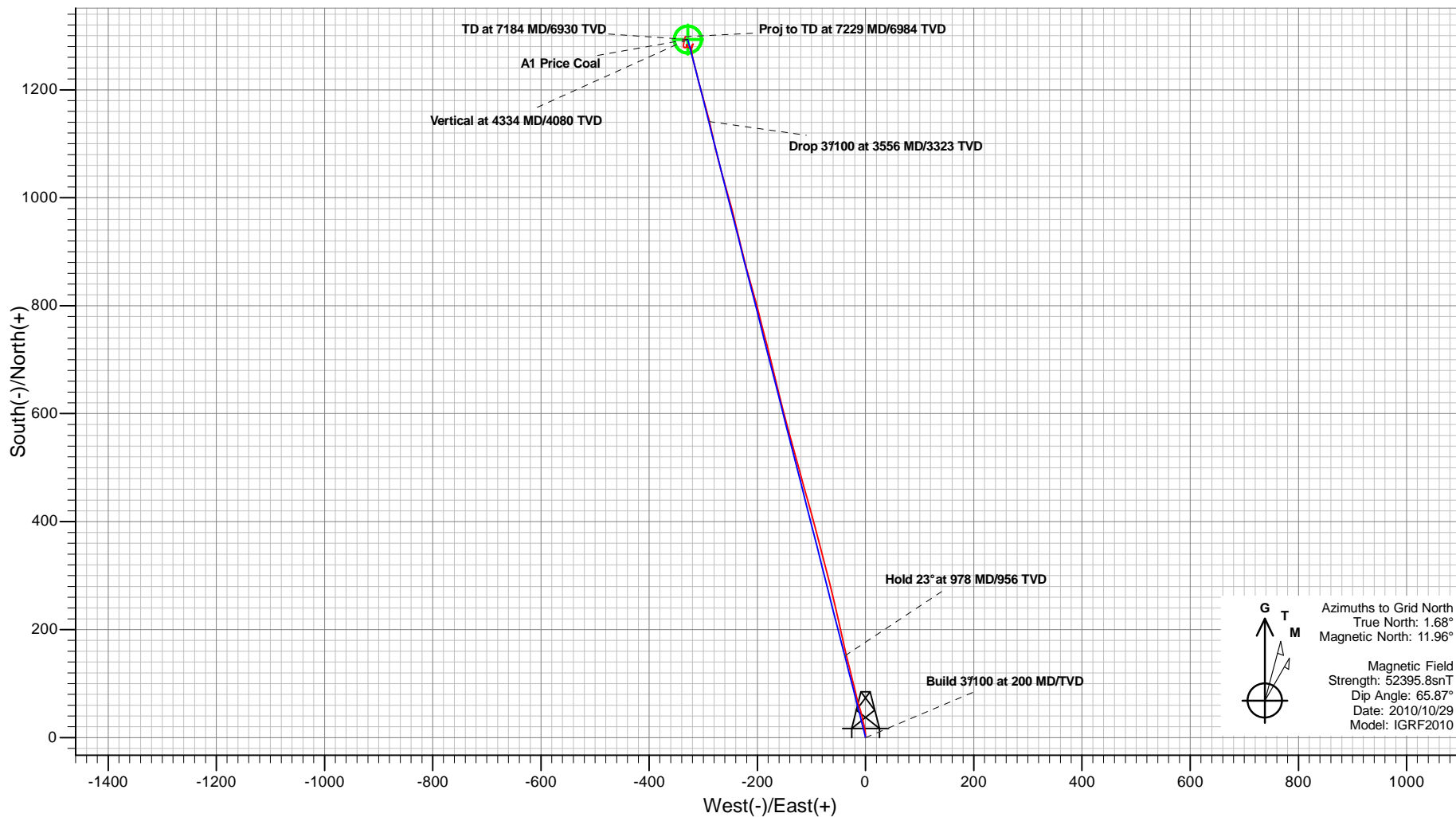
ARK Directional Services Inc
191 University Blvd, # 601
Denver, CO 80206



PLAN VIEW

Antero Resources

Project: Three Siblings
Site: Three Siblings A Pad
Well: Three Siblings A01 (111196)
Wellbore: Three Siblings A1
Design: Three Siblings A01 P02



Three Siblings A01 P02
Created By: ARK Directional Services
Date: 6:48, October 20 2010

PROJECT DETAILS: Three Siblings

Geodetic System: Universal Transverse Mercator
Datum: NAD83 Colorado - HARN
Ellipsoid: GRS 1980
Zone: Zone 13N (108 W to 102 W)
System Datum: Mean Sea Level

REFERENCE INFORMATION

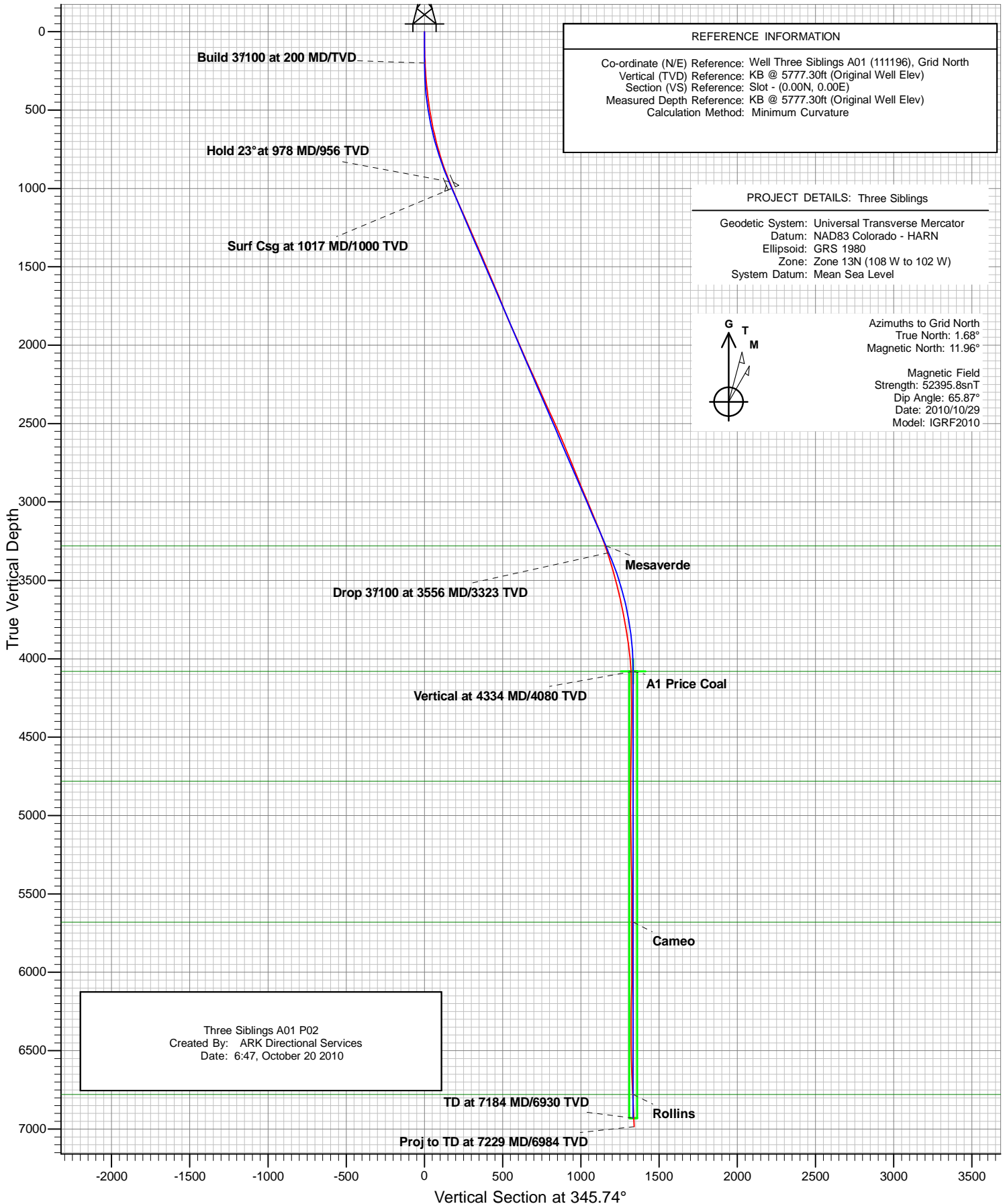
Co-ordinate (N/E) Reference: Well Three Siblings A01 (111196), Grid North
Vertical (TVD) Reference: KB @ 5777.30ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: KB @ 5777.30ft (Original Well Elev)
Calculation Method: Minimum Curvature



Antero Resources

Three Siblings A1

PLANNED VS ACTUAL



Antero Resources

Three Siblings

Three Siblings A Pad

Three Siblings A01 (111196)

Three Siblings A1

Survey: Three Siblings A01

Survey Report - Geographic

26 October, 2010

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Three Siblings A01 (111196)
Project:	Three Siblings	TVD Reference:	KB @ 5777.30ft (Original Well Elev)
Site:	Three Siblings A Pad	MD Reference:	KB @ 5777.30ft (Original Well Elev)
Well:	Three Siblings A01 (111196)	North Reference:	Grid
Wellbore:	Three Siblings A1	Survey Calculation Method:	Minimum Curvature
Design:	Three Siblings A1	Database:	EDM SERVER DB

Project	Three Siblings		
Map System:	Universal Transverse Mercator	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Colorado - HARN		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	Three Siblings A Pad		
Site Position:		Northing:	14,376,392.458 usft
From:	Lat/Long	Easting:	897,415.836 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in
		Latitude:	39.557214677°N
		Longitude:	107.635966268°W
		Grid Convergence:	-1.68 °

Well	Three Siblings A01 (111196)		
Well Position	+N/-S	0.00 ft	Northing: 14,376,392.458 usft
	+E/-W	0.00 ft	Easting: 897,415.836 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	39.557214677°N
		Longitude:	107.635966268°W
		Ground Level:	5,753.30 ft

Wellbore	Three Siblings A1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	2010/10/29	10.28
			(°)
			65.87
			52,396
			(nT)

Design	Three Siblings A1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	4,080.00	0.00	0.00
			345.74
			(°)

Survey Program	Date	2010/10/26		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
98.00	7,229.00	Three Siblings A01 (Three Siblings A1)	MWD	MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map	Latitude	Longitude
Depth	(°)	(°)	Depth	(ft)	(ft)	Northing	Easting		
(ft)			(ft)			(usft)	(usft)		
0.00	0.00	0.00	0.00	0.00	0.00	14,376,392.458	897,415.836	39.557214677°N	107.635966268°W
98.00	0.88	2.03	98.00	0.75	0.03	14,376,393.210	897,415.863	39.557216742°N	107.635966252°W
129.00	1.32	359.57	128.99	1.35	0.03	14,376,393.805	897,415.869	39.557218375°N	107.635966293°W
160.00	2.02	0.27	159.98	2.25	0.03	14,376,394.708	897,415.869	39.557220853°N	107.635966388°W
191.00	2.72	356.23	190.95	3.53	-0.01	14,376,395.989	897,415.823	39.557224362°N	107.635966683°W
221.00	3.08	359.39	220.91	5.05	-0.07	14,376,397.505	897,415.767	39.557228518°N	107.635967037°W
253.00	3.87	354.03	252.85	6.98	-0.19	14,376,399.438	897,415.646	39.557233813°N	107.635967668°W
284.00	4.31	354.65	283.77	9.18	-0.41	14,376,401.639	897,415.428	39.557239832°N	107.635968667°W
315.00	4.83	351.57	314.68	11.63	-0.71	14,376,404.089	897,415.129	39.557246531°N	107.635969985°W
346.00	5.71	348.84	345.54	14.44	-1.20	14,376,406.894	897,414.639	39.557254185°N	107.635972013°W
377.00	6.33	349.20	376.37	17.63	-1.82	14,376,410.085	897,414.020	39.557262891°N	107.635974537°W
408.00	6.77	348.05	407.17	21.09	-2.51	14,376,413.552	897,413.321	39.557272345°N	107.635977373°W

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Three Siblings A01 (111196)
Project:	Three Siblings	TVD Reference:	KB @ 5777.30ft (Original Well Elev)
Site:	Three Siblings A Pad	MD Reference:	KB @ 5777.30ft (Original Well Elev)
Well:	Three Siblings A01 (111196)	North Reference:	Grid
Wellbore:	Three Siblings A1	Survey Calculation Method:	Minimum Curvature
Design:	Three Siblings A1	Database:	EDM SERVER DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
439.00	7.38	348.05	437.93	24.83	-3.31	14,376,417.287	897,412.531	39.557282530°N	107.635980563°W
470.00	8.17	347.09	468.65	28.92	-4.21	14,376,421.382	897,411.626	39.557293691°N	107.635984194°W
501.00	8.96	345.56	499.30	33.41	-5.30	14,376,425.867	897,410.532	39.557305907°N	107.635988538°W
531.00	9.84	345.07	528.90	38.15	-6.55	14,376,430.606	897,409.289	39.557318810°N	107.635993436°W
562.00	10.46	346.03	559.41	43.44	-7.91	14,376,435.896	897,407.927	39.557333214°N	107.635998812°W
593.00	11.16	345.59	589.86	49.08	-9.33	14,376,441.533	897,406.502	39.557348563°N	107.636004452°W
624.00	12.04	345.24	620.23	55.11	-10.91	14,376,447.565	897,404.931	39.557364986°N	107.636010644°W
655.00	12.92	344.10	650.50	61.57	-12.68	14,376,454.025	897,403.158	39.557382566°N	107.636017600°W
686.00	13.71	344.36	680.66	68.44	-14.62	14,376,460.896	897,401.218	39.557401260°N	107.636025190°W
717.00	14.50	345.77	710.73	75.74	-16.56	14,376,468.195	897,399.274	39.557421129°N	107.636032840°W
748.00	15.38	347.00	740.68	83.51	-18.44	14,376,475.963	897,397.395	39.557442288°N	107.636040306°W
780.00	16.44	346.38	771.46	92.04	-20.46	14,376,484.499	897,395.374	39.557465544°N	107.636048355°W
810.00	17.49	345.59	800.15	100.53	-22.58	14,376,492.991	897,393.252	39.557488672°N	107.636056757°W
842.00	18.28	345.59	830.60	110.05	-25.03	14,376,502.509	897,390.807	39.557514588°N	107.636066414°W
873.00	19.16	345.94	859.96	119.70	-27.48	14,376,512.153	897,388.361	39.557540849°N	107.636076085°W
904.00	20.30	346.30	889.14	129.85	-29.98	14,376,522.312	897,385.851	39.557568520°N	107.636086035°W
935.00	21.18	345.77	918.13	140.51	-32.64	14,376,532.965	897,383.201	39.557597533°N	107.636096535°W
967.00	21.97	346.38	947.89	151.93	-35.47	14,376,544.387	897,380.371	39.557628639°N	107.636107754°W
1,027.00	23.03	347.35	1,003.32	174.29	-40.68	14,376,566.747	897,375.157	39.557689565°N	107.636128555°W
1,122.00	23.47	348.05	1,090.61	210.93	-48.67	14,376,603.386	897,367.171	39.557789442°N	107.636160669°W
1,216.00	23.73	346.30	1,176.75	247.62	-57.02	14,376,640.076	897,358.815	39.557889427°N	107.636194096°W
1,311.00	24.17	346.03	1,263.57	285.06	-66.24	14,376,677.521	897,349.593	39.557991415°N	107.636230675°W
1,405.00	23.12	345.68	1,349.68	321.62	-75.45	14,376,714.078	897,340.382	39.558090969°N	107.636267119°W
1,500.00	23.20	344.98	1,437.02	357.77	-84.92	14,376,750.223	897,330.920	39.558189370°N	107.636304413°W
1,594.00	23.38	345.07	1,523.36	393.67	-94.52	14,376,786.127	897,321.316	39.558287099°N	107.636342182°W
1,689.00	23.03	344.54	1,610.67	429.79	-104.33	14,376,822.250	897,311.506	39.558385414°N	107.636380705°W
1,783.00	22.59	344.27	1,697.32	464.89	-114.13	14,376,857.350	897,301.710	39.558480922°N	107.636419073°W
1,877.00	22.59	345.07	1,784.11	499.72	-123.67	14,376,892.173	897,292.164	39.558575691°N	107.636456526°W
1,972.00	23.20	345.15	1,871.63	535.43	-133.17	14,376,927.891	897,282.667	39.558672919°N	107.636493898°W
2,067.00	24.17	343.84	1,958.62	572.20	-143.38	14,376,964.659	897,272.458	39.558772971°N	107.636533903°W
2,161.00	23.99	345.68	2,044.45	609.20	-153.46	14,377,001.659	897,262.376	39.558873668°N	107.636573484°W
2,256.00	24.08	346.56	2,131.21	646.76	-162.74	14,377,039.221	897,253.095	39.558975972°N	107.636610284°W
2,350.00	24.17	346.03	2,217.00	684.09	-171.84	14,377,076.547	897,243.992	39.559077644°N	107.636646428°W
2,445.00	24.70	346.65	2,303.49	722.28	-181.12	14,377,114.733	897,234.713	39.559181660°N	107.636683282°W
2,540.00	23.99	345.07	2,390.04	760.25	-190.68	14,377,152.707	897,225.155	39.559285071°N	107.636721109°W
2,634.00	24.87	345.86	2,475.63	797.88	-200.43	14,377,190.339	897,215.402	39.559387530°N	107.636759586°W
2,729.00	23.38	343.84	2,562.33	835.36	-210.56	14,377,227.817	897,205.275	39.559489537°N	107.636799376°W
2,823.00	22.41	345.07	2,648.92	870.59	-220.37	14,377,263.045	897,195.468	39.559585395°N	107.636837799°W
2,917.00	21.97	346.12	2,735.96	904.97	-229.20	14,377,297.429	897,186.633	39.559679015°N	107.636872686°W
3,012.00	22.41	346.47	2,823.92	939.83	-237.70	14,377,332.287	897,178.134	39.559773963°N	107.636906435°W
3,106.00	22.59	346.03	2,910.77	974.77	-246.25	14,377,367.228	897,169.583	39.559869135°N	107.636940374°W
3,201.00	23.12	343.22	2,998.31	1,010.34	-256.04	14,377,402.793	897,159.793	39.559965920°N	107.636978770°W
3,295.00	22.76	345.42	3,084.88	1,045.60	-265.95	14,377,438.060	897,149.888	39.560061878°N	107.637017544°W
3,390.00	21.88	345.86	3,172.76	1,080.56	-274.90	14,377,473.011	897,140.937	39.560157044°N	107.637052901°W
3,484.00	19.60	347.53	3,260.66	1,112.94	-282.58	14,377,505.394	897,133.253	39.560245268°N	107.637083504°W
3,579.00	17.40	347.53	3,350.75	1,142.37	-289.09	14,377,534.825	897,126.745	39.560325488°N	107.637109633°W
3,673.00	16.70	343.75	3,440.62	1,169.06	-295.91	14,377,561.516	897,119.930	39.560398166°N	107.637136561°W
3,768.00	13.97	344.89	3,532.23	1,193.24	-302.72	14,377,585.695	897,113.120	39.560463954°N	107.637163212°W
3,862.00	12.57	345.59	3,623.72	1,214.10	-308.22	14,377,606.557	897,107.617	39.560520746°N	107.637184888°W
3,957.00	10.99	346.38	3,716.71	1,232.92	-312.93	14,377,625.371	897,102.911	39.560571984°N	107.637203521°W
4,051.00	9.58	345.59	3,809.20	1,249.20	-316.98	14,377,641.656	897,098.855	39.560616334°N	107.637219593°W
4,146.00	8.00	347.53	3,903.08	1,263.31	-320.38	14,377,655.768	897,095.460	39.560654777°N	107.637233093°W
4,240.00	5.19	0.97	3,996.46	1,273.95	-321.72	14,377,666.409	897,094.119	39.560683861°N	107.637238951°W
4,324.65	3.14	7.76	4,080.87	1,280.08	-321.34	14,377,672.538	897,094.497	39.560700707°N	107.637238248°W
A1 Price Coal									

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Three Siblings A01 (111196)
Project:	Three Siblings	TVD Reference:	KB @ 5777.30ft (Original Well Elev)
Site:	Three Siblings A Pad	MD Reference:	KB @ 5777.30ft (Original Well Elev)
Well:	Three Siblings A01 (111196)	North Reference:	Grid
Wellbore:	Three Siblings A1	Survey Calculation Method:	Minimum Curvature
Design:	Three Siblings A1	Database:	EDM SERVER DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,335.00	2.90	9.24	4,091.21	1,280.62	-321.26	14,377,673.078	897,094.578	39.560702195°N	107.637238019°W
4,430.00	1.23	39.47	4,186.15	1,283.78	-320.22	14,377,676.237	897,095.612	39.560710946°N	107.637234682°W
4,524.00	0.62	74.63	4,280.14	1,284.70	-319.09	14,377,677.151	897,096.744	39.560713543°N	107.637230766°W
4,619.00	0.09	222.63	4,375.14	1,284.78	-318.65	14,377,677.232	897,097.189	39.560713802°N	107.637229197°W
4,714.00	1.23	202.59	4,470.13	1,283.78	-319.09	14,377,676.236	897,096.746	39.560711033°N	107.637230661°W
4,809.00	1.32	205.14	4,565.11	1,281.85	-319.95	14,377,674.304	897,095.890	39.560705664°N	107.637233496°W
4,903.00	0.70	183.17	4,659.09	1,280.30	-320.44	14,377,672.750	897,095.398	39.560701362°N	107.637235077°W
4,998.00	0.97	213.14	4,754.08	1,279.04	-320.91	14,377,671.498	897,094.927	39.560697888°N	107.637236619°W
5,092.00	1.14	235.29	4,848.07	1,277.84	-322.11	14,377,670.299	897,093.723	39.560694502°N	107.637240760°W
5,187.00	0.97	254.36	4,943.05	1,277.09	-323.67	14,377,669.544	897,092.172	39.560692306°N	107.637246180°W
5,281.00	1.49	287.50	5,037.03	1,277.24	-325.60	14,377,669.697	897,090.240	39.560692570°N	107.637253043°W
5,376.00	1.23	308.06	5,132.00	1,278.24	-327.58	14,377,670.697	897,088.259	39.560695155°N	107.637260167°W
5,471.00	1.23	310.44	5,226.98	1,279.53	-329.16	14,377,671.987	897,086.680	39.560698566°N	107.637265898°W
5,561.00	1.32	331.88	5,316.96	1,281.07	-330.38	14,377,673.528	897,085.456	39.560702695°N	107.637270395°W
5,659.00	0.79	6.69	5,414.94	1,282.74	-330.83	14,377,675.194	897,085.003	39.560707231°N	107.637272175°W
5,754.00	0.53	107.15	5,509.94	1,283.26	-330.34	14,377,675.715	897,085.499	39.560708700°N	107.637270471°W
5,849.00	0.44	191.52	5,604.94	1,282.77	-329.99	14,377,675.228	897,085.846	39.560707392°N	107.637269190°W
5,943.00	0.70	299.36	5,698.93	1,282.70	-330.56	14,377,675.156	897,085.274	39.560707148°N	107.637271212°W
6,038.00	0.09	124.99	5,793.93	1,282.94	-331.01	14,377,675.398	897,084.829	39.560707775°N	107.637272813°W
6,132.00	0.63	106.27	5,887.93	1,282.76	-330.45	14,377,675.211	897,085.386	39.560707307°N	107.637270821°W
6,227.00	0.18	272.47	5,982.93	1,282.62	-330.10	14,377,675.071	897,085.738	39.560706951°N	107.637269558°W
6,321.00	0.62	71.20	6,076.93	1,282.79	-329.77	14,377,675.241	897,086.072	39.560707445°N	107.637268392°W
6,415.00	1.32	185.98	6,170.92	1,281.87	-329.40	14,377,674.328	897,086.441	39.560704970°N	107.637266990°W
6,510.00	1.58	214.28	6,265.89	1,279.70	-330.25	14,377,672.158	897,085.589	39.560698947°N	107.637269783°W
6,604.00	2.02	249.79	6,359.85	1,278.06	-332.53	14,377,670.515	897,083.304	39.560694255°N	107.637277710°W
6,698.00	1.23	293.74	6,453.81	1,277.89	-335.01	14,377,670.348	897,080.826	39.560693600°N	107.637286477°W
6,793.00	1.49	338.03	6,548.79	1,279.45	-336.41	14,377,671.904	897,079.430	39.560697756°N	107.637291585°W
6,888.00	2.46	10.29	6,643.73	1,282.60	-336.50	14,377,675.056	897,079.333	39.560706395°N	107.637292260°W
6,982.00	2.02	4.14	6,737.66	1,286.24	-336.02	14,377,678.693	897,079.812	39.560716412°N	107.637290937°W
7,077.00	2.72	10.64	6,832.58	1,290.12	-335.49	14,377,682.579	897,080.350	39.560727115°N	107.637289437°W
7,171.00	3.34	17.59	6,926.45	1,294.93	-334.25	14,377,687.381	897,081.589	39.560740389°N	107.637285544°W
7,229.00	3.34	17.59	6,984.35	1,298.15	-333.23	14,377,690.602	897,082.610	39.560749309°N	107.637282259°W
Proj to TD at 7229 MD/6984 TVD									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,229.00	6,984.35	1,298.15	-333.23	Proj to TD at 7229 MD/6984 TVD

Checked By: _____ Approved By: _____ Date: _____