



End of Well Report

Prepared for



Diemoz A3

November 3, 2010

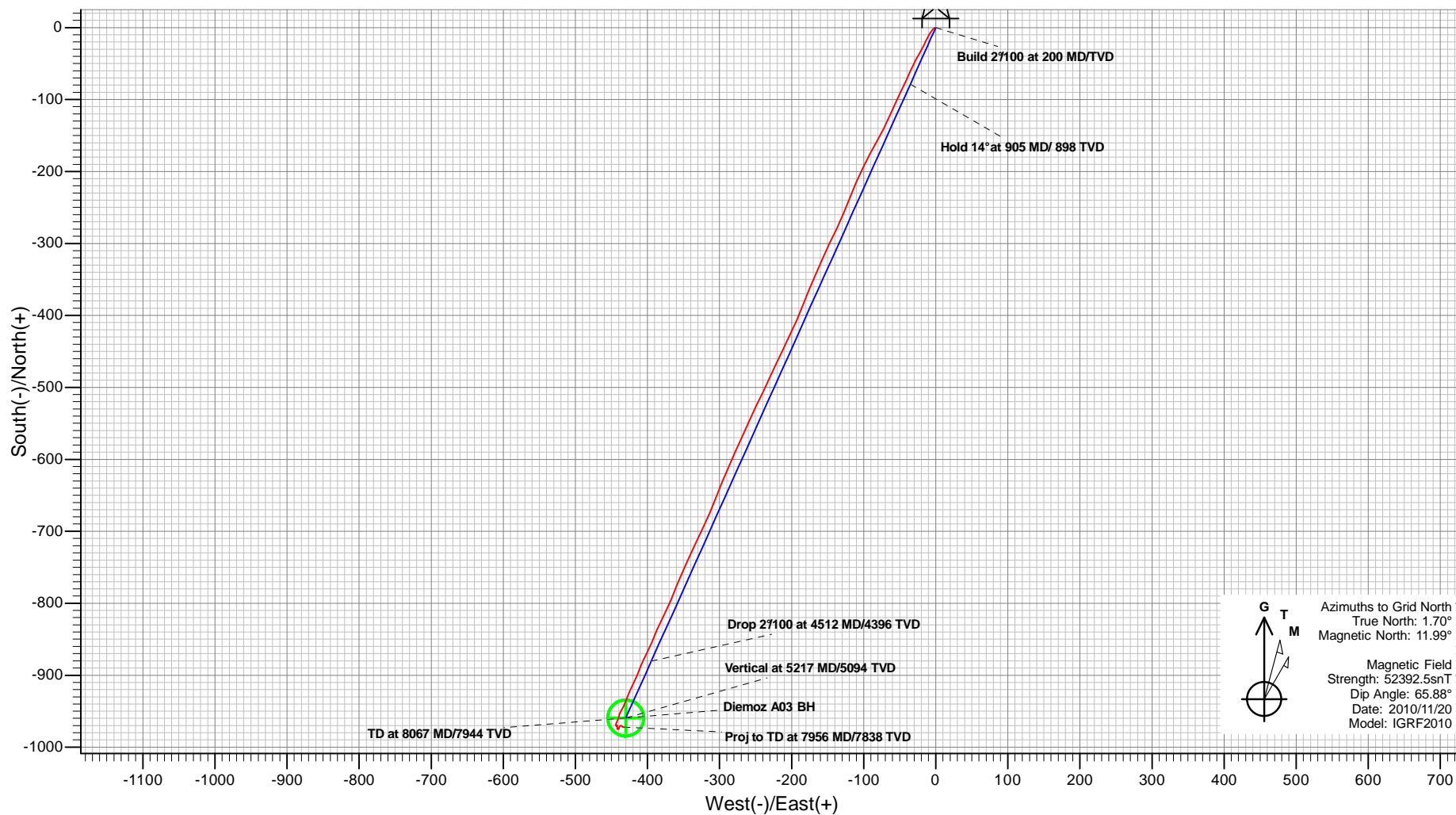
ARK Directional Services Inc
191 University Blvd, # 601
Denver, CO 80206



PLAN VIEW

Antero Resources

Project: Diemoz
Site: Diemoz A Pad
Well: Diemoz A03 (111241)
Wellbore: Diemoz A03
Design: Diemoz A03 P01



Diemoz A03 P01
Created By: ARK Directional Services
Date: 9:19, November 01 2010

PROJECT DETAILS: Diemoz
Geodetic System: Universal Transverse Mercator
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Zone 13N (108 W to 102 W)
System Datum: Mean Sea Level

REFERENCE INFORMATION

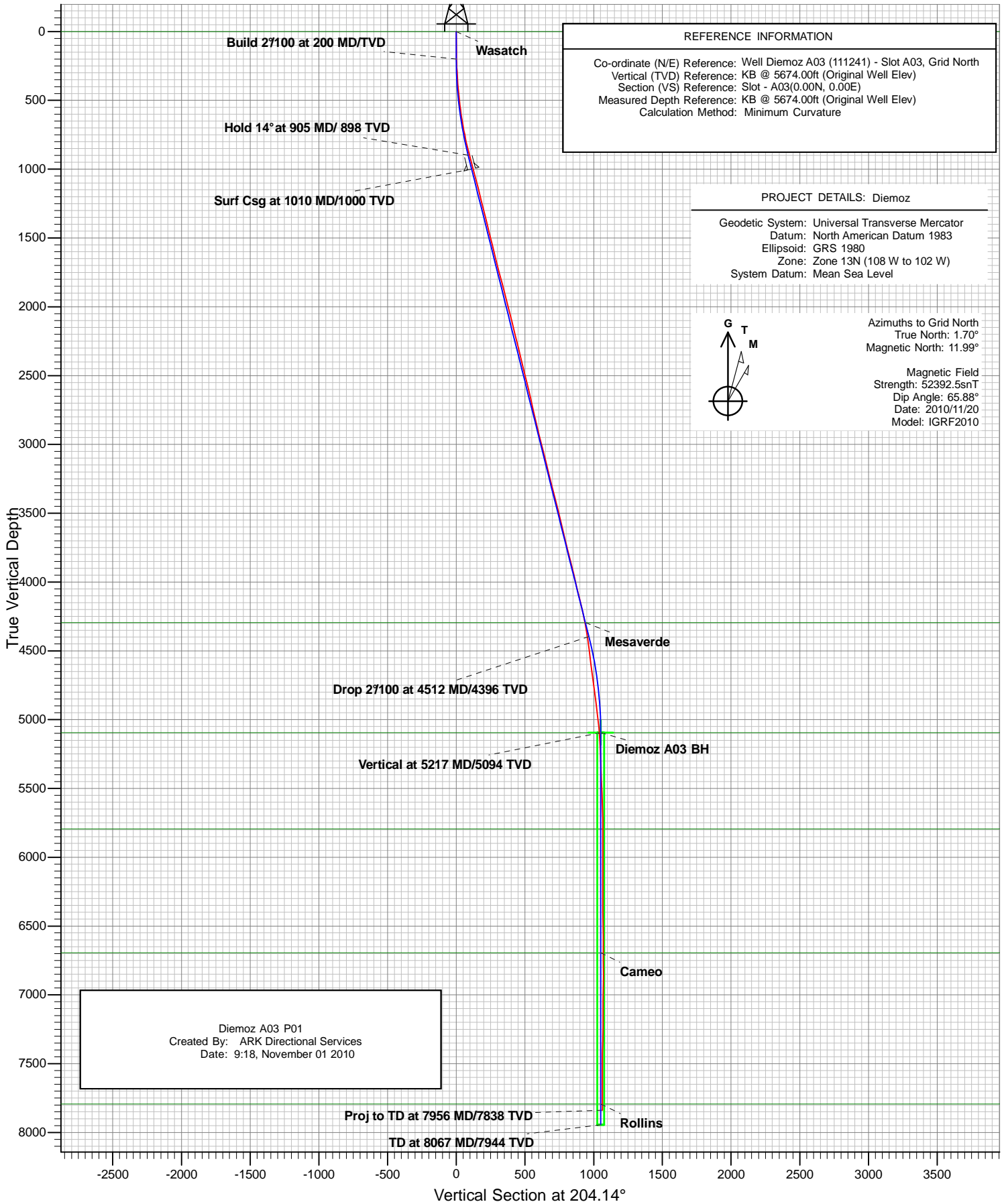
Co-ordinate (N/E) Reference:	Well Diemoz A03 (111241) - Slot A03, Grid North
Vertical (TVD) Reference:	KB @ 5674.00ft (Original Well Elev)
Section (VS) Reference:	Slot - A03(0.00N, 0.00E)
Measured Depth Reference:	KB @ 5674.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature



Antero Resources

Diemoz A03

PLANNED VS ACTUAL



Antero Resources

Diemoz

Diemoz A Pad

Diemoz A03 (111241) - Slot A03

Diemoz A03

Survey: Diemoz A03

Survey Report - Geographic

01 November, 2010

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Diemoz A03 (111241) - Slot A03
Project:	Diemoz	TVD Reference:	KB @ 5674.00ft (Original Well Elev)
Site:	Diemoz A Pad	MD Reference:	KB @ 5674.00ft (Original Well Elev)
Well:	Diemoz A03 (111241)	North Reference:	Grid
Wellbore:	Diemoz A03	Survey Calculation Method:	Minimum Curvature
Design:	Diemoz A03	Database:	EDM SERVER DB

Project	Diemoz		
Map System:	Universal Transverse Mercator	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	Diemoz A Pad		
Site Position:		Northing:	14,381,174.161 usft
From:	Map	Easting:	887,394.132 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in
		Latitude:	39.569521288°N
		Longitude:	107.671988267°W
		Grid Convergence:	-1.70 °

Well	Diemoz A03 (111241) - Slot A03		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	39.569538760°N
		Longitude:	107.672092231°W
		Ground Level:	5,650.00 ft

Wellbore	Diemoz A03		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	2010/11/20	10.29
			Dip Angle
			(°)
			65.88
			Field Strength
			(nT)
			52,392

Design	Diemoz A03		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			204.14

Survey Program	Date	2010/11/01		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
133.00	7,956.00	Diemoz A03 (Diemoz A03)	MWD	MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map	Latitude	Longitude
Depth	(°)	(°)	Depth	(ft)	(ft)	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
0.00	0.00	0.00	0.00	0.00	0.00	14,381,181.395	887,365.018	39.569538760°N	107.672092231°W
133.00	1.14	242.61	132.99	-0.61	-1.17	14,381,180.786	887,363.843	39.569536994°N	107.672096331°W
164.00	1.49	248.81	163.98	-0.90	-1.82	14,381,180.499	887,363.193	39.569536152°N	107.672098603°W
195.00	1.67	238.13	194.97	-1.28	-2.58	14,381,180.115	887,362.434	39.569535036°N	107.672101255°W
226.00	1.93	223.72	225.96	-1.90	-3.33	14,381,179.499	887,361.690	39.569533286°N	107.672103829°W
257.00	2.29	220.87	256.94	-2.74	-4.09	14,381,178.653	887,360.924	39.569530904°N	107.672106455°W
288.00	3.16	222.05	287.90	-3.84	-5.07	14,381,177.550	887,359.946	39.569527798°N	107.672109804°W
319.00	3.65	215.81	318.85	-5.28	-6.22	14,381,176.116	887,358.796	39.569523769°N	107.672113728°W
351.00	4.13	211.41	350.77	-7.09	-7.42	14,381,174.306	887,357.600	39.569518707°N	107.672117778°W
381.00	4.31	210.71	380.69	-8.98	-8.56	14,381,172.415	887,356.461	39.569513426°N	107.672121616°W
412.00	4.92	207.90	411.59	-11.16	-9.77	14,381,170.239	887,355.244	39.569507356°N	107.672125700°W
444.00	5.19	208.78	443.46	-13.64	-11.11	14,381,167.757	887,353.905	39.569500439°N	107.672130185°W

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Diemoz A03 (111241) - Slot A03
Project:	Diemoz	TVD Reference:	KB @ 5674.00ft (Original Well Elev)
Site:	Diemoz A Pad	MD Reference:	KB @ 5674.00ft (Original Well Elev)
Well:	Diemoz A03 (111241)	North Reference:	Grid
Wellbore:	Diemoz A03	Survey Calculation Method:	Minimum Curvature
Design:	Diemoz A03	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
474.00	5.71	207.72	473.33	-16.15	-12.46	14,381,165.247	887,352.558	39.569493442°N	107.672134696°W
505.00	6.42	204.38	504.16	-19.09	-13.89	14,381,162.303	887,351.125	39.569485250°N	107.672139465°W
536.00	7.03	205.53	534.94	-22.38	-15.43	14,381,159.013	887,349.592	39.569476098°N	107.672144552°W
567.00	7.82	208.43	565.68	-25.95	-17.25	14,381,155.446	887,347.770	39.569466165°N	107.672150634°W
598.00	8.26	209.39	596.38	-29.74	-19.34	14,381,151.651	887,345.674	39.569455583°N	107.672157667°W
629.00	8.96	208.69	627.03	-33.80	-21.60	14,381,147.593	887,343.422	39.569444267°N	107.672165221°W
660.00	9.58	208.07	657.62	-38.20	-23.97	14,381,143.200	887,341.049	39.569432019°N	107.672173169°W
691.00	10.28	207.99	688.16	-42.91	-26.48	14,381,138.481	887,338.537	39.569418869°N	107.672181576°W
722.00	10.63	206.93	718.64	-47.91	-29.07	14,381,133.489	887,335.944	39.569404963°N	107.672190242°W
753.00	11.16	206.58	749.08	-53.14	-31.71	14,381,128.257	887,333.307	39.569390394°N	107.672199039°W
784.00	12.04	205.53	779.45	-58.74	-34.45	14,381,122.656	887,330.571	39.569374806°N	107.672208146°W
815.00	12.92	204.03	809.72	-64.82	-37.25	14,381,116.573	887,327.766	39.569357889°N	107.672217447°W
846.00	13.54	205.00	839.90	-71.28	-40.20	14,381,110.119	887,324.821	39.569339942°N	107.672227206°W
877.00	13.89	205.00	870.01	-77.94	-43.30	14,381,103.458	887,321.715	39.569321415°N	107.672237515°W
908.00	14.41	205.09	900.07	-84.80	-46.51	14,381,096.592	887,318.507	39.569302318°N	107.672248163°W
939.00	14.68	205.00	930.08	-91.86	-49.81	14,381,089.539	887,315.211	39.569282699°N	107.672259102°W
1,057.00	15.56	204.65	1,043.99	-119.79	-62.73	14,381,061.603	887,302.291	39.569205006°N	107.672301956°W
1,152.00	13.80	205.80	1,135.89	-141.58	-72.97	14,381,039.820	887,292.045	39.569144410°N	107.672235980°W
1,246.00	14.10	210.00	1,227.12	-161.59	-83.58	14,381,019.810	887,281.440	39.569088649°N	107.672371462°W
1,309.00	14.10	207.50	1,288.22	-175.04	-90.96	14,381,006.357	887,274.060	39.569051141°N	107.672396205°W
1,404.00	13.80	207.20	1,380.42	-195.38	-101.48	14,380,986.016	887,263.537	39.568994477°N	107.672431360°W
1,498.00	13.97	202.10	1,471.67	-215.86	-110.87	14,380,965.531	887,254.144	39.568937513°N	107.672462499°W
1,592.00	13.97	201.80	1,562.89	-236.91	-119.36	14,380,944.483	887,245.661	39.568879078°N	107.672490348°W
1,687.00	13.97	202.71	1,655.08	-258.14	-128.04	14,380,923.258	887,236.975	39.568820141°N	107.672518899°W
1,781.00	15.03	205.10	1,746.09	-279.64	-137.59	14,380,901.753	887,227.424	39.568760365°N	107.672550488°W
1,875.00	14.50	205.70	1,836.98	-301.28	-147.87	14,380,880.112	887,217.151	39.568700156°N	107.672584623°W
1,970.00	14.94	203.50	1,928.87	-323.23	-157.91	14,380,858.165	887,207.110	39.568639128°N	107.672617901°W
2,064.00	14.06	203.86	2,019.87	-344.79	-167.36	14,380,836.610	887,197.660	39.568579224°N	107.672649128°W
2,158.00	13.89	202.36	2,111.09	-365.66	-176.27	14,380,815.733	887,188.749	39.568521224°N	107.672678514°W
2,253.00	13.71	201.13	2,203.35	-386.71	-184.67	14,380,794.687	887,180.353	39.568462800°N	107.672706057°W
2,348.00	13.36	204.12	2,295.71	-407.23	-193.21	14,380,774.168	887,171.809	39.568405812°N	107.672734179°W
2,442.00	13.89	204.91	2,387.07	-427.37	-202.40	14,380,754.023	887,162.619	39.568349796°N	107.672764632°W
2,536.00	14.24	205.79	2,478.25	-448.02	-212.18	14,380,733.380	887,152.836	39.568292366°N	107.672797131°W
2,630.00	13.62	205.79	2,569.48	-468.39	-222.03	14,380,713.005	887,142.991	39.568235666°N	107.672829862°W
2,725.00	12.92	203.59	2,661.95	-488.20	-231.14	14,380,693.200	887,133.874	39.568180590°N	107.672860110°W
2,820.00	12.22	206.32	2,754.67	-506.94	-239.85	14,380,674.455	887,125.166	39.568128454°N	107.672889002°W
2,914.00	13.45	205.79	2,846.32	-525.70	-249.02	14,380,655.694	887,115.998	39.568076237°N	107.672919520°W
3,009.00	14.33	204.03	2,938.54	-546.39	-258.61	14,380,635.008	887,106.404	39.568018705°N	107.672951348°W
3,103.00	13.97	205.00	3,029.69	-567.30	-268.15	14,380,614.100	887,096.872	39.567960568°N	107.672982933°W
3,198.00	14.68	203.06	3,121.73	-588.76	-277.71	14,380,592.632	887,087.310	39.567900890°N	107.673014562°W
3,292.00	13.80	204.90	3,212.85	-609.89	-287.09	14,380,571.503	887,077.924	39.567842161°N	107.673045604°W
3,387.00	14.24	201.48	3,305.02	-631.04	-296.14	14,380,550.353	887,068.875	39.567783399°N	107.673075450°W
3,481.00	14.24	201.13	3,396.13	-652.59	-304.54	14,380,528.811	887,060.474	39.567723614°N	107.673102958°W
3,575.00	13.80	203.68	3,487.33	-673.64	-313.21	14,380,507.759	887,051.804	39.567665155°N	107.673131473°W
3,670.00	13.10	205.53	3,579.72	-693.73	-322.41	14,380,487.668	887,042.613	39.567609286°N	107.673161932°W
3,764.00	13.80	205.20	3,671.15	-713.49	-331.77	14,380,467.911	887,033.248	39.567554321°N	107.673193044°W
3,858.00	14.41	204.91	3,762.31	-734.24	-341.47	14,380,447.159	887,023.548	39.567496597°N	107.673225239°W
3,952.00	14.06	203.77	3,853.42	-755.30	-351.00	14,380,426.101	887,014.020	39.567438049°N	107.673256794°W
4,047.00	13.27	201.22	3,945.74	-776.02	-359.60	14,380,405.376	887,005.422	39.567380491°N	107.673285085°W
4,141.00	13.62	202.62	4,037.16	-796.29	-367.76	14,380,385.103	886,997.260	39.567324207°N	107.673311878°W
4,236.00	13.80	206.67	4,129.45	-816.74	-377.15	14,380,364.652	886,987.872	39.567267338°N	107.673342999°W
4,330.00	12.04	203.77	4,221.07	-835.74	-386.13	14,380,345.660	886,978.888	39.567214501°N	107.673372843°W
4,425.00	10.70	202.36	4,314.21	-852.96	-393.48	14,380,328.436	886,971.539	39.567166648°N	107.673397076°W
4,519.00	8.70	207.72	4,406.86	-867.33	-400.11	14,380,314.070	886,964.911	39.567126697°N	107.673419053°W
4,613.00	6.94	203.68	4,499.98	-878.82	-405.70	14,380,302.575	886,959.323	39.567094706°N	107.673437649°W

ARK Directional Services

Survey Report - Geographic

Company:	Antero Resources	Local Co-ordinate Reference:	Well Diemoz A03 (111241) - Slot A03
Project:	Diemoz	TVD Reference:	KB @ 5674.00ft (Original Well Elev)
Site:	Diemoz A Pad	MD Reference:	KB @ 5674.00ft (Original Well Elev)
Well:	Diemoz A03 (111241)	North Reference:	Grid
Wellbore:	Diemoz A03	Survey Calculation Method:	Minimum Curvature
Design:	Diemoz A03	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	
4,708.00	7.12	199.99	4,594.27	-889.61	-410.01	14,380,291.786	886,955.005	39.567064755°N	107.673451817°W	
4,802.00	7.56	204.29	4,687.50	-900.72	-414.55	14,380,280.675	886,950.470	39.567033903°N	107.673466721°W	
4,897.00	7.29	205.61	4,781.70	-911.85	-419.72	14,380,269.544	886,945.294	39.567002943°N	107.673483894°W	
4,991.00	7.82	203.33	4,874.89	-923.10	-424.83	14,380,258.294	886,940.184	39.566971662°N	107.673500822°W	
5,086.00	6.50	199.11	4,969.14	-934.12	-429.16	14,380,247.278	886,935.864	39.566941089°N	107.673514974°W	
5,180.00	5.54	205.26	5,062.63	-943.25	-432.83	14,380,238.147	886,932.185	39.566915738°N	107.673527049°W	
5,212.29	4.86	207.91	5,094.78	-945.87	-434.14	14,380,235.529	886,930.880	39.566908450°N	107.673531399°W	
Diemoz A03 BH										
5,274.00	3.60	215.72	5,156.32	-949.75	-436.49	14,380,231.647	886,928.526	39.566897607°N	107.673539335°W	
5,369.00	2.20	196.21	5,251.20	-953.92	-438.74	14,380,227.474	886,926.275	39.566885976°N	107.673546872°W	
5,463.00	1.58	184.08	5,345.15	-956.95	-439.34	14,380,224.449	886,925.680	39.566877628°N	107.673548666°W	
5,558.00	2.20	201.83	5,440.10	-959.95	-440.11	14,380,221.450	886,924.908	39.566869337°N	107.673551083°W	
5,652.00	2.90	208.25	5,534.01	-963.72	-441.91	14,380,217.680	886,923.112	39.566858849°N	107.673557053°W	
5,747.00	2.20	197.88	5,628.91	-967.57	-443.60	14,380,213.828	886,921.415	39.566848142°N	107.673562663°W	
5,841.00	0.97	140.05	5,722.88	-969.90	-443.65	14,380,211.501	886,921.371	39.566841754°N	107.673562571°W	
5,936.00	0.88	91.53	5,817.87	-970.53	-442.40	14,380,210.865	886,922.617	39.566840111°N	107.673558088°W	
6,030.00	0.26	73.51	5,911.86	-970.49	-441.48	14,380,210.906	886,923.543	39.566840300°N	107.673554810°W	
6,125.00	0.79	295.17	6,006.86	-970.15	-441.86	14,380,211.246	886,923.157	39.566841201°N	107.673556214°W	
6,219.00	0.44	348.26	6,100.85	-969.52	-442.52	14,380,211.875	886,922.497	39.566842872°N	107.673558620°W	
6,314.00	0.88	223.02	6,195.85	-969.70	-443.09	14,380,211.698	886,921.925	39.566842342°N	107.673560629°W	
6,408.00	0.53	115.79	6,289.85	-970.42	-443.19	14,380,210.981	886,921.824	39.566840367°N	107.673560911°W	
6,503.00	1.23	149.89	6,384.84	-971.49	-442.29	14,380,209.908	886,922.731	39.566837497°N	107.673557583°W	
6,598.00	1.76	162.99	6,479.80	-973.77	-441.35	14,380,207.631	886,923.670	39.566831326°N	107.673554017°W	
6,692.00	0.44	344.92	6,573.79	-974.80	-441.02	14,380,206.599	886,923.998	39.566828522°N	107.673552744°W	
6,787.00	0.18	316.62	6,668.79	-974.34	-441.22	14,380,207.060	886,923.801	39.566829770°N	107.673553492°W	
6,881.00	0.53	225.92	6,762.79	-974.53	-441.63	14,380,206.865	886,923.387	39.566829201°N	107.673554938°W	
6,976.00	0.18	121.33	6,857.79	-974.92	-441.82	14,380,206.481	886,923.199	39.566828134°N	107.673555564°W	
7,071.00	0.88	53.83	6,952.78	-974.56	-441.10	14,380,206.834	886,923.915	39.566829161°N	107.673553062°W	
7,165.00	0.79	117.11	7,046.77	-974.43	-439.94	14,380,206.965	886,925.075	39.566829614°N	107.673548966°W	
7,260.00	0.44	348.08	7,141.77	-974.37	-439.44	14,380,207.024	886,925.582	39.566829816°N	107.673547173°W	
7,354.00	0.62	20.52	7,235.77	-973.54	-439.33	14,380,207.853	886,925.686	39.566832100°N	107.673546893°W	
7,449.00	1.32	7.33	7,330.75	-971.98	-439.01	14,380,209.420	886,926.006	39.566836424°N	107.673545924°W	
7,543.00	1.41	50.66	7,424.73	-970.17	-437.98	14,380,211.227	886,927.038	39.566841466°N	107.673542455°W	
7,638.00	1.14	131.52	7,519.71	-970.06	-436.37	14,380,211.341	886,928.650	39.566841911°N	107.673536754°W	
7,732.00	0.62	138.11	7,613.70	-971.05	-435.33	14,380,210.343	886,929.690	39.566839257°N	107.673532963°W	
7,826.00	0.88	123.70	7,707.69	-971.83	-434.39	14,380,209.564	886,930.630	39.566837196°N	107.673529549°W	
7,910.00	0.88	86.96	7,791.68	-972.16	-433.21	14,380,209.240	886,931.811	39.566836404°N	107.673525329°W	
7,956.00	0.88	86.96	7,837.68	-972.12	-432.50	14,380,209.277	886,932.516	39.566836565°N	107.673522833°W	
Proj to TD at 7956 MD/7838 TVD										

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
7,956.00	7,837.68	-972.12	-432.50	Proj to TD at 7956 MD/7838 TVD	

Checked By: _____ Approved By: _____ Date: _____