



End of Well Report

Prepared for



McLin B3

May 29, 2010

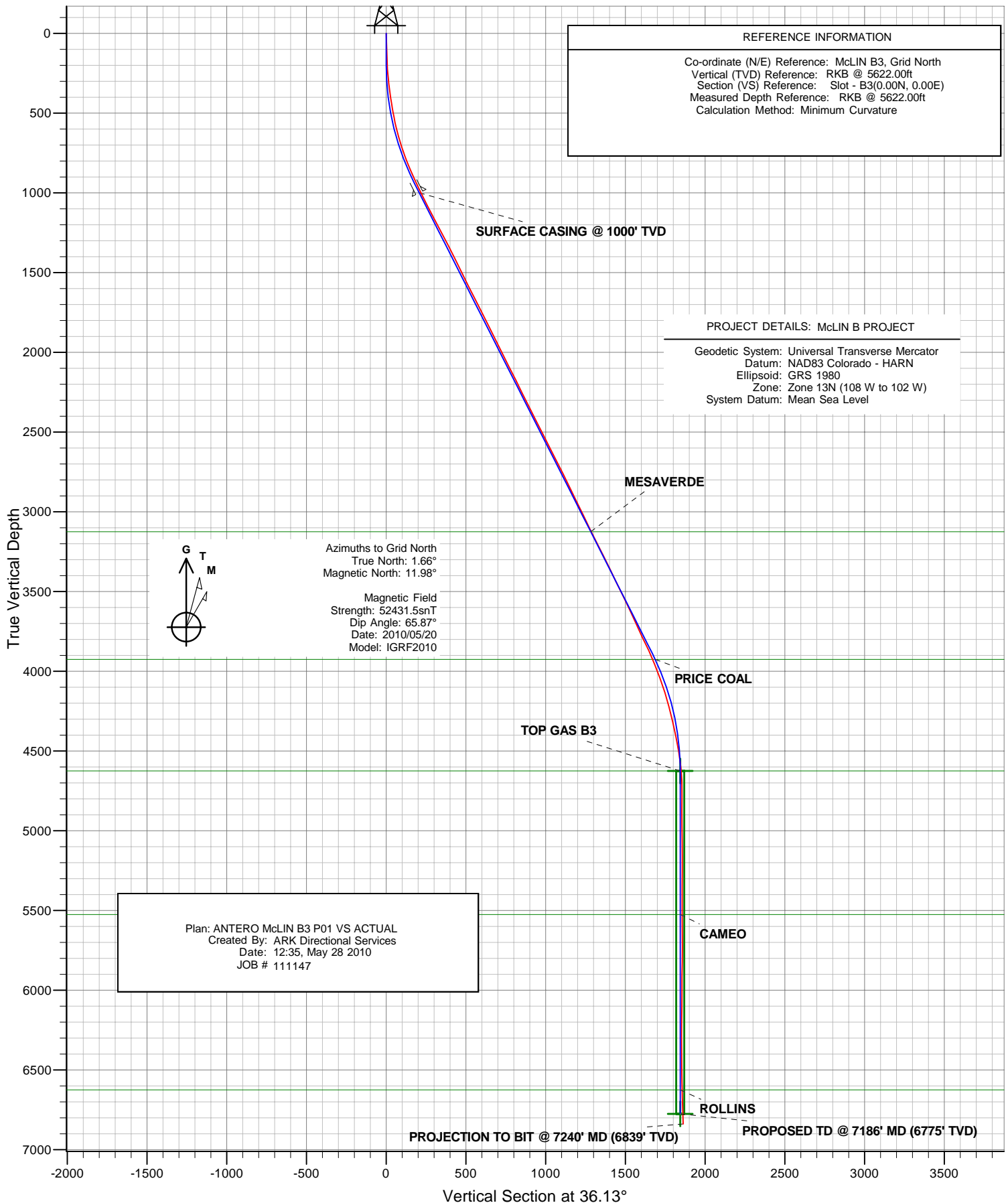
ARK Directional Services Inc
191 University Blvd, # 601
Denver, CO 80206



ANTERO RESOURCES

ANTERO McLIN B3

PLANNED VS ACTUAL

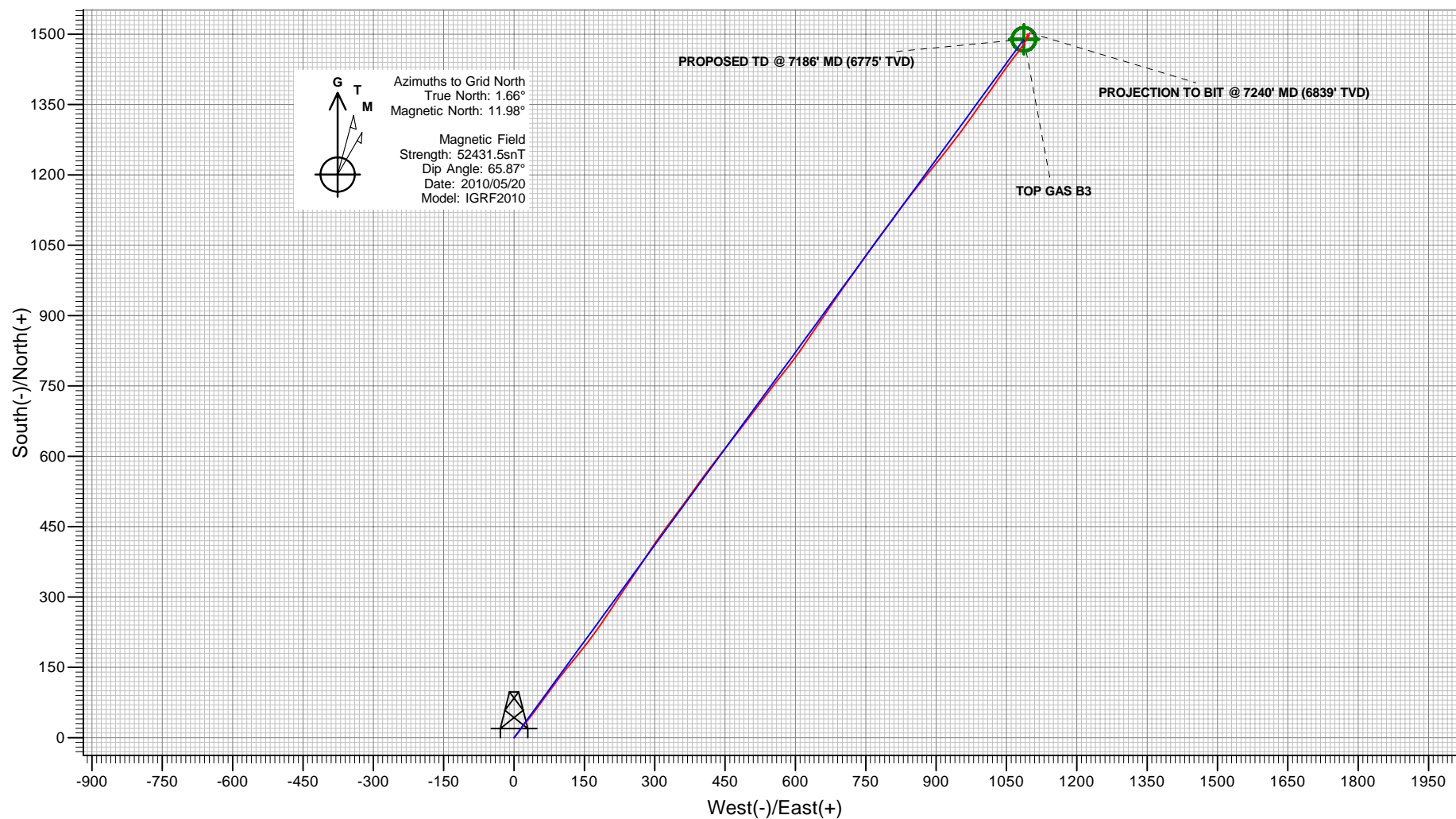




PLAN VIEW

ANTERO RESOURCES

Project: McLIN B PROJECT
Site: FRONTIER 12
Well: McLIN B3 (111147)
Wellbore: ANTERO McLIN B3
Design: ANTERO McLIN B3 P01
JOB # 111147



Plan: ANTERO McLIN B3 P01 VS ACTUAL
Created By: ARK Directional Services
Date: 12:37, May 28 2010

PROJECT DETAILS: McLIN B PROJECT

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: McLIN B3, Grid North
Vertical (TVD) Reference: RKB @ 5622.00ft
Section (VS) Reference: Slot - B3(0.00N, 0.00E)
Measured Depth Reference: RKB @ 5622.00ft
Calculation Method: Minimum Curvature

ANTERO RESOURCES

**McLIN B PROJECT
FRONTIER 12**

Survey: ANTERO McLIN B3 SURVEY

Survey Report - Geographic

28 May, 2010

ARK Directional Services

Survey Report - Geographic

Company:	ANTERO RESOURCES	Local Co-ordinate Reference:	Well McLIN B3 (111147) - Slot B3
Project:	McLIN B PROJECT	TVD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	MD Reference:	RKB @ 5622.00ft
Well:	McLIN B3 (111147)	North Reference:	Grid
Wellbore:	ANTERO McLIN B3	Survey Calculation Method:	Minimum Curvature
Design:	ANTERO McLIN B3	Database:	EDM SERVER DB

Project	McLIN B PROJECT		
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	FRONTIER 12		
Site Position:		Northing:	14,366,636.75 usft
From:	Lat/Long	Easting:	904,982.97 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in
		Latitude:	39° 31' 51.798 N
		Longitude:	107° 36' 29.317 W
		Grid Convergence:	-1.66 °

Well	McLIN B3 (111147) - Slot B3		
Well Position	+N/-S	0.00 ft	Northing: 14,366,627.71 usft
	+E/-W	0.00 ft	Easting: 905,011.58 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	39° 31' 51.717 N
		Longitude:	107° 36' 28.949 W
		Ground Level:	5,598.00 ft

Wellbore	ANTERO McLIN B3				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/05/20	10.32	65.87	52,431

Design	ANTERO McLIN B3				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	36.13	

Survey Program	Date	2010/05/28			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
223.00	7,240.00	ANTERO McLIN B3 SURVEY (ANTERO M	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,366,627.71	905,011.58	39° 31' 51.717 N	107° 36' 28.949 W
223.00	3.78	38.96	222.84	5.72	4.62	14,366,633.43	905,016.20	39° 31' 51.774 N	107° 36' 28.892 W
254.00	5.27	38.08	253.74	7.63	6.14	14,366,635.34	905,017.72	39° 31' 51.794 N	107° 36' 28.873 W
285.00	6.33	37.82	284.58	10.10	8.07	14,366,637.81	905,019.65	39° 31' 51.819 N	107° 36' 28.849 W
316.00	7.21	38.08	315.37	12.99	10.32	14,366,640.70	905,021.90	39° 31' 51.848 N	107° 36' 28.822 W
347.00	7.21	36.05	346.12	16.09	12.66	14,366,643.80	905,024.24	39° 31' 51.879 N	107° 36' 28.793 W
378.00	7.82	35.97	376.85	19.37	15.05	14,366,647.08	905,026.63	39° 31' 51.912 N	107° 36' 28.764 W
408.00	8.26	36.94	406.56	22.74	17.54	14,366,650.45	905,029.12	39° 31' 51.946 N	107° 36' 28.733 W
440.00	8.96	37.47	438.20	26.56	20.44	14,366,654.27	905,032.02	39° 31' 51.985 N	107° 36' 28.698 W
471.00	9.67	40.10	468.79	30.47	23.58	14,366,658.18	905,035.16	39° 31' 52.024 N	107° 36' 28.659 W
502.00	10.20	38.26	499.32	34.61	26.96	14,366,662.32	905,038.54	39° 31' 52.066 N	107° 36' 28.618 W
532.00	10.81	39.14	528.82	38.88	30.38	14,366,666.59	905,041.96	39° 31' 52.109 N	107° 36' 28.575 W

ARK Directional Services

Survey Report - Geographic

Company:	ANTERO RESOURCES	Local Co-ordinate Reference:	Well McLIN B3 (111147) - Slot B3
Project:	McLIN B PROJECT	TVD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	MD Reference:	RKB @ 5622.00ft
Well:	McLIN B3 (111147)	North Reference:	Grid
Wellbore:	ANTERO McLIN B3	Survey Calculation Method:	Minimum Curvature
Design:	ANTERO McLIN B3	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
563.00	11.87	38.79	559.22	43.62	34.21	14,366,671.33	905,045.79	39° 31' 52.157 N	107° 36' 28.528 W
594.00	13.18	37.91	589.48	48.89	38.38	14,366,676.60	905,049.96	39° 31' 52.211 N	107° 36' 28.477 W
624.00	14.59	37.56	618.60	54.59	42.79	14,366,682.30	905,054.37	39° 31' 52.268 N	107° 36' 28.423 W
656.00	16.08	35.71	649.46	61.38	47.83	14,366,689.09	905,059.41	39° 31' 52.337 N	107° 36' 28.361 W
688.00	17.14	35.71	680.12	68.81	53.17	14,366,696.52	905,064.75	39° 31' 52.412 N	107° 36' 28.296 W
719.00	18.11	35.71	709.67	76.43	58.65	14,366,704.14	905,070.23	39° 31' 52.488 N	107° 36' 28.229 W
749.00	18.98	36.68	738.11	84.13	64.28	14,366,711.84	905,075.86	39° 31' 52.566 N	107° 36' 28.160 W
780.00	20.04	36.24	767.33	92.46	70.44	14,366,720.17	905,082.02	39° 31' 52.650 N	107° 36' 28.084 W
811.00	21.09	36.77	796.35	101.21	76.91	14,366,728.92	905,088.49	39° 31' 52.738 N	107° 36' 28.005 W
841.00	21.97	36.06	824.26	110.07	83.45	14,366,737.78	905,095.03	39° 31' 52.828 N	107° 36' 27.925 W
873.00	23.12	36.59	853.82	119.95	90.72	14,366,747.66	905,102.30	39° 31' 52.927 N	107° 36' 27.836 W
904.00	23.99	37.38	882.23	129.85	98.17	14,366,757.56	905,109.75	39° 31' 53.027 N	107° 36' 27.744 W
934.00	24.79	38.70	909.55	139.60	105.81	14,366,767.31	905,117.39	39° 31' 53.126 N	107° 36' 27.651 W
965.00	25.40	39.58	937.63	149.80	114.11	14,366,777.51	905,125.69	39° 31' 53.229 N	107° 36' 27.549 W
1,027.00	26.02	39.05	993.49	170.61	131.15	14,366,798.32	905,142.73	39° 31' 53.439 N	107° 36' 27.339 W
1,123.00	26.72	37.64	1,079.50	204.05	157.59	14,366,831.76	905,169.17	39° 31' 53.777 N	107° 36' 27.014 W
1,217.00	27.69	34.66	1,163.11	238.75	182.92	14,366,866.46	905,194.50	39° 31' 54.127 N	107° 36' 26.704 W
1,311.00	28.04	33.60	1,246.21	275.12	207.57	14,366,902.83	905,219.15	39° 31' 54.493 N	107° 36' 26.403 W
1,406.00	27.30	33.51	1,330.34	311.88	231.95	14,366,939.60	905,243.53	39° 31' 54.864 N	107° 36' 26.105 W
1,500.00	26.63	34.22	1,414.12	347.28	255.70	14,366,974.99	905,267.28	39° 31' 55.220 N	107° 36' 25.816 W
1,594.00	25.93	33.16	1,498.41	381.90	278.79	14,367,009.61	905,290.37	39° 31' 55.568 N	107° 36' 25.534 W
1,689.00	26.28	34.48	1,583.72	416.63	302.06	14,367,044.34	905,313.64	39° 31' 55.918 N	107° 36' 25.250 W
1,783.00	27.42	36.59	1,667.58	451.16	326.74	14,367,078.87	905,338.32	39° 31' 56.266 N	107° 36' 24.948 W
1,878.00	27.16	36.50	1,752.01	486.16	352.68	14,367,113.87	905,364.26	39° 31' 56.619 N	107° 36' 24.630 W
1,972.00	26.63	36.15	1,835.84	520.41	377.87	14,367,148.12	905,389.45	39° 31' 56.965 N	107° 36' 24.321 W
2,067.00	26.28	35.62	1,920.89	554.70	402.68	14,367,182.41	905,414.26	39° 31' 57.311 N	107° 36' 24.018 W
2,162.00	26.63	38.00	2,005.95	588.58	428.03	14,367,216.29	905,439.61	39° 31' 57.652 N	107° 36' 23.707 W
2,256.00	26.63	37.91	2,089.98	621.80	453.95	14,367,249.51	905,465.53	39° 31' 57.988 N	107° 36' 23.388 W
2,350.00	26.63	37.56	2,174.00	655.12	479.73	14,367,282.83	905,491.31	39° 31' 58.325 N	107° 36' 23.072 W
2,445.00	26.54	37.91	2,258.96	688.74	505.75	14,367,316.45	905,517.33	39° 31' 58.664 N	107° 36' 22.752 W
2,540.00	26.63	36.85	2,343.92	722.52	531.56	14,367,350.23	905,543.14	39° 31' 59.005 N	107° 36' 22.436 W
2,634.00	26.72	37.56	2,427.91	756.13	557.08	14,367,383.84	905,568.66	39° 31' 59.344 N	107° 36' 22.123 W
2,728.00	27.33	39.05	2,511.65	789.64	583.56	14,367,417.35	905,595.13	39° 31' 59.683 N	107° 36' 21.797 W
2,822.00	26.72	34.92	2,595.39	823.73	609.25	14,367,451.44	905,620.83	39° 32' 0.027 N	107° 36' 21.482 W
2,917.00	26.89	33.86	2,680.18	859.09	633.44	14,367,486.79	905,645.02	39° 32' 0.383 N	107° 36' 21.187 W
3,011.00	26.54	34.66	2,764.15	894.01	657.23	14,367,521.72	905,668.81	39° 32' 0.735 N	107° 36' 20.896 W
3,106.00	26.02	33.25	2,849.33	928.90	680.73	14,367,556.61	905,692.31	39° 32' 1.086 N	107° 36' 20.609 W
3,200.00	26.10	35.71	2,933.78	962.93	704.10	14,367,590.64	905,715.68	39° 32' 1.429 N	107° 36' 20.324 W
3,295.00	25.93	35.62	3,019.15	996.78	728.40	14,367,624.49	905,739.97	39° 32' 1.770 N	107° 36' 20.026 W
3,389.00	25.58	34.74	3,103.81	1,030.16	751.93	14,367,657.87	905,763.51	39° 32' 2.107 N	107° 36' 19.739 W
3,484.00	27.33	36.50	3,188.86	1,064.55	776.59	14,367,692.26	905,788.17	39° 32' 2.453 N	107° 36' 19.437 W
3,579.00	26.89	36.94	3,273.43	1,099.25	802.47	14,367,726.96	905,814.05	39° 32' 2.803 N	107° 36' 19.119 W
3,673.00	25.58	36.06	3,357.74	1,132.65	827.20	14,367,760.36	905,838.77	39° 32' 3.140 N	107° 36' 18.816 W
3,768.00	25.84	38.61	3,443.34	1,165.41	852.19	14,367,793.12	905,863.77	39° 32' 3.471 N	107° 36' 18.510 W
3,862.00	26.54	39.14	3,527.69	1,197.70	878.23	14,367,825.41	905,889.81	39° 32' 3.798 N	107° 36' 18.190 W
3,957.00	24.79	38.79	3,613.31	1,229.69	904.10	14,367,857.40	905,915.68	39° 32' 4.121 N	107° 36' 17.871 W
4,051.00	24.62	38.00	3,698.71	1,260.48	928.50	14,367,888.19	905,940.08	39° 32' 4.432 N	107° 36' 17.571 W
4,145.00	25.49	36.41	3,783.86	1,292.19	952.57	14,367,919.90	905,964.14	39° 32' 4.752 N	107° 36' 17.276 W
4,240.00	24.80	35.97	3,869.86	1,324.77	976.40	14,367,952.48	905,987.98	39° 32' 5.081 N	107° 36' 16.984 W
4,334.00	21.71	34.74	3,956.21	1,355.02	997.89	14,367,982.72	906,009.47	39° 32' 5.386 N	107° 36' 16.721 W
4,429.00	20.57	35.71	4,044.82	1,383.01	1,017.65	14,368,010.72	906,029.23	39° 32' 5.668 N	107° 36' 16.480 W
4,523.00	17.23	33.34	4,133.74	1,408.05	1,034.94	14,368,035.76	906,046.52	39° 32' 5.920 N	107° 36' 16.268 W
4,617.00	14.77	36.85	4,224.09	1,429.28	1,049.78	14,368,056.98	906,061.36	39° 32' 6.134 N	107° 36' 16.087 W
4,712.00	13.10	38.35	4,316.30	1,447.41	1,063.73	14,368,075.12	906,075.31	39° 32' 6.317 N	107° 36' 15.916 W
4,806.00	11.78	36.85	4,408.09	1,463.44	1,076.09	14,368,091.15	906,087.67	39° 32' 6.479 N	107° 36' 15.764 W

ARK Directional Services

Survey Report - Geographic

Company:	ANTERO RESOURCES	Local Co-ordinate Reference:	Well McLIN B3 (111147) - Slot B3
Project:	McLIN B PROJECT	TVD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	MD Reference:	RKB @ 5622.00ft
Well:	McLIN B3 (111147)	North Reference:	Grid
Wellbore:	ANTERO McLIN B3	Survey Calculation Method:	Minimum Curvature
Design:	ANTERO McLIN B3	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
4,901.00	9.67	31.58	4,501.42	1,478.00	1,086.09	14,368,105.71	906,097.67	39° 32' 6.625 N	107° 36' 15.642 W
4,995.00	6.33	29.29	4,594.50	1,489.25	1,092.76	14,368,116.96	906,104.34	39° 32' 6.738 N	107° 36' 15.561 W
5,025.08	4.95	31.36	4,624.43	1,491.81	1,094.24	14,368,119.51	906,105.82	39° 32' 6.764 N	107° 36' 15.543 W
TOP GAS B3									
5,025.65	4.92	31.41	4,625.00	1,491.85	1,094.27	14,368,119.56	906,105.85	39° 32' 6.765 N	107° 36' 15.542 W
5,090.00	2.02	45.47	4,689.22	1,495.00	1,096.52	14,368,122.71	906,108.10	39° 32' 6.796 N	107° 36' 15.515 W
5,185.00	0.70	238.39	4,784.21	1,495.87	1,097.22	14,368,123.58	906,108.80	39° 32' 6.805 N	107° 36' 15.506 W
5,279.00	0.26	287.08	4,878.21	1,495.63	1,096.52	14,368,123.34	906,108.10	39° 32' 6.803 N	107° 36' 15.515 W
5,373.00	0.50	22.44	4,972.20	1,496.07	1,096.48	14,368,123.78	906,108.05	39° 32' 6.807 N	107° 36' 15.516 W
5,468.00	0.97	15.50	5,067.20	1,497.23	1,096.85	14,368,124.94	906,108.43	39° 32' 6.818 N	107° 36' 15.512 W
5,562.00	0.97	312.57	5,161.19	1,498.53	1,096.48	14,368,126.24	906,108.05	39° 32' 6.831 N	107° 36' 15.517 W
5,656.00	0.53	261.94	5,255.18	1,499.01	1,095.46	14,368,126.72	906,107.04	39° 32' 6.836 N	107° 36' 15.530 W
5,751.00	0.44	260.27	5,350.17	1,498.89	1,094.67	14,368,126.60	906,106.24	39° 32' 6.834 N	107° 36' 15.540 W
5,846.00	0.18	257.99	5,445.17	1,498.80	1,094.16	14,368,126.50	906,105.74	39° 32' 6.833 N	107° 36' 15.546 W
5,925.83	0.22	352.02	5,525.00	1,498.92	1,094.02	14,368,126.63	906,105.59	39° 32' 6.834 N	107° 36' 15.548 W
5,940.00	0.26	359.06	5,539.17	1,498.98	1,094.01	14,368,126.69	906,105.59	39° 32' 6.835 N	107° 36' 15.548 W
6,035.00	0.79	28.94	5,634.17	1,499.77	1,094.33	14,368,127.48	906,105.90	39° 32' 6.843 N	107° 36' 15.545 W
6,129.00	0.70	125.18	5,728.16	1,500.01	1,095.11	14,368,127.71	906,106.69	39° 32' 6.845 N	107° 36' 15.535 W
6,223.00	0.97	210.00	5,822.16	1,498.99	1,095.18	14,368,126.69	906,106.76	39° 32' 6.835 N	107° 36' 15.534 W
6,318.00	0.44	197.96	5,917.15	1,497.94	1,094.67	14,368,125.65	906,106.24	39° 32' 6.825 N	107° 36' 15.540 W
6,412.00	0.18	91.96	6,011.15	1,497.59	1,094.70	14,368,125.30	906,106.28	39° 32' 6.821 N	107° 36' 15.539 W
6,507.00	1.14	207.19	6,106.14	1,496.75	1,094.42	14,368,124.46	906,106.00	39° 32' 6.813 N	107° 36' 15.542 W
6,601.00	0.70	191.72	6,200.13	1,495.35	1,093.87	14,368,123.06	906,105.45	39° 32' 6.799 N	107° 36' 15.549 W
6,695.00	0.44	149.88	6,294.13	1,494.48	1,093.94	14,368,122.19	906,105.52	39° 32' 6.790 N	107° 36' 15.548 W
6,790.00	0.70	66.38	6,389.12	1,494.40	1,094.65	14,368,122.11	906,106.23	39° 32' 6.790 N	107° 36' 15.539 W
6,884.00	0.53	17.17	6,483.12	1,495.04	1,095.31	14,368,122.75	906,106.89	39° 32' 6.796 N	107° 36' 15.530 W
6,979.00	1.14	28.59	6,578.11	1,496.29	1,095.89	14,368,124.00	906,107.47	39° 32' 6.809 N	107° 36' 15.523 W
7,025.90	1.31	29.64	6,625.00	1,497.17	1,096.38	14,368,124.88	906,107.96	39° 32' 6.818 N	107° 36' 15.518 W
7,073.00	1.49	30.44	6,672.08	1,498.16	1,096.96	14,368,125.87	906,108.53	39° 32' 6.828 N	107° 36' 15.511 W
7,175.48	1.95	30.99	6,774.52	1,500.81	1,098.53	14,368,128.52	906,110.11	39° 32' 6.854 N	107° 36' 15.491 W
TD B3									
7,190.00	2.02	31.05	6,789.03	1,501.24	1,098.79	14,368,128.95	906,110.37	39° 32' 6.859 N	107° 36' 15.488 W
7,240.00	2.02	31.05	6,839.00	1,502.75	1,099.70	14,368,130.46	906,111.28	39° 32' 6.874 N	107° 36' 15.477 W
PROJECTION TO BIT @ 7240' MD (6839' TVD)									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,240.00	6,839.00	1,502.75	1,099.70	PROJECTION TO BIT @ 7240' MD (6839' TVD)

Checked By: _____ Approved By: _____ Date: _____