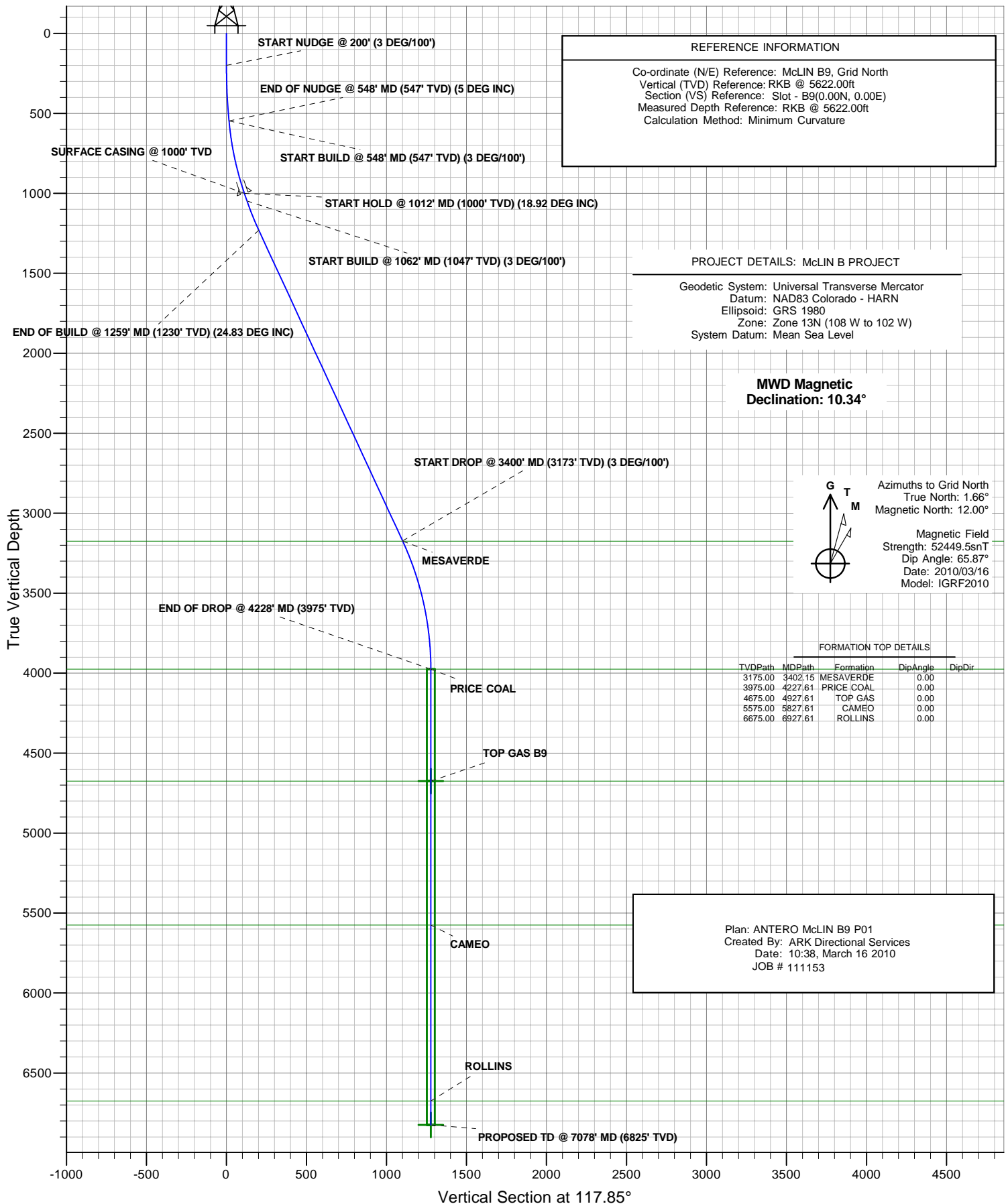




ANTERO RESOURCES

ANTERO McLIN B9



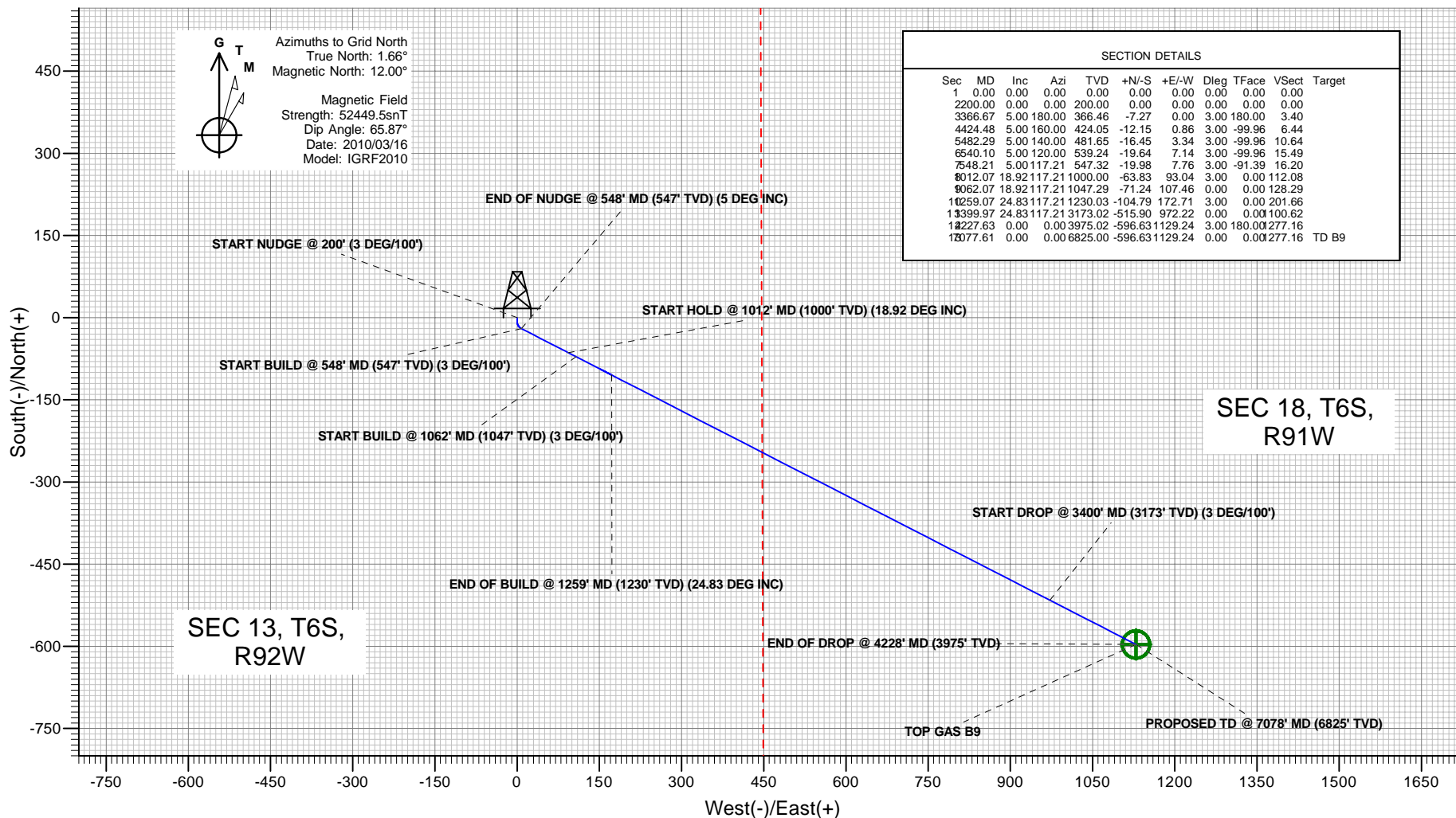


ANTERO RESOURCES



PLAN VIEW

Project: McLIN B PROJECT
Site: FRONTIER 12
Well: McLIN B9 (111153)
Wellbore: ANTERO McLIN B9
Design: ANTERO McLIN B9 P01
JOB # 111153



Plan: ANTERO McLIN B9 P01
Created By: ARK Directional Services
Date: 10:41, March 16 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 B9, Grid North
Vertical (TVD) Reference: RKB @ 5622.00ft
Section (VS) Reference: Slot - B9(0.00N, 0.00E)
Measured Depth Reference: RKB @ 5622.00ft
Calculation Method: Minimum Curvature

ANTERO RESOURCES

**McLIN B PROJECT
FRONTIER 12**

Plan: ANTERO McLIN B9 P01

Standard Planning Report - Geographic

16 March, 2010

ARK Directional Services

Planning Report - Geographic

Database:	EDM SERVER DB	Local Co-ordinate Reference:	Well McLIN B9 (111153) - Slot B9
Company:	ANTERO RESOURCES	TVD Reference:	RKB @ 5622.00ft
Project:	McLIN B PROJECT	MD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	North Reference:	Grid
Well:	McLIN B9 (111153)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B9		
Design:	ANTERO McLIN B9 P01		

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	Latitude:	39° 31' 51.798 N
From:	Lat/Long	Easting:	904,982.97 usft	Longitude:	107° 36' 29.317 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.66 °

Well	McLIN B9 (111153) - Slot B9					
Well Position	+N/-S	0.00 ft	Northing:	14,366,601.74 usft	Latitude:	39° 31' 51.462 N
	+E/-W	0.00 ft	Easting:	905,019.10 usft	Longitude:	107° 36' 28.843 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,598.00 ft

Wellbore	ANTERO McLIN B9				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/03/16	10.34	65.87	52,450

Design	ANTERO McLIN B9 P01			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	117.85

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
366.67	5.00	180.00	366.46	-7.27	0.00	3.00	3.00	0.00	180.00	
424.48	5.00	160.00	424.05	-12.15	0.86	3.00	0.00	-34.60	-99.96	
482.29	5.00	140.00	481.65	-16.45	3.34	3.00	0.00	-34.60	-99.96	
540.10	5.00	120.00	539.24	-19.64	7.14	3.00	0.00	-34.60	-99.96	
548.21	5.00	117.21	547.32	-19.98	7.76	3.00	0.00	-34.42	-91.39	
1,012.07	18.92	117.21	1,000.00	-63.83	93.04	3.00	3.00	0.00	0.00	
1,062.07	18.92	117.21	1,047.30	-71.24	107.46	0.00	0.00	0.00	0.00	
1,259.07	24.83	117.21	1,230.03	-104.79	172.71	3.00	3.00	0.00	0.00	
3,399.97	24.83	117.21	3,173.02	-515.90	972.22	0.00	0.00	0.00	0.00	
4,227.63	0.00	0.00	3,975.02	-596.63	1,129.24	3.00	-3.00	0.00	180.00	
7,077.61	0.00	0.00	6,825.00	-596.63	1,129.24	0.00	0.00	0.00	0.00	TD B9

ARK Directional Services

Planning Report - Geographic

Database:	EDM SERVER DB	Local Co-ordinate Reference:	Well McLIN B9 (111153) - Slot B9
Company:	ANTERO RESOURCES	TVD Reference:	RKB @ 5622.00ft
Project:	McLIN B PROJECT	MD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	North Reference:	Grid
Well:	McLIN B9 (111153)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B9		
Design:	ANTERO McLIN B9 P01		

Planned 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	14,366,601.74	905,019.10	39° 31' 51.462 N	107° 36' 28.843 W
100.00	0.00	0.00	100.00	0.00	0.00	14,366,601.74	905,019.10	39° 31' 51.462 N	107° 36' 28.843 W
200.00	0.00	0.00	200.00	0.00	0.00	14,366,601.74	905,019.10	39° 31' 51.462 N	107° 36' 28.843 W
START NUDGE @ 200' (3 DEG/100')									
300.00	3.00	180.00	299.95	-2.62	0.00	14,366,599.12	905,019.10	39° 31' 51.436 N	107° 36' 28.842 W
366.67	5.00	180.00	366.46	-7.27	0.00	14,366,594.47	905,019.10	39° 31' 51.391 N	107° 36' 28.840 W
400.00	4.93	168.45	399.66	-10.12	0.29	14,366,591.62	905,019.39	39° 31' 51.362 N	107° 36' 28.836 W
424.48	5.00	160.00	424.05	-12.15	0.86	14,366,589.59	905,019.96	39° 31' 51.343 N	107° 36' 28.828 W
482.29	5.00	140.00	481.65	-16.45	3.34	14,366,585.29	905,022.44	39° 31' 51.301 N	107° 36' 28.794 W
500.00	4.94	133.91	499.29	-17.57	4.39	14,366,584.17	905,023.49	39° 31' 51.290 N	107° 36' 28.781 W
540.10	5.00	120.00	539.24	-19.64	7.14	14,366,582.10	905,026.24	39° 31' 51.270 N	107° 36' 28.745 W
548.21	5.00	117.21	547.32	-19.98	7.76	14,366,581.76	905,026.86	39° 31' 51.267 N	107° 36' 28.737 W
END OF NUDGE @ 548' MD (547' TVD) (5 DEG INC) - START BUILD @ 548' MD (547' TVD) (3 DEG/100')									
600.00	6.55	117.21	598.85	-22.36	12.40	14,366,579.38	905,031.50	39° 31' 51.245 N	107° 36' 28.677 W
700.00	9.56	117.21	697.85	-28.77	24.86	14,366,572.97	905,043.96	39° 31' 51.185 N	107° 36' 28.515 W
800.00	12.56	117.21	795.98	-37.54	41.91	14,366,564.20	905,061.01	39° 31' 51.104 N	107° 36' 28.295 W
900.00	15.56	117.21	892.98	-48.64	63.51	14,366,553.10	905,082.61	39° 31' 51.000 N	107° 36' 28.015 W
1,000.00	18.56	117.21	988.57	-62.05	89.59	14,366,539.69	905,108.69	39° 31' 50.875 N	107° 36' 27.677 W
1,012.07	18.92	117.21	1,000.00	-63.83	93.04	14,366,537.91	905,112.14	39° 31' 50.859 N	107° 36' 27.633 W
START HOLD @ 1012' MD (1000' TVD) (18.92 DEG INC) - SURFACE CASING @ 1000' TVD									
1,062.07	18.92	117.21	1,047.30	-71.24	107.46	14,366,530.50	905,126.56	39° 31' 50.789 N	107° 36' 27.446 W
START BUILD @ 1062' MD (1047' TVD) (3 DEG/100')									
1,100.00	20.06	117.21	1,083.05	-77.03	118.71	14,366,524.72	905,137.81	39° 31' 50.736 N	107° 36' 27.300 W
1,200.00	23.06	117.21	1,176.05	-93.82	151.39	14,366,507.92	905,170.49	39° 31' 50.579 N	107° 36' 26.877 W
1,259.07	24.83	117.21	1,230.03	-104.79	172.71	14,366,496.95	905,191.81	39° 31' 50.477 N	107° 36' 26.602 W
END OF BUILD @ 1259' MD (1230' TVD) (24.83 DEG INC)									
1,300.00	24.83	117.21	1,267.18	-112.65	187.99	14,366,489.09	905,207.09	39° 31' 50.404 N	107° 36' 26.404 W
1,400.00	24.83	117.21	1,357.93	-131.85	225.34	14,366,469.89	905,244.44	39° 31' 50.225 N	107° 36' 25.920 W
1,500.00	24.83	117.21	1,448.69	-151.05	262.68	14,366,450.69	905,281.78	39° 31' 50.046 N	107° 36' 25.437 W
1,600.00	24.83	117.21	1,539.44	-170.26	300.03	14,366,431.49	905,319.13	39° 31' 49.867 N	107° 36' 24.953 W
1,700.00	24.83	117.21	1,630.20	-189.46	337.37	14,366,412.28	905,356.47	39° 31' 49.688 N	107° 36' 24.470 W
1,800.00	24.83	117.21	1,720.95	-208.66	374.72	14,366,393.08	905,393.82	39° 31' 49.509 N	107° 36' 23.987 W
1,900.00	24.83	117.21	1,811.71	-227.86	412.06	14,366,373.88	905,431.16	39° 31' 49.330 N	107° 36' 23.503 W
2,000.00	24.83	117.21	1,902.47	-247.07	449.41	14,366,354.67	905,468.51	39° 31' 49.151 N	107° 36' 23.020 W
2,100.00	24.83	117.21	1,993.22	-266.27	486.75	14,366,335.47	905,505.85	39° 31' 48.972 N	107° 36' 22.536 W
2,200.00	24.83	117.21	2,083.98	-285.47	524.10	14,366,316.27	905,543.20	39° 31' 48.793 N	107° 36' 22.053 W
2,300.00	24.83	117.21	2,174.73	-304.67	561.44	14,366,297.07	905,580.54	39° 31' 48.614 N	107° 36' 21.570 W
2,400.00	24.83	117.21	2,265.49	-323.88	598.79	14,366,277.86	905,617.89	39° 31' 48.435 N	107° 36' 21.086 W
2,500.00	24.83	117.21	2,356.25	-343.08	636.13	14,366,258.66	905,655.23	39° 31' 48.256 N	107° 36' 20.603 W
2,600.00	24.83	117.21	2,447.00	-362.28	673.48	14,366,239.46	905,692.58	39° 31' 48.077 N	107° 36' 20.119 W
2,700.00	24.83	117.21	2,537.76	-381.49	710.82	14,366,220.26	905,729.92	39° 31' 47.898 N	107° 36' 19.636 W
2,800.00	24.83	117.21	2,628.51	-400.69	748.17	14,366,201.05	905,767.27	39° 31' 47.719 N	107° 36' 19.152 W
2,900.00	24.83	117.21	2,719.27	-419.89	785.51	14,366,181.85	905,804.61	39° 31' 47.540 N	107° 36' 18.669 W
3,000.00	24.83	117.21	2,810.02	-439.09	822.86	14,366,162.65	905,841.96	39° 31' 47.361 N	107° 36' 18.186 W
3,100.00	24.83	117.21	2,900.78	-458.30	860.20	14,366,143.45	905,879.30	39° 31' 47.182 N	107° 36' 17.702 W
3,200.00	24.83	117.21	2,991.54	-477.50	897.55	14,366,124.24	905,916.65	39° 31' 47.003 N	107° 36' 17.219 W
3,300.00	24.83	117.21	3,082.29	-496.70	934.89	14,366,105.04	905,953.99	39° 31' 46.824 N	107° 36' 16.735 W
3,399.97	24.83	117.21	3,173.02	-515.90	972.23	14,366,085.84	905,991.32	39° 31' 46.645 N	107° 36' 16.252 W
START DROP @ 3400' MD (3173' TVD) (3 DEG/100')									
3,402.15	24.76	117.21	3,175.00	-516.32	973.04	14,366,085.43	905,992.14	39° 31' 46.641 N	107° 36' 16.242 W
MESAVERDE									
3,500.00	21.83	117.21	3,264.86	-534.01	1,007.45	14,366,067.73	906,026.55	39° 31' 46.476 N	107° 36' 15.796 W
3,600.00	18.83	117.21	3,358.62	-549.90	1,038.34	14,366,051.85	906,057.44	39° 31' 46.328 N	107° 36' 15.396 W
3,700.00	15.83	117.21	3,454.07	-563.51	1,064.83	14,366,038.23	906,083.93	39° 31' 46.201 N	107° 36' 15.053 W

ARK Directional Services

Planning Report - Geographic

Database:	EDM SERVER DB	Local Co-ordinate Reference:	Well McLIN B9 (111153) - Slot B9
Company:	ANTERO RESOURCES	TVD Reference:	RKB @ 5622.00ft
Project:	McLIN B PROJECT	MD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	North Reference:	Grid
Well:	McLIN B9 (111153)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B9		
Design:	ANTERO McLIN B9 P01		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,800.00	12.83	117.21	3,550.95	-574.83	1,086.84	14,366,026.91	906,105.93	39° 31' 46.096 N	107° 36' 14.769 W
3,900.00	9.83	117.21	3,648.99	-583.81	1,104.30	14,366,017.93	906,123.40	39° 31' 46.012 N	107° 36' 14.543 W
4,000.00	6.83	117.21	3,747.92	-590.44	1,117.19	14,366,011.31	906,136.28	39° 31' 45.950 N	107° 36' 14.376 W
4,100.00	3.83	117.21	3,847.48	-594.68	1,125.44	14,366,007.06	906,144.54	39° 31' 45.911 N	107° 36' 14.269 W
4,200.00	0.83	117.21	3,947.39	-596.54	1,129.06	14,366,005.20	906,148.16	39° 31' 45.893 N	107° 36' 14.222 W
4,227.61	0.00	117.21	3,975.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
PRICE COAL									
4,227.63	0.00	117.21	3,975.02	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
END OF DROP @ 4228' MD (3975' TVD)									
4,300.00	0.00	0.00	4,047.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,400.00	0.00	0.00	4,147.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,500.00	0.00	0.00	4,247.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,600.00	0.00	0.00	4,347.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,700.00	0.00	0.00	4,447.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,800.00	0.00	0.00	4,547.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,900.00	0.00	0.00	4,647.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
4,927.61	0.00	0.00	4,675.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
TOP GAS - TOP GAS B9									
5,000.00	0.00	0.00	4,747.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,100.00	0.00	0.00	4,847.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,200.00	0.00	0.00	4,947.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,300.00	0.00	0.00	5,047.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,400.00	0.00	0.00	5,147.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,500.00	0.00	0.00	5,247.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,600.00	0.00	0.00	5,347.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,700.00	0.00	0.00	5,447.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,800.00	0.00	0.00	5,547.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
5,827.61	0.00	0.00	5,575.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
CAMEO									
5,900.00	0.00	0.00	5,647.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,000.00	0.00	0.00	5,747.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,100.00	0.00	0.00	5,847.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,200.00	0.00	0.00	5,947.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,300.00	0.00	0.00	6,047.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,400.00	0.00	0.00	6,147.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,500.00	0.00	0.00	6,247.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,600.00	0.00	0.00	6,347.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,700.00	0.00	0.00	6,447.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,800.00	0.00	0.00	6,547.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,900.00	0.00	0.00	6,647.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
6,927.61	0.00	0.00	6,675.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
ROLLINS									
7,000.00	0.00	0.00	6,747.39	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
7,077.58	0.00	0.00	6,824.97	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
PROPOSE DTD @ 7078' MD (6825' TVD)									
7,077.61	0.00	0.00	6,825.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
TD B9									

ARK Directional Services

Planning Report - Geographic

Database:	EDM SERVER DB	Local Co-ordinate Reference:	Well McLIN B9 (111153) - Slot B9
Company:	ANTERO RESOURCES	TVD Reference:	RKB @ 5622.00ft
Project:	McLIN B PROJECT	MD Reference:	RKB @ 5622.00ft
Site:	FRONTIER 12	North Reference:	Grid
Well:	McLIN B9 (111153)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B9		
Design:	ANTERO McLIN B9 P01		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
TOP GAS B9	0.00	0.00	4,675.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
- plan hits target center									
- Circle (radius 25.00)									
TD B9	0.00	0.00	6,825.00	-596.63	1,129.24	14,366,005.11	906,148.33	39° 31' 45.893 N	107° 36' 14.220 W
- plan hits target center									
- Circle (radius 25.00)									

Casing Points				
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(ft)	(ft)		(in)	(in)
1,012.07	1,000.00	SURFACE CASING @ 1000' TVD	9.62	12.25

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
3,402.15	3,175.00	MESAVERDE		0.00	
4,227.61	3,975.00	PRICE COAL		0.00	
4,927.61	4,675.00	TOP GAS		0.00	
5,827.61	5,575.00	CAMEO		0.00	
6,927.61	6,675.00	ROLLINS		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.00	200.00	0.00	0.00	START NUDGE @ 200' (3 DEG/100')
548.21	547.32	-19.98	7.76	END OF NUDGE @ 548' MD (547' TVD) (5 DEG INC)
548.21	547.32	-19.98	7.76	START BUILD @ 548' MD (547' TVD) (3 DEG/100')
1,012.07	1,000.00	-63.83	93.04	START HOLD @ 1012' MD (1000' TVD) (18.92 DEG INC)
1,062.07	1,047.30	-71.24	107.46	START BUILD @ 1062' MD (1047' TVD) (3 DEG/100')
1,259.07	1,230.03	-104.79	172.71	END OF BUILD @ 1259' MD (1230' TVD) (24.83 DEG INC)
3,399.97	3,173.02	-515.90	972.23	START DROP @ 3400' MD (3173' TVD) (3 DEG/100')
4,227.63	3,975.02	-596.63	1,129.24	END OF DROP @ 4228' MD (3975' TVD)
7,077.58	6,824.97	-596.63	1,129.24	PROPOSE DTD @ 7078' MD (6825' TVD)