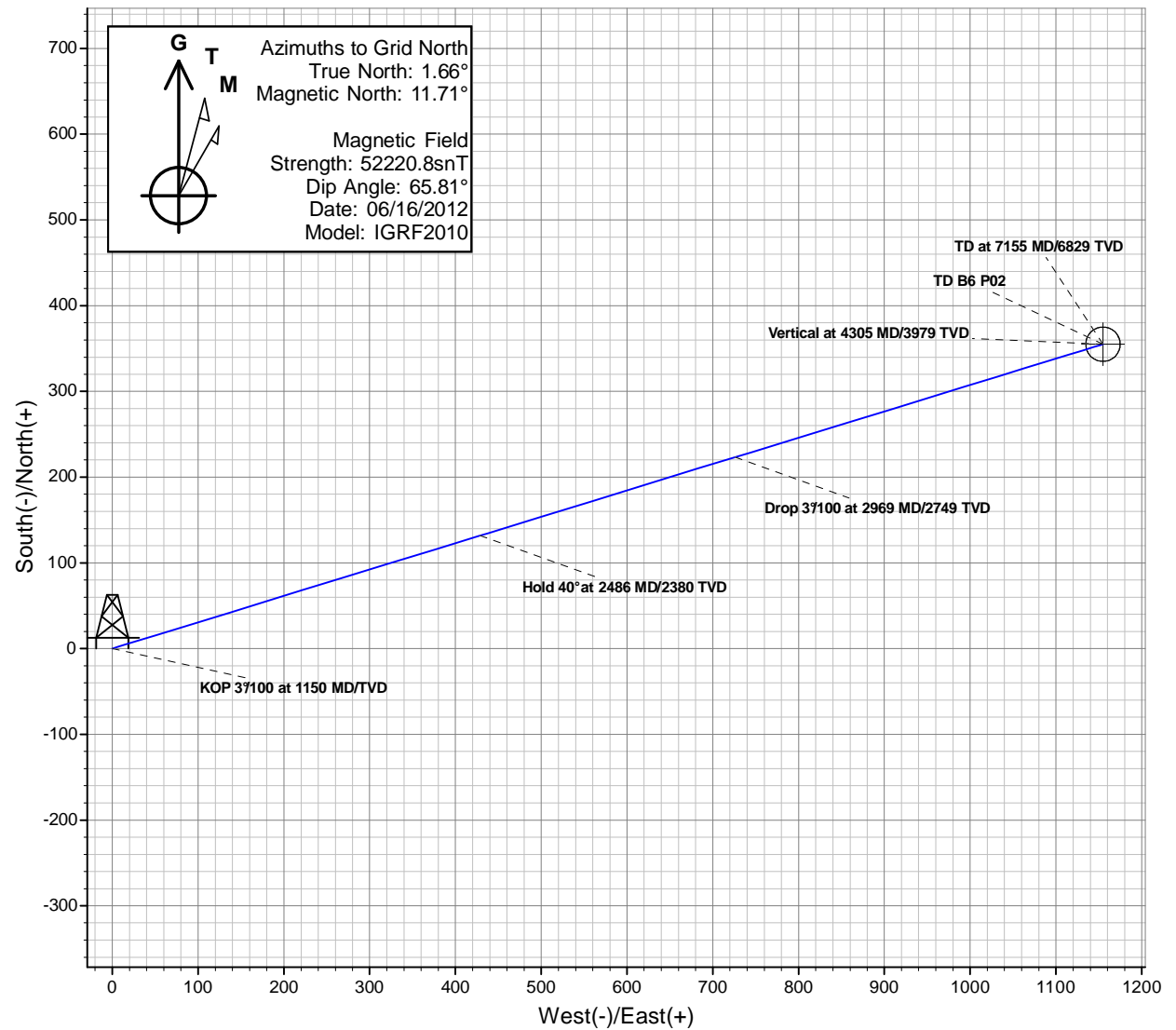
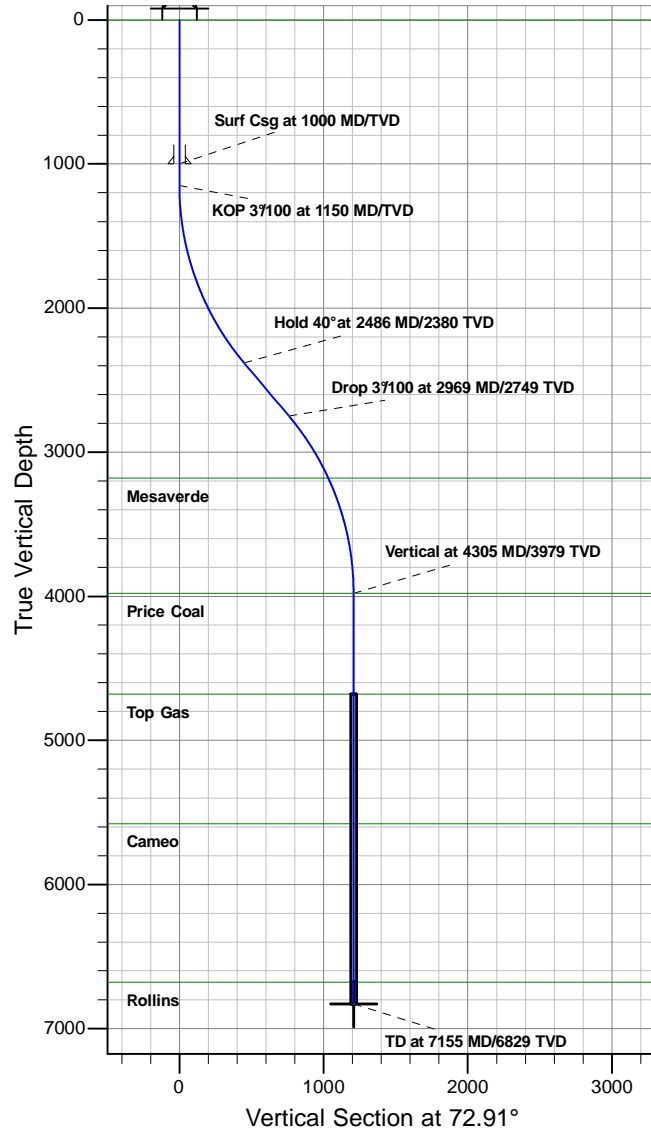




Antero Resources

McLIN B06 (111150)
P02



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well McLIN B06 (111150), Grid North
Vertical (TVD) Reference: RKB @ 5622.00ft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 5622.00ft
Calculation Method: Minimum Curvature

PROJECT DETAILS: McLIN

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

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1150.00	0.00	0.00	1150.00	0.00	0.00	0.00	0.00	0.00	
2486.06	40.08	72.91	2379.72	131.82	428.77	3.00	72.91	448.57	
2969.07	40.08	72.91	2749.28	223.22	726.03	0.00	0.00	759.57	
4305.12	0.00	72.91	3979.00	355.04	1154.80	3.00	180.00	1208.15	
7155.12	0.00	72.91	6829.00	355.04	1154.80	0.00	72.91	1208.15	TD B6 P02

Antero Resources

McLin

McLin B

McLIN B06 (111150)

ANTERO McLIN B6

Plan: P02

Standard Planning Report - Geographic

20 March, 2012

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well McLIN B06 (111150)
Company:	Antero Resources	TVD Reference:	RKB @ 5622.00ft
Project:	McLin	MD Reference:	RKB @ 5622.00ft
Site:	McLin B	North Reference:	Grid
Well:	McLin B06 (111150)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B6		
Design:	P02		

Project	McLin		
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		McLin B			
Site Position:		Northing:	14,366,636.75 usft	Latitude:	39.531054942°N
From:	Lat/Long	Easting:	904,982.97 usft	Longitude:	107.608143570°W
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.66 °

Well	McLIN B06 (111150)					
Well Position	+N/-S	0.00 ft	Northing:	14,366,614.16 usft	Latitude:	39.530998649°N
	+E/-W	0.00 ft	Easting:	905,054.49 usft	Longitude:	107.607887868°W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,598.00 ft

Wellbore	ANTERO McLIN B6				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/16/12	10.05	65.81	52,221

Design	P02			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	6,829.00	0.00	0.00	72.91

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	
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,486.06	40.08	72.91	2,379.72	131.82	428.77	3.00	3.00	0.00	72.91	
2,969.07	40.08	72.91	2,749.28	223.22	726.03	0.00	0.00	0.00	0.00	
4,305.12	0.00	72.91	3,979.00	355.04	1,154.80	3.00	-3.00	0.00	180.00	
7,155.12	0.00	72.91	6,829.00	355.04	1,154.80	0.00	0.00	0.00	72.91	TD B6 P02

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well McLIN B06 (111150)
Company:	Antero Resources	TVD Reference:	RKB @ 5622.00ft
Project:	McLin	MD Reference:	RKB @ 5622.00ft
Site:	McLin B	North Reference:	Grid
Well:	McLIN B06 (111150)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B6		
Design:	P02		

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	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
Wasatch									
100.00	0.00	0.00	100.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
200.00	0.00	0.00	200.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
300.00	0.00	0.00	300.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
400.00	0.00	0.00	400.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
500.00	0.00	0.00	500.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
600.00	0.00	0.00	600.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
700.00	0.00	0.00	700.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
800.00	0.00	0.00	800.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
900.00	0.00	0.00	900.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
Surf Csg at 1000 MD/TVD									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
1,150.00	0.00	0.00	1,150.00	0.00	0.00	14,366,614.16	905,054.49	39.530998649°N	107.607887868°W
KOP 3°/100 at 1150 MD/TVD									
1,200.00	1.50	72.91	1,199.99	0.19	0.63	14,366,614.35	905,055.11	39.530999226°N	107.607885672°W
1,300.00	4.50	72.91	1,299.85	1.73	5.63	14,366,615.89	905,060.11	39.531003843°N	107.607868108°W
1,400.00	7.50	72.91	1,399.29	4.80	15.62	14,366,618.96	905,070.10	39.531013065°N	107.607833029°W
1,500.00	10.50	72.91	1,498.04	9.40	30.57	14,366,623.56	905,085.05	39.531026865°N	107.607780531°W
1,600.00	13.50	72.91	1,595.85	15.51	50.44	14,366,629.67	905,104.93	39.531045207°N	107.607710757°W
1,700.00	16.50	72.91	1,692.43	23.11	75.18	14,366,637.27	905,129.66	39.531068039°N	107.607623899°W
1,800.00	19.50	72.91	1,787.52	32.19	104.71	14,366,646.35	905,159.20	39.531095300°N	107.607520194°W
1,900.00	22.50	72.91	1,880.87	42.72	138.96	14,366,656.88	905,193.45	39.531126915°N	107.607399928°W
2,000.00	25.50	72.91	1,972.22	54.67	177.83	14,366,668.84	905,232.32	39.531162796°N	107.607263429°W
2,100.00	28.50	72.91	2,061.31	68.01	221.22	14,366,682.18	905,275.71	39.531202845°N	107.607111072°W
2,200.00	31.50	72.91	2,147.90	82.71	269.01	14,366,696.87	905,323.49	39.531246953°N	107.606943274°W
2,300.00	34.50	72.91	2,231.76	98.71	321.06	14,366,712.87	905,375.55	39.531294999°N	107.606760495°W
2,400.00	37.50	72.91	2,312.65	115.98	377.24	14,366,730.14	905,431.72	39.531346851°N	107.606563237°W
2,486.06	40.08	72.91	2,379.72	131.82	428.77	14,366,745.98	905,483.25	39.531394411°N	107.606382303°W
Hold 40° at 2486 MD/2380 TVD									
2,500.00	40.08	72.91	2,390.39	134.46	437.35	14,366,748.62	905,491.83	39.531402332°N	107.606352169°W
2,600.00	40.08	72.91	2,466.90	153.38	498.89	14,366,767.54	905,553.38	39.531459138°N	107.606136060°W
2,700.00	40.08	72.91	2,543.41	172.31	560.44	14,366,786.47	905,614.92	39.531515943°N	107.605919950°W
2,800.00	40.08	72.91	2,619.93	191.23	621.98	14,366,805.39	905,676.47	39.531572748°N	107.605703840°W
2,900.00	40.08	72.91	2,696.44	210.15	683.53	14,366,824.31	905,738.01	39.531629552°N	107.605487730°W
2,969.07	40.08	72.91	2,749.28	223.22	726.03	14,366,837.38	905,780.52	39.531668784°N	107.605338473°W
Drop 3°/100 at 2969 MD/2749 TVD									
3,000.00	39.15	72.91	2,773.11	229.02	744.89	14,366,843.18	905,799.37	39.531686187°N	107.605272266°W
3,100.00	36.15	72.91	2,852.27	246.97	803.27	14,366,861.13	905,857.76	39.531740074°N	107.605067252°W
3,200.00	33.15	72.91	2,934.53	263.67	857.62	14,366,877.83	905,912.10	39.531790231°N	107.604876424°W
3,300.00	30.15	72.91	3,019.64	279.09	907.77	14,366,893.25	905,962.26	39.531836523°N	107.604700306°W
3,400.00	27.15	72.91	3,107.38	293.18	953.60	14,366,907.34	906,008.09	39.531878820°N	107.604539380°W
3,479.66	24.76	72.91	3,179.00	303.43	986.93	14,366,917.59	906,041.41	39.531909579°N	107.604422354°W
Mesaverde									
3,500.00	24.15	72.91	3,197.51	305.91	994.98	14,366,920.07	906,049.46	39.531917009°N	107.604394088°W
3,600.00	21.15	72.91	3,289.79	317.22	1,031.79	14,366,931.38	906,086.27	39.531950983°N	107.604264827°W
3,700.00	18.15	72.91	3,383.95	327.11	1,063.93	14,366,941.27	906,118.42	39.531980650°N	107.604151953°W
3,800.00	15.15	72.91	3,479.75	335.53	1,091.32	14,366,949.69	906,145.81	39.532005930°N	107.604055774°W
3,900.00	12.15	72.91	3,576.91	342.46	1,113.88	14,366,956.62	906,168.37	39.532026751°N	107.603976554°W
4,000.00	9.15	72.91	3,675.18	347.90	1,131.55	14,366,962.06	906,186.04	39.532043058°N	107.603914510°W
4,100.00	6.15	72.91	3,774.27	351.81	1,144.28	14,366,965.97	906,198.77	39.532054806°N	107.603869813°W
4,200.00	3.15	72.91	3,873.93	354.19	1,152.04	14,366,968.35	906,206.52	39.532061963°N	107.603842585°W
4,300.00	0.15	72.91	3,973.88	355.04	1,154.79	14,366,969.20	906,209.28	39.532064508°N	107.603832900°W

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well McLIN B06 (111150)
Company:	Antero Resources	TVD Reference:	RKB @ 5622.00ft
Project:	McLin	MD Reference:	RKB @ 5622.00ft
Site:	McLin B	North Reference:	Grid
Well:	McLIN B06 (111150)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B6		
Design:	P02		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,305.12	0.00	72.91	3,979.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
Vertical at 4305 MD/3979 TVD - Price Coal									
4,400.00	0.00	72.91	4,073.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
4,500.00	0.00	72.91	4,173.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
4,600.00	0.00	72.91	4,273.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
4,700.00	0.00	72.91	4,373.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
4,800.00	0.00	72.91	4,473.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
4,900.00	0.00	72.91	4,573.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,000.00	0.00	72.91	4,673.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,005.12	0.00	72.91	4,679.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
Top Gas									
5,100.00	0.00	72.91	4,773.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,200.00	0.00	72.91	4,873.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,300.00	0.00	72.91	4,973.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,400.00	0.00	72.91	5,073.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,500.00	0.00	72.91	5,173.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,600.00	0.00	72.91	5,273.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,700.00	0.00	72.91	5,373.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,800.00	0.00	72.91	5,473.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,900.00	0.00	72.91	5,573.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
5,905.12	0.00	72.91	5,579.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
Cameo									
6,000.00	0.00	72.91	5,673.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,100.00	0.00	72.91	5,773.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,200.00	0.00	72.91	5,873.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,300.00	0.00	72.91	5,973.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,400.00	0.00	72.91	6,073.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,500.00	0.00	72.91	6,173.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,600.00	0.00	72.91	6,273.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,700.00	0.00	72.91	6,373.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,800.00	0.00	72.91	6,473.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
6,900.00	0.00	72.91	6,573.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
7,000.00	0.00	72.91	6,673.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
7,005.12	0.00	72.91	6,679.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
Rollins									
7,100.00	0.00	72.91	6,773.88	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
7,155.12	0.00	72.91	6,829.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
TD at 7155 MD/6829 TVD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TD B6 P02	0.00	360.00	6,829.00	355.04	1,154.80	14,366,969.20	906,209.28	39.532064514°N	107.603832877°W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 20.00)									

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well McLIN B06 (111150)
Company:	Antero Resources	TVD Reference:	RKB @ 5622.00ft
Project:	McLin	MD Reference:	RKB @ 5622.00ft
Site:	McLin B	North Reference:	Grid
Well:	McLIN B06 (111150)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ANTERO McLIN B6		
Design:	P02		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,000.00	1,000.00	Surf Csg at 1000 MD/TVD	9.62	12.25	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
0.00	0.00	Wasatch			
3,479.66	3,179.00	Mesaverde			
4,305.12	3,979.00	Price Coal			
5,005.12	4,679.00	Top Gas			
5,905.12	5,579.00	Cameo			
7,005.12	6,679.00	Rollins			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,150.00	1,150.00	0.00	0.00	KOP 3°/100 at 1150 MD/TVD	
2,486.06	2,379.72	131.82	428.77	Hold 40° at 2486 MD/2380 TVD	
2,969.07	2,749.28	223.22	726.03	Drop 3°/100 at 2969 MD/2749 TVD	
4,305.12	3,979.00	355.04	1,154.80	Vertical at 4305 MD/3979 TVD	
7,155.12	6,829.00	355.04	1,154.80	TD at 7155 MD/6829 TVD	