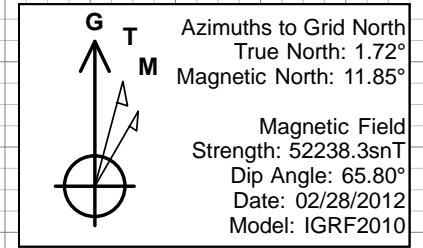
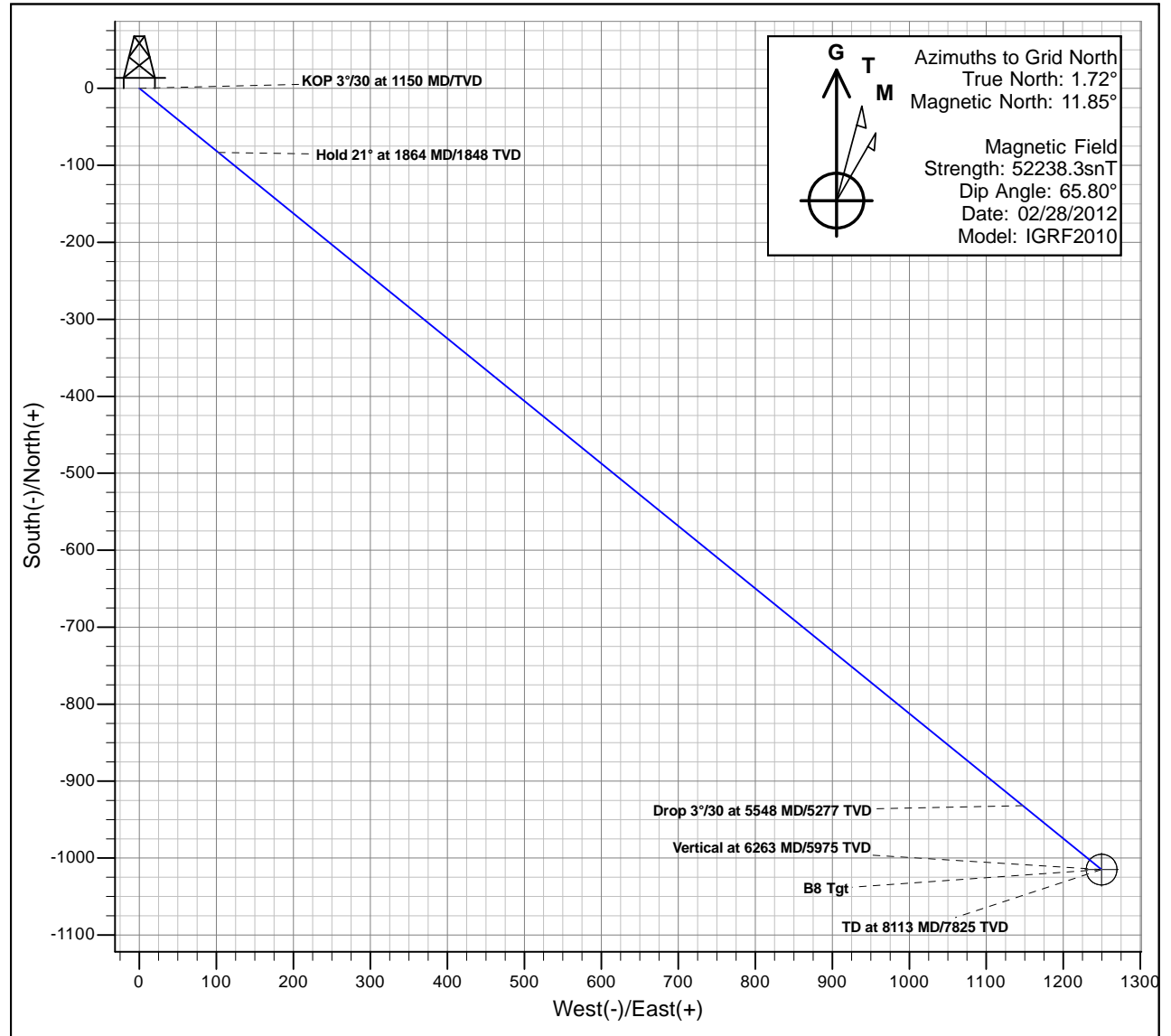
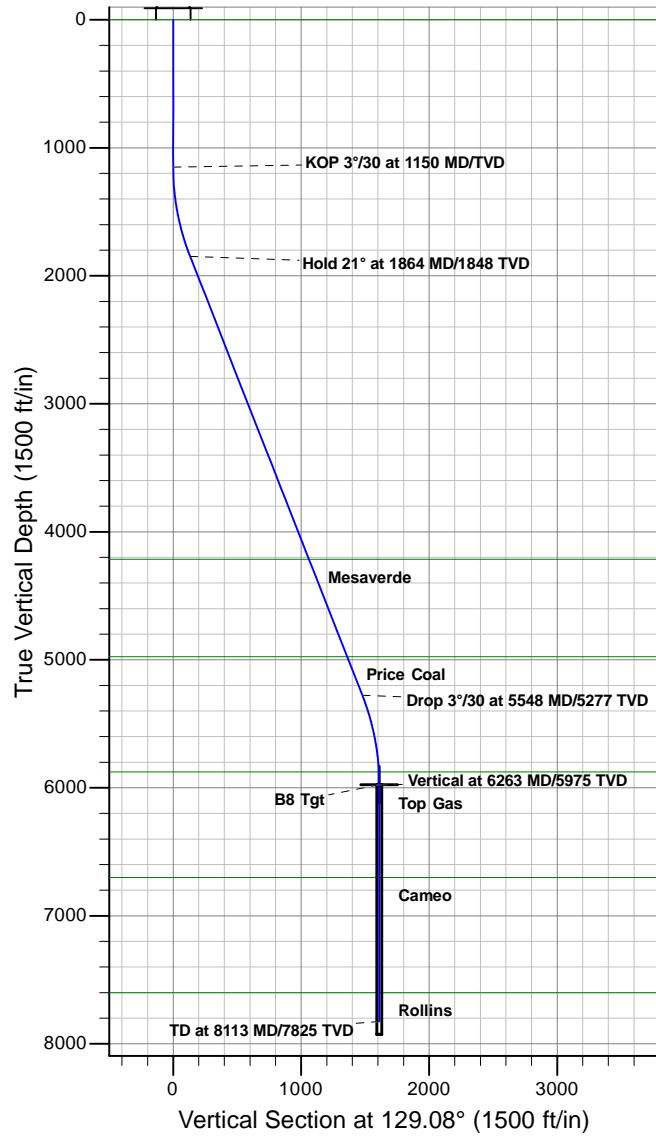




Antero Resources

Gentry B08 (111422)
Gentry B08 P02



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Gentry B08 (111422) - Slot B8, Grid North
Vertical (TVD) Reference: KB @ 5648.00ft (Original Well Elev)
Section (VS) Reference: Slot - B8(0.00N, 0.00E)
Measured Depth Reference: KB @ 5648.00ft (Original Well Elev)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Gentry

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

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	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	
1864.25	21.43	129.08	1847.72	-83.23	102.47	3.00	129.08	132.01	
5548.47	21.43	129.08	5277.28	-931.77	1147.23	0.00	0.00	1477.95	
6262.72	0.00	129.08	5975.00	-1014.99	1249.70	3.00	180.00	1609.96	B8 Tgt
8112.72	0.00	129.08	7825.00	-1014.99	1249.70	0.00	129.08	1609.96	

Antero Resources

Gentry

Gentry B

Gentry B08 (111422) - Slot B8

Gentry B08

Plan: Gentry B08 P02

Standard Planning Report - Geographic

29 December, 2011

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B08 (111422) - Slot B8
Company:	Antero Resources	TVD Reference:	KB @ 5648.00ft (Original Well Elev)
Project:	Gentry	MD Reference:	KB @ 5648.00ft (Original Well Elev)
Site:	Gentry B	North Reference:	Grid
Well:	Gentry B08 (111422)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B08		
Design:	Gentry B08 P02		

Project	Gentry		
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		Gentry B			
Site Position:		Northing:	14,366,383.28 usft	Latitude:	39.528393199°N
From:	Map	Easting:	880,664.23 usft	Longitude:	107.694272643°W
Position Uncertainty:	0.00 ft	Slot Radius:	13.20 in	Grid Convergence:	-1.72 °

Well	Gentry B08 (111422) - Slot B8					
Well Position	+N/-S	0.00 ft	Northing:	14,366,371.62 usft	Latitude:	39.528366044°N
	+E/-W	0.00 ft	Easting:	880,723.09 usft	Longitude:	107.694062904°W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,624.00 ft

Wellbore	Gentry B08				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	02/28/12	10.13	65.80	52,238

Design	Gentry B08 P02			
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	129.08

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	
1,864.25	21.43	129.08	1,847.72	-83.23	102.47	3.00	3.00	0.00	129.08	
5,548.47	21.43	129.08	5,277.28	-931.77	1,147.23	0.00	0.00	0.00	0.00	
6,262.72	0.00	129.08	5,975.00	-1,014.99	1,249.70	3.00	-3.00	0.00	180.00	B8 Tgt
8,112.72	0.00	129.08	7,825.00	-1,014.99	1,249.70	0.00	0.00	0.00	129.08	

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B08 (111422) - Slot B8
Company:	Antero Resources	TVD Reference:	KB @ 5648.00ft (Original Well Elev)
Project:	Gentry	MD Reference:	KB @ 5648.00ft (Original Well Elev)
Site:	Gentry B	North Reference:	Grid
Well:	Gentry B08 (111422)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B08		
Design:	Gentry B08 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	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
Wasatch									
100.00	0.00	0.00	100.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
200.00	0.00	0.00	200.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
300.00	0.00	0.00	300.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
400.00	0.00	0.00	400.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
500.00	0.00	0.00	500.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
600.00	0.00	0.00	600.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
700.00	0.00	0.00	700.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
800.00	0.00	0.00	800.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
900.00	0.00	0.00	900.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
Surf Csg at 1000									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
1,150.00	0.00	0.00	1,150.00	0.00	0.00	14,366,371.62	880,723.09	39.528366044°N	107.694062904°W
KOP 3°/30 at 1150 MD/TVD									
1,200.00	1.50	129.08	1,199.99	-0.41	0.51	14,366,371.20	880,723.60	39.528364954°N	107.694061061°W
1,300.00	4.50	129.08	1,299.85	-3.71	4.57	14,366,367.90	880,727.66	39.528356237°N	107.694046321°W
1,400.00	7.50	129.08	1,399.29	-10.30	12.68	14,366,361.31	880,735.77	39.528338827°N	107.694016881°W
1,500.00	10.50	129.08	1,498.04	-20.16	24.82	14,366,351.45	880,747.91	39.528312772°N	107.693972823°W
1,600.00	13.50	129.08	1,595.85	-33.27	40.96	14,366,338.35	880,764.05	39.528278142°N	107.693914266°W
1,700.00	16.50	129.08	1,692.43	-49.58	61.05	14,366,322.03	880,784.14	39.528235034°N	107.693841372°W
1,800.00	19.50	129.08	1,787.52	-69.06	85.03	14,366,302.55	880,808.12	39.528183564°N	107.693754341°W
1,864.25	21.43	129.08	1,847.72	-83.23	102.47	14,366,288.39	880,825.56	39.528146145°N	107.693691068°W
Hold 21° at 1864 MD/1848 TVD									
1,900.00	21.43	129.08	1,881.00	-91.46	112.61	14,366,280.16	880,835.70	39.528124392°N	107.693654285°W
2,000.00	21.43	129.08	1,974.08	-114.49	140.96	14,366,257.13	880,864.05	39.528063537°N	107.693551383°W
2,100.00	21.43	129.08	2,067.17	-137.52	169.32	14,366,234.09	880,892.41	39.528002681°N	107.693448481°W
2,200.00	21.43	129.08	2,160.26	-160.55	197.68	14,366,211.06	880,920.77	39.527941825°N	107.693345580°W
2,300.00	21.43	129.08	2,253.35	-183.59	226.04	14,366,188.03	880,949.13	39.527880970°N	107.693242678°W
2,400.00	21.43	129.08	2,346.44	-206.62	254.40	14,366,165.00	880,977.48	39.527820114°N	107.693139777°W
2,500.00	21.43	129.08	2,439.52	-229.65	282.75	14,366,141.97	881,005.84	39.527759258°N	107.693036876°W
2,600.00	21.43	129.08	2,532.61	-252.68	311.11	14,366,118.93	881,034.20	39.527698402°N	107.692933975°W
2,700.00	21.43	129.08	2,625.70	-275.71	339.47	14,366,095.90	881,062.56	39.527637546°N	107.692831075°W
2,800.00	21.43	129.08	2,718.79	-298.74	367.83	14,366,072.87	881,090.92	39.527576690°N	107.692728174°W
2,900.00	21.43	129.08	2,811.88	-321.78	396.18	14,366,049.84	881,119.27	39.527515833°N	107.692625274°W
3,000.00	21.43	129.08	2,904.96	-344.81	424.54	14,366,026.81	881,147.63	39.527454977°N	107.692522374°W
3,100.00	21.43	129.08	2,998.05	-367.84	452.90	14,366,003.78	881,175.99	39.527394121°N	107.692419474°W
3,200.00	21.43	129.08	3,091.14	-390.87	481.26	14,365,980.74	881,204.35	39.527333264°N	107.692316574°W
3,300.00	21.43	129.08	3,184.23	-413.90	509.62	14,365,957.71	881,232.70	39.527272407°N	107.692213674°W
3,400.00	21.43	129.08	3,277.32	-436.94	537.97	14,365,934.68	881,261.06	39.527211551°N	107.692110775°W
3,500.00	21.43	129.08	3,370.40	-459.97	566.33	14,365,911.65	881,289.42	39.527150694°N	107.692007876°W
3,600.00	21.43	129.08	3,463.49	-483.00	594.69	14,365,888.62	881,317.78	39.527089837°N	107.691904976°W
3,700.00	21.43	129.08	3,556.58	-506.03	623.05	14,365,865.58	881,346.13	39.527028980°N	107.691802078°W
3,800.00	21.43	129.08	3,649.67	-529.06	651.40	14,365,842.55	881,374.49	39.526968122°N	107.691699179°W
3,900.00	21.43	129.08	3,742.76	-552.10	679.76	14,365,819.52	881,402.85	39.526907265°N	107.691596280°W
4,000.00	21.43	129.08	3,835.84	-575.13	708.12	14,365,796.49	881,431.21	39.526846408°N	107.691493382°W
4,100.00	21.43	129.08	3,928.93	-598.16	736.48	14,365,773.46	881,459.57	39.526785550°N	107.691390484°W
4,200.00	21.43	129.08	4,022.02	-621.19	764.84	14,365,750.43	881,487.92	39.526724693°N	107.691287586°W
4,300.00	21.43	129.08	4,115.11	-644.22	793.19	14,365,727.39	881,516.28	39.526663835°N	107.691184688°W
4,400.00	21.43	129.08	4,208.20	-667.25	821.55	14,365,704.36	881,544.64	39.526602977°N	107.691081790°W
4,407.31	21.43	129.08	4,215.00	-668.94	823.62	14,365,702.68	881,546.71	39.526598529°N	107.691074268°W
Mesaverde									
4,500.00	21.43	129.08	4,301.28	-690.29	849.91	14,365,681.33	881,573.00	39.526542119°N	107.690978893°W

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B08 (111422) - Slot B8
Company:	Antero Resources	TVD Reference:	KB @ 5648.00ft (Original Well Elev)
Project:	Gentry	MD Reference:	KB @ 5648.00ft (Original Well Elev)
Site:	Gentry B	North Reference:	Grid
Well:	Gentry B08 (111422)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B08		
Design:	Gentry B08 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
4,600.00	21.43	129.08	4,394.37	-713.32	878.27	14,365,658.30	881,601.35	39.526481262°N	107.690875996°W
4,700.00	21.43	129.08	4,487.46	-736.35	906.62	14,365,635.27	881,629.71	39.526420403°N	107.690773098°W
4,800.00	21.43	129.08	4,580.55	-759.38	934.98	14,365,612.23	881,658.07	39.526359545°N	107.690670201°W
4,900.00	21.43	129.08	4,673.64	-782.41	963.34	14,365,589.20	881,686.43	39.526298687°N	107.690567305°W
5,000.00	21.43	129.08	4,766.72	-805.45	991.70	14,365,566.17	881,714.78	39.526237829°N	107.690464408°W
5,100.00	21.43	129.08	4,859.81	-828.48	1,020.05	14,365,543.14	881,743.14	39.526176970°N	107.690361512°W
5,200.00	21.43	129.08	4,952.90	-851.51	1,048.41	14,365,520.11	881,771.50	39.526116112°N	107.690258615°W
5,223.74	21.43	129.08	4,975.00	-856.98	1,055.15	14,365,514.64	881,778.23	39.526101663°N	107.690234186°W
Price Coal									
5,300.00	21.43	129.08	5,045.99	-874.54	1,076.77	14,365,497.08	881,799.86	39.526055253°N	107.690155719°W
5,400.00	21.43	129.08	5,139.08	-897.57	1,105.13	14,365,474.04	881,828.22	39.525994394°N	107.690052824°W
5,500.00	21.43	129.08	5,232.16	-920.60	1,133.49	14,365,451.01	881,856.57	39.525933536°N	107.689949928°W
5,548.47	21.43	129.08	5,277.28	-931.77	1,147.23	14,365,439.85	881,870.32	39.525904039°N	107.689900058°W
Drop 3°/30 at 5548 MD/5277 TVD									
5,600.00	19.88	129.08	5,325.50	-943.23	1,161.34	14,365,428.39	881,884.43	39.525873759°N	107.689848862°W
5,700.00	16.88	129.08	5,420.39	-963.11	1,185.81	14,365,408.51	881,908.90	39.525821232°N	107.689760054°W
5,800.00	13.88	129.08	5,516.79	-979.83	1,206.40	14,365,391.79	881,929.49	39.525777050°N	107.689685355°W
5,900.00	10.88	129.08	5,614.46	-993.34	1,223.04	14,365,378.27	881,946.13	39.525741333°N	107.689624969°W
6,000.00	7.88	129.08	5,713.11	-1,003.62	1,235.70	14,365,368.00	881,958.78	39.525714181°N	107.689579062°W
6,100.00	4.88	129.08	5,812.48	-1,010.63	1,244.32	14,365,360.99	881,967.41	39.525695667°N	107.689547760°W
6,162.68	3.00	129.08	5,875.00	-1,013.34	1,247.67	14,365,358.28	881,970.75	39.525688490°N	107.689535626°W
Top Gas									
6,200.00	1.88	129.08	5,912.29	-1,014.34	1,248.90	14,365,357.27	881,971.99	39.525685841°N	107.689531148°W
6,262.72	0.00	129.08	5,975.00	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
Vertical at 6263 MD/5975 TVD - B8 Tgt									
6,300.00	0.00	129.08	6,012.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,400.00	0.00	129.08	6,112.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,500.00	0.00	129.08	6,212.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,600.00	0.00	129.08	6,312.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,700.00	0.00	129.08	6,412.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,800.00	0.00	129.08	6,512.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,900.00	0.00	129.08	6,612.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
6,987.72	0.00	129.08	6,700.00	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
Cameo									
7,000.00	0.00	129.08	6,712.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,100.00	0.00	129.08	6,812.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,200.00	0.00	129.08	6,912.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,300.00	0.00	129.08	7,012.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,400.00	0.00	129.08	7,112.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,500.00	0.00	129.08	7,212.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,600.00	0.00	129.08	7,312.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,700.00	0.00	129.08	7,412.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,800.00	0.00	129.08	7,512.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
7,887.72	0.00	129.08	7,600.00	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
Rollins									
7,900.00	0.00	129.08	7,612.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
8,000.00	0.00	129.08	7,712.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
8,100.00	0.00	129.08	7,812.28	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
8,112.72	0.00	129.08	7,825.00	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
TD at 8113 MD/7825 TVD									

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B08 (111422) - Slot B8
Company:	Antero Resources	TVD Reference:	KB @ 5648.00ft (Original Well Elev)
Project:	Gentry	MD Reference:	KB @ 5648.00ft (Original Well Elev)
Site:	Gentry B	North Reference:	Grid
Well:	Gentry B08 (111422)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B08		
Design:	Gentry B08 P02		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
B8 Tgt	0.00	360.00	5,975.00	-1,014.99	1,249.70	14,365,356.62	881,972.79	39.525684126°N	107.689528248°W
- plan hits target center									
- Circle (radius 20.00)									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(in)	(in)
1,000.00	1,000.00	Surf Csg at 1000		5.50	6.00

Formations						
Measured Depth	Vertical Depth	Name		Lithology	Dip	Dip Direction
(ft)	(ft)				(°)	(°)
0.00	0.00	Wasatch				
4,407.31	4,215.00	Mesaverde				
5,223.74	4,975.00	Price Coal				
6,162.68	5,875.00	Top Gas				
6,987.72	6,700.00	Cameo				
7,887.72	7,600.00	Rollins				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
(ft)	(ft)	(ft)	(ft)		
1,150.00	1,150.00	0.00	0.00	KOP 3°/30 at 1150 MD/TVD	
1,864.25	1,847.72	-83.23	102.47	Hold 21° at 1864 MD/1848 TVD	
5,548.47	5,277.28	-931.77	1,147.23	Drop 3°/30 at 5548 MD/5277 TVD	
6,262.72	5,975.00	-1,014.99	1,249.70	Vertical at 6263 MD/5975 TVD	
8,112.72	7,825.00	-1,014.99	1,249.70	TD at 8113 MD/7825 TVD	