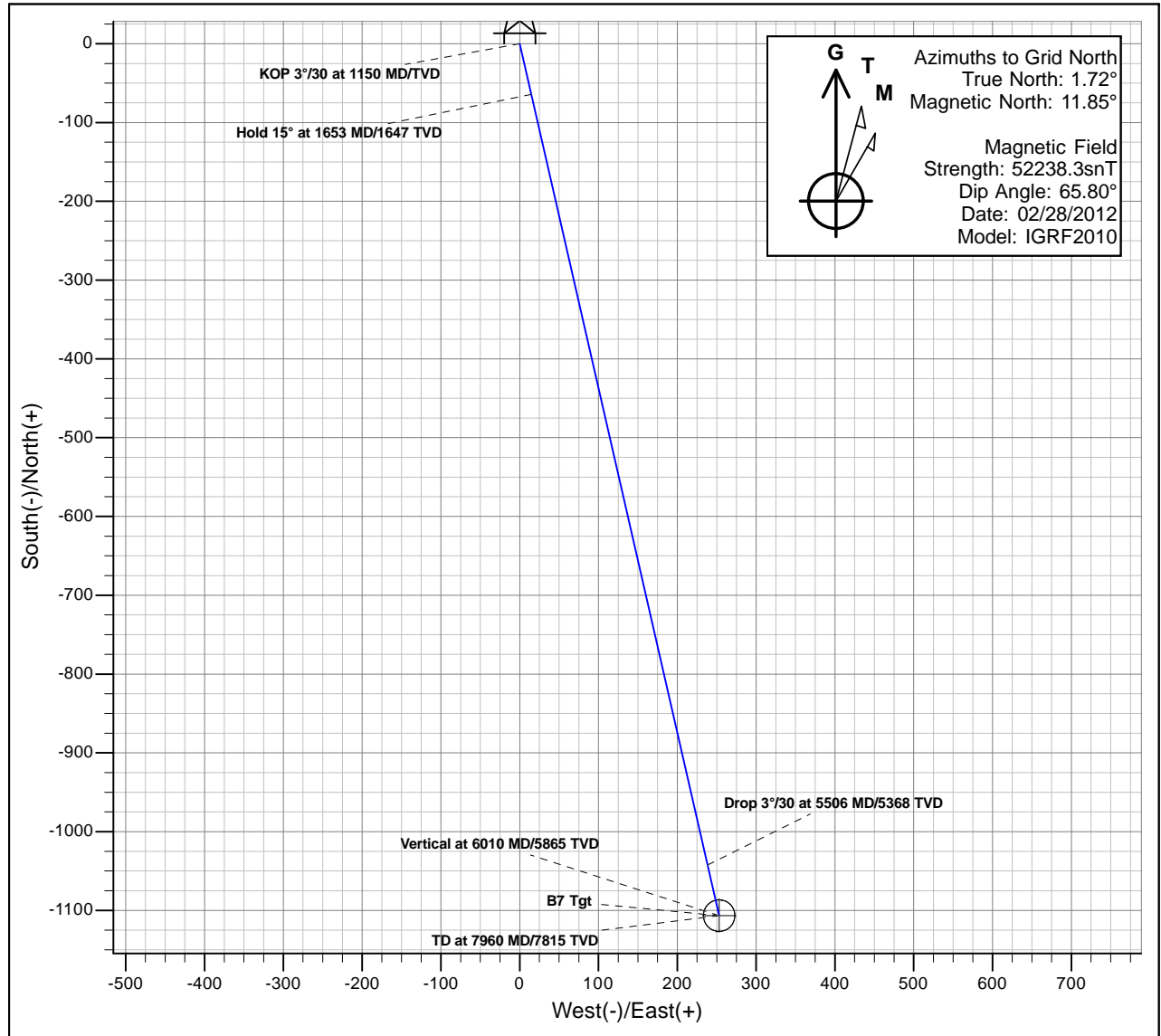
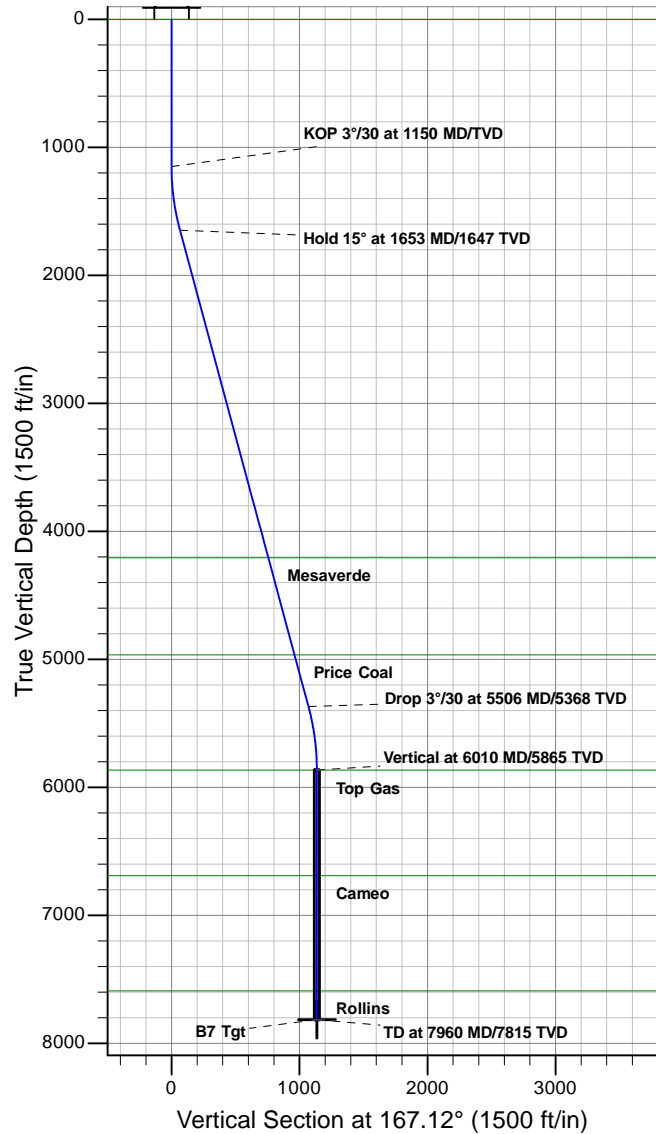




Antero Resources

Gentry B07 (111421)
Gentry B07 P02



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Gentry B07 (111421), Grid North
Vertical (TVD) Reference: KB @ 5648.00ft (Original Well Elev)
Section (VS) Reference: Slot - (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	
1653.12	15.09	167.12	1647.32	-64.23	14.69	3.00	167.12	65.89	
5506.41	15.09	167.12	5367.68	-1042.35	238.40	0.00	0.00	1069.27	
6009.53	0.00	360.00	5865.00	-1106.58	253.09	3.00	180.00	1135.15	
7959.53	0.00	360.00	7815.00	-1106.58	253.09	0.00	360.00	1135.15	B7 Tgt

Antero Resources

Gentry

Gentry B

Gentry B07 (111421)

Gentry B07

Plan: Gentry B07 P02

Standard Planning Report - Geographic

29 December, 2011

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B07 (111421)
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 B07 (111421)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B07		
Design:	Gentry B07 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 B07 (111421)					
Well Position	+N/-S	0.00 ft	Northing:	14,366,375.50 usft	Latitude:	39.528375096°N
	+E/-W	0.00 ft	Easting:	880,703.47 usft	Longitude:	107.694132819°W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,624.00 ft

Wellbore	Gentry B07				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	02/28/12	10.13	65.80	52,238

Design	Gentry B07 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	167.12

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	
1,653.12	15.09	167.12	1,647.32	-64.23	14.69	3.00	3.00	0.00	167.12	
5,506.41	15.09	167.12	5,367.68	-1,042.35	238.40	0.00	0.00	0.00	0.00	
6,009.53	0.00	360.00	5,865.00	-1,106.58	253.09	3.00	-3.00	0.00	180.00	
7,959.53	0.00	360.00	7,815.00	-1,106.58	253.09	0.00	0.00	0.00	360.00	B7 Tgt

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B07 (111421)
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 B07 (111421)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B07		
Design:	Gentry B07 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	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
Wasatch									
100.00	0.00	0.00	100.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
200.00	0.00	0.00	200.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
300.00	0.00	0.00	300.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
400.00	0.00	0.00	400.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
500.00	0.00	0.00	500.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
600.00	0.00	0.00	600.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
700.00	0.00	0.00	700.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
800.00	0.00	0.00	800.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
900.00	0.00	0.00	900.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
Surf Csg at 1000									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
1,150.00	0.00	0.00	1,150.00	0.00	0.00	14,366,375.50	880,703.47	39.528375096°N	107.694132819°W
KOP 3°/30 at 1150 MD/TVD									
1,200.00	1.50	167.12	1,199.99	-0.64	0.15	14,366,374.86	880,703.62	39.528373358°N	107.694132234°W
1,300.00	4.50	167.12	1,299.85	-5.74	1.31	14,366,369.76	880,704.78	39.528359459°N	107.694127559°W
1,400.00	7.50	167.12	1,399.29	-15.93	3.64	14,366,359.57	880,707.11	39.528331699°N	107.694118223°W
1,500.00	10.50	167.12	1,498.04	-31.18	7.13	14,366,344.33	880,710.60	39.528290155°N	107.694104251°W
1,600.00	13.50	167.12	1,595.85	-51.44	11.77	14,366,324.06	880,715.24	39.528234940°N	107.694085682°W
1,653.12	15.09	167.12	1,647.32	-64.23	14.69	14,366,311.27	880,718.16	39.528200102°N	107.694073965°W
Hold 15° at 1653 MD/1647 TVD									
1,700.00	15.09	167.12	1,692.58	-76.13	17.41	14,366,299.37	880,720.88	39.528167678°N	107.694063060°W
1,800.00	15.09	167.12	1,789.13	-101.51	23.22	14,366,273.99	880,726.69	39.528098517°N	107.694039800°W
1,900.00	15.09	167.12	1,885.68	-126.90	29.02	14,366,248.61	880,732.49	39.528029356°N	107.694016540°W
2,000.00	15.09	167.12	1,982.23	-152.28	34.83	14,366,223.22	880,738.30	39.527960195°N	107.693993280°W
2,100.00	15.09	167.12	2,078.78	-177.67	40.63	14,366,197.84	880,744.10	39.527891034°N	107.693970020°W
2,200.00	15.09	167.12	2,175.33	-203.05	46.44	14,366,172.45	880,749.91	39.527821872°N	107.693946760°W
2,300.00	15.09	167.12	2,271.88	-228.43	52.25	14,366,147.07	880,755.72	39.527752711°N	107.693923501°W
2,400.00	15.09	167.12	2,368.44	-253.82	58.05	14,366,121.69	880,761.52	39.527683550°N	107.693900241°W
2,500.00	15.09	167.12	2,464.99	-279.20	63.86	14,366,096.30	880,767.33	39.527614389°N	107.693876981°W
2,600.00	15.09	167.12	2,561.54	-304.59	69.66	14,366,070.92	880,773.13	39.527545228°N	107.693853722°W
2,700.00	15.09	167.12	2,658.09	-329.97	75.47	14,366,045.53	880,778.94	39.527476067°N	107.693830462°W
2,800.00	15.09	167.12	2,754.64	-355.35	81.27	14,366,020.15	880,784.74	39.527406906°N	107.693807203°W
2,900.00	15.09	167.12	2,851.19	-380.74	87.08	14,365,994.76	880,790.55	39.527337744°N	107.693783943°W
3,000.00	15.09	167.12	2,947.74	-406.12	92.89	14,365,969.38	880,796.36	39.527268583°N	107.693760684°W
3,100.00	15.09	167.12	3,044.29	-431.51	98.69	14,365,944.00	880,802.16	39.527199422°N	107.693737424°W
3,200.00	15.09	167.12	3,140.84	-456.89	104.50	14,365,918.61	880,807.97	39.527130261°N	107.693714165°W
3,300.00	15.09	167.12	3,237.39	-482.27	110.30	14,365,893.23	880,813.77	39.527061100°N	107.693690906°W
3,400.00	15.09	167.12	3,333.94	-507.66	116.11	14,365,867.84	880,819.58	39.526991938°N	107.693667647°W
3,500.00	15.09	167.12	3,430.49	-533.04	121.91	14,365,842.46	880,825.38	39.526922777°N	107.693644387°W
3,600.00	15.09	167.12	3,527.04	-558.43	127.72	14,365,817.08	880,831.19	39.526853616°N	107.693621128°W
3,700.00	15.09	167.12	3,623.59	-583.81	133.53	14,365,791.69	880,837.00	39.526784455°N	107.693597869°W
3,800.00	15.09	167.12	3,720.14	-609.20	139.33	14,365,766.31	880,842.80	39.526715294°N	107.693574610°W
3,900.00	15.09	167.12	3,816.69	-634.58	145.14	14,365,740.92	880,848.61	39.526646132°N	107.693551351°W
4,000.00	15.09	167.12	3,913.24	-659.96	150.94	14,365,715.54	880,854.41	39.526576971°N	107.693528092°W
4,100.00	15.09	167.12	4,009.79	-685.35	156.75	14,365,690.16	880,860.22	39.526507810°N	107.693504833°W
4,200.00	15.09	167.12	4,106.34	-710.73	162.55	14,365,664.77	880,866.02	39.526438649°N	107.693481575°W
4,300.00	15.09	167.12	4,202.89	-736.12	168.36	14,365,639.39	880,871.83	39.526369487°N	107.693458316°W
4,302.19	15.09	167.12	4,205.00	-736.67	168.49	14,365,638.83	880,871.96	39.526367975°N	107.693457807°W
Mesaverde									
4,400.00	15.09	167.12	4,299.44	-761.50	174.16	14,365,614.00	880,877.64	39.526300326°N	107.693435057°W
4,500.00	15.09	167.12	4,395.99	-786.88	179.97	14,365,588.62	880,883.44	39.526231165°N	107.693411798°W

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B07 (111421)
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 B07 (111421)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B07		
Design:	Gentry B07 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	15.09	167.12	4,492.54	-812.27	185.78	14,365,563.23	880,889.25	39.526162003°N	107.693388540°W
4,700.00	15.09	167.12	4,589.09	-837.65	191.58	14,365,537.85	880,895.05	39.526092842°N	107.693365281°W
4,800.00	15.09	167.12	4,685.64	-863.04	197.39	14,365,512.47	880,900.86	39.526023681°N	107.693342023°W
4,900.00	15.09	167.12	4,782.19	-888.42	203.19	14,365,487.08	880,906.66	39.525954520°N	107.693318764°W
5,000.00	15.09	167.12	4,878.74	-913.81	209.00	14,365,461.70	880,912.47	39.525885358°N	107.693295506°W
5,089.34	15.09	167.12	4,965.00	-936.48	214.19	14,365,439.02	880,917.66	39.525823568°N	107.693274726°W
Price Coal									
5,100.00	15.09	167.12	4,975.29	-939.19	214.80	14,365,436.31	880,918.27	39.525816197°N	107.693272247°W
5,200.00	15.09	167.12	5,071.84	-964.57	220.61	14,365,410.93	880,924.08	39.525747036°N	107.693248989°W
5,300.00	15.09	167.12	5,168.39	-989.96	226.42	14,365,385.55	880,929.89	39.525677874°N	107.693225731°W
5,400.00	15.09	167.12	5,264.94	-1,015.34	232.22	14,365,360.16	880,935.69	39.525608713°N	107.693202473°W
5,500.00	15.09	167.12	5,361.49	-1,040.73	238.03	14,365,334.78	880,941.50	39.525539551°N	107.693179214°W
5,506.41	15.09	167.12	5,367.68	-1,042.35	238.40	14,365,333.15	880,941.87	39.525535118°N	107.693177723°W
Drop 3°/30 at 5506 MD/5368 TVD									
5,600.00	12.29	167.12	5,458.60	-1,063.94	243.34	14,365,311.56	880,946.81	39.525476295°N	107.693157942°W
5,700.00	9.29	167.12	5,556.82	-1,082.18	247.51	14,365,293.32	880,950.98	39.525426597°N	107.693141229°W
5,800.00	6.29	167.12	5,655.89	-1,095.39	250.53	14,365,280.12	880,954.00	39.525390619°N	107.693129130°W
5,900.00	3.29	167.12	5,755.53	-1,103.52	252.39	14,365,271.98	880,955.86	39.525368462°N	107.693121679°W
6,000.00	0.29	167.12	5,855.47	-1,106.56	253.08	14,365,268.95	880,956.55	39.525360186°N	107.693118896°W
6,009.53	0.00	360.00	5,865.00	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
Vertical at 6010 MD/5865 TVD - Top Gas									
6,100.00	0.00	360.00	5,955.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,200.00	0.00	360.00	6,055.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,300.00	0.00	360.00	6,155.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,400.00	0.00	360.00	6,255.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,500.00	0.00	360.00	6,355.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,600.00	0.00	360.00	6,455.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,700.00	0.00	360.00	6,555.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,800.00	0.00	360.00	6,655.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
6,834.53	0.00	360.00	6,690.00	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
Cameo									
6,900.00	0.00	360.00	6,755.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,000.00	0.00	360.00	6,855.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,100.00	0.00	360.00	6,955.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,200.00	0.00	360.00	7,055.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,300.00	0.00	360.00	7,155.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,400.00	0.00	360.00	7,255.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,500.00	0.00	360.00	7,355.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,600.00	0.00	360.00	7,455.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,700.00	0.00	360.00	7,555.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,734.53	0.00	360.00	7,590.00	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
Rollins									
7,800.00	0.00	360.00	7,655.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,900.00	0.00	360.00	7,755.47	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
7,959.53	0.00	360.00	7,815.00	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
TD at 7960 MD/7815 TVD - B7 Tgt									

Planning Report - Geographic

Database:	EDM5000	Local Co-ordinate Reference:	Well Gentry B07 (111421)
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 B07 (111421)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B07		
Design:	Gentry B07 P02		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
B7 Tgt - hit/miss target - Shape	0.00	0.00	7,815.00	-1,106.58	253.09	14,365,268.92	880,956.56	39.525360123°N	107.693118875°W
B7 Tgt - plan hits target center - Circle (radius 20.00)									

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	5.50	6.00	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
0.00	0.00	Wasatch				
4,302.19	4,205.00	Mesaverde				
5,089.34	4,965.00	Price Coal				
6,009.53	5,865.00	Top Gas				
6,834.53	6,690.00	Cameo				
7,734.53	7,590.00	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°/30 at 1150 MD/TVD	
1,653.12	1,647.32	-64.23	14.69	Hold 15° at 1653 MD/1647 TVD	
5,506.41	5,367.68	-1,042.35	238.40	Drop 3°/30 at 5506 MD/5368 TVD	
6,009.53	5,865.00	-1,106.58	253.09	Vertical at 6010 MD/5865 TVD	
7,959.53	7,815.00	-1,106.58	253.09	TD at 7960 MD/7815 TVD	