



REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Gentry B06 (112001) - Slot B6, Grid North
Vertical (TVD) Reference:	KB @ 5648.00ft (Original Well Elev)
Section (VS) Reference:	Slot - B6(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	
1835.99	20.58	40.94	1821.34	92.07	79.86	3.00	40.94	121.88	
4610.37	20.58	40.94	4418.66	828.80	718.83	0.00	0.00	1097.10	
5296.36	0.00	40.94	5090.00	920.88	798.69	3.00	180.00	1218.98	
8121.36	0.00	40.94	7915.00	920.88	798.69	0.00	40.94	1218.98	B6 Tgt

Antero Resources

Gentry

Gentry B

Gentry B06 (112001) - Slot B6

Gentry B06 (112001)

Plan: Gentry B06 P02

Standard Planning Report - Geographic

01 March, 2012

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well Gentry B06 (112001) - Slot B6
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 B06 (112001)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B06 (112001)		
Design:	Gentry B06 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 B06 (112001) - Slot B6					
Well Position	+N/-S	0.00 ft	Northing:	14,366,391.74 usft	Latitude:	39.528422426°N
	+E/-W	0.00 ft	Easting:	880,737.27 usft	Longitude:	107.694014799°W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,624.00 ft

Wellbore	Gentry B06 (112001)				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	05/24/12	(°)	(°)	(nT)
			10.10	65.80	52,215

Design	Gentry B06 P02			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	7,915.00	0.00	0.00	40.94

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	
1,835.99	20.58	40.94	1,821.34	92.07	79.86	3.00	3.00	0.00	40.94	
4,610.37	20.58	40.94	4,418.66	828.80	718.83	0.00	0.00	0.00	0.00	
5,296.36	0.00	40.94	5,090.00	920.88	798.69	3.00	-3.00	0.00	180.00	
8,121.36	0.00	40.94	7,915.00	920.88	798.69	0.00	0.00	0.00	40.94	B6 Tgt

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well Gentry B06 (112001) - Slot B6
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 B06 (112001)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B06 (112001)		
Design:	Gentry B06 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	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
Wasatch										
100.00	0.00	0.00	100.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
200.00	0.00	0.00	200.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
300.00	0.00	0.00	300.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
400.00	0.00	0.00	400.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
500.00	0.00	0.00	500.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
600.00	0.00	0.00	600.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
700.00	0.00	0.00	700.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
800.00	0.00	0.00	800.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
900.00	0.00	0.00	900.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
Surf Csg at 1000 MD/TVD										
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
1,150.00	0.00	0.00	1,150.00	0.00	0.00	14,366,391.74	880,737.27	39.528422426°N	107.694014799°W	
KOP 3°/100 at 1150 MD/TVD										
1,200.00	1.50	40.94	1,199.99	0.49	0.43	14,366,392.24	880,737.70	39.528423817°N	107.694013332°W	
1,300.00	4.50	40.94	1,299.85	4.45	3.86	14,366,396.19	880,741.13	39.528434944°N	107.694001605°W	
1,400.00	7.50	40.94	1,399.29	12.34	10.71	14,366,404.09	880,747.98	39.528457167°N	107.693978183°W	
1,500.00	10.50	40.94	1,498.04	24.16	20.95	14,366,415.90	880,758.23	39.528490426°N	107.693943131°W	
1,600.00	13.50	40.94	1,595.85	39.86	34.58	14,366,431.61	880,771.85	39.528534629°N	107.693896543°W	
1,700.00	16.50	40.94	1,692.43	59.41	51.53	14,366,451.16	880,788.80	39.528589656°N	107.693838549°W	
1,800.00	19.50	40.94	1,787.52	82.76	71.78	14,366,474.50	880,809.05	39.528655354°N	107.693769307°W	
1,835.99	20.58	40.94	1,821.33	92.07	79.86	14,366,483.82	880,817.13	39.528681577°N	107.693741669°W	
Hold 21° at 1836 MD/1821 TVD										
1,900.00	20.58	40.94	1,881.26	109.07	94.60	14,366,500.81	880,831.87	39.528729419°N	107.693691246°W	
2,000.00	20.58	40.94	1,974.88	135.63	117.63	14,366,527.37	880,854.90	39.528804161°N	107.693612473°W	
2,100.00	20.58	40.94	2,068.50	162.18	140.66	14,366,553.92	880,877.93	39.528878902°N	107.693533699°W	
2,200.00	20.58	40.94	2,162.11	188.74	163.69	14,366,580.48	880,900.96	39.528953644°N	107.693454925°W	
2,300.00	20.58	40.94	2,255.73	215.29	186.72	14,366,607.03	880,924.00	39.529028385°N	107.693376151°W	
2,400.00	20.58	40.94	2,349.35	241.84	209.76	14,366,633.59	880,947.03	39.529103126°N	107.693297377°W	
2,500.00	20.58	40.94	2,442.97	268.40	232.79	14,366,660.14	880,970.06	39.529177868°N	107.693218603°W	
2,600.00	20.58	40.94	2,536.59	294.95	255.82	14,366,686.70	880,993.09	39.529252609°N	107.693139828°W	
2,700.00	20.58	40.94	2,630.21	321.51	278.85	14,366,713.25	881,016.12	39.529327350°N	107.693061054°W	
2,800.00	20.58	40.94	2,723.83	348.06	301.88	14,366,739.81	881,039.15	39.529402091°N	107.692982279°W	
2,900.00	20.58	40.94	2,817.44	374.62	324.91	14,366,766.36	881,062.18	39.529476832°N	107.692903504°W	
3,000.00	20.58	40.94	2,911.06	401.17	347.94	14,366,792.91	881,085.21	39.529551573°N	107.692824729°W	
3,100.00	20.58	40.94	3,004.68	427.73	370.97	14,366,819.47	881,108.25	39.529626314°N	107.692745953°W	
3,200.00	20.58	40.94	3,098.30	454.28	394.01	14,366,846.02	881,131.28	39.529701055°N	107.692667178°W	
3,300.00	20.58	40.94	3,191.92	480.84	417.04	14,366,872.58	881,154.31	39.529775796°N	107.692588402°W	
3,400.00	20.58	40.94	3,285.54	507.39	440.07	14,366,899.13	881,177.34	39.529850537°N	107.692509626°W	
3,500.00	20.58	40.94	3,379.15	533.95	463.10	14,366,925.69	881,200.37	39.529925278°N	107.692430850°W	
3,600.00	20.58	40.94	3,472.77	560.50	486.13	14,366,952.24	881,223.40	39.530000018°N	107.692352074°W	
3,700.00	20.58	40.94	3,566.39	587.06	509.16	14,366,978.80	881,246.43	39.530074759°N	107.692273298°W	
3,800.00	20.58	40.94	3,660.01	613.61	532.19	14,367,005.35	881,269.46	39.530149500°N	107.692194521°W	
3,900.00	20.58	40.94	3,753.63	640.17	555.23	14,367,031.91	881,292.50	39.530224240°N	107.692115744°W	
4,000.00	20.58	40.94	3,847.25	666.72	578.26	14,367,058.46	881,315.53	39.530298981°N	107.692036967°W	
4,100.00	20.58	40.94	3,940.86	693.28	601.29	14,367,085.02	881,338.56	39.530373721°N	107.691958190°W	
4,200.00	20.58	40.94	4,034.48	719.83	624.32	14,367,111.57	881,361.59	39.530448462°N	107.691879413°W	
4,300.00	20.58	40.94	4,128.10	746.39	647.35	14,367,138.13	881,384.62	39.530523202°N	107.691800636°W	
4,400.00	20.58	40.94	4,221.72	772.94	670.38	14,367,164.68	881,407.65	39.530597943°N	107.691721858°W	
4,500.00	20.58	40.94	4,315.34	799.49	693.41	14,367,191.24	881,430.68	39.530672683°N	107.691643081°W	
4,515.66	20.58	40.94	4,330.00	803.65	697.02	14,367,195.39	881,434.29	39.530684388°N	107.691630743°W	
Mesaverde										

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well Gentry B06 (112001) - Slot B6
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 B06 (112001)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B06 (112001)		
Design:	Gentry B06 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	20.58	40.94	4,408.96	826.05	716.44	14,367,217.79	881,453.72	39.530747423°N	107.691564303°W	
4,610.37	20.58	40.94	4,418.66	828.80	718.83	14,367,220.54	881,456.10	39.530755174°N	107.691556133°W	
Drop 3°/100 at 4610 MD/4419 TVD										
4,700.00	17.89	40.94	4,503.28	851.11	738.18	14,367,242.85	881,475.45	39.530817953°N	107.691489963°W	
4,800.00	14.89	40.94	4,599.21	872.42	756.67	14,367,264.16	881,493.94	39.530877946°N	107.691426728°W	
4,900.00	11.89	40.94	4,696.48	889.92	771.84	14,367,281.66	881,509.11	39.530927183°N	107.691374831°W	
5,000.00	8.89	40.94	4,794.83	903.54	783.65	14,367,295.28	881,520.92	39.530965528°N	107.691334414°W	
5,100.00	5.89	40.94	4,893.98	913.26	792.08	14,367,305.00	881,529.35	39.530992877°N	107.691305588°W	
5,200.00	2.89	40.94	4,993.68	919.04	797.10	14,367,310.78	881,534.37	39.531009153°N	107.691288432°W	
5,296.36	0.00	40.94	5,090.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
Vertical at 5296 MD/5090 TVD - Price Coal										
5,300.00	0.00	40.94	5,093.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,400.00	0.00	40.94	5,193.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,500.00	0.00	40.94	5,293.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,600.00	0.00	40.94	5,393.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,700.00	0.00	40.94	5,493.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,800.00	0.00	40.94	5,593.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
5,900.00	0.00	40.94	5,693.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,000.00	0.00	40.94	5,793.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,100.00	0.00	40.94	5,893.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,196.36	0.00	40.94	5,990.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
Top Gas										
6,200.00	0.00	40.94	5,993.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,300.00	0.00	40.94	6,093.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,400.00	0.00	40.94	6,193.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,500.00	0.00	40.94	6,293.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,600.00	0.00	40.94	6,393.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,700.00	0.00	40.94	6,493.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,800.00	0.00	40.94	6,593.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
6,900.00	0.00	40.94	6,693.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,000.00	0.00	40.94	6,793.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,021.36	0.00	40.94	6,815.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
Cameo										
7,100.00	0.00	40.94	6,893.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,200.00	0.00	40.94	6,993.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,300.00	0.00	40.94	7,093.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,400.00	0.00	40.94	7,193.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,500.00	0.00	40.94	7,293.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,600.00	0.00	40.94	7,393.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,700.00	0.00	40.94	7,493.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,800.00	0.00	40.94	7,593.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,900.00	0.00	40.94	7,693.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
7,921.36	0.00	40.94	7,715.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
Rollins										
8,000.00	0.00	40.94	7,793.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
8,100.00	0.00	40.94	7,893.64	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
8,121.35	0.00	40.94	7,914.99	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
TD at 8121 MD/7915 TVD										
8,121.36	0.00	40.94	7,915.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W	
B6 Tgt										

Planning Report - Geographic

Database:	EDM5000-New	Local Co-ordinate Reference:	Well Gentry B06 (112001) - Slot B6
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 B06 (112001)	Survey Calculation Method:	Minimum Curvature
Wellbore:	Gentry B06 (112001)		
Design:	Gentry B06 P02		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
B6 Tgt - hit/miss target - Shape	0.00	360.00	7,915.00	920.88	798.69	14,367,312.62	881,535.96	39.531014321°N	107.691282985°W
- 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 MD/TVD	5.50	6.00	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
0.00	0.00	Wasatch		0.00	
4,515.66	4,330.00	Mesaverde		0.00	
5,296.36	5,090.00	Price Coal		0.00	
6,196.36	5,990.00	Top Gas		0.00	
7,021.36	6,815.00	Cameo		0.00	
7,921.36	7,715.00	Rollins		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,150.00	1,150.00	0.00	0.00	KOP 3°/100 at 1150 MD/TVD	
1,835.99	1,821.33	92.07	79.86	Hold 21° at 1836 MD/1821 TVD	
4,610.37	4,418.66	828.80	718.83	Drop 3°/100 at 4610 MD/4419 TVD	
5,296.36	5,090.00	920.88	798.69	Vertical at 5296 MD/5090 TVD	
8,121.35	7,914.99	920.88	798.69	TD at 8121 MD/7915 TVD	