



## **Axia Energy**

**Mesa County, Colorado**

**Kimball Creek 14-2D1-995 Pad**

**Kimball Creek Fed 12-114D-995**

**Wellbore #1**

**Plan: plan1 16dec10 rbw**

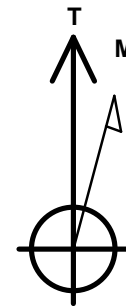
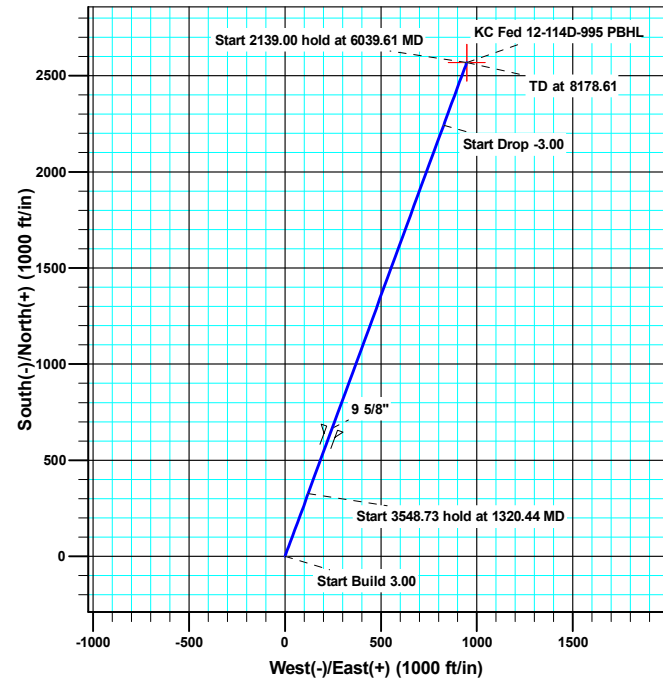
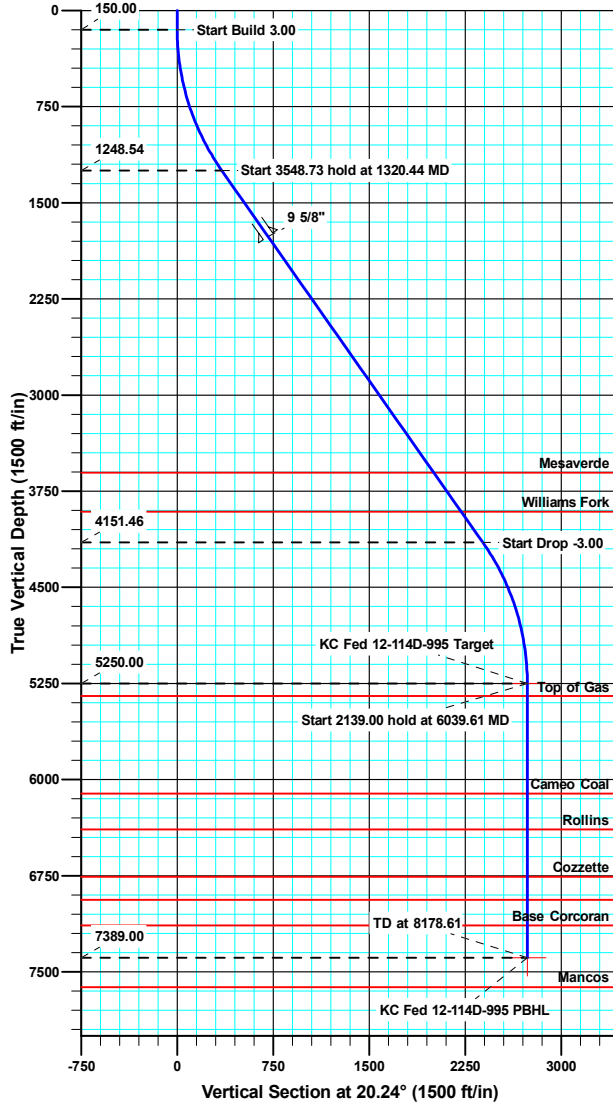
## **Standard Planning Report**

**16 December, 2010**



# WELL DETAILS: Kimball Creek Fed 12-114D-995

North American Datum 1983 US State Plane 1983 Colorado Central Zone  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1536021.00 2305681.36 39° 16' 45.75 N 107° 57' 11.24 W  
 Ground Level: 6874.00  
 Kimball Creek 14-2D1-995 Pad



Azimuths to True North  
 Magnetic North: 10.37°

Magnetic Field  
 Strength: 52180.2snT  
 Dip Angle: 65.58°  
 Date: 12/16/2010  
 Model: IGRF2010

## 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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
1320.44	35.11	20.24	1248.54	326.11	120.22	3.00	20.24	347.56	
4869.17	35.11	20.24	4151.46	2241.31	826.27	0.00	0.00	2388.77	
6039.61	0.00	0.00	5250.00	2567.42	946.49	3.00	180.00	2736.33	KC Fed 12-114D-995 Target
8178.61	0.00	0.00	7389.00	2567.42	946.49	0.00	0.00	2736.33	KC Fed 12-114D-995 PBHL





# Sharewell Planning Report

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Kimball Creek Fed 12-114D-995
<b>Company:</b>	Axia Energy	<b>TVD Reference:</b>	KB @ 6890.00ft
<b>Project:</b>	Mesa County, Colorado	<b>MD Reference:</b>	KB @ 6890.00ft
<b>Site:</b>	Kimball Creek 14-2D1-995 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Kimball Creek Fed 12-114D-995	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 16dec10 rbw		

<b>Project</b>	Mesa County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	Kimball Creek 14-2D1-995 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,536,040.99 usft	<b>Latitude:</b> 39° 16' 45.95 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,305,683.60 usft	<b>Longitude:</b> 107° 57' 11.22 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b> -1.55 °

<b>Well</b>	Kimball Creek Fed 12-114D-995			
<b>Well Position</b>	<b>+N/-S</b>	-20.05 ft	<b>Northing:</b>	1,536,021.00 usft
	<b>+E/-W</b>	-1.70 ft	<b>Easting:</b>	2,305,681.36 usft
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 6,874.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/16/2010	10.37	65.58	52,180

<b>Design</b>	plan1 16dec10 rbw			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	20.24

<b>Plan Sections</b>										
<b>Measured Depth</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical Depth</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Dogleg Rate</b>	<b>Build Rate</b>	<b>Turn Rate</b>	<b>TFO</b>	<b>Target</b>
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,320.44	35.11	20.24	1,248.54	326.11	120.22	3.00	3.00	0.00	20.24	
4,869.17	35.11	20.24	4,151.46	2,241.31	826.27	0.00	0.00	0.00	0.00	
6,039.61	0.00	0.00	5,250.00	2,567.42	946.49	3.00	-3.00	0.00	180.00	KC Fed 12-114D-995
8,178.61	0.00	0.00	7,389.00	2,567.42	946.49	0.00	0.00	0.00	0.00	KC Fed 12-114D-995



# Sharewell Planning Report

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Kimball Creek Fed 12-114D-995
<b>Company:</b>	Axia Energy	<b>TVD Reference:</b>	KB @ 6890.00ft
<b>Project:</b>	Mesa County, Colorado	<b>MD Reference:</b>	KB @ 6890.00ft
<b>Site:</b>	Kimball Creek 14-2D1-995 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Kimball Creek Fed 12-114D-995	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 16dec10 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	1.50	20.24	199.99	0.61	0.23	0.65	3.00	3.00	0.00
300.00	4.50	20.24	299.85	5.52	2.04	5.89	3.00	3.00	0.00
400.00	7.50	20.24	399.29	15.33	5.65	16.34	3.00	3.00	0.00
500.00	10.50	20.24	498.04	30.01	11.06	31.98	3.00	3.00	0.00
600.00	13.50	20.24	595.85	49.51	18.25	52.77	3.00	3.00	0.00
700.00	16.50	20.24	692.43	73.79	27.20	78.65	3.00	3.00	0.00
800.00	19.50	20.24	787.52	102.78	37.89	109.55	3.00	3.00	0.00
900.00	22.50	20.24	880.87	136.41	50.29	145.38	3.00	3.00	0.00
1,000.00	25.50	20.24	972.22	174.56	64.35	186.05	3.00	3.00	0.00
1,100.00	28.50	20.24	1,061.31	217.16	80.06	231.44	3.00	3.00	0.00
1,200.00	31.50	20.24	1,147.90	264.06	97.35	281.44	3.00	3.00	0.00
1,300.00	34.50	20.24	1,231.76	315.16	116.19	335.89	3.00	3.00	0.00
1,320.44	35.11	20.24	1,248.54	326.11	120.22	347.56	3.00	3.00	0.00
1,400.00	35.11	20.24	1,313.62	369.04	136.05	393.32	0.00	0.00	0.00
1,500.00	35.11	20.24	1,395.42	423.01	155.95	450.84	0.00	0.00	0.00
1,600.00	35.11	20.24	1,477.22	476.98	175.84	508.36	0.00	0.00	0.00
1,700.00	35.11	20.24	1,559.03	530.95	195.74	565.88	0.00	0.00	0.00
1,800.00	35.11	20.24	1,640.83	584.92	215.63	623.40	0.00	0.00	0.00
1,900.00	35.11	20.24	1,722.63	638.89	235.53	680.92	0.00	0.00	0.00
2,000.00	35.11	20.24	1,804.43	692.86	255.42	738.44	0.00	0.00	0.00
2,100.00	35.11	20.24	1,886.23	746.83	275.32	795.96	0.00	0.00	0.00
2,200.00	35.11	20.24	1,968.03	800.80	295.22	853.48	0.00	0.00	0.00
2,300.00	35.11	20.24	2,049.84	854.76	315.11	911.00	0.00	0.00	0.00
2,400.00	35.11	20.24	2,131.64	908.73	335.01	968.52	0.00	0.00	0.00
2,500.00	35.11	20.24	2,213.44	962.70	354.90	1,026.04	0.00	0.00	0.00
2,600.00	35.11	20.24	2,295.24	1,016.67	374.80	1,083.56	0.00	0.00	0.00
2,700.00	35.11	20.24	2,377.04	1,070.64	394.70	1,141.08	0.00	0.00	0.00
2,800.00	35.11	20.24	2,458.85	1,124.61	414.59	1,198.59	0.00	0.00	0.00
2,900.00	35.11	20.24	2,540.65	1,178.58	434.49	1,256.11	0.00	0.00	0.00
3,000.00	35.11	20.24	2,622.45	1,232.55	454.38	1,313.63	0.00	0.00	0.00
3,100.00	35.11	20.24	2,704.25	1,286.51	474.28	1,371.15	0.00	0.00	0.00
3,200.00	35.11	20.24	2,786.05	1,340.48	494.17	1,428.67	0.00	0.00	0.00
3,300.00	35.11	20.24	2,867.85	1,394.45	514.07	1,486.19	0.00	0.00	0.00
3,400.00	35.11	20.24	2,949.66	1,448.42	533.97	1,543.71	0.00	0.00	0.00
3,500.00	35.11	20.24	3,031.46	1,502.39	553.86	1,601.23	0.00	0.00	0.00
3,600.00	35.11	20.24	3,113.26	1,556.36	573.76	1,658.75	0.00	0.00	0.00
3,700.00	35.11	20.24	3,195.06	1,610.33	593.65	1,716.27	0.00	0.00	0.00
3,800.00	35.11	20.24	3,276.86	1,664.30	613.55	1,773.79	0.00	0.00	0.00
3,900.00	35.11	20.24	3,358.66	1,718.26	633.45	1,831.31	0.00	0.00	0.00
4,000.00	35.11	20.24	3,440.47	1,772.23	653.34	1,888.83	0.00	0.00	0.00
4,100.00	35.11	20.24	3,522.27	1,826.20	673.24	1,946.35	0.00	0.00	0.00
4,200.00	35.11	20.24	3,604.07	1,880.17	693.13	2,003.86	0.00	0.00	0.00
4,300.00	35.11	20.24	3,685.87	1,934.14	713.03	2,061.38	0.00	0.00	0.00
4,400.00	35.11	20.24	3,767.67	1,988.11	732.92	2,118.90	0.00	0.00	0.00
4,500.00	35.11	20.24	3,849.48	2,042.08	752.82	2,176.42	0.00	0.00	0.00
4,600.00	35.11	20.24	3,931.28	2,096.05	772.72	2,233.94	0.00	0.00	0.00
4,700.00	35.11	20.24	4,013.08	2,150.01	792.61	2,291.46	0.00	0.00	0.00
4,800.00	35.11	20.24	4,094.88	2,203.98	812.51	2,348.98	0.00	0.00	0.00
4,869.17	35.11	20.24	4,151.46	2,241.31	826.27	2,388.77	0.00	0.00	0.00
4,900.00	34.19	20.24	4,176.82	2,257.76	832.33	2,406.30	3.00	-3.00	0.00
5,000.00	31.19	20.24	4,260.98	2,308.43	851.01	2,460.30	3.00	-3.00	0.00
5,100.00	28.19	20.24	4,347.84	2,354.89	868.14	2,509.82	3.00	-3.00	0.00
5,200.00	25.19	20.24	4,437.18	2,397.03	883.68	2,554.73	3.00	-3.00	0.00



# Sharewell Planning Report

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<b>Company:</b>	Axia Energy	<b>TVD Reference:</b>	KB @ 6890.00ft
<b>Project:</b>	Mesa County, Colorado	<b>MD Reference:</b>	KB @ 6890.00ft
<b>Site:</b>	Kimball Creek 14-2D1-995 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Kimball Creek Fed 12-114D-995	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 16dec10 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	22.19	20.24	4,528.74	2,434.72	897.57	2,594.90	3.00	-3.00	0.00
5,400.00	19.19	20.24	4,622.28	2,467.86	909.79	2,630.22	3.00	-3.00	0.00
5,500.00	16.19	20.24	4,717.54	2,496.37	920.30	2,660.60	3.00	-3.00	0.00
5,600.00	13.19	20.24	4,814.26	2,520.16	929.07	2,685.96	3.00	-3.00	0.00
5,700.00	10.19	20.24	4,912.18	2,539.16	936.07	2,706.21	3.00	-3.00	0.00
5,800.00	7.19	20.24	5,011.02	2,553.34	941.30	2,721.32	3.00	-3.00	0.00
5,900.00	4.19	20.24	5,110.52	2,562.63	944.73	2,731.23	3.00	-3.00	0.00
6,000.00	1.19	20.24	5,210.40	2,567.03	946.35	2,735.92	3.00	-3.00	0.00
6,039.61	0.00	0.00	5,250.00	2,567.42	946.49	2,736.33	3.00	-3.00	0.00
6,100.00	0.00	0.00	5,310.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,200.00	0.00	0.00	5,410.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,300.00	0.00	0.00	5,510.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,400.00	0.00	0.00	5,610.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,500.00	0.00	0.00	5,710.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,600.00	0.00	0.00	5,810.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,700.00	0.00	0.00	5,910.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,800.00	0.00	0.00	6,010.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
6,900.00	0.00	0.00	6,110.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,000.00	0.00	0.00	6,210.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,100.00	0.00	0.00	6,310.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,200.00	0.00	0.00	6,410.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,300.00	0.00	0.00	6,510.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,400.00	0.00	0.00	6,610.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,500.00	0.00	0.00	6,710.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,600.00	0.00	0.00	6,810.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,700.00	0.00	0.00	6,910.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,800.00	0.00	0.00	7,010.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
7,900.00	0.00	0.00	7,110.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
8,000.00	0.00	0.00	7,210.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
8,100.00	0.00	0.00	7,310.39	2,567.42	946.49	2,736.33	0.00	0.00	0.00
8,178.61	0.00	0.00	7,389.00	2,567.42	946.49	2,736.33	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
KC Fed 12-114D-995 Ta	0.00	0.00	5,250.00	2,567.42	946.49	1,538,561.92	2,306,696.83	39° 17' 11.13 N	107° 56' 59.20 W
- plan hits target center									
- Point									
KC Fed 12-114D-995 PE	0.00	0.00	7,389.00	2,567.42	946.49	1,538,561.92	2,306,696.83	39° 17' 11.13 N	107° 56' 59.20 W
- plan hits target center									
- Point									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)
1,950.00	1,763.53	9 5/8"	0.80	1.02



## Sharewell Planning Report

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Kimball Creek Fed 12-114D-995
<b>Company:</b>	Axia Energy	<b>TVD Reference:</b>	KB @ 6890.00ft
<b>Project:</b>	Mesa County, Colorado	<b>MD Reference:</b>	KB @ 6890.00ft
<b>Site:</b>	Kimball Creek 14-2D1-995 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Kimball Creek Fed 12-114D-995	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 16dec10 rbw		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,201.14	3,605.00	Mesaverde		0.00	
4,573.99	3,910.00	Williams Fork		0.00	
6,139.61	5,350.00	Top of Gas		0.00	
6,899.61	6,110.00	Cameo Coal		0.00	
7,179.61	6,390.00	Rollins		0.00	
7,549.61	6,760.00	Cozzette		0.00	
7,728.61	6,939.00	Corcoran		0.00	
7,928.61	7,139.00	Base Corcoran		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
150.00	150.00	0.00	0.00	Start Build 3.00	
1,320.44	1,248.54	326.11	120.22	Start 3548.73 hold at 1320.44 MD	
4,869.17	4,151.46	2,241.31	826.27	Start Drop -3.00	
6,039.61	5,250.00	2,567.42	946.49	Start 2139.00 hold at 6039.61 MD	
8,178.61	7,389.00	2,567.42	946.49	TD at 8178.61	