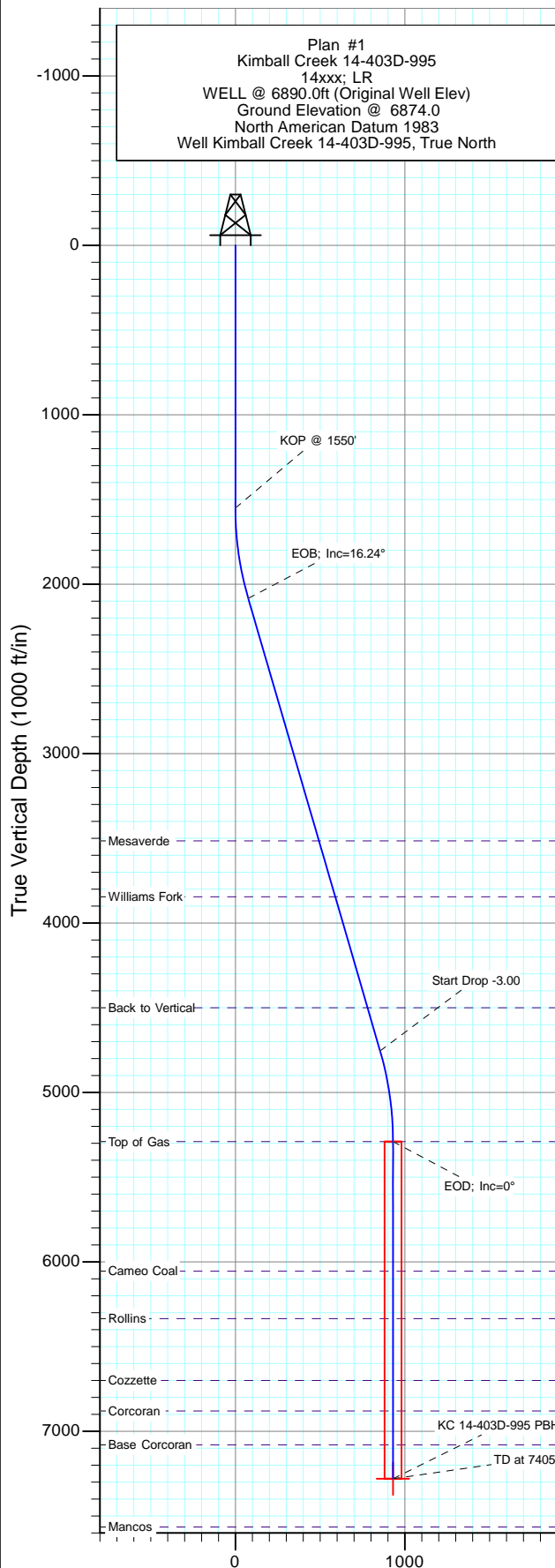
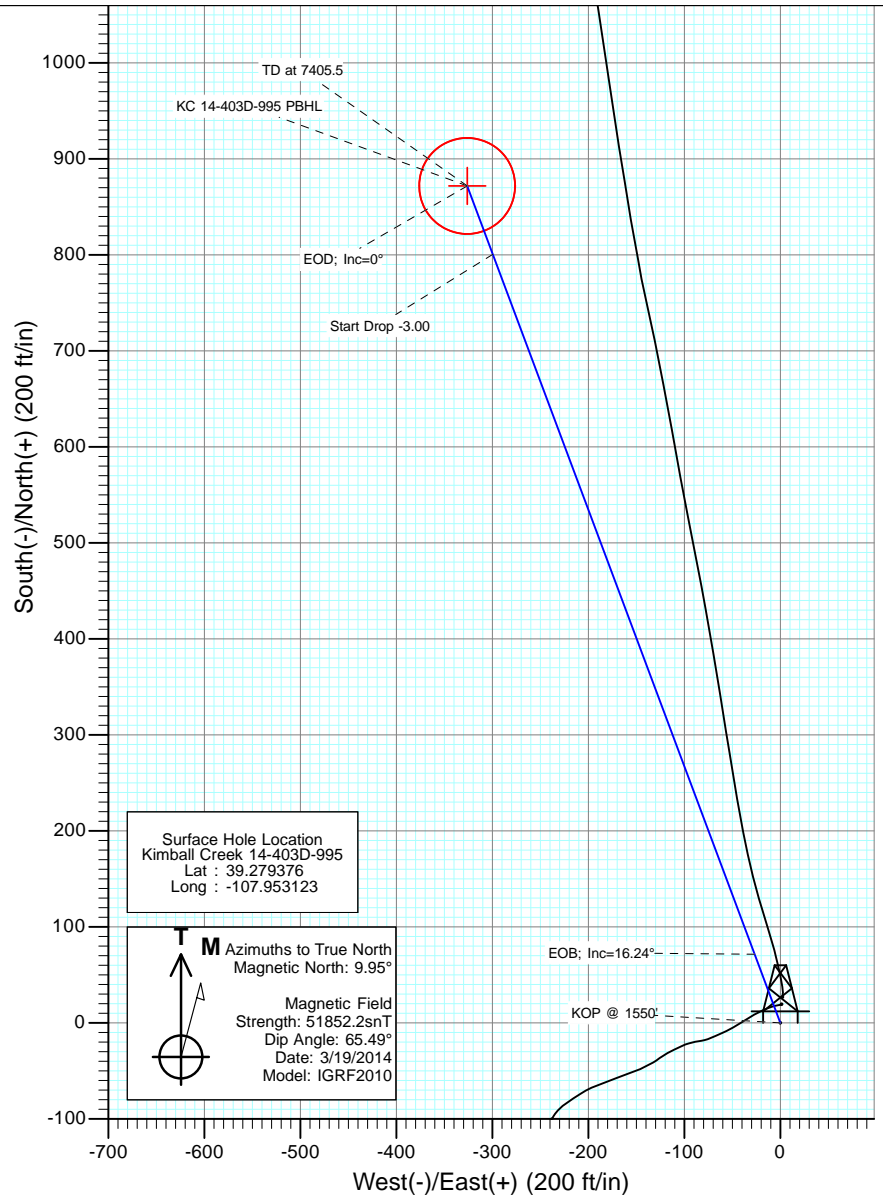




Project: Mesa County, CO
Site: S14-T9S-R95W
Well: Kimball Creek 14-403D-995
Wellbore: DD
Design: Plan #1



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1550.0	0.00	0.00	1550.0	0.0	0.0	0.00	0.00	0.0	
3	2091.5	16.24	339.49	2084.3	71.4	-26.7	3.00	339.49	76.2	
4	4874.1	16.24	339.49	4755.7	800.5	-299.5	0.00	0.00	854.6	
5	5415.5	0.00	0.00	5290.0	871.9	-326.2	3.00	180.00	930.9	
6	7405.5	0.00	0.00	7280.0	871.9	-326.2	0.00	0.00	930.9	KC 14-403D-995 PBHL



DESIGN TARGET DETAILS

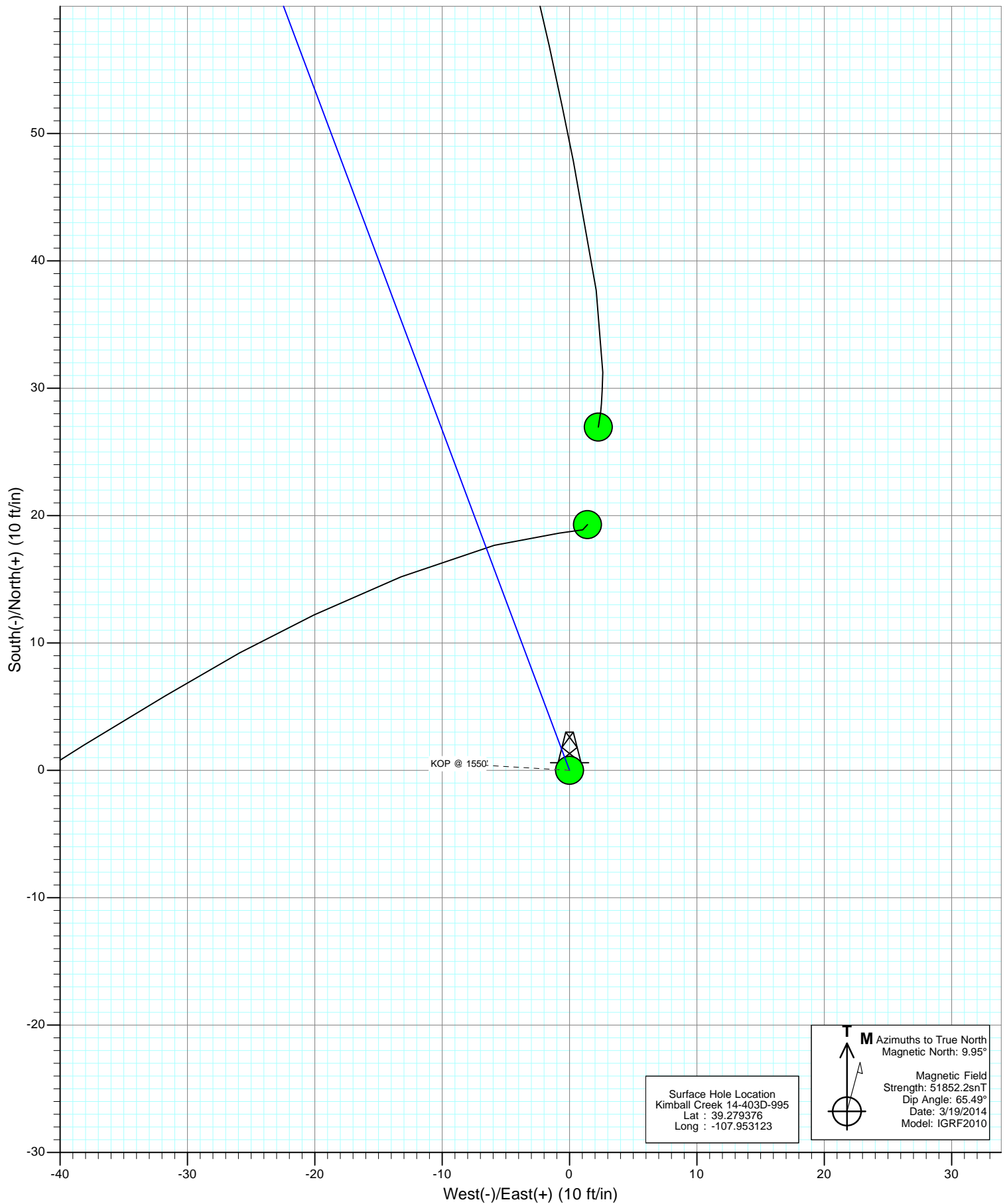
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KC 14-403D-995 PBHL	871.9	-326.2	1961480.45	2305153.49	39.281769	-107.954275

CASING DETAILS

TVD	MD	Name
1500.0	1500.0	8 5/8"



Project: Mesa County, CO
Site: S14-T9S-R95W
Well: Kimball Creek 14-403D-995
Wellbore: DD
Design: Plan #1



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Company:	Axia Energy	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Project:	Mesa County, CO	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site:	S14-T9S-R95W	North Reference:	True
Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Project	Mesa County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site		S14-T9S-R95W			
Site Position:		Northing:	1,960,600.32 ft	Latitude:	39.279376
From:	Lat/Long	Easting:	2,305,456.67 ft	Longitude:	-107.953123
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.50 °

Well	Kimball Creek 14-403D-995					
Well Position	+N/-S	0.0 ft	Northing:	1,960,600.32 ft	Latitude:	39.279376
	+E/-W	0.0 ft	Easting:	2,305,456.67 ft	Longitude:	-107.953123
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,874.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2014	9.95	65.49	51,852

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	339.49

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,550.0	0.00	0.00	1,550.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,091.5	16.24	339.49	2,084.3	71.4	-26.7	3.00	3.00	0.00	339.49	
4,874.1	16.24	339.49	4,755.7	800.5	-299.5	0.00	0.00	0.00	0.00	
5,415.5	0.00	0.00	5,290.0	871.9	-326.2	3.00	-3.00	0.00	180.00	
7,405.5	0.00	0.00	7,280.0	871.9	-326.2	0.00	0.00	0.00	0.00	KC 14-403D-995 PB+

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Company:	Axia Energy	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Project:	Mesa County, CO	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site:	S14-T9S-R95W	North Reference:	True
Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

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)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	8 5/8"
1,550.0	0.00	0.00	1,550.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	1.50	339.49	1,600.0	0.6	-0.2	0.7	3.00	3.00	
1,700.0	4.50	339.49	1,699.8	5.5	-2.1	5.9	3.00	3.00	
1,800.0	7.50	339.49	1,799.3	15.3	-5.7	16.3	3.00	3.00	
1,900.0	10.50	339.49	1,898.0	30.0	-11.2	32.0	3.00	3.00	
2,000.0	13.50	339.49	1,995.8	49.4	-18.5	52.8	3.00	3.00	
2,091.5	16.24	339.49	2,084.3	71.4	-26.7	76.2	3.00	3.00	
2,100.0	16.24	339.49	2,092.4	73.6	-27.6	78.6	0.00	0.00	
2,200.0	16.24	339.49	2,188.4	99.8	-37.4	106.6	0.00	0.00	
2,300.0	16.24	339.49	2,284.4	126.0	-47.2	134.6	0.00	0.00	
2,400.0	16.24	339.49	2,380.5	152.2	-57.0	162.6	0.00	0.00	
2,500.0	16.24	339.49	2,476.5	178.4	-66.8	190.5	0.00	0.00	
2,600.0	16.24	339.49	2,572.5	204.6	-76.6	218.5	0.00	0.00	
2,700.0	16.24	339.49	2,668.5	230.8	-86.4	246.5	0.00	0.00	
2,800.0	16.24	339.49	2,764.5	257.0	-96.2	274.4	0.00	0.00	
2,900.0	16.24	339.49	2,860.5	283.2	-106.0	302.4	0.00	0.00	
3,000.0	16.24	339.49	2,956.5	309.4	-115.8	330.4	0.00	0.00	
3,100.0	16.24	339.49	3,052.5	335.6	-125.6	358.4	0.00	0.00	
3,200.0	16.24	339.49	3,148.5	361.8	-135.4	386.3	0.00	0.00	
3,300.0	16.24	339.49	3,244.5	388.0	-145.2	414.3	0.00	0.00	
3,400.0	16.24	339.49	3,340.5	414.2	-155.0	442.3	0.00	0.00	
3,500.0	16.24	339.49	3,436.5	440.4	-164.8	470.3	0.00	0.00	
3,581.7	16.24	339.49	3,515.0	461.9	-172.8	493.1	0.00	0.00	Mesaverde
3,600.0	16.24	339.49	3,532.5	466.6	-174.6	498.2	0.00	0.00	
3,700.0	16.24	339.49	3,628.6	492.8	-184.4	526.2	0.00	0.00	
3,800.0	16.24	339.49	3,724.6	519.0	-194.2	554.2	0.00	0.00	
3,900.0	16.24	339.49	3,820.6	545.2	-204.0	582.2	0.00	0.00	
3,925.4	16.24	339.49	3,845.0	551.9	-206.5	589.3	0.00	0.00	Williams Fork
4,000.0	16.24	339.49	3,916.6	571.4	-213.8	610.1	0.00	0.00	
4,100.0	16.24	339.49	4,012.6	597.6	-223.6	638.1	0.00	0.00	
4,200.0	16.24	339.49	4,108.6	623.8	-233.4	666.1	0.00	0.00	
4,300.0	16.24	339.49	4,204.6	650.0	-243.2	694.1	0.00	0.00	
4,400.0	16.24	339.49	4,300.6	676.2	-253.0	722.0	0.00	0.00	
4,500.0	16.24	339.49	4,396.6	702.5	-262.8	750.0	0.00	0.00	
4,600.0	16.24	339.49	4,492.6	728.7	-272.6	778.0	0.00	0.00	
4,607.7	16.24	339.49	4,500.0	730.7	-273.4	780.1	0.00	0.00	Back to Vertical

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Company:	Axia Energy	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Project:	Mesa County, CO	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site:	S14-T9S-R95W	North Reference:	True
Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

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)	Comments / Formations
4,700.0	16.24	339.49	4,588.6	754.9	-282.4	806.0	0.00	0.00	
4,800.0	16.24	339.49	4,684.6	781.1	-292.2	833.9	0.00	0.00	
4,874.1	16.24	339.49	4,755.7	800.5	-299.5	854.6	0.00	0.00	
4,900.0	15.47	339.49	4,780.7	807.1	-302.0	861.7	3.00	-3.00	
5,000.0	12.47	339.49	4,877.7	829.7	-310.4	885.9	3.00	-3.00	
5,100.0	9.47	339.49	4,975.9	847.5	-317.1	904.9	3.00	-3.00	
5,200.0	6.47	339.49	5,074.9	860.5	-321.9	918.7	3.00	-3.00	
5,300.0	3.47	339.49	5,174.5	868.6	-325.0	927.4	3.00	-3.00	
5,400.0	0.47	339.49	5,274.5	871.8	-326.2	930.8	3.00	-3.00	
5,415.5	0.00	0.00	5,290.0	871.9	-326.2	930.9	3.00	-3.00	Top of Gas
5,500.0	0.00	0.00	5,374.5	871.9	-326.2	930.9	0.00	0.00	
5,600.0	0.00	0.00	5,474.5	871.9	-326.2	930.9	0.00	0.00	
5,700.0	0.00	0.00	5,574.5	871.9	-326.2	930.9	0.00	0.00	
5,800.0	0.00	0.00	5,674.5	871.9	-326.2	930.9	0.00	0.00	
5,900.0	0.00	0.00	5,774.5	871.9	-326.2	930.9	0.00	0.00	
6,000.0	0.00	0.00	5,874.5	871.9	-326.2	930.9	0.00	0.00	
6,100.0	0.00	0.00	5,974.5	871.9	-326.2	930.9	0.00	0.00	
6,180.5	0.00	0.00	6,055.0	871.9	-326.2	930.9	0.00	0.00	Cameo Coal
6,200.0	0.00	0.00	6,074.5	871.9	-326.2	930.9	0.00	0.00	
6,300.0	0.00	0.00	6,174.5	871.9	-326.2	930.9	0.00	0.00	
6,400.0	0.00	0.00	6,274.5	871.9	-326.2	930.9	0.00	0.00	
6,460.5	0.00	0.00	6,335.0	871.9	-326.2	930.9	0.00	0.00	Rollins
6,500.0	0.00	0.00	6,374.5	871.9	-326.2	930.9	0.00	0.00	
6,600.0	0.00	0.00	6,474.5	871.9	-326.2	930.9	0.00	0.00	
6,700.0	0.00	0.00	6,574.5	871.9	-326.2	930.9	0.00	0.00	
6,800.0	0.00	0.00	6,674.5	871.9	-326.2	930.9	0.00	0.00	
6,825.5	0.00	0.00	6,700.0	871.9	-326.2	930.9	0.00	0.00	Cozzette
6,900.0	0.00	0.00	6,774.5	871.9	-326.2	930.9	0.00	0.00	
7,000.0	0.00	0.00	6,874.5	871.9	-326.2	930.9	0.00	0.00	
7,005.5	0.00	0.00	6,880.0	871.9	-326.2	930.9	0.00	0.00	Corcoran
7,100.0	0.00	0.00	6,974.5	871.9	-326.2	930.9	0.00	0.00	
7,200.0	0.00	0.00	7,074.5	871.9	-326.2	930.9	0.00	0.00	
7,205.5	0.00	0.00	7,080.0	871.9	-326.2	930.9	0.00	0.00	Base Corcoran
7,300.0	0.00	0.00	7,174.5	871.9	-326.2	930.9	0.00	0.00	
7,400.0	0.00	0.00	7,274.5	871.9	-326.2	930.9	0.00	0.00	
7,405.5	0.00	0.00	7,280.0	871.9	-326.2	930.9	0.00	0.00	

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
KC 14-403D-995 PBHL	0.00	0.00	7,280.0	871.9	-326.2	1,961,480.45	2,305,153.49	39.281769	-107.954275
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.0)									

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Company:	Axia Energy	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Project:	Mesa County, CO	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site:	S14-T9S-R95W	North Reference:	True
Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,500.0	1,500.0	8 5/8"	0.000	0.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,581.7	3,515.0	Mesaverde			
3,925.4	3,845.0	Williams Fork			
4,607.7	4,500.0	Back to Vertical			
5,415.5	5,290.0	Top of Gas			
6,180.5	6,055.0	Cameo Coal			
6,460.5	6,335.0	Rollins			
6,825.5	6,700.0	Cozzette			
7,005.5	6,880.0	Corcoran			
7,205.5	7,080.0	Base Corcoran			

Axia Energy

Mesa County, CO

S14-T9S-R95W

Kimball Creek 14-403D-995

DD

Plan #1

Anticollision Report

30 July, 2014

Cathedral Energy Services

Anticollision Report

Company:	Axia Energy	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Project:	Mesa County, CO	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Reference Site:	S14-T9S-R95W	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	7/30/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,405.5	Plan #1 (DD)	MWD	Geolink MWD	

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
(ft) (ft) (ft) (ft)						
S14-T9S-R95W						
KC 11-416D-995 (EXISTING) - EXISTING - EXISTING	0.0	9.0	27.1			
KC 11-416D-995 (EXISTING) - EXISTING - EXISTING	400.0	404.9	42.5	41.1	31.337	SF
KC 14-406D-995 (EXISTING) - EXISTING - EXISTING	388.7	397.8	18.5	17.2	14.081	CC
KC 14-406D-995 (EXISTING) - EXISTING - EXISTING	400.0	409.1	18.6	17.2	13.647	ES
KC 14-406D-995 (EXISTING) - EXISTING - EXISTING	600.0	608.9	23.3	21.1	10.952	SF

Cathedral Energy Services

Anticollision Report

Company:	Axia Energy	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Project:	Mesa County, CO	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Reference Site:	S14-T9S-R95W	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S14-T9S-R95W - KC 11-416D-995 (EXISTING) - EXISTING - EXISTING													Offset Site Error:	0.0 ft
Survey Program: 175-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis			
0.0	0.0	9.0	9.0	0.0	0.0	4.80	27.0	2.3	27.1					
100.0	100.0	108.8	108.8	0.1	0.2	4.87	27.4	2.3	27.5	27.2	0.31	88.907		
200.0	200.0	208.2	208.2	0.3	0.3	4.98	28.8	2.5	29.0	28.3	0.64	45.112		
300.0	300.0	306.9	306.7	0.5	0.5	4.34	33.7	2.6	33.8	32.8	0.99	34.045		
400.0	400.0	404.9	404.4	0.7	0.8	1.84	42.2	1.4	42.5	41.1	1.36	31.337 SF		
500.0	500.0	501.5	500.1	0.8	1.1	-1.27	55.2	-1.2	55.9	54.2	1.73	32.371		
600.0	600.0	597.4	594.3	1.0	1.4	-4.24	72.3	-5.4	74.0	71.9	2.11	35.105		
700.0	700.0	692.1	686.7	1.2	1.8	-6.88	92.3	-11.1	95.6	93.1	2.50	38.263		
800.0	800.0	785.6	777.2	1.4	2.2	-8.87	114.8	-17.9	120.5	117.6	2.89	41.635		
900.0	900.0	878.2	866.1	1.5	2.7	-10.20	139.6	-25.1	148.2	144.9	3.29	45.015		
1,000.0	1,000.0	969.4	953.1	1.7	3.2	-10.83	166.4	-31.8	178.4	174.7	3.69	48.355		
1,100.0	1,100.0	1,059.9	1,038.7	1.9	3.8	-10.97	195.0	-37.8	210.8	206.7	4.10	51.459		
1,200.0	1,200.0	1,149.0	1,122.4	2.1	4.3	-10.94	225.1	-43.5	245.1	240.6	4.50	54.433		
1,300.0	1,300.0	1,237.1	1,204.5	2.2	4.9	-10.76	256.6	-48.8	281.4	276.4	4.92	57.215		
1,400.0	1,400.0	1,322.7	1,283.6	2.4	5.5	-10.60	288.9	-54.0	319.5	314.2	5.34	59.884		
1,500.0	1,500.0	1,404.3	1,358.2	2.6	6.1	-10.47	321.4	-59.4	360.0	354.3	5.75	62.593		
1,600.0	1,600.0	1,482.0	1,428.2	2.8	6.7	10.06	354.7	-64.8	402.8	397.5	5.29	76.095		
1,700.0	1,699.8	1,558.4	1,495.9	2.9	7.4	10.00	389.7	-70.6	444.6	439.0	5.61	79.259		
1,800.0	1,799.3	1,643.0	1,569.5	3.1	8.1	10.02	430.8	-77.7	484.6	478.7	5.93	81.657		

Cathedral Energy Services

Anticollision Report

Company:	Axia Energy	Local Co-ordinate Reference:	Well Kimball Creek 14-403D-995
Project:	Mesa County, CO	TVD Reference:	WELL @ 6890.0ft (Original Well Elev)
Reference Site:	S14-T9S-R95W	MD Reference:	WELL @ 6890.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S14-T9S-R95W - KC 14-406D-995 (EXISTING) - EXISTING - EXISTING													Offset Site Error:	0.0 ft
Survey Program: 247-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	9.0	9.0	0.0	0.0	4.19	19.3	1.4	19.3					
100.0	100.0	109.0	109.0	0.1	0.2	3.99	19.2	1.3	19.3	18.9	0.32	60.642		
200.0	200.0	209.1	209.1	0.3	0.3	3.44	19.0	1.1	19.0	18.4	0.65	29.329		
300.0	300.0	309.1	309.1	0.5	0.5	0.42	18.7	0.1	18.7	17.7	0.99	18.820		
388.7	388.7	397.8	397.7	0.7	0.7	-11.42	18.2	-3.7	18.5	17.2	1.32	14.081 CC		
400.0	400.0	409.1	409.0	0.7	0.7	-13.67	18.0	-4.4	18.6	17.2	1.36	13.647 ES		
500.0	500.0	509.0	508.5	0.8	0.9	-37.56	15.7	-12.1	19.8	18.0	1.75	11.310		
600.0	600.0	608.9	608.1	1.0	1.1	-57.80	12.4	-19.7	23.3	21.1	2.12	10.952 SF		
700.0	700.0	708.7	707.7	1.2	1.3	-70.59	9.2	-26.0	27.6	25.1	2.49	11.095		
800.0	800.0	808.4	807.1	1.4	1.5	-80.40	5.5	-32.4	32.9	30.0	2.85	11.544		
900.0	900.0	907.7	906.1	1.5	1.8	-88.24	1.2	-39.4	39.5	36.3	3.21	12.330		
1,000.0	1,000.0	1,007.2	1,005.1	1.7	2.0	-94.52	-3.7	-47.2	47.5	44.0	3.56	13.355		
1,100.0	1,100.0	1,107.1	1,104.6	1.9	2.2	-98.17	-7.9	-54.7	55.4	51.5	3.91	14.170		
1,200.0	1,200.0	1,206.2	1,203.4	2.1	2.4	-100.41	-11.5	-62.5	63.8	59.5	4.27	14.948		
1,300.0	1,300.0	1,305.7	1,302.4	2.2	2.7	-102.11	-15.3	-71.1	73.0	68.4	4.62	15.799		
1,400.0	1,400.0	1,406.5	1,402.9	2.4	2.9	-102.76	-17.9	-79.1	81.3	76.4	4.97	16.353		
1,500.0	1,500.0	1,507.1	1,503.2	2.6	3.1	-102.67	-19.3	-85.8	88.1	82.8	5.33	16.549		
1,600.0	1,600.0	1,606.1	1,602.0	2.8	3.3	-82.37	-20.6	-92.4	94.9	89.3	5.54	17.121		
1,700.0	1,699.8	1,704.6	1,700.2	2.9	3.5	-85.29	-22.9	-100.0	102.3	96.4	5.88	17.395		
1,800.0	1,799.3	1,802.3	1,797.5	3.1	3.8	-91.04	-26.7	-108.1	111.1	104.9	6.24	17.816		
1,900.0	1,898.0	1,900.8	1,895.5	3.4	4.0	-98.40	-31.0	-116.7	122.4	115.7	6.63	18.445		
2,000.0	1,995.8	1,998.1	1,992.4	3.6	4.2	-106.67	-35.8	-124.3	136.4	129.4	7.09	19.251		
2,100.0	2,092.4	2,095.7	2,089.6	4.0	4.5	-115.17	-40.5	-131.3	154.8	147.2	7.59	20.383		
2,200.0	2,188.4	2,191.0	2,184.6	4.4	4.7	-122.41	-44.1	-138.1	176.2	168.1	8.11	21.711		
2,300.0	2,284.4	2,286.7	2,280.0	4.8	4.9	-128.05	-47.7	-145.1	199.9	191.3	8.63	23.171		
2,400.0	2,380.5	2,384.7	2,377.7	5.2	5.1	-132.59	-50.8	-152.1	224.5	215.4	9.14	24.575		
2,500.0	2,476.5	2,480.5	2,473.2	5.6	5.3	-136.03	-53.0	-159.0	249.4	239.8	9.63	25.914		
2,600.0	2,572.5	2,575.8	2,568.2	6.1	5.5	-138.91	-55.5	-165.7	275.3	265.2	10.10	27.253		
2,700.0	2,668.5	2,672.3	2,664.5	6.5	5.7	-141.39	-58.0	-172.1	301.6	291.1	10.56	28.556		
2,800.0	2,764.5	2,768.2	2,760.2	7.0	5.9	-143.49	-60.5	-178.2	328.2	317.2	11.01	29.799		
2,900.0	2,860.5	2,864.7	2,856.4	7.5	6.1	-145.29	-62.8	-184.4	355.1	343.6	11.46	30.984		
3,000.0	2,956.5	2,960.0	2,951.5	8.0	6.3	-146.83	-64.9	-190.4	382.0	370.1	11.90	32.108		
3,100.0	3,052.5	3,055.0	3,046.3	8.4	6.5	-148.15	-67.4	-196.5	409.5	397.2	12.33	33.210		
3,200.0	3,148.5	3,148.0	3,139.0	8.9	6.7	-149.31	-70.4	-202.4	437.8	425.1	12.75	34.336		
3,300.0	3,244.5	3,243.2	3,234.0	9.4	6.9	-150.44	-73.7	-207.8	466.3	453.2	13.16	35.427		
3,400.0	3,340.5	3,339.3	3,329.9	9.9	7.1	-151.48	-76.9	-213.0	495.0	481.4	13.57	36.471		

Cathedral Energy Services

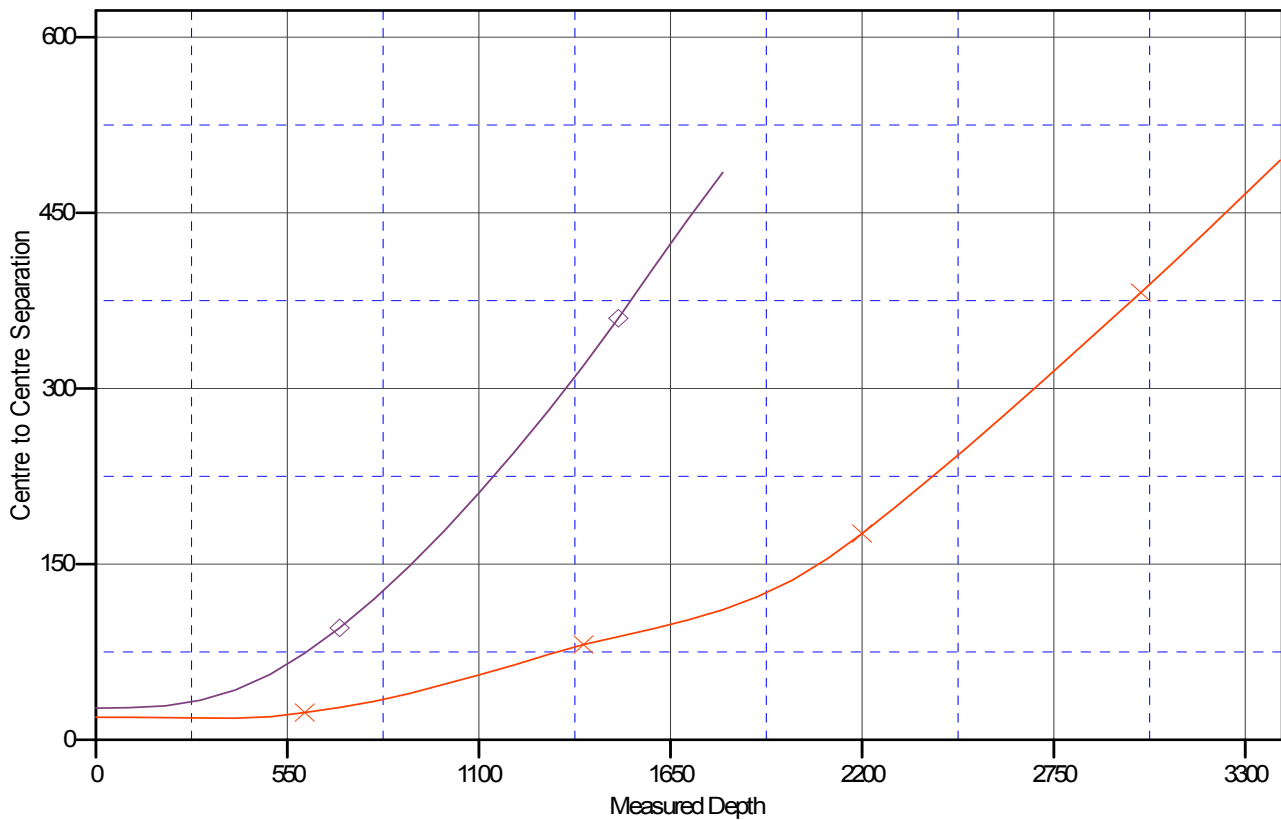
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Reference Well:	Kimball Creek 14-403D-995	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 6890.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Kimball Creek 14-403D-995
 Coordinate System is US State Plane 1983, Colorado Southern Zone
 Grid Convergence at Surface is: -1.50°

Ladder Plot



LEGEND

4-406D-995 (EXISTING), EXISTING, EXISTING V0 — KC 11-416D-995 (EXISTING), EXISTING, EXISTING V0