



Caerus Oil & Gas

**Rio Blanco County, CO (UTM 12N)
SEC 14-T4S-R96W ELU FED J14 496
ELU J14 FED 15C-14 496**

OH

Plan: Plan 1

Standard Planning Report

06 December, 2019



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	707.87	15.24	226.48	701.91	-46.23	-48.68	3.00	226.48	67.13	
4	8269.85	15.24	226.48	7998.09	-1414.69	-1489.69	0.00	0.00	2054.34	
5	8777.72	0.00	0.00	8500.00	-1460.92	-1538.37	3.00	180.00	2121.47	
6	8832.97	1.10	240.02	8555.24	-1461.19	-1538.83	2.00	240.02	2121.99	
7	12265.37	1.10	240.02	11987.00	-1494.26	-1596.16	0.00	0.00	2186.44	BHL - ELU J14 15C-14 496

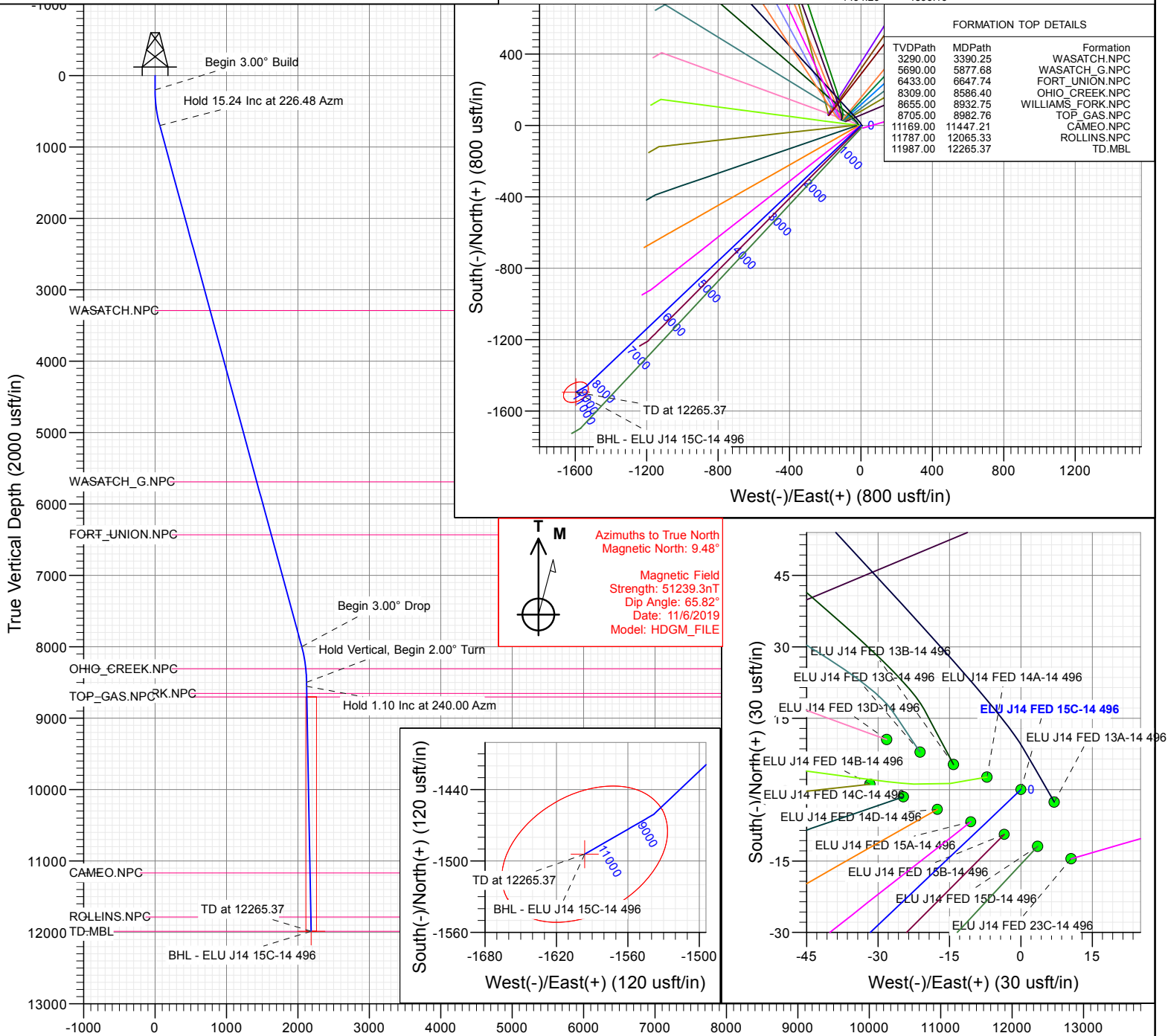
Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU FED J14 496
Well: ELU J14 FED 15C-14 496
Wellbore: OH
Design: Plan 1

Plan 1
ELU J14 FED 15C-14 496
RKB @ 7932.00usft
Ground Level @ 7902.00
NAD 1927 - Western US
Well ELU J14 FED 15C-14 496, True North

Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 15C-14 496	TD			226.89	Slot		0.00	0.00	0.00	
				11987.00			+N/-S	+E/-W	Latitude	Longitude
							-1494.26	-1596.16	39.696684	-108.141499

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3290.00	3390.25	WASATCH.NPC
5690.00	5877.68	WASATCH_G.NPC
6433.00	6647.74	FORT_UNION.NPC
8309.00	8586.40	OHIO_CREEK.NPC
8655.00	8932.75	WILLIAMS_FORK.NPC
8705.00	8982.76	TOP_GAS.NPC
11169.00	11447.21	CAMEO.NPC
11787.00	12065.33	ROLLINS.NPC
11987.00	12265.37	TD.MBL



+N/-S 0.00 +E/-W 0.00 Northing 14429962.29 Easting 2446104.01 7902.00 Latitude 39.700785 Longitude -108.135829



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15C-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7932.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7932.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 15C-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	Rio Blanco County, CO (UTM 12N)		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site						SEC 14-T4S-R96W ELU FED J14 496											
Site Position:			Northing:			14,430,024.30 usft			Latitude:			39.700971					
From:			Map			Easting:			2,445,919.10 usft			Longitude:			-108.136478		
Position Uncertainty:			0.00 usft			Slot Radius:			13-3/16 "			Grid Convergence:			1.83		

Well	ELU J14 FED 15C-14 496					
Well Position	+N/-S	-67.89 usft	Northing:	14,429,962.29 usft	Latitude:	39.700785
	+E/-W	182.84 usft	Easting:	2,446,104.02 usft	Longitude:	-108.135829
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level:	7,902.00 usft

Wellbore	OH				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	11/6/2019	9.48	65.82	51,239.30000000

Design	Plan 1				
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Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	226.89	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
707.87	15.24	226.48	701.91	-46.23	-48.68	3.00	3.00	0.00	226.48	
8,269.85	15.24	226.48	7,998.09	-1,414.69	-1,489.69	0.00	0.00	0.00	0.00	
8,777.72	0.00	0.00	8,500.00	-1,460.92	-1,538.37	3.00	-3.00	0.00	180.00	
8,832.97	1.10	240.02	8,555.24	-1,461.19	-1,538.83	2.00	2.00	-217.19	240.02	
12,265.37	1.10	240.02	11,987.00	-1,494.26	-1,596.16	0.00	0.00	0.00	0.00	BHL - ELU J14 15C

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15C-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7932.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7932.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 15C-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin 3.00° Build									
300.00	3.00	226.48	299.95	-1.80	-1.90	2.62	3.00	3.00	0.00
400.00	6.00	226.48	399.63	-7.20	-7.59	10.46	3.00	3.00	0.00
500.00	9.00	226.48	498.77	-16.19	-17.05	23.51	3.00	3.00	0.00
600.00	12.00	226.48	597.08	-28.74	-30.26	41.73	3.00	3.00	0.00
700.00	15.00	226.48	694.31	-44.81	-47.19	65.08	3.00	3.00	0.00
707.87	15.24	226.48	701.91	-46.23	-48.68	67.13	3.00	3.00	0.00
Hold 15.24 Inc at 226.48 Azm									
800.00	15.24	226.48	790.80	-62.90	-66.23	91.34	0.00	0.00	0.00
900.00	15.24	226.48	887.28	-81.00	-85.29	117.62	0.00	0.00	0.00
1,000.00	15.24	226.48	983.77	-99.09	-104.35	143.90	0.00	0.00	0.00
1,100.00	15.24	226.48	1,080.25	-117.19	-123.40	170.18	0.00	0.00	0.00
1,200.00	15.24	226.48	1,176.74	-135.29	-142.46	196.45	0.00	0.00	0.00
1,300.00	15.24	226.48	1,273.22	-153.38	-161.51	222.73	0.00	0.00	0.00
1,400.00	15.24	226.48	1,369.71	-171.48	-180.57	249.01	0.00	0.00	0.00
1,500.00	15.24	226.48	1,466.19	-189.58	-199.63	275.29	0.00	0.00	0.00
1,600.00	15.24	226.48	1,562.68	-207.67	-218.68	301.57	0.00	0.00	0.00
1,700.00	15.24	226.48	1,659.16	-225.77	-237.74	327.85	0.00	0.00	0.00
1,800.00	15.24	226.48	1,755.65	-243.87	-256.79	354.13	0.00	0.00	0.00
1,900.00	15.24	226.48	1,852.13	-261.96	-275.85	380.41	0.00	0.00	0.00
2,000.00	15.24	226.48	1,948.62	-280.06	-294.91	406.69	0.00	0.00	0.00
2,100.00	15.24	226.48	2,045.10	-298.16	-313.96	432.97	0.00	0.00	0.00
2,200.00	15.24	226.48	2,141.59	-316.25	-333.02	459.24	0.00	0.00	0.00
2,300.00	15.24	226.48	2,238.07	-334.35	-352.07	485.52	0.00	0.00	0.00
2,400.00	15.24	226.48	2,334.56	-352.45	-371.13	511.80	0.00	0.00	0.00
2,500.00	15.24	226.48	2,431.04	-370.54	-390.19	538.08	0.00	0.00	0.00
2,600.00	15.24	226.48	2,527.53	-388.64	-409.24	564.36	0.00	0.00	0.00
2,700.00	15.24	226.48	2,624.01	-406.74	-428.30	590.64	0.00	0.00	0.00
2,800.00	15.24	226.48	2,720.50	-424.83	-447.35	616.92	0.00	0.00	0.00
2,900.00	15.24	226.48	2,816.98	-442.93	-466.41	643.20	0.00	0.00	0.00
3,000.00	15.24	226.48	2,913.47	-461.03	-485.47	669.48	0.00	0.00	0.00
3,100.00	15.24	226.48	3,009.96	-479.12	-504.52	695.76	0.00	0.00	0.00
3,200.00	15.24	226.48	3,106.44	-497.22	-523.58	722.04	0.00	0.00	0.00
3,300.00	15.24	226.48	3,202.93	-515.32	-542.63	748.31	0.00	0.00	0.00
3,390.25	15.24	226.48	3,290.00	-531.65	-559.83	772.03	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	15.24	226.48	3,299.41	-533.41	-561.69	774.59	0.00	0.00	0.00
3,500.00	15.24	226.48	3,395.90	-551.51	-580.75	800.87	0.00	0.00	0.00
3,600.00	15.24	226.48	3,492.38	-569.61	-599.80	827.15	0.00	0.00	0.00
3,700.00	15.24	226.48	3,588.87	-587.70	-618.86	853.43	0.00	0.00	0.00
3,800.00	15.24	226.48	3,685.35	-605.80	-637.92	879.71	0.00	0.00	0.00
3,900.00	15.24	226.48	3,781.84	-623.90	-656.97	905.99	0.00	0.00	0.00
4,000.00	15.24	226.48	3,878.32	-641.99	-676.03	932.27	0.00	0.00	0.00
4,100.00	15.24	226.48	3,974.81	-660.09	-695.08	958.55	0.00	0.00	0.00
4,200.00	15.24	226.48	4,071.29	-678.19	-714.14	984.83	0.00	0.00	0.00
4,300.00	15.24	226.48	4,167.78	-696.28	-733.20	1,011.10	0.00	0.00	0.00
4,400.00	15.24	226.48	4,264.26	-714.38	-752.25	1,037.38	0.00	0.00	0.00
4,500.00	15.24	226.48	4,360.75	-732.48	-771.31	1,063.66	0.00	0.00	0.00
4,600.00	15.24	226.48	4,457.23	-750.57	-790.36	1,089.94	0.00	0.00	0.00
4,700.00	15.24	226.48	4,553.72	-768.67	-809.42	1,116.22	0.00	0.00	0.00
4,800.00	15.24	226.48	4,650.20	-786.77	-828.48	1,142.50	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15C-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7932.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7932.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 15C-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.00	15.24	226.48	4,746.69	-804.86	-847.53	1,168.78	0.00	0.00	0.00
5,000.00	15.24	226.48	4,843.17	-822.96	-866.59	1,195.06	0.00	0.00	0.00
5,100.00	15.24	226.48	4,939.66	-841.06	-885.64	1,221.34	0.00	0.00	0.00
5,200.00	15.24	226.48	5,036.14	-859.15	-904.70	1,247.62	0.00	0.00	0.00
5,300.00	15.24	226.48	5,132.63	-877.25	-923.76	1,273.89	0.00	0.00	0.00
5,400.00	15.24	226.48	5,229.11	-895.35	-942.81	1,300.17	0.00	0.00	0.00
5,500.00	15.24	226.48	5,325.60	-913.44	-961.87	1,326.45	0.00	0.00	0.00
5,600.00	15.24	226.48	5,422.08	-931.54	-980.92	1,352.73	0.00	0.00	0.00
5,700.00	15.24	226.48	5,518.57	-949.64	-999.98	1,379.01	0.00	0.00	0.00
5,800.00	15.24	226.48	5,615.05	-967.73	-1,019.04	1,405.29	0.00	0.00	0.00
5,877.68	15.24	226.48	5,690.00	-981.79	-1,033.84	1,425.70	0.00	0.00	0.00
WASATCH_G.NPC									
5,900.00	15.24	226.48	5,711.54	-985.83	-1,038.09	1,431.57	0.00	0.00	0.00
6,000.00	15.24	226.48	5,808.02	-1,003.93	-1,057.15	1,457.85	0.00	0.00	0.00
6,100.00	15.24	226.48	5,904.51	-1,022.02	-1,076.20	1,484.13	0.00	0.00	0.00
6,200.00	15.24	226.48	6,000.99	-1,040.12	-1,095.26	1,510.41	0.00	0.00	0.00
6,300.00	15.24	226.48	6,097.48	-1,058.22	-1,114.32	1,536.69	0.00	0.00	0.00
6,400.00	15.24	226.48	6,193.96	-1,076.31	-1,133.37	1,562.96	0.00	0.00	0.00
6,500.00	15.24	226.48	6,290.45	-1,094.41	-1,152.43	1,589.24	0.00	0.00	0.00
6,600.00	15.24	226.48	6,386.93	-1,112.51	-1,171.48	1,615.52	0.00	0.00	0.00
6,647.74	15.24	226.48	6,433.00	-1,121.15	-1,180.58	1,628.07	0.00	0.00	0.00
FORT_UNION.NPC									
6,700.00	15.24	226.48	6,483.42	-1,130.60	-1,190.54	1,641.80	0.00	0.00	0.00
6,800.00	15.24	226.48	6,579.90	-1,148.70	-1,209.60	1,668.08	0.00	0.00	0.00
6,900.00	15.24	226.48	6,676.39	-1,166.80	-1,228.65	1,694.36	0.00	0.00	0.00
7,000.00	15.24	226.48	6,772.87	-1,184.89	-1,247.71	1,720.64	0.00	0.00	0.00
7,100.00	15.24	226.48	6,869.36	-1,202.99	-1,266.76	1,746.92	0.00	0.00	0.00
7,200.00	15.24	226.48	6,965.84	-1,221.09	-1,285.82	1,773.20	0.00	0.00	0.00
7,300.00	15.24	226.48	7,062.33	-1,239.18	-1,304.88	1,799.48	0.00	0.00	0.00
7,400.00	15.24	226.48	7,158.82	-1,257.28	-1,323.93	1,825.75	0.00	0.00	0.00
7,500.00	15.24	226.48	7,255.30	-1,275.38	-1,342.99	1,852.03	0.00	0.00	0.00
7,600.00	15.24	226.48	7,351.79	-1,293.47	-1,362.05	1,878.31	0.00	0.00	0.00
7,700.00	15.24	226.48	7,448.27	-1,311.57	-1,381.10	1,904.59	0.00	0.00	0.00
7,800.00	15.24	226.48	7,544.76	-1,329.67	-1,400.16	1,930.87	0.00	0.00	0.00
7,900.00	15.24	226.48	7,641.24	-1,347.76	-1,419.21	1,957.15	0.00	0.00	0.00
8,000.00	15.24	226.48	7,737.73	-1,365.86	-1,438.27	1,983.43	0.00	0.00	0.00
8,100.00	15.24	226.48	7,834.21	-1,383.96	-1,457.33	2,009.71	0.00	0.00	0.00
8,200.00	15.24	226.48	7,930.70	-1,402.05	-1,476.38	2,035.99	0.00	0.00	0.00
8,269.85	15.24	226.48	7,998.09	-1,414.69	-1,489.69	2,054.34	0.00	0.00	0.00
Begin 3.00° Drop									
8,300.00	14.33	226.48	8,027.24	-1,419.99	-1,495.27	2,062.04	3.00	-3.00	0.00
8,400.00	11.33	226.48	8,124.73	-1,435.28	-1,511.37	2,084.24	3.00	-3.00	0.00
8,500.00	8.33	226.48	8,223.25	-1,447.04	-1,523.75	2,101.31	3.00	-3.00	0.00
8,586.40	5.74	226.48	8,309.00	-1,454.33	-1,531.43	2,111.90	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,600.00	5.33	226.48	8,322.53	-1,455.23	-1,532.38	2,113.21	3.00	-3.00	0.00
8,700.00	2.33	226.48	8,422.30	-1,459.83	-1,537.22	2,119.89	3.00	-3.00	0.00
8,777.72	0.00	226.48	8,500.00	-1,460.92	-1,538.37	2,121.47	3.00	-3.00	0.00
Hold Vertical, Begin 2.00° Turn									
8,800.00	0.45	240.02	8,522.28	-1,460.96	-1,538.45	2,121.56	2.00	2.00	60.77
8,832.97	1.10	240.02	8,555.24	-1,461.19	-1,538.83	2,121.99	2.00	2.00	0.00
Hold 1.10 Inc at 240.00 Azm									
8,900.00	1.10	240.02	8,622.26	-1,461.83	-1,539.95	2,123.25	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15C-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7932.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7932.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 15C-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,932.75	1.10	240.02	8,655.00	-1,462.15	-1,540.50	2,123.86	0.00	0.00	0.00
WILLIAMS_FORK.NPC									
8,982.76	1.10	240.02	8,705.00	-1,462.63	-1,541.33	2,124.80	0.00	0.00	0.00
TOP_GAS.NPC									
9,000.00	1.10	240.02	8,722.24	-1,462.80	-1,541.62	2,125.13	0.00	0.00	0.00
9,100.00	1.10	240.02	8,822.22	-1,463.76	-1,543.29	2,127.00	0.00	0.00	0.00
9,200.00	1.10	240.02	8,922.20	-1,464.72	-1,544.96	2,128.88	0.00	0.00	0.00
9,300.00	1.10	240.02	9,022.19	-1,465.69	-1,546.63	2,130.76	0.00	0.00	0.00
9,400.00	1.10	240.02	9,122.17	-1,466.65	-1,548.30	2,132.64	0.00	0.00	0.00
9,500.00	1.10	240.02	9,222.15	-1,467.61	-1,549.97	2,134.52	0.00	0.00	0.00
9,600.00	1.10	240.02	9,322.13	-1,468.58	-1,551.64	2,136.39	0.00	0.00	0.00
9,700.00	1.10	240.02	9,422.11	-1,469.54	-1,553.31	2,138.27	0.00	0.00	0.00
9,800.00	1.10	240.02	9,522.09	-1,470.50	-1,554.98	2,140.15	0.00	0.00	0.00
9,900.00	1.10	240.02	9,622.07	-1,471.47	-1,556.65	2,142.03	0.00	0.00	0.00
10,000.00	1.10	240.02	9,722.06	-1,472.43	-1,558.32	2,143.90	0.00	0.00	0.00
10,100.00	1.10	240.02	9,822.04	-1,473.39	-1,559.99	2,145.78	0.00	0.00	0.00
10,200.00	1.10	240.02	9,922.02	-1,474.36	-1,561.66	2,147.66	0.00	0.00	0.00
10,300.00	1.10	240.02	10,022.00	-1,475.32	-1,563.33	2,149.54	0.00	0.00	0.00
10,400.00	1.10	240.02	10,121.98	-1,476.29	-1,565.00	2,151.42	0.00	0.00	0.00
10,500.00	1.10	240.02	10,221.96	-1,477.25	-1,566.67	2,153.29	0.00	0.00	0.00
10,600.00	1.10	240.02	10,321.94	-1,478.21	-1,568.34	2,155.17	0.00	0.00	0.00
10,700.00	1.10	240.02	10,421.93	-1,479.18	-1,570.01	2,157.05	0.00	0.00	0.00
10,800.00	1.10	240.02	10,521.91	-1,480.14	-1,571.68	2,158.93	0.00	0.00	0.00
10,900.00	1.10	240.02	10,621.89	-1,481.10	-1,573.35	2,160.80	0.00	0.00	0.00
11,000.00	1.10	240.02	10,721.87	-1,482.07	-1,575.02	2,162.68	0.00	0.00	0.00
11,100.00	1.10	240.02	10,821.85	-1,483.03	-1,576.70	2,164.56	0.00	0.00	0.00
11,200.00	1.10	240.02	10,921.83	-1,483.99	-1,578.37	2,166.44	0.00	0.00	0.00
11,300.00	1.10	240.02	11,021.81	-1,484.96	-1,580.04	2,168.32	0.00	0.00	0.00
11,400.00	1.10	240.02	11,121.80	-1,485.92	-1,581.71	2,170.19	0.00	0.00	0.00
11,447.21	1.10	240.02	11,169.00	-1,486.38	-1,582.49	2,171.08	0.00	0.00	0.00
CAMEO.NPC									
11,500.00	1.10	240.02	11,221.78	-1,486.88	-1,583.38	2,172.07	0.00	0.00	0.00
11,600.00	1.10	240.02	11,321.76	-1,487.85	-1,585.05	2,173.95	0.00	0.00	0.00
11,700.00	1.10	240.02	11,421.74	-1,488.81	-1,586.72	2,175.83	0.00	0.00	0.00
11,800.00	1.10	240.02	11,521.72	-1,489.78	-1,588.39	2,177.70	0.00	0.00	0.00
11,900.00	1.10	240.02	11,621.70	-1,490.74	-1,590.06	2,179.58	0.00	0.00	0.00
12,000.00	1.10	240.02	11,721.68	-1,491.70	-1,591.73	2,181.46	0.00	0.00	0.00
12,065.33	1.10	240.02	11,787.00	-1,492.33	-1,592.82	2,182.69	0.00	0.00	0.00
ROLLINS.NPC									
12,100.00	1.10	240.02	11,821.67	-1,492.67	-1,593.40	2,183.34	0.00	0.00	0.00
12,200.00	1.10	240.02	11,921.65	-1,493.63	-1,595.07	2,185.22	0.00	0.00	0.00
12,265.37	1.10	240.02	11,987.00	-1,494.26	-1,596.16	2,186.44	0.00	0.00	0.00
TD at 12265.37									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - ELU J14 15C-1	0.00	0.00	11,987.00	-1,494.26	-1,596.16	14,428,417.80	2,444,556.40	39.696684	-108.141499
- plan hits target center									
- Ellipse (radii L75.00 W50.00 on 240.00 azi)									

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15C-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7932.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7932.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 15C-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,390.25	3,290.00	WASATCH.NPC				
5,877.68	5,690.00	WASATCH_G.NPC				
6,647.74	6,433.00	FORT_UNION.NPC				
8,586.40	8,309.00	OHIO_CREEK.NPC				
8,932.75	8,655.00	WILLIAMS_FORK.NPC				
8,982.76	8,705.00	TOP_GAS.NPC				
11,447.21	11,169.00	CAMEO.NPC				
12,065.33	11,787.00	ROLLINS.NPC		0.00		
12,265.37	11,987.00	TD.MBL		0.00		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Begin 3.00° Build
707.87	701.91	-46.23	-48.68	Hold 15.24 Inc at 226.48 Azm
8,269.85	7,998.09	-1,414.69	-1,489.69	Begin 3.00° Drop
8,777.72	8,500.00	-1,460.92	-1,538.37	Hold Vertical, Begin 2.00° Turn
8,832.97	8,555.24	-1,461.19	-1,538.83	Hold 1.10 Inc at 240.00 Azm
12,265.37	11,987.00	-1,494.26	-1,596.16	TD at 12265.37