



Caerus Oil & Gas

**Rio Blanco County, CO (UTM 12N)
SEC 14-T4S-R96W ELU FED J14 496
ELU J14 FED 14D-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	V Sect	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	506.01	9.18	240.42	504.70	-12.07	-21.27	3.00	240.42	24.46	
4	8397.69	9.18	240.42	8295.30	-633.54	-1116.25	0.00	0.00	1283.50	
5	8703.70	0.00	0.00	8600.00	-645.61	-1137.52	3.00	180.00	1307.96	
6	8760.37	1.13	240.02	8656.67	-645.89	-1138.01	2.00	240.02	1308.52	
7	12152.36	1.13	240.02	12048.00	-679.42	-1196.12	0.00	0.00	1375.62	BHL - ELU J14 14D-14 496

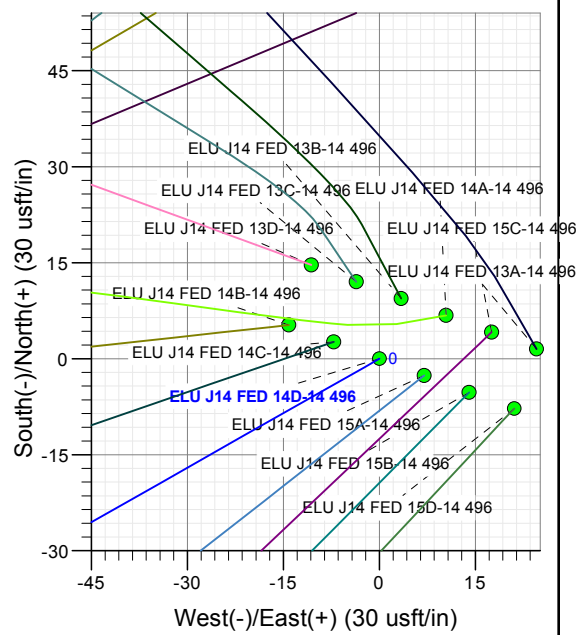
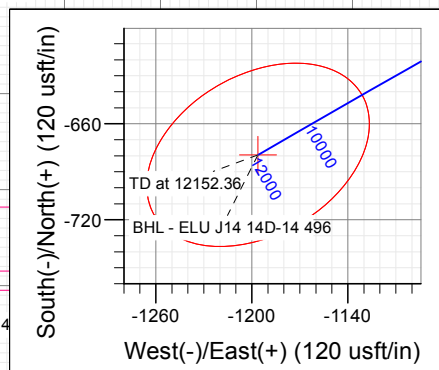
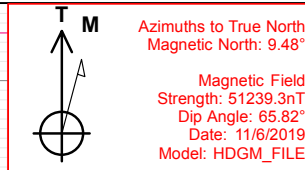
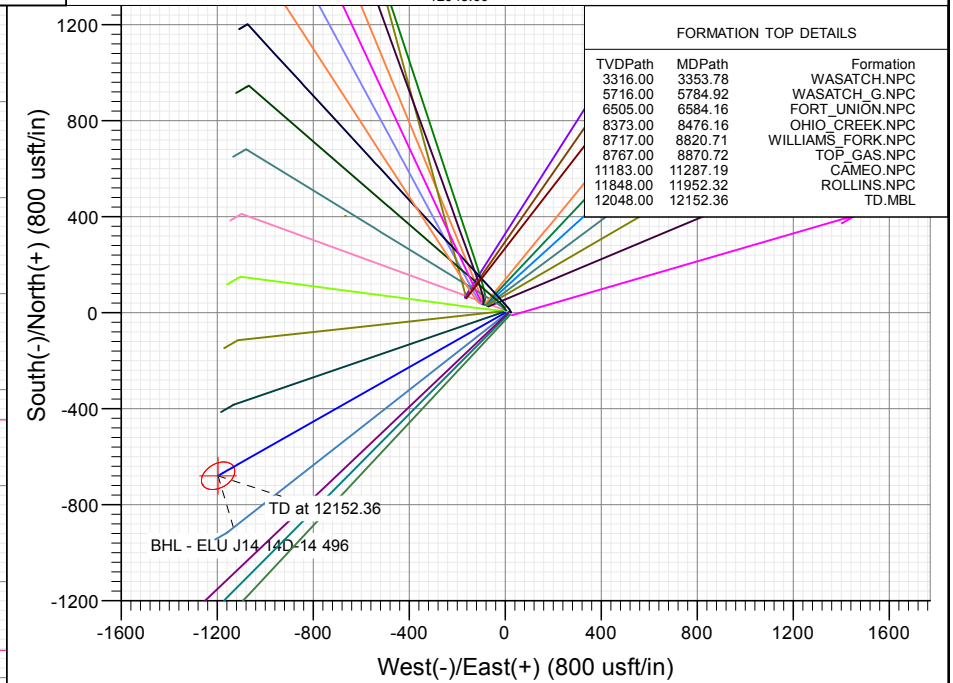
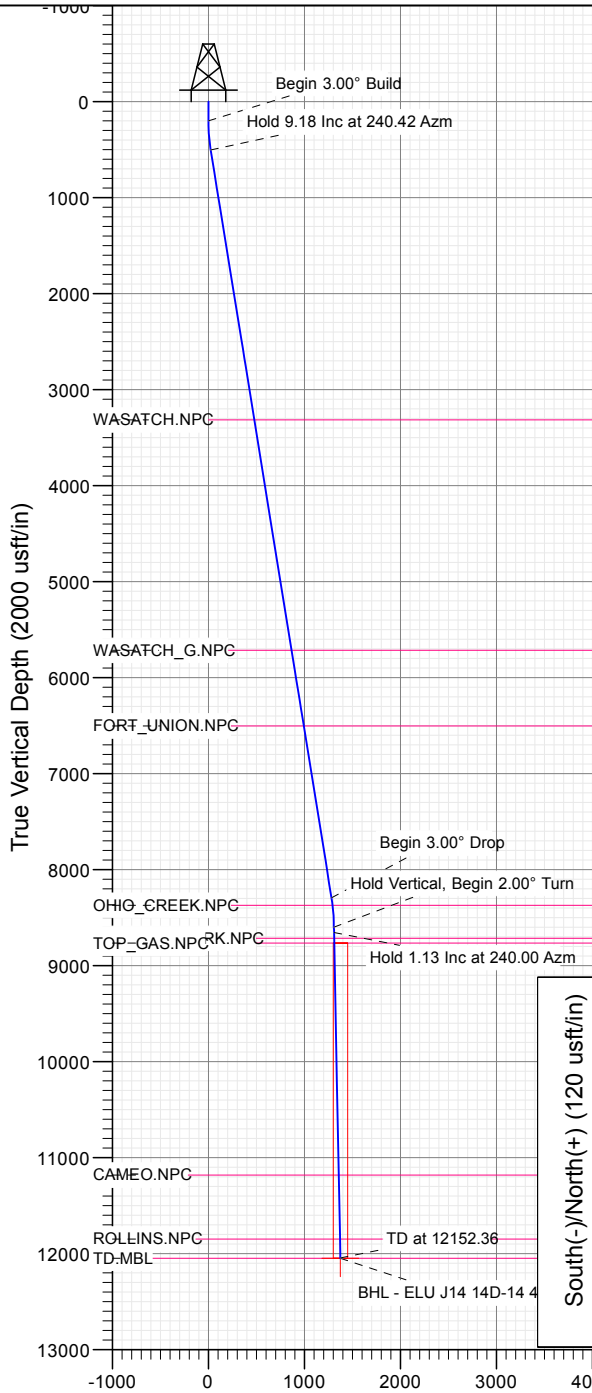
Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU FED J14 496
Well: ELU J14 FED 14D-14 496
Wellbore: OH
Design: Plan 1

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

Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 14D-14 496	TD			240.40	Slot		0.00	0.00	0.00	
				TVD			+N/-S	+E/-W	Latitude	Longitude
				12048.00			-679.42	-1196.12	39.698909	-108.140140

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3316.00	3353.78	WASATCH.NPC
5716.00	5784.92	WASATCH_G.NPC
6505.00	6584.16	FORT_UNION.NPC
8373.00	8476.16	OHIO_CREEK.NPC
8717.00	8820.71	WILLIAMS_FORK.NPC
8767.00	8870.72	TOP_GAS.NPC
1183.00	11287.19	CAMEO.NPC
11848.00	11952.32	ROLLINS.NPC
12048.00	12152.36	TD.MBL



Vertical Section at 240.40° (2000 usft/in)

WELL DETAILS: ELU J14 FED 14D-14 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14429957.59	2446086.61	39.700773	-108.135891

CATHEDRAL



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14D-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 14D-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 Feet)	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 14D-14 496					
Well Position	+N/-S	-72.03 usft	Northing:	14,429,957.59 usft	Latitude:	39.700773
	+E/-W	165.29 usft	Easting:	2,446,086.62 usft	Longitude:	-108.135891
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	240.40	

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	
506.01	9.18	240.42	504.70	-12.07	-21.27	3.00	3.00	0.00	240.42	
8,397.69	9.18	240.42	8,295.30	-633.54	-1,116.25	0.00	0.00	0.00	0.00	
8,703.70	0.00	0.00	8,600.00	-645.61	-1,137.52	3.00	-3.00	0.00	180.00	
8,760.37	1.13	240.02	8,656.67	-645.89	-1,138.01	2.00	2.00	-211.71	240.02	
12,152.36	1.13	240.02	12,048.00	-679.42	-1,196.12	0.00	0.00	0.00	0.00	BHL - ELU J14 14D



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14D-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 14D-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	240.42	299.95	-1.29	-2.28	2.62	3.00	3.00	0.00
400.00	6.00	240.42	399.63	-5.16	-9.10	10.46	3.00	3.00	0.00
500.00	9.00	240.42	498.77	-11.61	-20.45	23.51	3.00	3.00	0.00
506.01	9.18	240.42	504.70	-12.07	-21.28	24.46	3.00	3.00	0.00
Hold 9.18 Inc at 240.42 Azm									
600.00	9.18	240.42	597.49	-19.48	-34.32	39.46	0.00	0.00	0.00
700.00	9.18	240.42	696.21	-27.35	-48.19	55.41	0.00	0.00	0.00
800.00	9.18	240.42	794.93	-35.23	-62.07	71.37	0.00	0.00	0.00
900.00	9.18	240.42	893.65	-43.10	-75.94	87.32	0.00	0.00	0.00
1,000.00	9.18	240.42	992.37	-50.98	-89.82	103.27	0.00	0.00	0.00
1,100.00	9.18	240.42	1,091.08	-58.85	-103.69	119.23	0.00	0.00	0.00
1,200.00	9.18	240.42	1,189.80	-66.73	-117.57	135.18	0.00	0.00	0.00
1,300.00	9.18	240.42	1,288.52	-74.60	-131.44	151.14	0.00	0.00	0.00
1,400.00	9.18	240.42	1,387.24	-82.48	-145.32	167.09	0.00	0.00	0.00
1,500.00	9.18	240.42	1,485.96	-90.35	-159.19	183.04	0.00	0.00	0.00
1,600.00	9.18	240.42	1,584.68	-98.23	-173.07	199.00	0.00	0.00	0.00
1,700.00	9.18	240.42	1,683.40	-106.10	-186.94	214.95	0.00	0.00	0.00
1,800.00	9.18	240.42	1,782.12	-113.98	-200.82	230.91	0.00	0.00	0.00
1,900.00	9.18	240.42	1,880.84	-121.85	-214.69	246.86	0.00	0.00	0.00
2,000.00	9.18	240.42	1,979.56	-129.72	-228.57	262.81	0.00	0.00	0.00
2,100.00	9.18	240.42	2,078.28	-137.60	-242.44	278.77	0.00	0.00	0.00
2,200.00	9.18	240.42	2,176.99	-145.47	-256.32	294.72	0.00	0.00	0.00
2,300.00	9.18	240.42	2,275.71	-153.35	-270.19	310.68	0.00	0.00	0.00
2,400.00	9.18	240.42	2,374.43	-161.22	-284.07	326.63	0.00	0.00	0.00
2,500.00	9.18	240.42	2,473.15	-169.10	-297.94	342.58	0.00	0.00	0.00
2,600.00	9.18	240.42	2,571.87	-176.97	-311.82	358.54	0.00	0.00	0.00
2,700.00	9.18	240.42	2,670.59	-184.85	-325.69	374.49	0.00	0.00	0.00
2,800.00	9.18	240.42	2,769.31	-192.72	-339.57	390.45	0.00	0.00	0.00
2,900.00	9.18	240.42	2,868.03	-200.60	-353.44	406.40	0.00	0.00	0.00
3,000.00	9.18	240.42	2,966.75	-208.47	-367.32	422.35	0.00	0.00	0.00
3,100.00	9.18	240.42	3,065.47	-216.35	-381.19	438.31	0.00	0.00	0.00
3,200.00	9.18	240.42	3,164.19	-224.22	-395.07	454.26	0.00	0.00	0.00
3,300.00	9.18	240.42	3,262.91	-232.10	-408.94	470.22	0.00	0.00	0.00
3,353.78	9.18	240.42	3,316.00	-236.33	-416.40	478.80	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	9.18	240.42	3,361.62	-239.97	-422.82	486.17	0.00	0.00	0.00
3,500.00	9.18	240.42	3,460.34	-247.85	-436.69	502.12	0.00	0.00	0.00
3,600.00	9.18	240.42	3,559.06	-255.72	-450.57	518.08	0.00	0.00	0.00
3,700.00	9.18	240.42	3,657.78	-263.60	-464.44	534.03	0.00	0.00	0.00
3,800.00	9.18	240.42	3,756.50	-271.47	-478.32	549.99	0.00	0.00	0.00
3,900.00	9.18	240.42	3,855.22	-279.35	-492.19	565.94	0.00	0.00	0.00
4,000.00	9.18	240.42	3,953.94	-287.22	-506.07	581.89	0.00	0.00	0.00
4,100.00	9.18	240.42	4,052.66	-295.10	-519.94	597.85	0.00	0.00	0.00
4,200.00	9.18	240.42	4,151.38	-302.97	-533.82	613.80	0.00	0.00	0.00
4,300.00	9.18	240.42	4,250.10	-310.85	-547.69	629.76	0.00	0.00	0.00
4,400.00	9.18	240.42	4,348.82	-318.72	-561.57	645.71	0.00	0.00	0.00
4,500.00	9.18	240.42	4,447.54	-326.60	-575.44	661.66	0.00	0.00	0.00
4,600.00	9.18	240.42	4,546.25	-334.47	-589.32	677.62	0.00	0.00	0.00
4,700.00	9.18	240.42	4,644.97	-342.35	-603.19	693.57	0.00	0.00	0.00
4,800.00	9.18	240.42	4,743.69	-350.22	-617.07	709.52	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14D-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 14D-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	9.18	240.42	4,842.41	-358.10	-630.94	725.48	0.00	0.00	0.00
5,000.00	9.18	240.42	4,941.13	-365.97	-644.82	741.43	0.00	0.00	0.00
5,100.00	9.18	240.42	5,039.85	-373.85	-658.69	757.39	0.00	0.00	0.00
5,200.00	9.18	240.42	5,138.57	-381.72	-672.57	773.34	0.00	0.00	0.00
5,300.00	9.18	240.42	5,237.29	-389.60	-686.44	789.29	0.00	0.00	0.00
5,400.00	9.18	240.42	5,336.01	-397.47	-700.32	805.25	0.00	0.00	0.00
5,500.00	9.18	240.42	5,434.73	-405.35	-714.19	821.20	0.00	0.00	0.00
5,600.00	9.18	240.42	5,533.45	-413.22	-728.07	837.16	0.00	0.00	0.00
5,700.00	9.18	240.42	5,632.17	-421.10	-741.94	853.11	0.00	0.00	0.00
5,784.92	9.18	240.42	5,716.00	-427.78	-753.72	866.66	0.00	0.00	0.00
WASATCH_G.NPC									
5,800.00	9.18	240.42	5,730.88	-428.97	-755.82	869.06	0.00	0.00	0.00
5,900.00	9.18	240.42	5,829.60	-436.85	-769.69	885.02	0.00	0.00	0.00
6,000.00	9.18	240.42	5,928.32	-444.72	-783.57	900.97	0.00	0.00	0.00
6,100.00	9.18	240.42	6,027.04	-452.60	-797.44	916.93	0.00	0.00	0.00
6,200.00	9.18	240.42	6,125.76	-460.47	-811.32	932.88	0.00	0.00	0.00
6,300.00	9.18	240.42	6,224.48	-468.34	-825.19	948.83	0.00	0.00	0.00
6,400.00	9.18	240.42	6,323.20	-476.22	-839.07	964.79	0.00	0.00	0.00
6,500.00	9.18	240.42	6,421.92	-484.09	-852.94	980.74	0.00	0.00	0.00
6,584.16	9.18	240.42	6,505.00	-490.72	-864.62	994.17	0.00	0.00	0.00
FORT_UNION.NPC									
6,600.00	9.18	240.42	6,520.64	-491.97	-866.82	996.70	0.00	0.00	0.00
6,700.00	9.18	240.42	6,619.36	-499.84	-880.69	1,012.65	0.00	0.00	0.00
6,800.00	9.18	240.42	6,718.08	-507.72	-894.57	1,028.60	0.00	0.00	0.00
6,900.00	9.18	240.42	6,816.80	-515.59	-908.44	1,044.56	0.00	0.00	0.00
7,000.00	9.18	240.42	6,915.51	-523.47	-922.32	1,060.51	0.00	0.00	0.00
7,100.00	9.18	240.42	7,014.23	-531.34	-936.19	1,076.47	0.00	0.00	0.00
7,200.00	9.18	240.42	7,112.95	-539.22	-950.07	1,092.42	0.00	0.00	0.00
7,300.00	9.18	240.42	7,211.67	-547.09	-963.94	1,108.37	0.00	0.00	0.00
7,400.00	9.18	240.42	7,310.39	-554.97	-977.82	1,124.33	0.00	0.00	0.00
7,500.00	9.18	240.42	7,409.11	-562.84	-991.69	1,140.28	0.00	0.00	0.00
7,600.00	9.18	240.42	7,507.83	-570.72	-1,005.57	1,156.24	0.00	0.00	0.00
7,700.00	9.18	240.42	7,606.55	-578.59	-1,019.44	1,172.19	0.00	0.00	0.00
7,800.00	9.18	240.42	7,705.27	-586.47	-1,033.32	1,188.14	0.00	0.00	0.00
7,900.00	9.18	240.42	7,803.99	-594.34	-1,047.19	1,204.10	0.00	0.00	0.00
8,000.00	9.18	240.42	7,902.71	-602.22	-1,061.07	1,220.05	0.00	0.00	0.00
8,100.00	9.18	240.42	8,001.42	-610.09	-1,074.94	1,236.01	0.00	0.00	0.00
8,200.00	9.18	240.42	8,100.14	-617.97	-1,088.82	1,251.96	0.00	0.00	0.00
8,300.00	9.18	240.42	8,198.86	-625.84	-1,102.69	1,267.91	0.00	0.00	0.00
8,397.69	9.18	240.42	8,295.30	-633.54	-1,116.25	1,283.50	0.00	0.00	0.00
Begin 3.00° Drop									
8,400.00	9.11	240.42	8,297.58	-633.72	-1,116.56	1,283.87	3.00	-3.00	0.00
8,476.16	6.83	240.42	8,373.00	-638.93	-1,125.75	1,294.42	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,500.00	6.11	240.42	8,396.69	-640.25	-1,128.08	1,297.11	3.00	-3.00	0.00
8,600.00	3.11	240.42	8,496.36	-644.22	-1,135.07	1,305.15	3.00	-3.00	0.00
8,700.00	0.11	240.42	8,596.30	-645.61	-1,137.52	1,307.96	3.00	-3.00	0.00
8,703.70	0.00	0.00	8,600.00	-645.61	-1,137.52	1,307.96	3.00	-3.00	0.00
Hold Vertical, Begin 2.00° Turn									
8,760.37	1.13	240.02	8,656.67	-645.89	-1,138.01	1,308.52	2.00	2.00	0.00
Hold 1.13 Inc at 240.00 Azm									
8,800.00	1.13	240.02	8,696.29	-646.28	-1,138.68	1,309.31	0.00	0.00	0.00
8,820.71	1.13	240.02	8,717.00	-646.49	-1,139.04	1,309.72	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14D-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 14D-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)	
WILLIAMS_FORK.NPC										
8,870.72	1.13	240.02	8,767.00	-646.98	-1,139.90	1,310.71	0.00	0.00	0.00	
TOP_GAS.NPC										
8,900.00	1.13	240.02	8,796.27	-647.27	-1,140.40	1,311.28	0.00	0.00	0.00	
9,000.00	1.13	240.02	8,896.25	-648.26	-1,142.11	1,313.26	0.00	0.00	0.00	
9,100.00	1.13	240.02	8,996.23	-649.25	-1,143.82	1,315.24	0.00	0.00	0.00	
9,200.00	1.13	240.02	9,096.21	-650.24	-1,145.54	1,317.22	0.00	0.00	0.00	
9,300.00	1.13	240.02	9,196.20	-651.22	-1,147.25	1,319.20	0.00	0.00	0.00	
9,400.00	1.13	240.02	9,296.18	-652.21	-1,148.97	1,321.17	0.00	0.00	0.00	
9,500.00	1.13	240.02	9,396.16	-653.20	-1,150.68	1,323.15	0.00	0.00	0.00	
9,600.00	1.13	240.02	9,496.14	-654.19	-1,152.39	1,325.13	0.00	0.00	0.00	
9,700.00	1.13	240.02	9,596.12	-655.18	-1,154.11	1,327.11	0.00	0.00	0.00	
9,800.00	1.13	240.02	9,696.10	-656.17	-1,155.82	1,329.09	0.00	0.00	0.00	
9,900.00	1.13	240.02	9,796.08	-657.16	-1,157.53	1,331.07	0.00	0.00	0.00	
10,000.00	1.13	240.02	9,896.06	-658.15	-1,159.25	1,333.04	0.00	0.00	0.00	
10,100.00	1.13	240.02	9,996.04	-659.13	-1,160.96	1,335.02	0.00	0.00	0.00	
10,200.00	1.13	240.02	10,096.02	-660.12	-1,162.67	1,337.00	0.00	0.00	0.00	
10,300.00	1.13	240.02	10,196.00	-661.11	-1,164.39	1,338.98	0.00	0.00	0.00	
10,400.00	1.13	240.02	10,295.98	-662.10	-1,166.10	1,340.96	0.00	0.00	0.00	
10,500.00	1.13	240.02	10,395.96	-663.09	-1,167.81	1,342.93	0.00	0.00	0.00	
10,600.00	1.13	240.02	10,495.94	-664.08	-1,169.53	1,344.91	0.00	0.00	0.00	
10,700.00	1.13	240.02	10,595.92	-665.07	-1,171.24	1,346.89	0.00	0.00	0.00	
10,800.00	1.13	240.02	10,695.90	-666.05	-1,172.95	1,348.87	0.00	0.00	0.00	
10,900.00	1.13	240.02	10,795.88	-667.04	-1,174.67	1,350.85	0.00	0.00	0.00	
11,000.00	1.13	240.02	10,895.86	-668.03	-1,176.38	1,352.82	0.00	0.00	0.00	
11,100.00	1.13	240.02	10,995.84	-669.02	-1,178.09	1,354.80	0.00	0.00	0.00	
11,200.00	1.13	240.02	11,095.82	-670.01	-1,179.81	1,356.78	0.00	0.00	0.00	
11,287.19	1.13	240.02	11,183.00	-670.87	-1,181.30	1,358.51	0.00	0.00	0.00	
CAMEO.NPC										
11,300.00	1.13	240.02	11,195.80	-671.00	-1,181.52	1,358.76	0.00	0.00	0.00	
11,400.00	1.13	240.02	11,295.78	-671.99	-1,183.23	1,360.74	0.00	0.00	0.00	
11,500.00	1.13	240.02	11,395.76	-672.97	-1,184.95	1,362.72	0.00	0.00	0.00	
11,600.00	1.13	240.02	11,495.75	-673.96	-1,186.66	1,364.69	0.00	0.00	0.00	
11,700.00	1.13	240.02	11,595.73	-674.95	-1,188.37	1,366.67	0.00	0.00	0.00	
11,800.00	1.13	240.02	11,695.71	-675.94	-1,190.09	1,368.65	0.00	0.00	0.00	
11,900.00	1.13	240.02	11,795.69	-676.93	-1,191.80	1,370.63	0.00	0.00	0.00	
11,952.32	1.13	240.02	11,848.00	-677.45	-1,192.70	1,371.66	0.00	0.00	0.00	
ROLLINS.NPC										
12,000.00	1.13	240.02	11,895.67	-677.92	-1,193.51	1,372.61	0.00	0.00	0.00	
12,100.00	1.13	240.02	11,995.65	-678.91	-1,195.23	1,374.58	0.00	0.00	0.00	
12,152.36	1.13	240.02	12,048.00	-679.42	-1,196.12	1,375.62	0.00	0.00	0.00	
TD at 12152.36										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
BHL - ELU J14 14D-1	0.00	0.00	12,048.00	-679.42	-1,196.12	14,429,240.30	2,444,912.80	39.698909	-108.140140	
- 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 14D-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 14D-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,353.78	3,316.00	WASATCH.NPC				
5,784.92	5,716.00	WASATCH_G.NPC				
6,584.16	6,505.00	FORT_UNION.NPC				
8,476.16	8,373.00	OHIO_CREEK.NPC				
8,820.71	8,717.00	WILLIAMS_FORK.NPC				
8,870.72	8,767.00	TOP_GAS.NPC				
11,287.19	11,183.00	CAMEO.NPC				
11,952.32	11,848.00	ROLLINS.NPC		0.00		
12,152.36	12,048.00	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
506.01	504.70	-12.07	-21.28	Hold 9.18 Inc at 240.42 Azm
8,397.69	8,295.30	-633.54	-1,116.25	Begin 3.00° Drop
8,703.70	8,600.00	-645.61	-1,137.52	Hold Vertical, Begin 2.00° Turn
8,760.37	8,656.67	-645.89	-1,138.01	Hold 1.13 Inc at 240.00 Azm
12,152.36	12,048.00	-679.42	-1,196.12	TD at 12152.36