



Caerus Oil & Gas

Rio Blanco County, CO (UTM 12N)

SEC 14-T4S-R96W ELU J14 496

ELU J14 FED 11B-14 496

OH

Plan: Plan 1

Standard Planning Report

05 December, 2019



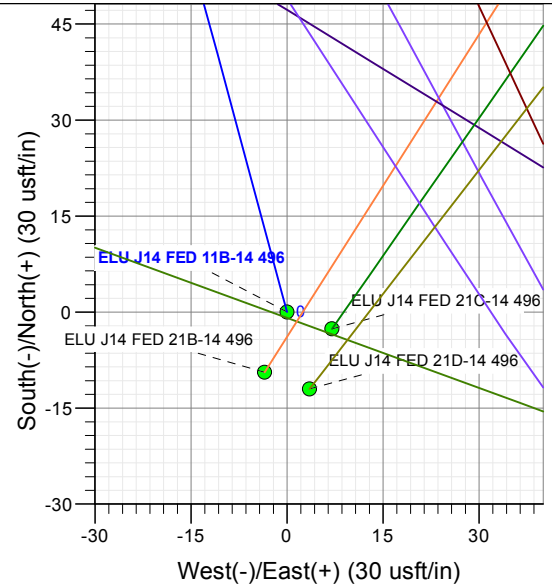
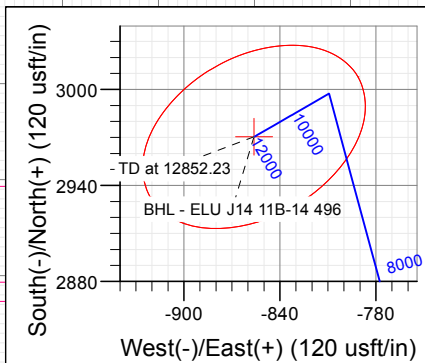
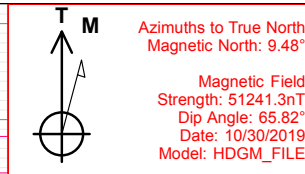
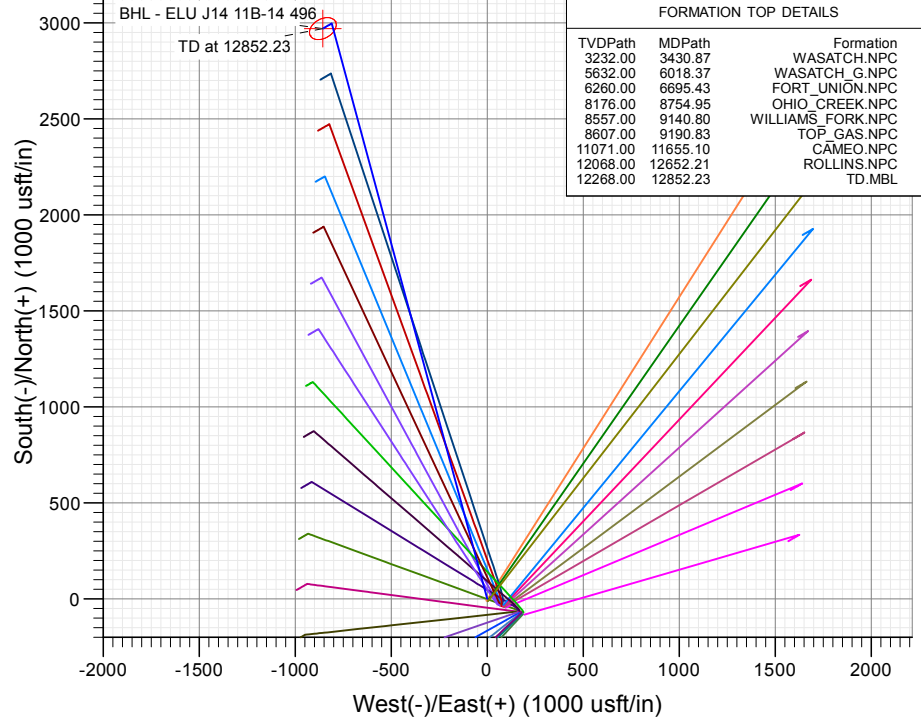
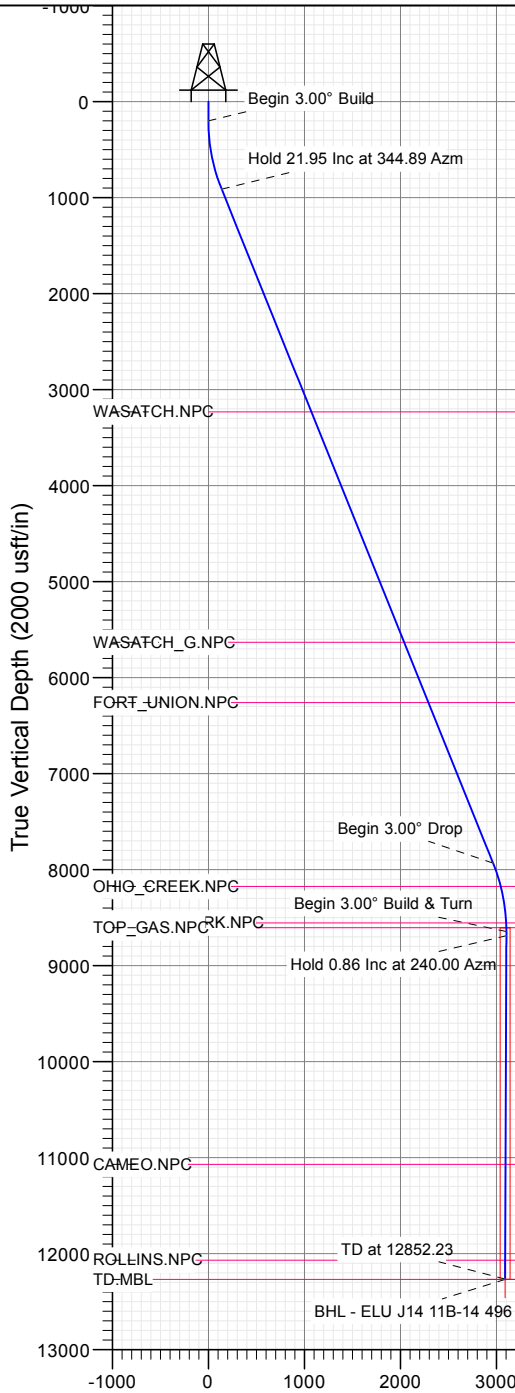
SECTION DETAILS

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	931.53	21.95	344.89	913.78	133.61	-36.08	3.00	344.89	138.38	
4	8498.29	21.95	344.89	7932.22	2863.78	-773.27	0.00	0.00	2965.92	
5	9229.83	0.00	0.00	8646.00	2997.39	-809.35	3.00	180.00	3104.29	
6	9272.84	0.86	240.02	8689.01	2997.23	-809.63	2.00	240.02	3104.22	
7	12852.23	0.86	240.02	12268.00	2970.37	-856.18	0.00	0.00	3091.31	BHL - ELU J14 11B-14 496

Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU J14 496
Well: ELU J14 FED 11B-14 496
Wellbore: OH
Design: Plan 1

Plan 1
ELU J14 FED 11B-14 496
RKB @ 7932.00usft
Ground Level @ 7902.00
NAD 1927 - Western US
Well ELU J14 FED 11B-14 496, True North

Name	Type	Target	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 11B-14 496	TD	No Target (Freehand)	343.92	Slot		0.00	0.00	0.00	
			TVD						
			12268.00						
			+N/-S						
			2970.37						
			+E/-W						
			-856.18						
			Latitude						
			39.709123						
			Longitude						
			-108.139520						



Vertical Section at 343.92° (2000 usft/in)

WELL DETAILS: ELU J14 FED 11B-14 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14430024.29	2445919.11	39.700971	-108.136478

CATHEDRAL



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 11B-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 J14 496	North Reference:	True
Well:	ELU J14 FED 11B-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 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 11B-14 496					
Well Position	+N/-S	-0.01 usft	Northing:	14,430,024.29 usft	Latitude:	39.700971
	+E/-W	0.01 usft	Easting:	2,445,919.12 usft	Longitude:	-108.136478
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	10/30/2019	9.48	65.82	51,241.30000000

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	343.92	

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	
931.53	21.95	344.89	913.78	133.61	-36.08	3.00	3.00	0.00	344.89	
8,498.29	21.95	344.89	7,932.22	2,863.78	-773.27	0.00	0.00	0.00	0.00	
9,229.83	0.00	0.00	8,646.00	2,997.39	-809.35	3.00	-3.00	0.00	180.00	
9,272.84	0.86	240.02	8,689.01	2,997.23	-809.63	2.00	2.00	-278.93	240.02	
12,852.23	0.86	240.02	12,268.00	2,970.37	-856.18	0.00	0.00	0.00	0.00	BHL - ELU J14 11B

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 11B-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 J14 496	North Reference:	True
Well:	ELU J14 FED 11B-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	344.89	299.95	2.53	-0.68	2.62	3.00	3.00	0.00
400.00	6.00	344.89	399.63	10.10	-2.73	10.46	3.00	3.00	0.00
500.00	9.00	344.89	498.77	22.70	-6.13	23.51	3.00	3.00	0.00
600.00	12.00	344.89	597.08	40.29	-10.88	41.73	3.00	3.00	0.00
700.00	15.00	344.89	694.31	62.83	-16.96	65.07	3.00	3.00	0.00
800.00	18.00	344.89	790.18	90.24	-24.37	93.46	3.00	3.00	0.00
900.00	21.00	344.89	884.43	122.47	-33.07	126.83	3.00	3.00	0.00
931.53	21.95	344.89	913.77	133.61	-36.08	138.37	3.00	3.00	0.00
Hold 21.95 Inc at 344.89 Azm									
1,000.00	21.95	344.89	977.28	158.31	-42.75	163.96	0.00	0.00	0.00
1,100.00	21.95	344.89	1,070.04	194.39	-52.49	201.33	0.00	0.00	0.00
1,200.00	21.95	344.89	1,162.79	230.48	-62.23	238.70	0.00	0.00	0.00
1,300.00	21.95	344.89	1,255.54	266.56	-71.98	276.06	0.00	0.00	0.00
1,400.00	21.95	344.89	1,348.30	302.64	-81.72	313.43	0.00	0.00	0.00
1,500.00	21.95	344.89	1,441.05	338.72	-91.46	350.80	0.00	0.00	0.00
1,600.00	21.95	344.89	1,533.80	374.80	-101.20	388.17	0.00	0.00	0.00
1,700.00	21.95	344.89	1,626.56	410.88	-110.95	425.54	0.00	0.00	0.00
1,800.00	21.95	344.89	1,719.31	446.96	-120.69	462.90	0.00	0.00	0.00
1,900.00	21.95	344.89	1,812.06	483.04	-130.43	500.27	0.00	0.00	0.00
2,000.00	21.95	344.89	1,904.82	519.12	-140.17	537.64	0.00	0.00	0.00
2,100.00	21.95	344.89	1,997.57	555.21	-149.92	575.01	0.00	0.00	0.00
2,200.00	21.95	344.89	2,090.33	591.29	-159.66	612.38	0.00	0.00	0.00
2,300.00	21.95	344.89	2,183.08	627.37	-169.40	649.74	0.00	0.00	0.00
2,400.00	21.95	344.89	2,275.83	663.45	-179.14	687.11	0.00	0.00	0.00
2,500.00	21.95	344.89	2,368.59	699.53	-188.89	724.48	0.00	0.00	0.00
2,600.00	21.95	344.89	2,461.34	735.61	-198.63	761.85	0.00	0.00	0.00
2,700.00	21.95	344.89	2,554.09	771.69	-208.37	799.21	0.00	0.00	0.00
2,800.00	21.95	344.89	2,646.85	807.77	-218.11	836.58	0.00	0.00	0.00
2,900.00	21.95	344.89	2,739.60	843.85	-227.86	873.95	0.00	0.00	0.00
3,000.00	21.95	344.89	2,832.35	879.94	-237.60	911.32	0.00	0.00	0.00
3,100.00	21.95	344.89	2,925.11	916.02	-247.34	948.69	0.00	0.00	0.00
3,200.00	21.95	344.89	3,017.86	952.10	-257.08	986.05	0.00	0.00	0.00
3,300.00	21.95	344.89	3,110.62	988.18	-266.83	1,023.42	0.00	0.00	0.00
3,400.00	21.95	344.89	3,203.37	1,024.26	-276.57	1,060.79	0.00	0.00	0.00
3,430.87	21.95	344.89	3,232.00	1,035.40	-279.58	1,072.33	0.00	0.00	0.00
WASATCH.NPC									
3,500.00	21.95	344.89	3,296.12	1,060.34	-286.31	1,098.16	0.00	0.00	0.00
3,600.00	21.95	344.89	3,388.88	1,096.42	-296.05	1,135.53	0.00	0.00	0.00
3,700.00	21.95	344.89	3,481.63	1,132.50	-305.80	1,172.89	0.00	0.00	0.00
3,800.00	21.95	344.89	3,574.38	1,168.58	-315.54	1,210.26	0.00	0.00	0.00
3,900.00	21.95	344.89	3,667.14	1,204.67	-325.28	1,247.63	0.00	0.00	0.00
4,000.00	21.95	344.89	3,759.89	1,240.75	-335.02	1,285.00	0.00	0.00	0.00
4,100.00	21.95	344.89	3,852.64	1,276.83	-344.77	1,322.37	0.00	0.00	0.00
4,200.00	21.95	344.89	3,945.40	1,312.91	-354.51	1,359.73	0.00	0.00	0.00
4,300.00	21.95	344.89	4,038.15	1,348.99	-364.25	1,397.10	0.00	0.00	0.00
4,400.00	21.95	344.89	4,130.91	1,385.07	-373.99	1,434.47	0.00	0.00	0.00
4,500.00	21.95	344.89	4,223.66	1,421.15	-383.74	1,471.84	0.00	0.00	0.00
4,600.00	21.95	344.89	4,316.41	1,457.23	-393.48	1,509.21	0.00	0.00	0.00
4,700.00	21.95	344.89	4,409.17	1,493.31	-403.22	1,546.57	0.00	0.00	0.00
4,800.00	21.95	344.89	4,501.92	1,529.39	-412.96	1,583.94	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 11B-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 J14 496	North Reference:	True
Well:	ELU J14 FED 11B-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	21.95	344.89	4,594.67	1,565.48	-422.71	1,621.31	0.00	0.00	0.00
5,000.00	21.95	344.89	4,687.43	1,601.56	-432.45	1,658.68	0.00	0.00	0.00
5,100.00	21.95	344.89	4,780.18	1,637.64	-442.19	1,696.05	0.00	0.00	0.00
5,200.00	21.95	344.89	4,872.93	1,673.72	-451.93	1,733.41	0.00	0.00	0.00
5,300.00	21.95	344.89	4,965.69	1,709.80	-461.68	1,770.78	0.00	0.00	0.00
5,400.00	21.95	344.89	5,058.44	1,745.88	-471.42	1,808.15	0.00	0.00	0.00
5,500.00	21.95	344.89	5,151.20	1,781.96	-481.16	1,845.52	0.00	0.00	0.00
5,600.00	21.95	344.89	5,243.95	1,818.04	-490.90	1,882.89	0.00	0.00	0.00
5,700.00	21.95	344.89	5,336.70	1,854.12	-500.65	1,920.25	0.00	0.00	0.00
5,800.00	21.95	344.89	5,429.46	1,890.21	-510.39	1,957.62	0.00	0.00	0.00
5,900.00	21.95	344.89	5,522.21	1,926.29	-520.13	1,994.99	0.00	0.00	0.00
6,000.00	21.95	344.89	5,614.96	1,962.37	-529.88	2,032.36	0.00	0.00	0.00
6,018.37	21.95	344.89	5,632.00	1,969.00	-531.66	2,039.22	0.00	0.00	0.00
WASATCH_G.NPC									
6,100.00	21.95	344.89	5,707.72	1,998.45	-539.62	2,069.73	0.00	0.00	0.00
6,200.00	21.95	344.89	5,800.47	2,034.53	-549.36	2,107.09	0.00	0.00	0.00
6,300.00	21.95	344.89	5,893.23	2,070.61	-559.10	2,144.46	0.00	0.00	0.00
6,400.00	21.95	344.89	5,985.98	2,106.69	-568.85	2,181.83	0.00	0.00	0.00
6,500.00	21.95	344.89	6,078.73	2,142.77	-578.59	2,219.20	0.00	0.00	0.00
6,600.00	21.95	344.89	6,171.49	2,178.85	-588.33	2,256.56	0.00	0.00	0.00
6,695.43	21.95	344.89	6,260.00	2,213.29	-597.63	2,292.22	0.00	0.00	0.00
FORT_UNION.NPC									
6,700.00	21.95	344.89	6,264.24	2,214.94	-598.07	2,293.93	0.00	0.00	0.00
6,800.00	21.95	344.89	6,356.99	2,251.02	-607.82	2,331.30	0.00	0.00	0.00
6,900.00	21.95	344.89	6,449.75	2,287.10	-617.56	2,368.67	0.00	0.00	0.00
7,000.00	21.95	344.89	6,542.50	2,323.18	-627.30	2,406.04	0.00	0.00	0.00
7,100.00	21.95	344.89	6,635.25	2,359.26	-637.04	2,443.40	0.00	0.00	0.00
7,200.00	21.95	344.89	6,728.01	2,395.34	-646.79	2,480.77	0.00	0.00	0.00
7,300.00	21.95	344.89	6,820.76	2,431.42	-656.53	2,518.14	0.00	0.00	0.00
7,400.00	21.95	344.89	6,913.52	2,467.50	-666.27	2,555.51	0.00	0.00	0.00
7,500.00	21.95	344.89	7,006.27	2,503.58	-676.01	2,592.88	0.00	0.00	0.00
7,600.00	21.95	344.89	7,099.02	2,539.67	-685.76	2,630.24	0.00	0.00	0.00
7,700.00	21.95	344.89	7,191.78	2,575.75	-695.50	2,667.61	0.00	0.00	0.00
7,800.00	21.95	344.89	7,284.53	2,611.83	-705.24	2,704.98	0.00	0.00	0.00
7,900.00	21.95	344.89	7,377.28	2,647.91	-714.98	2,742.35	0.00	0.00	0.00
8,000.00	21.95	344.89	7,470.04	2,683.99	-724.73	2,779.72	0.00	0.00	0.00
8,100.00	21.95	344.89	7,562.79	2,720.07	-734.47	2,817.08	0.00	0.00	0.00
8,200.00	21.95	344.89	7,655.54	2,756.15	-744.21	2,854.45	0.00	0.00	0.00
8,300.00	21.95	344.89	7,748.30	2,792.23	-753.95	2,891.82	0.00	0.00	0.00
8,400.00	21.95	344.89	7,841.05	2,828.31	-763.70	2,929.19	0.00	0.00	0.00
8,498.29	21.95	344.89	7,932.22	2,863.78	-773.27	2,965.92	0.00	0.00	0.00
Begin 3.00° Drop									
8,500.00	21.89	344.89	7,933.81	2,864.39	-773.44	2,966.55	2.99	-2.99	0.00
8,600.00	18.89	344.89	8,027.53	2,898.03	-782.52	3,001.39	3.00	-3.00	0.00
8,700.00	15.89	344.89	8,122.94	2,926.89	-790.31	3,031.28	3.00	-3.00	0.00
8,754.95	14.25	344.89	8,176.00	2,940.69	-794.04	3,045.57	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,800.00	12.89	344.89	8,219.79	2,950.89	-796.79	3,056.14	3.00	-3.00	0.00
8,900.00	9.89	344.89	8,317.81	2,969.96	-801.94	3,075.89	3.00	-3.00	0.00
9,000.00	6.89	344.89	8,416.73	2,984.06	-805.75	3,090.48	3.00	-3.00	0.00
9,100.00	3.89	344.89	8,516.27	2,993.13	-808.20	3,099.88	3.00	-3.00	0.00
9,140.80	2.67	344.89	8,557.00	2,995.39	-808.81	3,102.22	3.00	-3.00	0.00
WILLIAMS_FORK.NPC									
9,190.83	1.17	344.89	8,607.00	2,997.01	-809.25	3,103.90	3.00	-3.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 11B-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 J14 496	North Reference:	True
Well:	ELU J14 FED 11B-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)
TOP_GAS.NPC									
9,200.00	0.89	344.89	8,616.17	2,997.17	-809.29	3,104.06	3.00	-3.00	0.00
9,229.83	0.00	0.00	8,646.00	2,997.39	-809.35	3,104.29	3.00	-3.00	0.00
Begin 3.00° Build & Turn									
9,272.84	0.86	240.02	8,689.01	2,997.23	-809.63	3,104.22	2.00	2.00	0.00
Hold 0.86 Inc at 240.00 Azm									
9,300.00	0.86	240.02	8,716.17	2,997.02	-809.98	3,104.12	0.00	0.00	0.00
9,400.00	0.86	240.02	8,816.16	2,996.27	-811.28	3,103.76	0.00	0.00	0.00
9,500.00	0.86	240.02	8,916.14	2,995.52	-812.58	3,103.40	0.00	0.00	0.00
9,600.00	0.86	240.02	9,016.13	2,994.77	-813.88	3,103.04	0.00	0.00	0.00
9,700.00	0.86	240.02	9,116.12	2,994.02	-815.19	3,102.68	0.00	0.00	0.00
9,800.00	0.86	240.02	9,216.11	2,993.27	-816.49	3,102.31	0.00	0.00	0.00
9,900.00	0.86	240.02	9,316.10	2,992.52	-817.79	3,101.95	0.00	0.00	0.00
10,000.00	0.86	240.02	9,416.09	2,991.77	-819.09	3,101.59	0.00	0.00	0.00
10,100.00	0.86	240.02	9,516.08	2,991.02	-820.39	3,101.23	0.00	0.00	0.00
10,200.00	0.86	240.02	9,616.07	2,990.27	-821.69	3,100.87	0.00	0.00	0.00
10,300.00	0.86	240.02	9,716.05	2,989.52	-822.99	3,100.51	0.00	0.00	0.00
10,400.00	0.86	240.02	9,816.04	2,988.77	-824.29	3,100.15	0.00	0.00	0.00
10,500.00	0.86	240.02	9,916.03	2,988.02	-825.59	3,099.79	0.00	0.00	0.00
10,600.00	0.86	240.02	10,016.02	2,987.27	-826.89	3,099.43	0.00	0.00	0.00
10,700.00	0.86	240.02	10,116.01	2,986.52	-828.19	3,099.07	0.00	0.00	0.00
10,800.00	0.86	240.02	10,216.00	2,985.77	-829.49	3,098.71	0.00	0.00	0.00
10,900.00	0.86	240.02	10,315.99	2,985.02	-830.79	3,098.35	0.00	0.00	0.00
11,000.00	0.86	240.02	10,415.98	2,984.27	-832.09	3,097.99	0.00	0.00	0.00
11,100.00	0.86	240.02	10,515.96	2,983.52	-833.39	3,097.63	0.00	0.00	0.00
11,200.00	0.86	240.02	10,615.95	2,982.77	-834.69	3,097.27	0.00	0.00	0.00
11,300.00	0.86	240.02	10,715.94	2,982.02	-835.99	3,096.90	0.00	0.00	0.00
11,400.00	0.86	240.02	10,815.93	2,981.27	-837.29	3,096.54	0.00	0.00	0.00
11,500.00	0.86	240.02	10,915.92	2,980.52	-838.60	3,096.18	0.00	0.00	0.00
11,600.00	0.86	240.02	11,015.91	2,979.77	-839.90	3,095.82	0.00	0.00	0.00
11,655.10	0.86	240.02	11,071.00	2,979.36	-840.61	3,095.62	0.00	0.00	0.00
CAMEO.NPC									
11,700.00	0.86	240.02	11,115.90	2,979.02	-841.20	3,095.46	0.00	0.00	0.00
11,800.00	0.86	240.02	11,215.89	2,978.27	-842.50	3,095.10	0.00	0.00	0.00
11,900.00	0.86	240.02	11,315.87	2,977.52	-843.80	3,094.74	0.00	0.00	0.00
12,000.00	0.86	240.02	11,415.86	2,976.77	-845.10	3,094.38	0.00	0.00	0.00
12,100.00	0.86	240.02	11,515.85	2,976.02	-846.40	3,094.02	0.00	0.00	0.00
12,200.00	0.86	240.02	11,615.84	2,975.27	-847.70	3,093.66	0.00	0.00	0.00
12,300.00	0.86	240.02	11,715.83	2,974.52	-849.00	3,093.30	0.00	0.00	0.00
12,400.00	0.86	240.02	11,815.82	2,973.77	-850.30	3,092.94	0.00	0.00	0.00
12,500.00	0.86	240.02	11,915.81	2,973.02	-851.60	3,092.58	0.00	0.00	0.00
12,600.00	0.86	240.02	12,015.80	2,972.27	-852.90	3,092.22	0.00	0.00	0.00
12,652.21	0.86	240.02	12,068.00	2,971.87	-853.58	3,092.03	0.00	0.00	0.00
ROLLINS.NPC									
12,700.00	0.86	240.02	12,115.78	2,971.52	-854.20	3,091.85	0.00	0.00	0.00
12,800.00	0.86	240.02	12,215.77	2,970.77	-855.50	3,091.49	0.00	0.00	0.00
12,852.23	0.86	240.02	12,268.00	2,970.37	-856.18	3,091.31	0.00	0.00	0.00
TD at 12852.23									

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 11B-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 J14 496	North Reference:	True
Well:	ELU J14 FED 11B-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
BHL - ELU J14 11B-14 - plan hits target center - Ellipse (radii L75.00 W50.00 on 240.00 azi)	0.00	0.00	12,268.00	2,970.37	-856.18	14,432,965.80	2,444,968.50	39.709123	-108.139520

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,430.87	3,232.00	WASATCH.NPC				
6,018.37	5,632.00	WASATCH_G.NPC				
6,695.43	6,260.00	FORT_UNION.NPC				
8,754.95	8,176.00	OHIO_CREEK.NPC				
9,140.80	8,557.00	WILLIAMS_FORK.NPC				
9,190.83	8,607.00	TOP_GAS.NPC				
11,655.10	11,071.00	CAMEO.NPC				
12,652.21	12,068.00	ROLLINS.NPC		0.00		
12,852.23	12,268.00	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
931.53	913.77	133.61	-36.08	Hold 21.95 Inc at 344.89 Azm
8,498.29	7,932.22	2,863.78	-773.27	Begin 3.00° Drop
9,229.83	8,646.00	2,997.39	-809.35	Begin 3.00° Build & Turn
9,272.84	8,689.01	2,997.23	-809.63	Hold 0.86 Inc at 240.00 Azm
12,852.23	12,268.00	2,970.37	-856.18	TD at 12852.23