



Caerus Oil & Gas

Rio Blanco County, CO (UTM 12N)

SEC 14-T4S-R96W ELU J14 496

ELU J14 FED 12B-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	VSect	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	300.00	3.00	335.00	299.95	2.37	-1.11	3.00	335.00	2.62	
4	721.82	15.65	334.99	715.35	64.20	-29.95	3.00	-0.01	70.82	
5	8219.23	15.65	334.99	7934.65	1897.58	-885.29	0.00	0.00	2093.06	
6	8741.05	0.00	0.00	8450.00	1961.78	-915.24	3.00	180.00	2163.88	
7	8789.01	0.96	240.01	8497.96	1961.58	-915.59	2.00	240.01	2163.85	
8	12496.57	0.96	240.01	12205.00	1930.56	-969.34	0.00	0.00	2160.25	BHL - ELU J14 12B-14 496

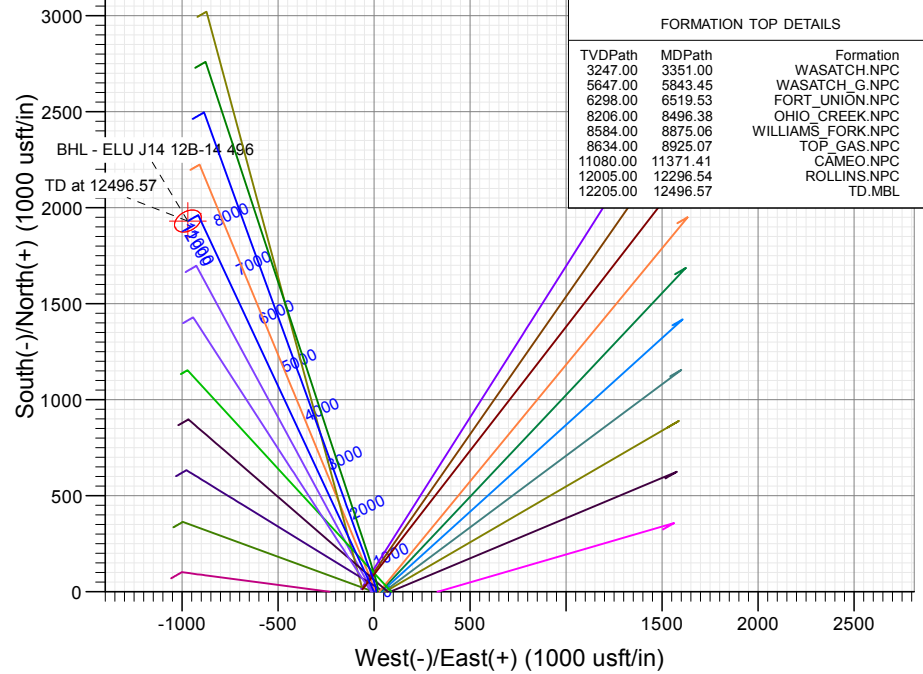
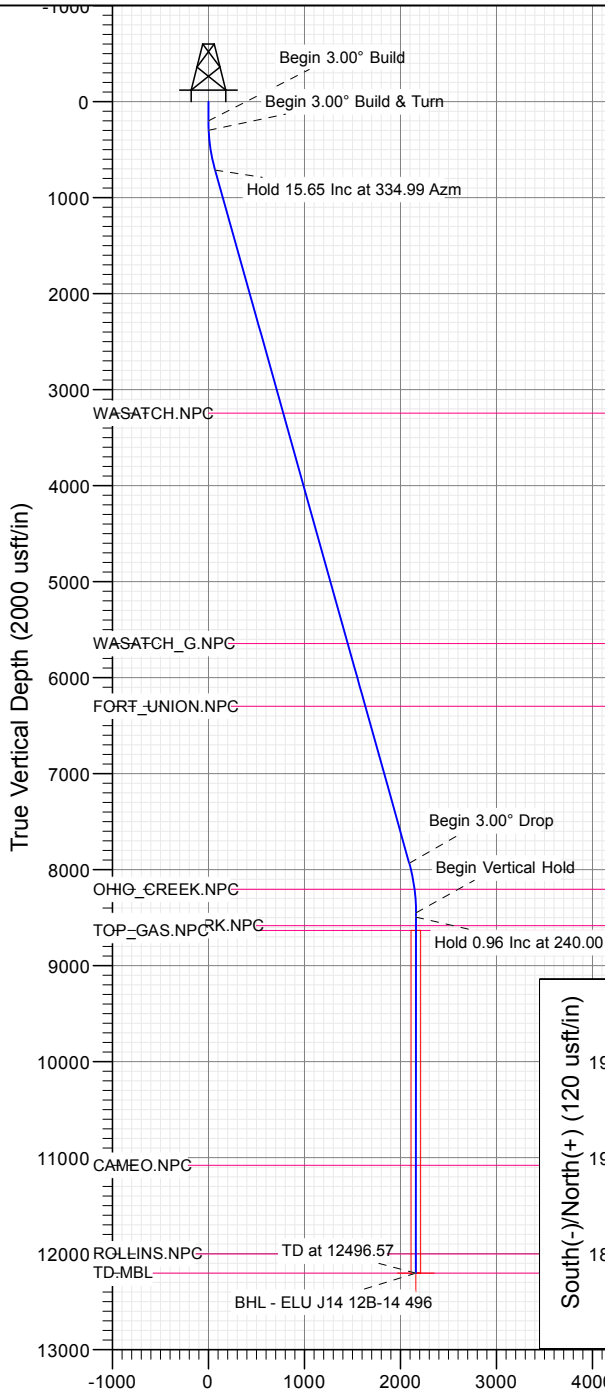
Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU J14 496
Well: ELU J14 FED 12B-14 496
Wellbore: OH
Design: Plan 1

Plan 1
ELU J14 FED 12B-14 496
RKB @ 7932.00usft
Ground Level @ 7902.00
NAD 1927 - Western US
Well ELU J14 FED 12B-14 496, True North

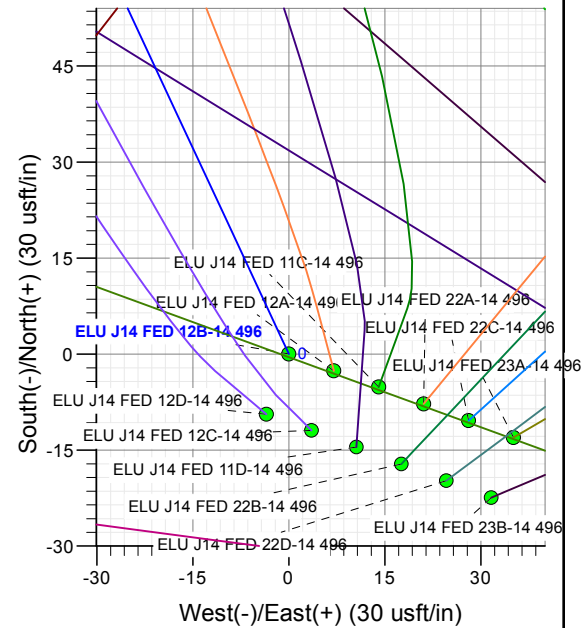
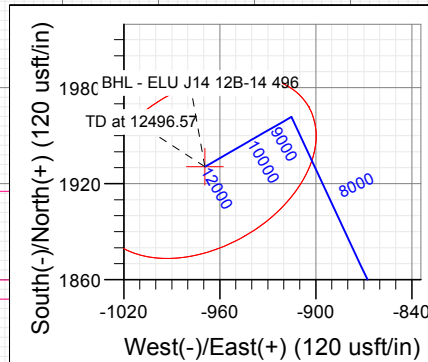
Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 12B-14 496	TD			333.34	Slot		0.00	0.00	0.00	
				TVD			+N/-S	+E/-W	Latitude	Longitude
				12205.00			1930.56	-969.34	39.706204	-108.139697

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3247.00	3351.00	WASATCH.NPC
5647.00	5843.45	WASATCH_G.NPC
6298.00	6519.53	FORT_UNION.NPC
8206.00	8496.38	OHIO_CREEK.NPC
8584.00	8875.06	WILLIAMS_FORK.NPC
8634.00	8925.07	TOP_GAS.NPC
11080.00	11371.41	CAMEO.NPC
12005.00	12296.54	ROLLINS.NPC
12205.00	12496.57	TD.MBL



Azimuths to True North
Magnetic North: 9.48°
Magnetic Field
Strength: 51241.3nT
Dip Angle: 65.82°
Date: 10/30/2019
Model: HDGM_FILE



Vertical Section at 333.34° (2000 usft/in)

WELL DETAILS: ELU J14 FED 12B-14 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14430002.79	2445983.11	39.700906	-108.136253



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 12B-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 12B-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 12B-14 496					
Well Position	+N/-S	-23.55 usft	Northing:	14,430,002.79 usft	Latitude:	39.700906
	+E/-W	63.29 usft	Easting:	2,445,983.12 usft	Longitude:	-108.136254
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	333.34	

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	
300.00	3.00	335.00	299.95	2.37	-1.11	3.00	3.00	0.00	335.00	
721.82	15.65	334.99	715.35	64.20	-29.95	3.00	3.00	0.00	-0.01	
8,219.23	15.65	334.99	7,934.65	1,897.58	-885.29	0.00	0.00	0.00	0.00	
8,741.05	0.00	0.00	8,450.00	1,961.78	-915.24	3.00	-3.00	0.00	180.00	
8,789.01	0.96	240.01	8,497.96	1,961.58	-915.59	2.00	2.00	-250.19	240.01	
12,496.57	0.96	240.01	12,205.00	1,930.56	-969.34	0.00	0.00	0.00	0.00	BHL - ELU J14 12B

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 12B-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 12B-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	335.00	299.95	2.37	-1.11	2.62	3.00	3.00	0.00
Begin 3.00° Build & Turn									
400.00	6.00	334.99	399.63	9.48	-4.42	10.46	3.00	3.00	-0.01
500.00	9.00	334.99	498.77	21.31	-9.94	23.50	3.00	3.00	0.00
600.00	12.00	334.99	597.08	37.82	-17.64	41.72	3.00	3.00	0.00
700.00	15.00	334.99	694.31	58.98	-27.51	65.05	3.00	3.00	0.00
721.82	15.65	334.99	715.35	64.20	-29.95	70.82	3.00	3.00	0.00
Hold 15.65 Inc at 334.99 Azm									
800.00	15.65	334.99	790.63	83.32	-38.87	91.90	0.00	0.00	0.00
900.00	15.65	334.99	886.92	107.77	-50.28	118.87	0.00	0.00	0.00
1,000.00	15.65	334.99	983.21	132.23	-61.69	145.85	0.00	0.00	0.00
1,100.00	15.65	334.99	1,079.50	156.68	-73.09	172.82	0.00	0.00	0.00
1,200.00	15.65	334.99	1,175.79	181.13	-84.50	199.79	0.00	0.00	0.00
1,300.00	15.65	334.99	1,272.08	205.59	-95.91	226.77	0.00	0.00	0.00
1,400.00	15.65	334.99	1,368.38	230.04	-107.32	253.74	0.00	0.00	0.00
1,500.00	15.65	334.99	1,464.67	254.49	-118.73	280.71	0.00	0.00	0.00
1,600.00	15.65	334.99	1,560.96	278.95	-130.14	307.68	0.00	0.00	0.00
1,700.00	15.65	334.99	1,657.25	303.40	-141.55	334.66	0.00	0.00	0.00
1,800.00	15.65	334.99	1,753.54	327.85	-152.95	361.63	0.00	0.00	0.00
1,900.00	15.65	334.99	1,849.83	352.31	-164.36	388.60	0.00	0.00	0.00
2,000.00	15.65	334.99	1,946.12	376.76	-175.77	415.57	0.00	0.00	0.00
2,100.00	15.65	334.99	2,042.41	401.22	-187.18	442.55	0.00	0.00	0.00
2,200.00	15.65	334.99	2,138.70	425.67	-198.59	469.52	0.00	0.00	0.00
2,300.00	15.65	334.99	2,234.99	450.12	-210.00	496.49	0.00	0.00	0.00
2,400.00	15.65	334.99	2,331.28	474.58	-221.40	523.46	0.00	0.00	0.00
2,500.00	15.65	334.99	2,427.57	499.03	-232.81	550.44	0.00	0.00	0.00
2,600.00	15.65	334.99	2,523.86	523.48	-244.22	577.41	0.00	0.00	0.00
2,700.00	15.65	334.99	2,620.15	547.94	-255.63	604.38	0.00	0.00	0.00
2,800.00	15.65	334.99	2,716.44	572.39	-267.04	631.35	0.00	0.00	0.00
2,900.00	15.65	334.99	2,812.73	596.84	-278.45	658.33	0.00	0.00	0.00
3,000.00	15.65	334.99	2,909.02	621.30	-289.85	685.30	0.00	0.00	0.00
3,100.00	15.65	334.99	3,005.32	645.75	-301.26	712.27	0.00	0.00	0.00
3,200.00	15.65	334.99	3,101.61	670.20	-312.67	739.24	0.00	0.00	0.00
3,300.00	15.65	334.99	3,197.90	694.66	-324.08	766.22	0.00	0.00	0.00
3,351.00	15.65	334.99	3,247.00	707.13	-329.90	779.97	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	15.65	334.99	3,294.19	719.11	-335.49	793.19	0.00	0.00	0.00
3,500.00	15.65	334.99	3,390.48	743.56	-346.90	820.16	0.00	0.00	0.00
3,600.00	15.65	334.99	3,486.77	768.02	-358.31	847.13	0.00	0.00	0.00
3,700.00	15.65	334.99	3,583.06	792.47	-369.71	874.11	0.00	0.00	0.00
3,800.00	15.65	334.99	3,679.35	816.92	-381.12	901.08	0.00	0.00	0.00
3,900.00	15.65	334.99	3,775.64	841.38	-392.53	928.05	0.00	0.00	0.00
4,000.00	15.65	334.99	3,871.93	865.83	-403.94	955.03	0.00	0.00	0.00
4,100.00	15.65	334.99	3,968.22	890.28	-415.35	982.00	0.00	0.00	0.00
4,200.00	15.65	334.99	4,064.51	914.74	-426.76	1,008.97	0.00	0.00	0.00
4,300.00	15.65	334.99	4,160.80	939.19	-438.16	1,035.94	0.00	0.00	0.00
4,400.00	15.65	334.99	4,257.09	963.65	-449.57	1,062.92	0.00	0.00	0.00
4,500.00	15.65	334.99	4,353.38	988.10	-460.98	1,089.89	0.00	0.00	0.00
4,600.00	15.65	334.99	4,449.67	1,012.55	-472.39	1,116.86	0.00	0.00	0.00
4,700.00	15.65	334.99	4,545.96	1,037.01	-483.80	1,143.83	0.00	0.00	0.00
4,800.00	15.65	334.99	4,642.25	1,061.46	-495.21	1,170.81	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 12B-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 12B-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	15.65	334.99	4,738.55	1,085.91	-506.62	1,197.78	0.00	0.00	0.00
5,000.00	15.65	334.99	4,834.84	1,110.37	-518.02	1,224.75	0.00	0.00	0.00
5,100.00	15.65	334.99	4,931.13	1,134.82	-529.43	1,251.72	0.00	0.00	0.00
5,200.00	15.65	334.99	5,027.42	1,159.27	-540.84	1,278.70	0.00	0.00	0.00
5,300.00	15.65	334.99	5,123.71	1,183.73	-552.25	1,305.67	0.00	0.00	0.00
5,400.00	15.65	334.99	5,220.00	1,208.18	-563.66	1,332.64	0.00	0.00	0.00
5,500.00	15.65	334.99	5,316.29	1,232.63	-575.07	1,359.61	0.00	0.00	0.00
5,600.00	15.65	334.99	5,412.58	1,257.09	-586.47	1,386.59	0.00	0.00	0.00
5,700.00	15.65	334.99	5,508.87	1,281.54	-597.88	1,413.56	0.00	0.00	0.00
5,800.00	15.65	334.99	5,605.16	1,305.99	-609.29	1,440.53	0.00	0.00	0.00
5,843.45	15.65	334.99	5,647.00	1,316.62	-614.25	1,452.25	0.00	0.00	0.00
WASATCH_G.NPC									
5,900.00	15.65	334.99	5,701.45	1,330.45	-620.70	1,467.50	0.00	0.00	0.00
6,000.00	15.65	334.99	5,797.74	1,354.90	-632.11	1,494.48	0.00	0.00	0.00
6,100.00	15.65	334.99	5,894.03	1,379.35	-643.52	1,521.45	0.00	0.00	0.00
6,200.00	15.65	334.99	5,990.32	1,403.81	-654.93	1,548.42	0.00	0.00	0.00
6,300.00	15.65	334.99	6,086.61	1,428.26	-666.33	1,575.39	0.00	0.00	0.00
6,400.00	15.65	334.99	6,182.90	1,452.71	-677.74	1,602.37	0.00	0.00	0.00
6,500.00	15.65	334.99	6,279.19	1,477.17	-689.15	1,629.34	0.00	0.00	0.00
6,519.53	15.65	334.99	6,298.00	1,481.94	-691.38	1,634.61	0.00	0.00	0.00
FORT_UNION.NPC									
6,600.00	15.65	334.99	6,375.49	1,501.62	-700.56	1,656.31	0.00	0.00	0.00
6,700.00	15.65	334.99	6,471.78	1,526.07	-711.97	1,683.29	0.00	0.00	0.00
6,800.00	15.65	334.99	6,568.07	1,550.53	-723.38	1,710.26	0.00	0.00	0.00
6,900.00	15.65	334.99	6,664.36	1,574.98	-734.78	1,737.23	0.00	0.00	0.00
7,000.00	15.65	334.99	6,760.65	1,599.44	-746.19	1,764.20	0.00	0.00	0.00
7,100.00	15.65	334.99	6,856.94	1,623.89	-757.60	1,791.18	0.00	0.00	0.00
7,200.00	15.65	334.99	6,953.23	1,648.34	-769.01	1,818.15	0.00	0.00	0.00
7,300.00	15.65	334.99	7,049.52	1,672.80	-780.42	1,845.12	0.00	0.00	0.00
7,400.00	15.65	334.99	7,145.81	1,697.25	-791.83	1,872.09	0.00	0.00	0.00
7,500.00	15.65	334.99	7,242.10	1,721.70	-803.24	1,899.07	0.00	0.00	0.00
7,600.00	15.65	334.99	7,338.39	1,746.16	-814.64	1,926.04	0.00	0.00	0.00
7,700.00	15.65	334.99	7,434.68	1,770.61	-826.05	1,953.01	0.00	0.00	0.00
7,800.00	15.65	334.99	7,530.97	1,795.06	-837.46	1,979.98	0.00	0.00	0.00
7,900.00	15.65	334.99	7,627.26	1,819.52	-848.87	2,006.96	0.00	0.00	0.00
8,000.00	15.65	334.99	7,723.55	1,843.97	-860.28	2,033.93	0.00	0.00	0.00
8,100.00	15.65	334.99	7,819.84	1,868.42	-871.69	2,060.90	0.00	0.00	0.00
8,200.00	15.65	334.99	7,916.13	1,892.88	-883.09	2,087.87	0.00	0.00	0.00
8,219.23	15.65	334.99	7,934.65	1,897.58	-885.29	2,093.06	0.00	0.00	0.00
Begin 3.00° Drop									
8,300.00	13.23	334.99	8,012.86	1,915.83	-893.80	2,113.20	3.00	-3.00	0.00
8,400.00	10.23	334.99	8,110.76	1,934.26	-902.40	2,133.52	3.00	-3.00	0.00
8,496.38	7.34	334.99	8,206.00	1,947.60	-908.62	2,148.23	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,500.00	7.23	334.99	8,209.59	1,948.01	-908.82	2,148.69	3.00	-3.00	0.00
8,600.00	4.23	334.99	8,309.08	1,957.06	-913.04	2,158.67	3.00	-3.00	0.00
8,700.00	1.23	334.99	8,408.96	1,961.38	-915.05	2,163.43	3.00	-3.00	0.00
8,741.05	0.00	0.00	8,450.00	1,961.78	-915.24	2,163.88	3.00	-3.00	0.00
Begin Vertical Hold									
8,789.00	0.96	240.01	8,497.95	1,961.58	-915.59	2,163.85	2.00	2.00	0.00
Hold 0.96 Inc at 240.00 Azm									
8,789.01	0.96	240.01	8,497.96	1,961.58	-915.59	2,163.85	2.00	2.00	0.00
8,800.00	0.96	240.01	8,508.95	1,961.49	-915.75	2,163.84	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 12B-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 12B-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)
8,875.06	0.96	240.01	8,584.00	1,960.86	-916.84	2,163.77	0.00	0.00	0.00
WILLIAMS_FORK.NPC									
8,900.00	0.96	240.01	8,608.94	1,960.65	-917.20	2,163.74	0.00	0.00	0.00
8,925.07	0.96	240.01	8,634.00	1,960.44	-917.56	2,163.72	0.00	0.00	0.00
TOP_GAS.NPC									
9,000.00	0.96	240.01	8,708.92	1,959.81	-918.65	2,163.65	0.00	0.00	0.00
9,100.00	0.96	240.01	8,808.91	1,958.98	-920.10	2,163.55	0.00	0.00	0.00
9,200.00	0.96	240.01	8,908.89	1,958.14	-921.55	2,163.45	0.00	0.00	0.00
9,300.00	0.96	240.01	9,008.88	1,957.30	-923.00	2,163.36	0.00	0.00	0.00
9,400.00	0.96	240.01	9,108.87	1,956.47	-924.45	2,163.26	0.00	0.00	0.00
9,500.00	0.96	240.01	9,208.85	1,955.63	-925.90	2,163.16	0.00	0.00	0.00
9,600.00	0.96	240.01	9,308.84	1,954.79	-927.35	2,163.06	0.00	0.00	0.00
9,700.00	0.96	240.01	9,408.82	1,953.96	-928.80	2,162.97	0.00	0.00	0.00
9,800.00	0.96	240.01	9,508.81	1,953.12	-930.25	2,162.87	0.00	0.00	0.00
9,900.00	0.96	240.01	9,608.80	1,952.28	-931.70	2,162.77	0.00	0.00	0.00
10,000.00	0.96	240.01	9,708.78	1,951.45	-933.15	2,162.68	0.00	0.00	0.00
10,100.00	0.96	240.01	9,808.77	1,950.61	-934.60	2,162.58	0.00	0.00	0.00
10,200.00	0.96	240.01	9,908.75	1,949.77	-936.05	2,162.48	0.00	0.00	0.00
10,300.00	0.96	240.01	10,008.74	1,948.94	-937.50	2,162.39	0.00	0.00	0.00
10,400.00	0.96	240.01	10,108.73	1,948.10	-938.95	2,162.29	0.00	0.00	0.00
10,500.00	0.96	240.01	10,208.71	1,947.26	-940.40	2,162.19	0.00	0.00	0.00
10,600.00	0.96	240.01	10,308.70	1,946.43	-941.85	2,162.09	0.00	0.00	0.00
10,700.00	0.96	240.01	10,408.68	1,945.59	-943.30	2,162.00	0.00	0.00	0.00
10,800.00	0.96	240.01	10,508.67	1,944.75	-944.75	2,161.90	0.00	0.00	0.00
10,900.00	0.96	240.01	10,608.66	1,943.92	-946.20	2,161.80	0.00	0.00	0.00
11,000.00	0.96	240.01	10,708.64	1,943.08	-947.64	2,161.71	0.00	0.00	0.00
11,100.00	0.96	240.01	10,808.63	1,942.24	-949.09	2,161.61	0.00	0.00	0.00
11,200.00	0.96	240.01	10,908.61	1,941.41	-950.54	2,161.51	0.00	0.00	0.00
11,300.00	0.96	240.01	11,008.60	1,940.57	-951.99	2,161.41	0.00	0.00	0.00
11,371.41	0.96	240.01	11,080.00	1,939.97	-953.03	2,161.34	0.00	0.00	0.00
CAMEO.NPC									
11,400.00	0.96	240.01	11,108.59	1,939.73	-953.44	2,161.32	0.00	0.00	0.00
11,500.00	0.96	240.01	11,208.57	1,938.90	-954.89	2,161.22	0.00	0.00	0.00
11,600.00	0.96	240.01	11,308.56	1,938.06	-956.34	2,161.12	0.00	0.00	0.00
11,700.00	0.96	240.01	11,408.54	1,937.22	-957.79	2,161.03	0.00	0.00	0.00
11,800.00	0.96	240.01	11,508.53	1,936.39	-959.24	2,160.93	0.00	0.00	0.00
11,900.00	0.96	240.01	11,608.52	1,935.55	-960.69	2,160.83	0.00	0.00	0.00
12,000.00	0.96	240.01	11,708.50	1,934.71	-962.14	2,160.73	0.00	0.00	0.00
12,100.00	0.96	240.01	11,808.49	1,933.88	-963.59	2,160.64	0.00	0.00	0.00
12,200.00	0.96	240.01	11,908.47	1,933.04	-965.04	2,160.54	0.00	0.00	0.00
12,296.54	0.96	240.01	12,005.00	1,932.23	-966.44	2,160.45	0.00	0.00	0.00
ROLLINS.NPC									
12,300.00	0.96	240.01	12,008.46	1,932.20	-966.49	2,160.44	0.00	0.00	0.00
12,400.00	0.96	240.01	12,108.44	1,931.37	-967.94	2,160.35	0.00	0.00	0.00
12,496.57	0.96	240.01	12,205.00	1,930.56	-969.34	2,160.25	0.00	0.00	0.00
TD at 12496.57									

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 12B-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 12B-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 12B-14 - plan hits target center - Ellipse (radii L75.00 W50.00 on 240.00 azi)	0.00	0.00	12,205.00	1,930.56	-969.34	14,431,901.40	2,444,952.60	39.706205	-108.139698

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
3,351.00	3,247.00	WASATCH.NPC				
5,843.45	5,647.00	WASATCH_G.NPC				
6,519.53	6,298.00	FORT_UNION.NPC				
8,496.38	8,206.00	OHIO_CREEK.NPC				
8,875.06	8,584.00	WILLIAMS_FORK.NPC				
8,925.07	8,634.00	TOP_GAS.NPC				
11,371.41	11,080.00	CAMEO.NPC				
12,296.54	12,005.00	ROLLINS.NPC		0.00		
12,496.57	12,205.00	TD.MBL		0.00		

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Begin 3.00° Build
300.00	299.95	2.37	-1.11	Begin 3.00° Build & Turn
721.82	715.35	64.20	-29.95	Hold 15.65 Inc at 334.99 Azm
8,219.23	7,934.65	1,897.58	-885.29	Begin 3.00° Drop
8,741.05	8,450.00	1,961.78	-915.24	Begin Vertical Hold
8,789.00	8,497.95	1,961.58	-915.59	Hold 0.96 Inc at 240.00 Azm
12,496.57	12,205.00	1,930.56	-969.34	TD at 12496.57