



Caerus Oil & Gas

**Rio Blanco County, CO (UTM 12N)
SEC 14-T4S-R96W ELU FED J14 496
ELU J14 FED 15B-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	260.00	0.00	0.00	260.00	0.00	0.00	0.00	0.00	0.00	
3	666.02	12.18	224.78	662.97	-30.52	-30.29	3.00	224.78	42.99	
4	8271.30	12.18	224.78	8097.03	-1169.48	-1160.63	0.00	0.00	1647.60	
5	8677.32	0.00	0.00	8500.00	-1200.00	-1190.92	3.00	180.00	1690.60	
6	8719.70	0.85	240.02	8542.39	-1200.16	-1191.19	2.00	240.02	1690.90	
7	12192.70	0.85	240.02	12015.00	-1225.84	-1235.70	0.00	0.00	1740.58	BHL - ELU J14 15B-14 496

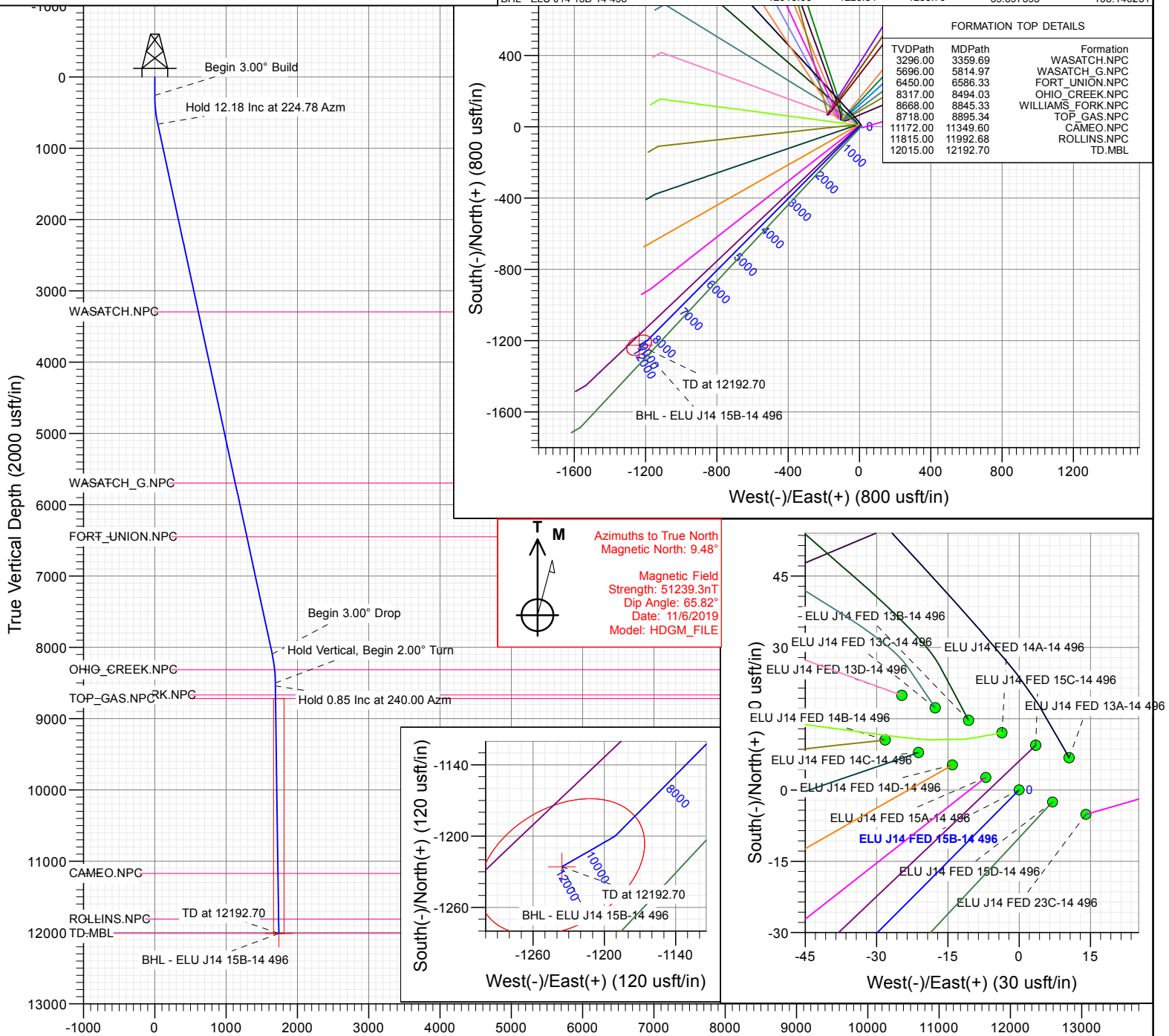
Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU FED J14 496
Well: ELU J14 FED 15B-14 496
Wellbore: OH
Design: Plan 1

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

Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 15B-14 496	TD			225.23	Slot		0.00	0.00	0.00	
				TVD			+N/-S	+E/-W	Latitude	Longitude
				12015.00			-1225.84	-1235.70	39.697395	-108.140231

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3296.00	3359.69	WASATCH.NPC
5696.00	5814.97	WASATCH_G.NPC
6450.00	6586.33	FORT_UNION.NPC
8317.00	8494.03	OHIO_CREEK.NPC
8668.00	8845.33	WILLIAMS_FORK.NPC
8718.00	8895.34	TOP_GAS.NPC
11172.00	11349.60	CAMEO.NPC
11815.00	11992.88	ROLLINS.NPC
12015.00	12192.70	TD.MBL



+N/-S 0.00 +E/-W 0.00 Northing 14429952.79 Easting 2446100.81 Latitude 39.700759 Longitude -108.135841



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15B-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 15B-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 15B-14 496					
Well Position	+N/-S	-77.28 usft	Northing:	14,429,952.79 usft	Latitude:	39.700759
	+E/-W	179.33 usft	Easting:	2,446,100.82 usft	Longitude:	-108.135841
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	225.23	

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	
260.00	0.00	0.00	260.00	0.00	0.00	0.00	0.00	0.00	0.00	
666.02	12.18	224.78	662.97	-30.52	-30.29	3.00	3.00	0.00	224.78	
8,271.30	12.18	224.78	8,097.03	-1,169.48	-1,160.63	0.00	0.00	0.00	0.00	
8,677.32	0.00	0.00	8,500.00	-1,200.00	-1,190.92	3.00	-3.00	0.00	180.00	
8,719.70	0.85	240.02	8,542.39	-1,200.16	-1,191.19	2.00	2.00	-283.06	240.02	
12,192.70	0.85	240.02	12,015.00	-1,225.84	-1,235.70	0.00	0.00	0.00	0.00	BHL - ELU J14 15B

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15B-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 15B-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
260.00	0.00	0.00	260.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin 3.00° Build									
300.00	1.20	224.78	300.00	-0.30	-0.30	0.42	3.00	3.00	0.00
400.00	4.20	224.78	399.87	-3.64	-3.61	5.13	3.00	3.00	0.00
500.00	7.20	224.78	499.37	-10.69	-10.61	15.06	3.00	3.00	0.00
600.00	10.20	224.78	598.21	-21.42	-21.26	30.18	3.00	3.00	0.00
666.02	12.18	224.78	662.97	-30.52	-30.29	42.99	3.00	3.00	0.00
Hold 12.18 Inc at 224.78 Azm									
700.00	12.18	224.78	696.18	-35.61	-35.34	50.16	0.00	0.00	0.00
800.00	12.18	224.78	793.93	-50.58	-50.20	71.26	0.00	0.00	0.00
900.00	12.18	224.78	891.68	-65.56	-65.06	92.36	0.00	0.00	0.00
1,000.00	12.18	224.78	989.43	-80.53	-79.93	113.46	0.00	0.00	0.00
1,100.00	12.18	224.78	1,087.18	-95.51	-94.79	134.56	0.00	0.00	0.00
1,200.00	12.18	224.78	1,184.93	-110.49	-109.65	155.66	0.00	0.00	0.00
1,300.00	12.18	224.78	1,282.68	-125.46	-124.51	176.76	0.00	0.00	0.00
1,400.00	12.18	224.78	1,380.42	-140.44	-139.38	197.85	0.00	0.00	0.00
1,500.00	12.18	224.78	1,478.17	-155.41	-154.24	218.95	0.00	0.00	0.00
1,600.00	12.18	224.78	1,575.92	-170.39	-169.10	240.05	0.00	0.00	0.00
1,700.00	12.18	224.78	1,673.67	-185.37	-183.96	261.15	0.00	0.00	0.00
1,800.00	12.18	224.78	1,771.42	-200.34	-198.83	282.25	0.00	0.00	0.00
1,900.00	12.18	224.78	1,869.17	-215.32	-213.69	303.35	0.00	0.00	0.00
2,000.00	12.18	224.78	1,966.92	-230.29	-228.55	324.45	0.00	0.00	0.00
2,100.00	12.18	224.78	2,064.67	-245.27	-243.41	345.54	0.00	0.00	0.00
2,200.00	12.18	224.78	2,162.42	-260.25	-258.28	366.64	0.00	0.00	0.00
2,300.00	12.18	224.78	2,260.16	-275.22	-273.14	387.74	0.00	0.00	0.00
2,400.00	12.18	224.78	2,357.91	-290.20	-288.00	408.84	0.00	0.00	0.00
2,500.00	12.18	224.78	2,455.66	-305.17	-302.87	429.94	0.00	0.00	0.00
2,600.00	12.18	224.78	2,553.41	-320.15	-317.73	451.04	0.00	0.00	0.00
2,700.00	12.18	224.78	2,651.16	-335.13	-332.59	472.14	0.00	0.00	0.00
2,800.00	12.18	224.78	2,748.91	-350.10	-347.45	493.23	0.00	0.00	0.00
2,900.00	12.18	224.78	2,846.66	-365.08	-362.32	514.33	0.00	0.00	0.00
3,000.00	12.18	224.78	2,944.41	-380.05	-377.18	535.43	0.00	0.00	0.00
3,100.00	12.18	224.78	3,042.15	-395.03	-392.04	556.53	0.00	0.00	0.00
3,200.00	12.18	224.78	3,139.90	-410.01	-406.90	577.63	0.00	0.00	0.00
3,300.00	12.18	224.78	3,237.65	-424.98	-421.77	598.73	0.00	0.00	0.00
3,359.69	12.18	224.78	3,296.00	-433.92	-430.64	611.32	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	12.18	224.78	3,335.40	-439.96	-436.63	619.83	0.00	0.00	0.00
3,500.00	12.18	224.78	3,433.15	-454.93	-451.49	640.92	0.00	0.00	0.00
3,600.00	12.18	224.78	3,530.90	-469.91	-466.35	662.02	0.00	0.00	0.00
3,700.00	12.18	224.78	3,628.65	-484.89	-481.22	683.12	0.00	0.00	0.00
3,800.00	12.18	224.78	3,726.40	-499.86	-496.08	704.22	0.00	0.00	0.00
3,900.00	12.18	224.78	3,824.14	-514.84	-510.94	725.32	0.00	0.00	0.00
4,000.00	12.18	224.78	3,921.89	-529.81	-525.81	746.42	0.00	0.00	0.00
4,100.00	12.18	224.78	4,019.64	-544.79	-540.67	767.52	0.00	0.00	0.00
4,200.00	12.18	224.78	4,117.39	-559.77	-555.53	788.62	0.00	0.00	0.00
4,300.00	12.18	224.78	4,215.14	-574.74	-570.39	809.71	0.00	0.00	0.00
4,400.00	12.18	224.78	4,312.89	-589.72	-585.26	830.81	0.00	0.00	0.00
4,500.00	12.18	224.78	4,410.64	-604.69	-600.12	851.91	0.00	0.00	0.00
4,600.00	12.18	224.78	4,508.39	-619.67	-614.98	873.01	0.00	0.00	0.00
4,700.00	12.18	224.78	4,606.13	-634.65	-629.84	894.11	0.00	0.00	0.00
4,800.00	12.18	224.78	4,703.88	-649.62	-644.71	915.21	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15B-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 15B-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	12.18	224.78	4,801.63	-664.60	-659.57	936.31	0.00	0.00	0.00
5,000.00	12.18	224.78	4,899.38	-679.57	-674.43	957.40	0.00	0.00	0.00
5,100.00	12.18	224.78	4,997.13	-694.55	-689.29	978.50	0.00	0.00	0.00
5,200.00	12.18	224.78	5,094.88	-709.53	-704.16	999.60	0.00	0.00	0.00
5,300.00	12.18	224.78	5,192.63	-724.50	-719.02	1,020.70	0.00	0.00	0.00
5,400.00	12.18	224.78	5,290.38	-739.48	-733.88	1,041.80	0.00	0.00	0.00
5,500.00	12.18	224.78	5,388.12	-754.45	-748.74	1,062.90	0.00	0.00	0.00
5,600.00	12.18	224.78	5,485.87	-769.43	-763.61	1,084.00	0.00	0.00	0.00
5,700.00	12.18	224.78	5,583.62	-784.41	-778.47	1,105.09	0.00	0.00	0.00
5,800.00	12.18	224.78	5,681.37	-799.38	-793.33	1,126.19	0.00	0.00	0.00
5,814.97	12.18	224.78	5,696.00	-801.62	-795.56	1,129.35	0.00	0.00	0.00
WASATCH_G.NPC									
5,900.00	12.18	224.78	5,779.12	-814.36	-808.20	1,147.29	0.00	0.00	0.00
6,000.00	12.18	224.78	5,876.87	-829.33	-823.06	1,168.39	0.00	0.00	0.00
6,100.00	12.18	224.78	5,974.62	-844.31	-837.92	1,189.49	0.00	0.00	0.00
6,200.00	12.18	224.78	6,072.37	-859.29	-852.78	1,210.59	0.00	0.00	0.00
6,300.00	12.18	224.78	6,170.11	-874.26	-867.65	1,231.69	0.00	0.00	0.00
6,400.00	12.18	224.78	6,267.86	-889.24	-882.51	1,252.78	0.00	0.00	0.00
6,500.00	12.18	224.78	6,365.61	-904.21	-897.37	1,273.88	0.00	0.00	0.00
6,586.33	12.18	224.78	6,450.00	-917.14	-910.20	1,292.10	0.00	0.00	0.00
FORT_UNION.NPC									
6,600.00	12.18	224.78	6,463.36	-919.19	-912.23	1,294.98	0.00	0.00	0.00
6,700.00	12.18	224.78	6,561.11	-934.17	-927.10	1,316.08	0.00	0.00	0.00
6,800.00	12.18	224.78	6,658.86	-949.14	-941.96	1,337.18	0.00	0.00	0.00
6,900.00	12.18	224.78	6,756.61	-964.12	-956.82	1,358.28	0.00	0.00	0.00
7,000.00	12.18	224.78	6,854.36	-979.09	-971.68	1,379.38	0.00	0.00	0.00
7,100.00	12.18	224.78	6,952.10	-994.07	-986.55	1,400.47	0.00	0.00	0.00
7,200.00	12.18	224.78	7,049.85	-1,009.05	-1,001.41	1,421.57	0.00	0.00	0.00
7,300.00	12.18	224.78	7,147.60	-1,024.02	-1,016.27	1,442.67	0.00	0.00	0.00
7,400.00	12.18	224.78	7,245.35	-1,039.00	-1,031.14	1,463.77	0.00	0.00	0.00
7,500.00	12.18	224.78	7,343.10	-1,053.97	-1,046.00	1,484.87	0.00	0.00	0.00
7,600.00	12.18	224.78	7,440.85	-1,068.95	-1,060.86	1,505.97	0.00	0.00	0.00
7,700.00	12.18	224.78	7,538.60	-1,083.93	-1,075.72	1,527.07	0.00	0.00	0.00
7,800.00	12.18	224.78	7,636.35	-1,098.90	-1,090.59	1,548.17	0.00	0.00	0.00
7,900.00	12.18	224.78	7,734.10	-1,113.88	-1,105.45	1,569.26	0.00	0.00	0.00
8,000.00	12.18	224.78	7,831.84	-1,128.85	-1,120.31	1,590.36	0.00	0.00	0.00
8,100.00	12.18	224.78	7,929.59	-1,143.83	-1,135.17	1,611.46	0.00	0.00	0.00
8,200.00	12.18	224.78	8,027.34	-1,158.80	-1,150.04	1,632.56	0.00	0.00	0.00
8,271.30	12.18	224.78	8,097.04	-1,169.48	-1,160.63	1,647.60	0.00	0.00	0.00
Begin 3.00° Drop									
8,300.00	11.32	224.78	8,125.13	-1,173.63	-1,164.75	1,653.45	3.00	-3.00	0.00
8,400.00	8.32	224.78	8,223.66	-1,185.73	-1,176.76	1,670.50	3.00	-3.00	0.00
8,494.03	5.50	224.78	8,317.00	-1,193.76	-1,184.73	1,681.81	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,500.00	5.32	224.78	8,322.94	-1,194.16	-1,185.13	1,682.37	3.00	-3.00	0.00
8,600.00	2.32	224.78	8,422.71	-1,198.89	-1,189.82	1,689.03	3.00	-3.00	0.00
8,677.32	0.00	0.00	8,500.00	-1,200.00	-1,190.92	1,690.60	3.00	-3.00	0.00
Hold Vertical, Begin 2.00° Turn									
8,700.00	0.45	240.02	8,522.68	-1,200.04	-1,191.00	1,690.68	2.00	2.00	0.00
8,719.70	0.85	240.02	8,542.38	-1,200.16	-1,191.19	1,690.90	2.00	2.00	0.00
Hold 0.85 Inc at 240.00 Azm									
8,800.00	0.85	240.02	8,622.67	-1,200.75	-1,192.22	1,692.05	0.00	0.00	0.00
8,845.33	0.85	240.02	8,668.00	-1,201.09	-1,192.80	1,692.70	0.00	0.00	0.00



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 15B-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 15B-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									
8,895.34	0.85	240.02	8,718.00	-1,201.46	-1,193.44	1,693.41	0.00	0.00	0.00
TOP_GAS.NPC									
8,900.00	0.85	240.02	8,722.66	-1,201.49	-1,193.50	1,693.48	0.00	0.00	0.00
9,000.00	0.85	240.02	8,822.65	-1,202.23	-1,194.78	1,694.91	0.00	0.00	0.00
9,100.00	0.85	240.02	8,922.64	-1,202.97	-1,196.07	1,696.34	0.00	0.00	0.00
9,200.00	0.85	240.02	9,022.63	-1,203.71	-1,197.35	1,697.77	0.00	0.00	0.00
9,300.00	0.85	240.02	9,122.62	-1,204.45	-1,198.63	1,699.20	0.00	0.00	0.00
9,400.00	0.85	240.02	9,222.61	-1,205.19	-1,199.91	1,700.63	0.00	0.00	0.00
9,500.00	0.85	240.02	9,322.60	-1,205.93	-1,201.19	1,702.06	0.00	0.00	0.00
9,600.00	0.85	240.02	9,422.59	-1,206.67	-1,202.47	1,703.49	0.00	0.00	0.00
9,700.00	0.85	240.02	9,522.58	-1,207.41	-1,203.75	1,704.92	0.00	0.00	0.00
9,800.00	0.85	240.02	9,622.57	-1,208.14	-1,205.04	1,706.35	0.00	0.00	0.00
9,900.00	0.85	240.02	9,722.55	-1,208.88	-1,206.32	1,707.78	0.00	0.00	0.00
10,000.00	0.85	240.02	9,822.54	-1,209.62	-1,207.60	1,709.22	0.00	0.00	0.00
10,100.00	0.85	240.02	9,922.53	-1,210.36	-1,208.88	1,710.65	0.00	0.00	0.00
10,200.00	0.85	240.02	10,022.52	-1,211.10	-1,210.16	1,712.08	0.00	0.00	0.00
10,300.00	0.85	240.02	10,122.51	-1,211.84	-1,211.44	1,713.51	0.00	0.00	0.00
10,400.00	0.85	240.02	10,222.50	-1,212.58	-1,212.73	1,714.94	0.00	0.00	0.00
10,500.00	0.85	240.02	10,322.49	-1,213.32	-1,214.01	1,716.37	0.00	0.00	0.00
10,600.00	0.85	240.02	10,422.48	-1,214.06	-1,215.29	1,717.80	0.00	0.00	0.00
10,700.00	0.85	240.02	10,522.47	-1,214.80	-1,216.57	1,719.23	0.00	0.00	0.00
10,800.00	0.85	240.02	10,622.46	-1,215.54	-1,217.85	1,720.66	0.00	0.00	0.00
10,900.00	0.85	240.02	10,722.44	-1,216.28	-1,219.13	1,722.09	0.00	0.00	0.00
11,000.00	0.85	240.02	10,822.43	-1,217.02	-1,220.41	1,723.52	0.00	0.00	0.00
11,100.00	0.85	240.02	10,922.42	-1,217.76	-1,221.70	1,724.95	0.00	0.00	0.00
11,200.00	0.85	240.02	11,022.41	-1,218.50	-1,222.98	1,726.38	0.00	0.00	0.00
11,300.00	0.85	240.02	11,122.40	-1,219.24	-1,224.26	1,727.81	0.00	0.00	0.00
11,349.60	0.85	240.02	11,172.00	-1,219.60	-1,224.90	1,728.52	0.00	0.00	0.00
CAMEO.NPC									
11,400.00	0.85	240.02	11,222.39	-1,219.98	-1,225.54	1,729.24	0.00	0.00	0.00
11,500.00	0.85	240.02	11,322.38	-1,220.72	-1,226.82	1,730.67	0.00	0.00	0.00
11,600.00	0.85	240.02	11,422.37	-1,221.45	-1,228.10	1,732.10	0.00	0.00	0.00
11,700.00	0.85	240.02	11,522.36	-1,222.19	-1,229.39	1,733.54	0.00	0.00	0.00
11,800.00	0.85	240.02	11,622.35	-1,222.93	-1,230.67	1,734.97	0.00	0.00	0.00
11,900.00	0.85	240.02	11,722.34	-1,223.67	-1,231.95	1,736.40	0.00	0.00	0.00
11,992.68	0.85	240.02	11,815.00	-1,224.36	-1,233.14	1,737.72	0.00	0.00	0.00
ROLLINS.NPC									
12,000.00	0.85	240.02	11,822.32	-1,224.41	-1,233.23	1,737.83	0.00	0.00	0.00
12,100.00	0.85	240.02	11,922.31	-1,225.15	-1,234.51	1,739.26	0.00	0.00	0.00
12,192.70	0.85	240.02	12,015.00	-1,225.84	-1,235.70	1,740.58	0.00	0.00	0.00
TD at 12192.70									

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 15B-1-	0.00	0.00	12,015.00	-1,225.84	-1,235.70	14,428,688.10	2,444,904.90	39.697395	-108.140231
- 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 15B-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 15B-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,359.69	3,296.00	WASATCH.NPC				
5,814.97	5,696.00	WASATCH_G.NPC				
6,586.33	6,450.00	FORT_UNION.NPC				
8,494.03	8,317.00	OHIO_CREEK.NPC				
8,845.33	8,668.00	WILLIAMS_FORK.NPC				
8,895.34	8,718.00	TOP_GAS.NPC				
11,349.60	11,172.00	CAMEO.NPC				
11,992.68	11,815.00	ROLLINS.NPC		0.00		
12,192.70	12,015.00	TD.MBL		0.00		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
260.00	260.00	0.00	0.00	Begin 3.00° Build
666.02	662.97	-30.52	-30.29	Hold 12.18 Inc at 224.78 Azm
8,271.30	8,097.04	-1,169.48	-1,160.63	Begin 3.00° Drop
8,677.32	8,500.00	-1,200.00	-1,190.92	Hold Vertical, Begin 2.00° Turn
8,719.70	8,542.38	-1,200.16	-1,191.19	Hold 0.85 Inc at 240.00 Azm
12,192.70	12,015.00	-1,225.84	-1,235.70	TD at 12192.70