



Caerus Oil & Gas

**Rio Blanco County, CO (UTM 12N)
SEC 14-T4S-R96W ELU FED J14 496
ELU J14 FED 23A-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	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	627.00	12.81	59.84	623.45	23.88	41.10	3.00	59.84	47.53	
4	8300.07	12.81	59.84	8105.55	878.72	1511.99	0.00	0.00	1748.79	
5	8727.07	0.00	0.00	8529.00	902.60	1553.09	3.00	180.00	1796.32	
6	8779.56	1.05	240.02	8581.48	902.36	1552.67	2.00	240.02	1795.84	
7	12432.69	1.05	240.02	12234.00	868.92	1494.71	0.00	0.00	1728.92	BHL - ELU J14 23A-14 496

Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU FED J14 496
Well: ELU J14 FED 23A-14 496
Wellbore: OH
Design: Plan 1

Plan 1
ELU J14 FED 23A-14 496

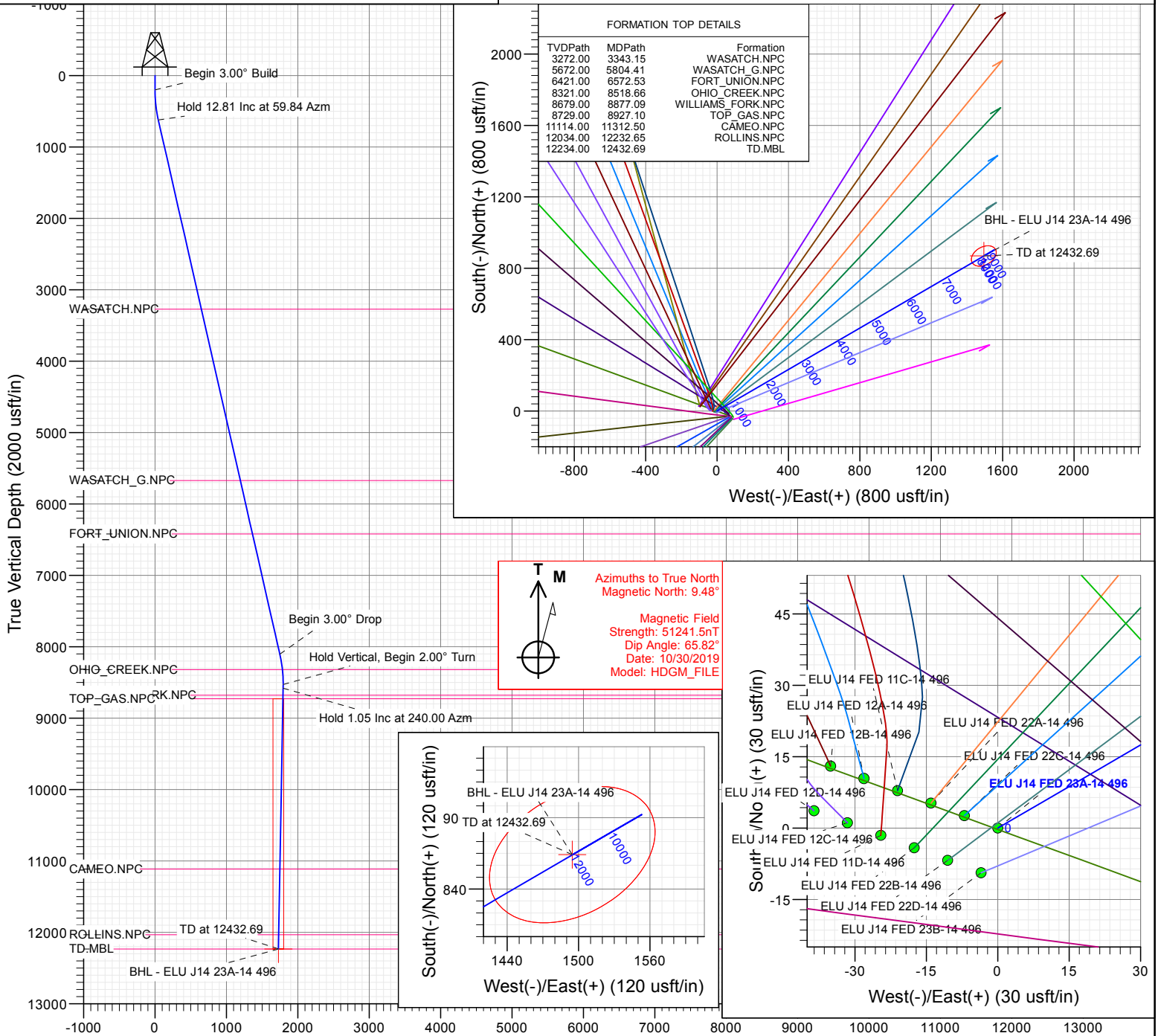
RKB @ 7902.00usft

Ground Level @ 7902.00

NAD 1927 - Western US

Well ELU J14 FED 23A-14 496, True North

Name	Type	Target	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 23A-14 496	TD	No Target (Freehand)	59.83	Slot		0.00	0.00	0.00	
			TVD						
			12234.00						
			+N/-S						
			868.92						
			+E/-W						
			1494.71						
			Latitude						
			39.703255						
			Longitude						
			-108.130818						



CATHEDRAL

+N/-S 0.00 +E/-W 0.00 Northing 14429990.89 Easting 2446018.61

7902.00

Latitude 39.700871

Longitude -108.136129

CATHEDRAL

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 23A-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7902.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7902.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 23A-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 23A-14 496					
Well Position	+N/-S	-36.58 usft	Northing:	14,429,990.89 usft	Latitude:	39.700871
	+E/-W	98.39 usft	Easting:	2,446,018.62 usft	Longitude:	-108.136129
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	51,241.50000000

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	59.83	

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	
627.00	12.81	59.84	623.45	23.88	41.10	3.00	3.00	0.00	59.84	
8,300.08	12.81	59.84	8,105.55	878.72	1,511.99	0.00	0.00	0.00	0.00	
8,727.07	0.00	0.00	8,529.00	902.60	1,553.09	3.00	-3.00	0.00	180.00	
8,779.56	1.05	240.02	8,581.48	902.36	1,552.67	2.00	2.00	-228.61	240.02	
12,432.69	1.05	240.02	12,234.00	868.92	1,494.71	0.00	0.00	0.00	0.00	BHL - ELU J14 23A



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 23A-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7902.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7902.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 23A-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	59.84	299.95	1.32	2.26	2.62	3.00	3.00	0.00
400.00	6.00	59.84	399.63	5.26	9.05	10.46	3.00	3.00	0.00
500.00	9.00	59.84	498.77	11.81	20.33	23.51	3.00	3.00	0.00
600.00	12.00	59.84	597.08	20.97	36.08	41.74	3.00	3.00	0.00
627.00	12.81	59.84	623.45	23.89	41.10	47.54	3.00	3.00	0.00
Hold 12.81 Inc at 59.84 Azm									
700.00	12.81	59.84	694.63	32.02	55.09	63.72	0.00	0.00	0.00
800.00	12.81	59.84	792.15	43.16	74.26	85.89	0.00	0.00	0.00
900.00	12.81	59.84	889.66	54.30	93.43	108.06	0.00	0.00	0.00
1,000.00	12.81	59.84	987.17	65.44	112.60	130.24	0.00	0.00	0.00
1,100.00	12.81	59.84	1,084.68	76.58	131.77	152.41	0.00	0.00	0.00
1,200.00	12.81	59.84	1,182.19	87.72	150.94	174.58	0.00	0.00	0.00
1,300.00	12.81	59.84	1,279.70	98.86	170.11	196.75	0.00	0.00	0.00
1,400.00	12.81	59.84	1,377.21	110.00	189.28	218.92	0.00	0.00	0.00
1,500.00	12.81	59.84	1,474.72	121.14	208.45	241.09	0.00	0.00	0.00
1,600.00	12.81	59.84	1,572.23	132.28	227.62	263.27	0.00	0.00	0.00
1,700.00	12.81	59.84	1,669.75	143.42	246.79	285.44	0.00	0.00	0.00
1,800.00	12.81	59.84	1,767.26	154.56	265.96	307.61	0.00	0.00	0.00
1,900.00	12.81	59.84	1,864.77	165.71	285.13	329.78	0.00	0.00	0.00
2,000.00	12.81	59.84	1,962.28	176.85	304.30	351.95	0.00	0.00	0.00
2,100.00	12.81	59.84	2,059.79	187.99	323.47	374.12	0.00	0.00	0.00
2,200.00	12.81	59.84	2,157.30	199.13	342.64	396.30	0.00	0.00	0.00
2,300.00	12.81	59.84	2,254.81	210.27	361.81	418.47	0.00	0.00	0.00
2,400.00	12.81	59.84	2,352.32	221.41	380.97	440.64	0.00	0.00	0.00
2,500.00	12.81	59.84	2,449.83	232.55	400.14	462.81	0.00	0.00	0.00
2,600.00	12.81	59.84	2,547.35	243.69	419.31	484.98	0.00	0.00	0.00
2,700.00	12.81	59.84	2,644.86	254.83	438.48	507.15	0.00	0.00	0.00
2,800.00	12.81	59.84	2,742.37	265.97	457.65	529.33	0.00	0.00	0.00
2,900.00	12.81	59.84	2,839.88	277.11	476.82	551.50	0.00	0.00	0.00
3,000.00	12.81	59.84	2,937.39	288.25	495.99	573.67	0.00	0.00	0.00
3,100.00	12.81	59.84	3,034.90	299.39	515.16	595.84	0.00	0.00	0.00
3,200.00	12.81	59.84	3,132.41	310.53	534.33	618.01	0.00	0.00	0.00
3,300.00	12.81	59.84	3,229.92	321.67	553.50	640.19	0.00	0.00	0.00
3,343.15	12.81	59.84	3,272.00	326.48	561.77	649.75	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	12.81	59.84	3,327.43	332.82	572.67	662.36	0.00	0.00	0.00
3,500.00	12.81	59.84	3,424.95	343.96	591.84	684.53	0.00	0.00	0.00
3,600.00	12.81	59.84	3,522.46	355.10	611.01	706.70	0.00	0.00	0.00
3,700.00	12.81	59.84	3,619.97	366.24	630.18	728.87	0.00	0.00	0.00
3,800.00	12.81	59.84	3,717.48	377.38	649.35	751.04	0.00	0.00	0.00
3,900.00	12.81	59.84	3,814.99	388.52	668.52	773.22	0.00	0.00	0.00
4,000.00	12.81	59.84	3,912.50	399.66	687.69	795.39	0.00	0.00	0.00
4,100.00	12.81	59.84	4,010.01	410.80	706.86	817.56	0.00	0.00	0.00
4,200.00	12.81	59.84	4,107.52	421.94	726.03	839.73	0.00	0.00	0.00
4,300.00	12.81	59.84	4,205.03	433.08	745.20	861.90	0.00	0.00	0.00
4,400.00	12.81	59.84	4,302.55	444.22	764.37	884.07	0.00	0.00	0.00
4,500.00	12.81	59.84	4,400.06	455.36	783.53	906.25	0.00	0.00	0.00
4,600.00	12.81	59.84	4,497.57	466.50	802.70	928.42	0.00	0.00	0.00
4,700.00	12.81	59.84	4,595.08	477.64	821.87	950.59	0.00	0.00	0.00
4,800.00	12.81	59.84	4,692.59	488.78	841.04	972.76	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 23A-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7902.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7902.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 23A-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	12.81	59.84	4,790.10	499.92	860.21	994.93	0.00	0.00	0.00
5,000.00	12.81	59.84	4,887.61	511.07	879.38	1,017.10	0.00	0.00	0.00
5,100.00	12.81	59.84	4,985.12	522.21	898.55	1,039.28	0.00	0.00	0.00
5,200.00	12.81	59.84	5,082.63	533.35	917.72	1,061.45	0.00	0.00	0.00
5,300.00	12.81	59.84	5,180.15	544.49	936.89	1,083.62	0.00	0.00	0.00
5,400.00	12.81	59.84	5,277.66	555.63	956.06	1,105.79	0.00	0.00	0.00
5,500.00	12.81	59.84	5,375.17	566.77	975.23	1,127.96	0.00	0.00	0.00
5,600.00	12.81	59.84	5,472.68	577.91	994.40	1,150.14	0.00	0.00	0.00
5,700.00	12.81	59.84	5,570.19	589.05	1,013.57	1,172.31	0.00	0.00	0.00
5,800.00	12.81	59.84	5,667.70	600.19	1,032.74	1,194.48	0.00	0.00	0.00
5,804.41	12.81	59.84	5,672.00	600.68	1,033.58	1,195.46	0.00	0.00	0.00
WASATCH_G.NPC									
5,900.00	12.81	59.84	5,765.21	611.33	1,051.91	1,216.65	0.00	0.00	0.00
6,000.00	12.81	59.84	5,862.72	622.47	1,071.08	1,238.82	0.00	0.00	0.00
6,100.00	12.81	59.84	5,960.23	633.61	1,090.25	1,260.99	0.00	0.00	0.00
6,200.00	12.81	59.84	6,057.75	644.75	1,109.42	1,283.17	0.00	0.00	0.00
6,300.00	12.81	59.84	6,155.26	655.89	1,128.59	1,305.34	0.00	0.00	0.00
6,400.00	12.81	59.84	6,252.77	667.03	1,147.76	1,327.51	0.00	0.00	0.00
6,500.00	12.81	59.84	6,350.28	678.18	1,166.93	1,349.68	0.00	0.00	0.00
6,572.53	12.81	59.84	6,421.00	686.26	1,180.83	1,365.76	0.00	0.00	0.00
FORT_UNION.NPC									
6,600.00	12.81	59.84	6,447.79	689.32	1,186.10	1,371.85	0.00	0.00	0.00
6,700.00	12.81	59.84	6,545.30	700.46	1,205.26	1,394.02	0.00	0.00	0.00
6,800.00	12.81	59.84	6,642.81	711.60	1,224.43	1,416.20	0.00	0.00	0.00
6,900.00	12.81	59.84	6,740.32	722.74	1,243.60	1,438.37	0.00	0.00	0.00
7,000.00	12.81	59.84	6,837.83	733.88	1,262.77	1,460.54	0.00	0.00	0.00
7,100.00	12.81	59.84	6,935.35	745.02	1,281.94	1,482.71	0.00	0.00	0.00
7,200.00	12.81	59.84	7,032.86	756.16	1,301.11	1,504.88	0.00	0.00	0.00
7,300.00	12.81	59.84	7,130.37	767.30	1,320.28	1,527.05	0.00	0.00	0.00
7,400.00	12.81	59.84	7,227.88	778.44	1,339.45	1,549.23	0.00	0.00	0.00
7,500.00	12.81	59.84	7,325.39	789.58	1,358.62	1,571.40	0.00	0.00	0.00
7,600.00	12.81	59.84	7,422.90	800.72	1,377.79	1,593.57	0.00	0.00	0.00
7,700.00	12.81	59.84	7,520.41	811.86	1,396.96	1,615.74	0.00	0.00	0.00
7,800.00	12.81	59.84	7,617.92	823.00	1,416.13	1,637.91	0.00	0.00	0.00
7,900.00	12.81	59.84	7,715.43	834.14	1,435.30	1,660.08	0.00	0.00	0.00
8,000.00	12.81	59.84	7,812.95	845.29	1,454.47	1,682.26	0.00	0.00	0.00
8,100.00	12.81	59.84	7,910.46	856.43	1,473.64	1,704.43	0.00	0.00	0.00
8,200.00	12.81	59.84	8,007.97	867.57	1,492.81	1,726.60	0.00	0.00	0.00
8,300.00	12.81	59.84	8,105.48	878.71	1,511.98	1,748.77	0.00	0.00	0.00
8,300.07	12.81	59.84	8,105.55	878.71	1,511.99	1,748.79	0.00	0.00	0.00
Begin 3.00° Drop									
8,400.00	9.81	59.84	8,203.52	888.56	1,528.94	1,768.38	3.00	-3.00	0.00
8,500.00	6.81	59.84	8,302.46	895.83	1,541.43	1,782.84	3.00	-3.00	0.00
8,518.66	6.25	59.84	8,321.00	896.89	1,543.27	1,784.96	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,600.00	3.81	59.84	8,402.02	900.48	1,549.44	1,792.10	3.00	-3.00	0.00
8,700.00	0.81	59.84	8,501.93	902.50	1,552.92	1,796.13	3.00	-3.00	0.00
8,727.07	0.00	0.00	8,529.00	902.60	1,553.09	1,796.32	3.00	-3.00	-221.04
Hold Vertical, Begin 2.00° Turn									
8,779.56	1.05	240.02	8,581.49	902.36	1,552.67	1,795.84	2.00	2.00	-228.58
Hold 1.05 Inc at 240.00 Azm									
8,800.00	1.05	240.02	8,601.92	902.17	1,552.35	1,795.47	0.00	0.00	0.00
8,877.09	1.05	240.02	8,679.00	901.47	1,551.13	1,794.06	0.00	0.00	0.00



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 23A-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7902.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7902.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 23A-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									
8,900.00	1.05	240.02	8,701.90	901.26	1,550.76	1,793.64	0.00	0.00	0.00
8,927.10	1.05	240.02	8,729.00	901.01	1,550.33	1,793.14	0.00	0.00	0.00
TOP_GAS.NPC									
9,000.00	1.05	240.02	8,801.89	900.34	1,549.18	1,791.80	0.00	0.00	0.00
9,100.00	1.05	240.02	8,901.87	899.43	1,547.59	1,789.97	0.00	0.00	0.00
9,200.00	1.05	240.02	9,001.85	898.51	1,546.00	1,788.14	0.00	0.00	0.00
9,300.00	1.05	240.02	9,101.84	897.60	1,544.42	1,786.31	0.00	0.00	0.00
9,400.00	1.05	240.02	9,201.82	896.68	1,542.83	1,784.48	0.00	0.00	0.00
9,500.00	1.05	240.02	9,301.80	895.76	1,541.24	1,782.64	0.00	0.00	0.00
9,600.00	1.05	240.02	9,401.79	894.85	1,539.65	1,780.81	0.00	0.00	0.00
9,700.00	1.05	240.02	9,501.77	893.93	1,538.07	1,778.98	0.00	0.00	0.00
9,800.00	1.05	240.02	9,601.75	893.02	1,536.48	1,777.15	0.00	0.00	0.00
9,900.00	1.05	240.02	9,701.74	892.10	1,534.89	1,775.32	0.00	0.00	0.00
10,000.00	1.05	240.02	9,801.72	891.19	1,533.31	1,773.48	0.00	0.00	0.00
10,100.00	1.05	240.02	9,901.70	890.27	1,531.72	1,771.65	0.00	0.00	0.00
10,200.00	1.05	240.02	10,001.69	889.36	1,530.13	1,769.82	0.00	0.00	0.00
10,300.00	1.05	240.02	10,101.67	888.44	1,528.55	1,767.99	0.00	0.00	0.00
10,400.00	1.05	240.02	10,201.65	887.52	1,526.96	1,766.16	0.00	0.00	0.00
10,500.00	1.05	240.02	10,301.64	886.61	1,525.37	1,764.32	0.00	0.00	0.00
10,600.00	1.05	240.02	10,401.62	885.69	1,523.79	1,762.49	0.00	0.00	0.00
10,700.00	1.05	240.02	10,501.60	884.78	1,522.20	1,760.66	0.00	0.00	0.00
10,800.00	1.05	240.02	10,601.59	883.86	1,520.61	1,758.83	0.00	0.00	0.00
10,900.00	1.05	240.02	10,701.57	882.95	1,519.03	1,757.00	0.00	0.00	0.00
11,000.00	1.05	240.02	10,801.55	882.03	1,517.44	1,755.16	0.00	0.00	0.00
11,100.00	1.05	240.02	10,901.54	881.12	1,515.85	1,753.33	0.00	0.00	0.00
11,200.00	1.05	240.02	11,001.52	880.20	1,514.27	1,751.50	0.00	0.00	0.00
11,300.00	1.05	240.02	11,101.50	879.29	1,512.68	1,749.67	0.00	0.00	0.00
11,312.50	1.05	240.02	11,114.00	879.17	1,512.48	1,749.44	0.00	0.00	0.00
CAMEO.NPC									
11,400.00	1.05	240.02	11,201.49	878.37	1,511.09	1,747.84	0.00	0.00	0.00
11,500.00	1.05	240.02	11,301.47	877.45	1,509.51	1,746.00	0.00	0.00	0.00
11,600.00	1.05	240.02	11,401.45	876.54	1,507.92	1,744.17	0.00	0.00	0.00
11,700.00	1.05	240.02	11,501.44	875.62	1,506.33	1,742.34	0.00	0.00	0.00
11,800.00	1.05	240.02	11,601.42	874.71	1,504.75	1,740.51	0.00	0.00	0.00
11,900.00	1.05	240.02	11,701.40	873.79	1,503.16	1,738.68	0.00	0.00	0.00
12,000.00	1.05	240.02	11,801.38	872.88	1,501.57	1,736.85	0.00	0.00	0.00
12,100.00	1.05	240.02	11,901.37	871.96	1,499.99	1,735.01	0.00	0.00	0.00
12,200.00	1.05	240.02	12,001.35	871.05	1,498.40	1,733.18	0.00	0.00	0.00
12,232.65	1.05	240.02	12,034.00	870.75	1,497.88	1,732.58	0.00	0.00	0.00
ROLLINS.NPC									
12,300.00	1.05	240.02	12,101.33	870.13	1,496.81	1,731.35	0.00	0.00	0.00
12,400.00	1.05	240.02	12,201.32	869.21	1,495.22	1,729.52	0.00	0.00	0.00
12,432.69	1.05	240.02	12,234.00	868.92	1,494.71	1,728.92	0.00	0.00	0.00
TD at 12432.69									

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 23A-14 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 7902.00usft
Project:	Rio Blanco County, CO (UTM 12N)	MD Reference:	RKB @ 7902.00usft
Site:	SEC 14-T4S-R96W ELU FED J14 496	North Reference:	True
Well:	ELU J14 FED 23A-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
BHL - ELU J14 23A-1-	0.00	0.00	12,234.00	868.92	1,494.71	14,430,907.10	2,447,484.80	39.703255	-108.130819
- plan hits target center									
- Ellipse (radii L75.00 W50.00 on 240.00 azi)									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,343.15	3,272.00	WASATCH.NPC			
5,804.41	5,672.00	WASATCH_G.NPC			
6,572.53	6,421.00	FORT_UNION.NPC			
8,518.66	8,321.00	OHIO_CREEK.NPC			
8,877.09	8,679.00	WILLIAMS_FORK.NPC			
8,927.10	8,729.00	TOP_GAS.NPC			
11,312.50	11,114.00	CAMEO.NPC			
12,232.65	12,034.00	ROLLINS.NPC		0.00	
12,432.69	12,234.00	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
627.00	623.45	23.89	41.10	Hold 12.81 Inc at 59.84 Azm
8,300.07	8,105.55	878.71	1,511.99	Begin 3.00° Drop
8,727.07	8,529.00	902.60	1,553.09	Hold Vertical, Begin 2.00° Turn
8,779.56	8,581.49	902.36	1,552.67	Hold 1.05 Inc at 240.00 Azm
12,432.69	12,234.00	868.92	1,494.71	TD at 12432.69