



Caerus Oil & Gas

Rio Blanco County, CO (UTM 12N)

SEC 14-T4S-R96W ELU J14 496

ELU J14 FED 14A-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	260.00	299.95	-0.45	-2.58	3.00	260.00	2.52	
4	400.00	3.00	260.00	399.82	-1.36	-7.73	0.00	0.00	7.57	
5	573.06	7.97	277.53	572.04	-0.58	-24.10	3.00	27.49	23.94	
6	8361.38	7.97	277.53	8285.06	140.93	-1095.21	0.00	0.00	1103.64	
7	8627.18	0.00	0.00	8550.00	143.35	-1113.52	3.00	180.00	1122.09	
8	8679.40	1.04	240.02	8602.21	143.11	-1113.93	2.00	240.02	1122.48	
9	12170.76	1.04	240.02	12093.00	111.32	-1169.05	0.00	0.00	1174.34	BHL - ELU J14 14A-14 496

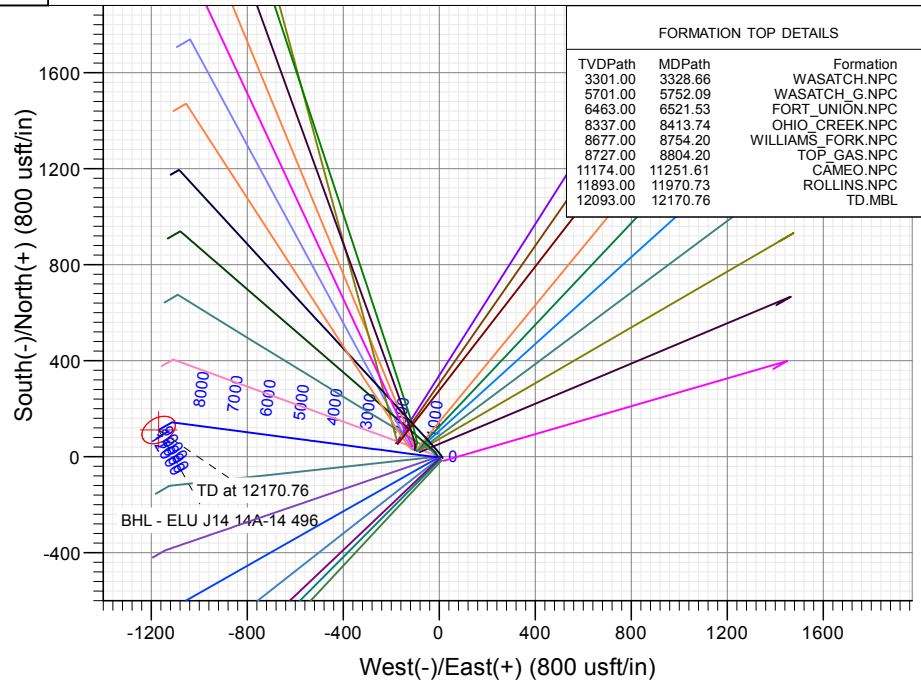
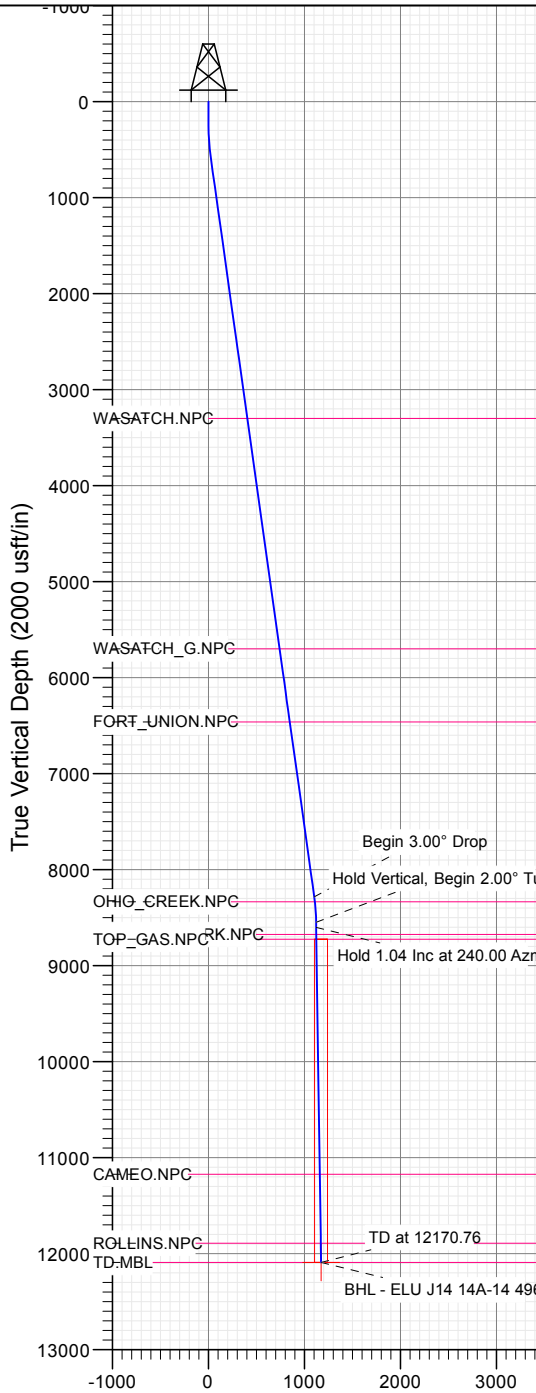
Project: Rio Blanco County, CO (UTM 12N)
Site: SEC 14-T4S-R96W ELU FED J14 496
Well: ELU J14 FED 14A-14 496
Wellbore: OH
Design: Plan 1

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

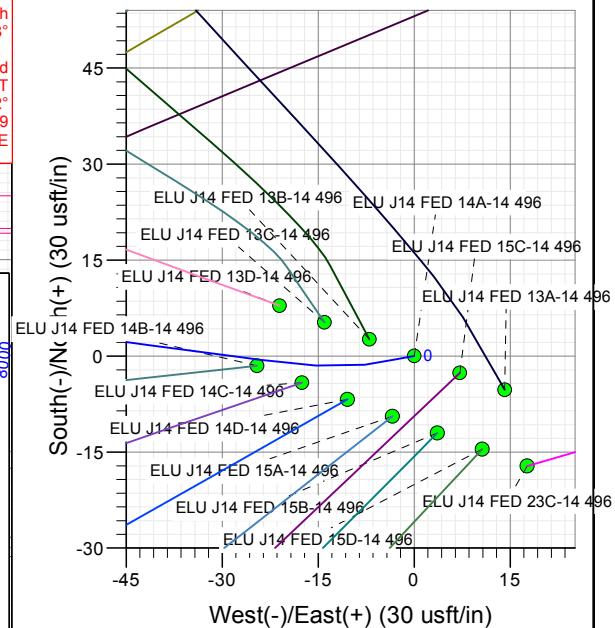
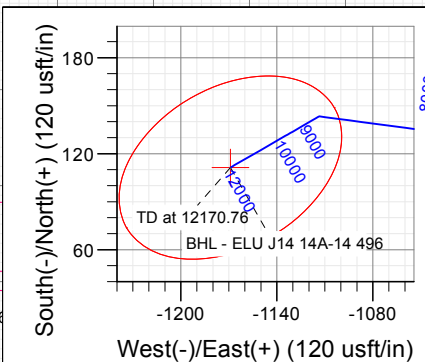
Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 14A-14 496	TD			275.44	Slot		0.00	0.00	0.00	
				TVD			+N/-S	+E/-W	Latitude	Longitude
				12093.00			111.32	-1169.05	39.701097	-108.140007

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3301.00	3328.66	WASATCH.NPC
5701.00	5752.09	WASATCH_G.NPC
6463.00	6521.53	FORT_UNION.NPC
8337.00	8413.74	OHIO_CREEK.NPC
8677.00	8754.20	WILLIAMS_FORK.NPC
8727.00	8804.20	TOP_GAS.NPC
11174.00	11251.61	CAMEO.NPC
11893.00	11970.73	ROLLINS.NPC
12093.00	12170.76	TD.MBL



Azimuths to True North
Magnetic North: 9.48°
Magnetic Field
Strength: 51239.3nT
Dip Angle: 65.82°
Date: 11/6/2019
Model: HDGM_FILE



Vertical Section at 275.44° (2000 usft/in)

WELL DETAILS: ELU J14 FED 14A-14 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14429964.69	2446096.81	39.700792	-108.135854





Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14A-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 14A-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 14A-14 496					
Well Position	+N/-S	-65.26 usft	Northing:	14,429,964.69 usft	Latitude:	39.700792
	+E/-W	175.72 usft	Easting:	2,446,096.82 usft	Longitude:	-108.135854
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	275.44	

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	260.00	299.95	-0.45	-2.58	3.00	3.00	0.00	260.00	
400.00	3.00	260.00	399.82	-1.36	-7.73	0.00	0.00	0.00	0.00	
573.06	7.97	277.53	572.04	-0.58	-24.10	3.00	2.87	10.13	27.49	
8,361.38	7.97	277.53	8,285.06	140.93	-1,095.21	0.00	0.00	0.00	0.00	
8,627.18	0.00	0.00	8,550.00	143.35	-1,113.52	3.00	-3.00	0.00	180.00	
8,679.40	1.04	240.02	8,602.21	143.11	-1,113.93	2.00	2.00	-229.77	240.02	
12,170.76	1.04	240.02	12,093.00	111.32	-1,169.05	0.00	0.00	0.00	0.00	BHL - ELU J14 14A



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14A-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 14A-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	260.00	299.95	-0.45	-2.58	2.52	3.00	3.00	0.00
Hold 3.00 Inc at 260.00 Azm									
400.00	3.00	260.00	399.82	-1.36	-7.73	7.57	0.00	0.00	0.00
Begin 3.00° Build & Turn									
500.00	5.83	273.76	499.51	-1.48	-15.38	15.17	3.00	2.83	13.76
573.06	7.97	277.53	572.04	-0.58	-24.10	23.94	3.00	2.94	5.15
Hold 7.97 Inc at 277.53 Azm									
600.00	7.97	277.53	598.72	-0.09	-27.81	27.67	0.00	0.00	0.00
700.00	7.97	277.53	697.75	1.73	-41.56	41.54	0.00	0.00	0.00
800.00	7.97	277.53	796.79	3.55	-55.31	55.40	0.00	0.00	0.00
900.00	7.97	277.53	895.82	5.36	-69.07	69.26	0.00	0.00	0.00
1,000.00	7.97	277.53	994.85	7.18	-82.82	83.13	0.00	0.00	0.00
1,100.00	7.97	277.53	1,093.89	9.00	-96.57	96.99	0.00	0.00	0.00
1,200.00	7.97	277.53	1,192.92	10.81	-110.32	110.85	0.00	0.00	0.00
1,300.00	7.97	277.53	1,291.95	12.63	-124.08	124.72	0.00	0.00	0.00
1,400.00	7.97	277.53	1,390.98	14.45	-137.83	138.58	0.00	0.00	0.00
1,500.00	7.97	277.53	1,490.02	16.26	-151.58	152.44	0.00	0.00	0.00
1,600.00	7.97	277.53	1,589.05	18.08	-165.34	166.31	0.00	0.00	0.00
1,700.00	7.97	277.53	1,688.08	19.90	-179.09	180.17	0.00	0.00	0.00
1,800.00	7.97	277.53	1,787.12	21.72	-192.84	194.03	0.00	0.00	0.00
1,900.00	7.97	277.53	1,886.15	23.53	-206.59	207.89	0.00	0.00	0.00
2,000.00	7.97	277.53	1,985.18	25.35	-220.35	221.76	0.00	0.00	0.00
2,100.00	7.97	277.53	2,084.22	27.17	-234.10	235.62	0.00	0.00	0.00
2,200.00	7.97	277.53	2,183.25	28.98	-247.85	249.48	0.00	0.00	0.00
2,300.00	7.97	277.53	2,282.28	30.80	-261.61	263.35	0.00	0.00	0.00
2,400.00	7.97	277.53	2,381.32	32.62	-275.36	277.21	0.00	0.00	0.00
2,500.00	7.97	277.53	2,480.35	34.43	-289.11	291.07	0.00	0.00	0.00
2,600.00	7.97	277.53	2,579.38	36.25	-302.86	304.94	0.00	0.00	0.00
2,700.00	7.97	277.53	2,678.42	38.07	-316.62	318.80	0.00	0.00	0.00
2,800.00	7.97	277.53	2,777.45	39.88	-330.37	332.66	0.00	0.00	0.00
2,900.00	7.97	277.53	2,876.48	41.70	-344.12	346.53	0.00	0.00	0.00
3,000.00	7.97	277.53	2,975.51	43.52	-357.87	360.39	0.00	0.00	0.00
3,100.00	7.97	277.53	3,074.55	45.34	-371.63	374.25	0.00	0.00	0.00
3,200.00	7.97	277.53	3,173.58	47.15	-385.38	388.11	0.00	0.00	0.00
3,300.00	7.97	277.53	3,272.61	48.97	-399.13	401.98	0.00	0.00	0.00
3,328.66	7.97	277.53	3,301.00	49.49	-403.07	405.95	0.00	0.00	0.00
WASATCH.NPC									
3,400.00	7.97	277.53	3,371.65	50.79	-412.89	415.84	0.00	0.00	0.00
3,500.00	7.97	277.53	3,470.68	52.60	-426.64	429.70	0.00	0.00	0.00
3,600.00	7.97	277.53	3,569.71	54.42	-440.39	443.57	0.00	0.00	0.00
3,700.00	7.97	277.53	3,668.75	56.24	-454.14	457.43	0.00	0.00	0.00
3,800.00	7.97	277.53	3,767.78	58.05	-467.90	471.29	0.00	0.00	0.00
3,900.00	7.97	277.53	3,866.81	59.87	-481.65	485.16	0.00	0.00	0.00
4,000.00	7.97	277.53	3,965.85	61.69	-495.40	499.02	0.00	0.00	0.00
4,100.00	7.97	277.53	4,064.88	63.51	-509.15	512.88	0.00	0.00	0.00
4,200.00	7.97	277.53	4,163.91	65.32	-522.91	526.75	0.00	0.00	0.00
4,300.00	7.97	277.53	4,262.95	67.14	-536.66	540.61	0.00	0.00	0.00
4,400.00	7.97	277.53	4,361.98	68.96	-550.41	554.47	0.00	0.00	0.00
4,500.00	7.97	277.53	4,461.01	70.77	-564.17	568.33	0.00	0.00	0.00
4,600.00	7.97	277.53	4,560.04	72.59	-577.92	582.20	0.00	0.00	0.00
4,700.00	7.97	277.53	4,659.08	74.41	-591.67	596.06	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14A-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 14A-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)
4,800.00	7.97	277.53	4,758.11	76.22	-605.42	609.92	0.00	0.00	0.00
4,900.00	7.97	277.53	4,857.14	78.04	-619.18	623.79	0.00	0.00	0.00
5,000.00	7.97	277.53	4,956.18	79.86	-632.93	637.65	0.00	0.00	0.00
5,100.00	7.97	277.53	5,055.21	81.67	-646.68	651.51	0.00	0.00	0.00
5,200.00	7.97	277.53	5,154.24	83.49	-660.44	665.38	0.00	0.00	0.00
5,300.00	7.97	277.53	5,253.28	85.31	-674.19	679.24	0.00	0.00	0.00
5,400.00	7.97	277.53	5,352.31	87.13	-687.94	693.10	0.00	0.00	0.00
5,500.00	7.97	277.53	5,451.34	88.94	-701.69	706.97	0.00	0.00	0.00
5,600.00	7.97	277.53	5,550.38	90.76	-715.45	720.83	0.00	0.00	0.00
5,700.00	7.97	277.53	5,649.41	92.58	-729.20	734.69	0.00	0.00	0.00
5,752.09	7.97	277.53	5,701.00	93.52	-736.36	741.91	0.00	0.00	0.00
WASATCH_G.NPC									
5,800.00	7.97	277.53	5,748.44	94.39	-742.95	748.55	0.00	0.00	0.00
5,900.00	7.97	277.53	5,847.48	96.21	-756.70	762.42	0.00	0.00	0.00
6,000.00	7.97	277.53	5,946.51	98.03	-770.46	776.28	0.00	0.00	0.00
6,100.00	7.97	277.53	6,045.54	99.84	-784.21	790.14	0.00	0.00	0.00
6,200.00	7.97	277.53	6,144.57	101.66	-797.96	804.01	0.00	0.00	0.00
6,300.00	7.97	277.53	6,243.61	103.48	-811.72	817.87	0.00	0.00	0.00
6,400.00	7.97	277.53	6,342.64	105.29	-825.47	831.73	0.00	0.00	0.00
6,500.00	7.97	277.53	6,441.67	107.11	-839.22	845.60	0.00	0.00	0.00
6,521.53	7.97	277.53	6,463.00	107.50	-842.18	848.58	0.00	0.00	0.00
FORT_UNION.NPC									
6,600.00	7.97	277.53	6,540.71	108.93	-852.97	859.46	0.00	0.00	0.00
6,700.00	7.97	277.53	6,639.74	110.75	-866.73	873.32	0.00	0.00	0.00
6,800.00	7.97	277.53	6,738.77	112.56	-880.48	887.19	0.00	0.00	0.00
6,900.00	7.97	277.53	6,837.81	114.38	-894.23	901.05	0.00	0.00	0.00
7,000.00	7.97	277.53	6,936.84	116.20	-907.99	914.91	0.00	0.00	0.00
7,100.00	7.97	277.53	7,035.87	118.01	-921.74	928.77	0.00	0.00	0.00
7,200.00	7.97	277.53	7,134.91	119.83	-935.49	942.64	0.00	0.00	0.00
7,300.00	7.97	277.53	7,233.94	121.65	-949.24	956.50	0.00	0.00	0.00
7,400.00	7.97	277.53	7,332.97	123.46	-963.00	970.36	0.00	0.00	0.00
7,500.00	7.97	277.53	7,432.01	125.28	-976.75	984.23	0.00	0.00	0.00
7,600.00	7.97	277.53	7,531.04	127.10	-990.50	998.09	0.00	0.00	0.00
7,700.00	7.97	277.53	7,630.07	128.91	-1,004.25	1,011.95	0.00	0.00	0.00
7,800.00	7.97	277.53	7,729.10	130.73	-1,018.01	1,025.82	0.00	0.00	0.00
7,900.00	7.97	277.53	7,828.14	132.55	-1,031.76	1,039.68	0.00	0.00	0.00
8,000.00	7.97	277.53	7,927.17	134.37	-1,045.51	1,053.54	0.00	0.00	0.00
8,100.00	7.97	277.53	8,026.20	136.18	-1,059.27	1,067.40	0.00	0.00	0.00
8,200.00	7.97	277.53	8,125.24	138.00	-1,073.02	1,081.27	0.00	0.00	0.00
8,300.00	7.97	277.53	8,224.27	139.82	-1,086.77	1,095.13	0.00	0.00	0.00
8,361.38	7.97	277.53	8,285.06	140.93	-1,095.21	1,103.64	0.00	0.00	0.00
Begin 3.00° Drop									
8,400.00	6.82	277.53	8,323.35	141.58	-1,100.14	1,108.61	3.00	-3.00	0.00
8,413.74	6.40	277.53	8,337.00	141.79	-1,101.71	1,110.19	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,500.00	3.82	277.53	8,422.91	142.80	-1,109.32	1,117.86	3.00	-3.00	0.00
8,600.00	0.82	277.53	8,522.82	143.32	-1,113.33	1,121.90	3.00	-3.00	0.00
8,627.18	0.00	0.00	8,550.00	143.35	-1,113.52	1,122.09	3.00	-3.00	303.44
Hold Vertical, Begin 2.00° Turn									
8,679.40	1.04	240.02	8,602.22	143.11	-1,113.93	1,122.48	2.00	2.00	-229.76
Hold 1.04 Inc at 240.00 Azm									
8,700.00	1.04	240.02	8,622.81	142.92	-1,114.26	1,122.79	0.00	0.00	0.00
8,754.20	1.04	240.02	8,677.00	142.43	-1,115.11	1,123.59	0.00	0.00	0.00



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14A-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 14A-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									
8,800.00	1.04	240.02	8,722.80	142.01	-1,115.84	1,124.27	0.00	0.00	0.00
8,804.20	1.04	240.02	8,727.00	141.98	-1,115.90	1,124.34	0.00	0.00	0.00
TOP_GAS.NPC									
8,900.00	1.04	240.02	8,822.78	141.10	-1,117.41	1,125.76	0.00	0.00	0.00
9,000.00	1.04	240.02	8,922.76	140.19	-1,118.99	1,127.24	0.00	0.00	0.00
9,100.00	1.04	240.02	9,022.75	139.28	-1,120.57	1,128.73	0.00	0.00	0.00
9,200.00	1.04	240.02	9,122.73	138.37	-1,122.15	1,130.21	0.00	0.00	0.00
9,300.00	1.04	240.02	9,222.71	137.46	-1,123.73	1,131.70	0.00	0.00	0.00
9,400.00	1.04	240.02	9,322.70	136.55	-1,125.31	1,133.19	0.00	0.00	0.00
9,500.00	1.04	240.02	9,422.68	135.64	-1,126.89	1,134.67	0.00	0.00	0.00
9,600.00	1.04	240.02	9,522.66	134.73	-1,128.47	1,136.16	0.00	0.00	0.00
9,700.00	1.04	240.02	9,622.65	133.82	-1,130.04	1,137.64	0.00	0.00	0.00
9,800.00	1.04	240.02	9,722.63	132.91	-1,131.62	1,139.13	0.00	0.00	0.00
9,900.00	1.04	240.02	9,822.61	132.00	-1,133.20	1,140.61	0.00	0.00	0.00
10,000.00	1.04	240.02	9,922.60	131.09	-1,134.78	1,142.10	0.00	0.00	0.00
10,100.00	1.04	240.02	10,022.58	130.17	-1,136.36	1,143.58	0.00	0.00	0.00
10,200.00	1.04	240.02	10,122.56	129.26	-1,137.94	1,145.07	0.00	0.00	0.00
10,300.00	1.04	240.02	10,222.55	128.35	-1,139.52	1,146.55	0.00	0.00	0.00
10,400.00	1.04	240.02	10,322.53	127.44	-1,141.10	1,148.04	0.00	0.00	0.00
10,500.00	1.04	240.02	10,422.51	126.53	-1,142.67	1,149.52	0.00	0.00	0.00
10,600.00	1.04	240.02	10,522.50	125.62	-1,144.25	1,151.01	0.00	0.00	0.00
10,700.00	1.04	240.02	10,622.48	124.71	-1,145.83	1,152.49	0.00	0.00	0.00
10,800.00	1.04	240.02	10,722.46	123.80	-1,147.41	1,153.98	0.00	0.00	0.00
10,900.00	1.04	240.02	10,822.45	122.89	-1,148.99	1,155.46	0.00	0.00	0.00
11,000.00	1.04	240.02	10,922.43	121.98	-1,150.57	1,156.95	0.00	0.00	0.00
11,100.00	1.04	240.02	11,022.41	121.07	-1,152.15	1,158.44	0.00	0.00	0.00
11,200.00	1.04	240.02	11,122.40	120.16	-1,153.73	1,159.92	0.00	0.00	0.00
11,251.61	1.04	240.02	11,174.00	119.69	-1,154.54	1,160.69	0.00	0.00	0.00
CAMEO.NPC									
11,300.00	1.04	240.02	11,222.38	119.25	-1,155.30	1,161.41	0.00	0.00	0.00
11,400.00	1.04	240.02	11,322.36	118.34	-1,156.88	1,162.89	0.00	0.00	0.00
11,500.00	1.04	240.02	11,422.35	117.42	-1,158.46	1,164.38	0.00	0.00	0.00
11,600.00	1.04	240.02	11,522.33	116.51	-1,160.04	1,165.86	0.00	0.00	0.00
11,700.00	1.04	240.02	11,622.32	115.60	-1,161.62	1,167.35	0.00	0.00	0.00
11,800.00	1.04	240.02	11,722.30	114.69	-1,163.20	1,168.83	0.00	0.00	0.00
11,900.00	1.04	240.02	11,822.28	113.78	-1,164.78	1,170.32	0.00	0.00	0.00
11,970.73	1.04	240.02	11,893.00	113.14	-1,165.89	1,171.37	0.00	0.00	0.00
ROLLINS.NPC									
12,000.00	1.04	240.02	11,922.27	112.87	-1,166.36	1,171.80	0.00	0.00	0.00
12,100.00	1.04	240.02	12,022.25	111.96	-1,167.93	1,173.29	0.00	0.00	0.00
12,170.76	1.04	240.02	12,093.00	111.32	-1,169.05	1,174.34	0.00	0.00	0.00
TD at 12170.76									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - ELU J14 14A-1	0.00	0.00	12,093.00	111.32	-1,169.05	14,430,038.60	2,444,924.80	39.701097	-108.140007
- 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 14A-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 14A-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,328.66	3,301.00	WASATCH.NPC				
5,752.09	5,701.00	WASATCH_G.NPC				
6,521.53	6,463.00	FORT_UNION.NPC				
8,413.74	8,337.00	OHIO_CREEK.NPC				
8,754.20	8,677.00	WILLIAMS_FORK.NPC				
8,804.20	8,727.00	TOP_GAS.NPC				
11,251.61	11,174.00	CAMEO.NPC				
11,970.73	11,893.00	ROLLINS.NPC		0.00		
12,170.76	12,093.00	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
300.00	299.95	-0.45	-2.58	Hold 3.00 Inc at 260.00 Azm
400.00	399.82	-1.36	-7.73	Begin 3.00° Build & Turn
573.06	572.04	-0.58	-24.10	Hold 7.97 Inc at 277.53 Azm
8,361.38	8,285.06	140.93	-1,095.21	Begin 3.00° Drop
8,627.18	8,550.00	143.35	-1,113.52	Hold Vertical, Begin 2.00° Turn
8,679.40	8,602.22	143.11	-1,113.93	Hold 1.04 Inc at 240.00 Azm
12,170.76	12,093.00	111.32	-1,169.05	TD at 12170.76