



Caerus Oil & Gas

**Rio Blanco County, CO (UTM 12N)
SEC 14-T4S-R96W ELU FED J14 496
ELU J14 FED 14B-14 496**

OH

Plan: Plan 1

Standard Planning Report

05 December, 2019



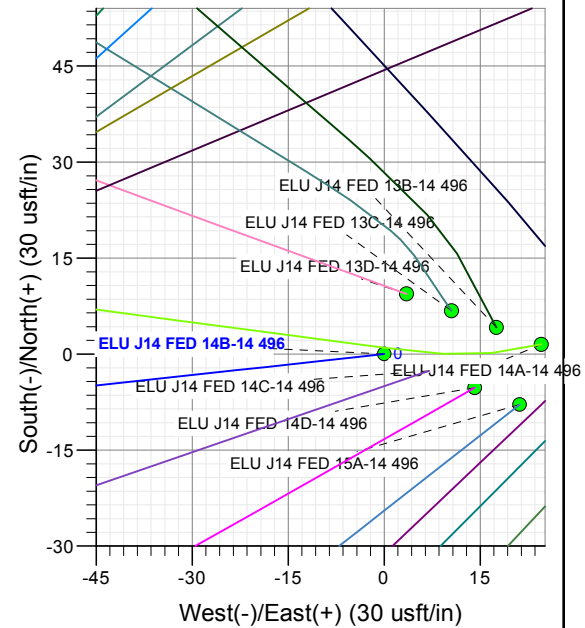
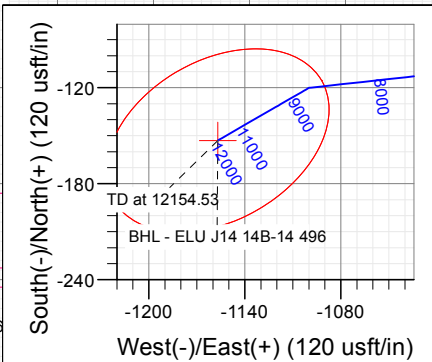
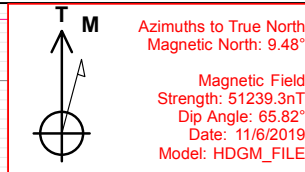
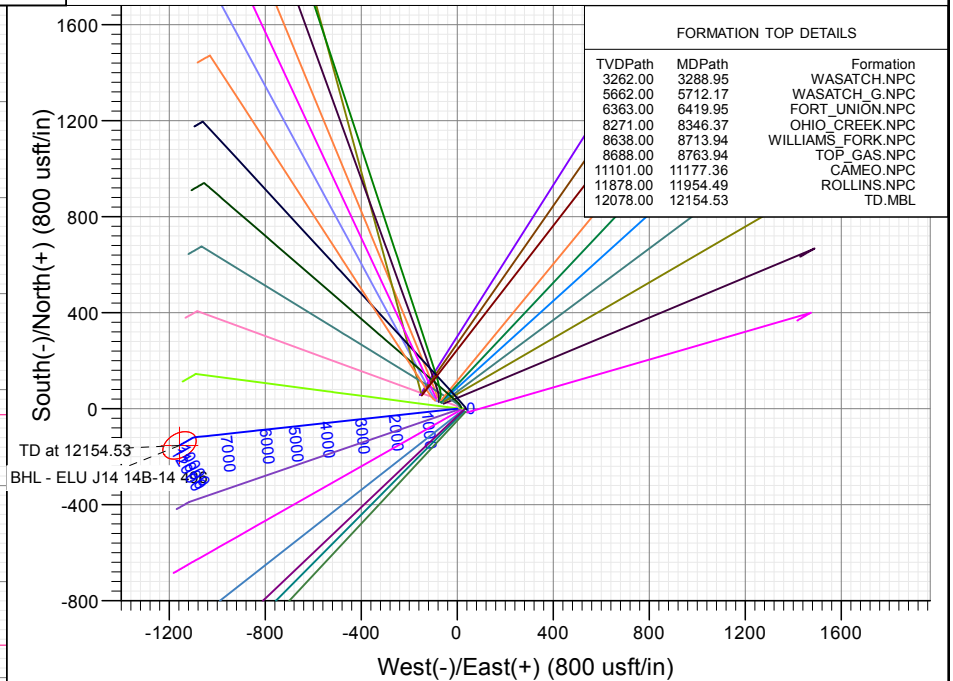
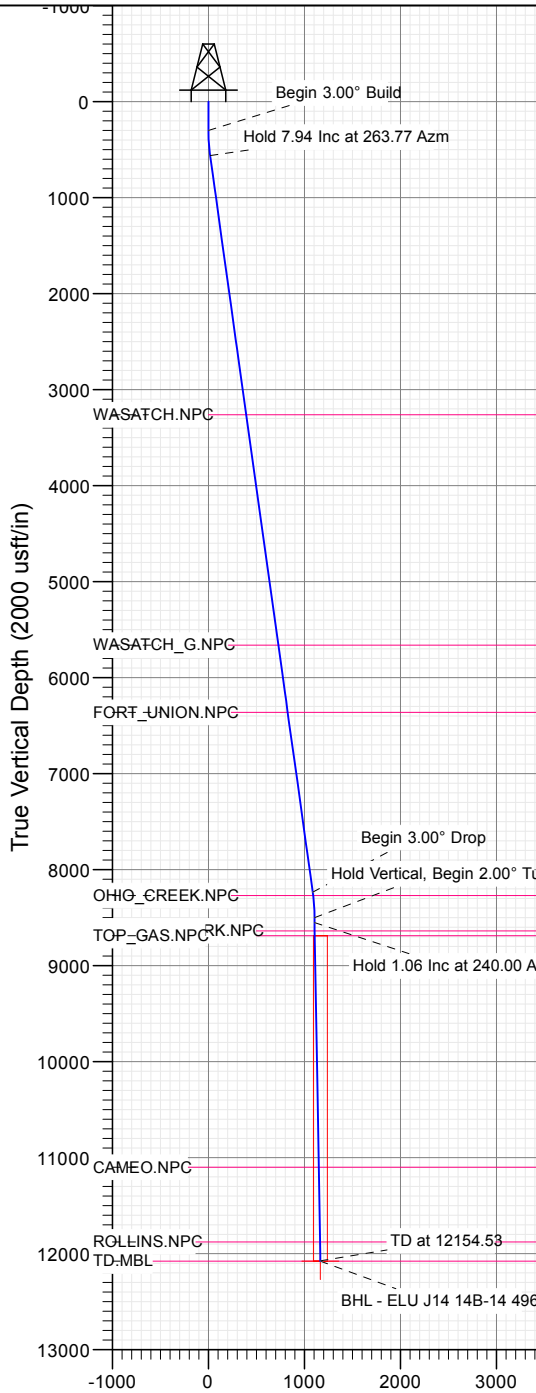
SECTION DETAILS

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	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	564.60	7.94	263.77	563.75	-1.99	-18.19	3.00	263.77	18.30	
4	8311.32	7.94	263.77	8236.25	-118.07	-1081.70	0.00	0.00	1087.84	
5	8575.92	0.00	0.00	8500.00	-120.06	-1099.89	3.00	180.00	1106.14	
6	8629.09	1.06	240.02	8553.17	-120.31	-1100.32	2.00	240.02	1106.59	
7	12154.53	1.06	240.02	12078.00	-153.01	-1156.99	0.00	0.00	1167.06	BHL - ELU J14 14B-14 496

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

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

Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
BHL - ELU J14 14B-14 496	TD			262.47	Slot		0.00	0.00	0.00	
				TVD			+N/-S	+E/-W	Latitude	Longitude
				12078.00			-153.01	-1156.99	39.700368	-108.140051



Vertical Section at 262.47° (2000 usft/in)

WELL DETAILS: ELU J14 FED 14B-14 496

+N/-S 0.00 +E/-W 0.00 Northing 14429962.39 Easting 2446072.31 7902.00 Latitude 39.700788 Longitude -108.135941

CATHEDRAL



Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14B-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 14B-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 14B-14 496					
Well Position	+N/-S	-66.78 usft	Northing:	14,429,962.39 usft	Latitude:	39.700788
	+E/-W	151.16 usft	Easting:	2,446,072.32 usft	Longitude:	-108.135942
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	262.47	

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	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
564.60	7.94	263.77	563.75	-1.99	-18.19	3.00	3.00	0.00	263.77	
8,311.32	7.94	263.77	8,236.25	-118.07	-1,081.70	0.00	0.00	0.00	0.00	
8,575.92	0.00	0.00	8,500.00	-120.06	-1,099.89	3.00	-3.00	0.00	180.00	
8,629.09	1.06	240.02	8,553.17	-120.31	-1,100.32	2.00	2.00	-225.66	240.02	
12,154.53	1.06	240.02	12,078.00	-153.01	-1,156.99	0.00	0.00	0.00	0.00	BHL - ELU J14 14B

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14B-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 14B-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
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin 3.00° Build									
400.00	3.00	263.77	399.95	-0.28	-2.60	2.62	3.00	3.00	0.00
500.00	6.00	263.77	499.63	-1.14	-10.40	10.46	3.00	3.00	0.00
564.60	7.94	263.77	563.75	-1.99	-18.19	18.30	3.00	3.00	0.00
Hold 7.94 Inc at 263.77 Azm									
600.00	7.94	263.77	598.82	-2.52	-23.05	23.18	0.00	0.00	0.00
700.00	7.94	263.77	697.86	-4.01	-36.78	36.99	0.00	0.00	0.00
800.00	7.94	263.77	796.90	-5.51	-50.51	50.80	0.00	0.00	0.00
900.00	7.94	263.77	895.94	-7.01	-64.24	64.60	0.00	0.00	0.00
1,000.00	7.94	263.77	994.98	-8.51	-77.97	78.41	0.00	0.00	0.00
1,100.00	7.94	263.77	1,094.02	-10.01	-91.69	92.22	0.00	0.00	0.00
1,200.00	7.94	263.77	1,193.07	-11.51	-105.42	106.02	0.00	0.00	0.00
1,300.00	7.94	263.77	1,292.11	-13.01	-119.15	119.83	0.00	0.00	0.00
1,400.00	7.94	263.77	1,391.15	-14.50	-132.88	133.63	0.00	0.00	0.00
1,500.00	7.94	263.77	1,490.19	-16.00	-146.61	147.44	0.00	0.00	0.00
1,600.00	7.94	263.77	1,589.23	-17.50	-160.34	161.25	0.00	0.00	0.00
1,700.00	7.94	263.77	1,688.28	-19.00	-174.07	175.05	0.00	0.00	0.00
1,800.00	7.94	263.77	1,787.32	-20.50	-187.79	188.86	0.00	0.00	0.00
1,900.00	7.94	263.77	1,886.36	-22.00	-201.52	202.67	0.00	0.00	0.00
2,000.00	7.94	263.77	1,985.40	-23.50	-215.25	216.47	0.00	0.00	0.00
2,100.00	7.94	263.77	2,084.44	-24.99	-228.98	230.28	0.00	0.00	0.00
2,200.00	7.94	263.77	2,183.48	-26.49	-242.71	244.09	0.00	0.00	0.00
2,300.00	7.94	263.77	2,282.53	-27.99	-256.44	257.89	0.00	0.00	0.00
2,400.00	7.94	263.77	2,381.57	-29.49	-270.16	271.70	0.00	0.00	0.00
2,500.00	7.94	263.77	2,480.61	-30.99	-283.89	285.51	0.00	0.00	0.00
2,600.00	7.94	263.77	2,579.65	-32.49	-297.62	299.31	0.00	0.00	0.00
2,700.00	7.94	263.77	2,678.69	-33.99	-311.35	313.12	0.00	0.00	0.00
2,800.00	7.94	263.77	2,777.74	-35.48	-325.08	326.92	0.00	0.00	0.00
2,900.00	7.94	263.77	2,876.78	-36.98	-338.81	340.73	0.00	0.00	0.00
3,000.00	7.94	263.77	2,975.82	-38.48	-352.54	354.54	0.00	0.00	0.00
3,100.00	7.94	263.77	3,074.86	-39.98	-366.26	368.34	0.00	0.00	0.00
3,200.00	7.94	263.77	3,173.90	-41.48	-379.99	382.15	0.00	0.00	0.00
3,288.95	7.94	263.77	3,262.00	-42.81	-392.20	394.43	0.00	0.00	0.00
WASATCH.NPC									
3,300.00	7.94	263.77	3,272.94	-42.98	-393.72	395.96	0.00	0.00	0.00
3,400.00	7.94	263.77	3,371.99	-44.48	-407.45	409.76	0.00	0.00	0.00
3,500.00	7.94	263.77	3,471.03	-45.97	-421.18	423.57	0.00	0.00	0.00
3,600.00	7.94	263.77	3,570.07	-47.47	-434.91	437.38	0.00	0.00	0.00
3,700.00	7.94	263.77	3,669.11	-48.97	-448.63	451.18	0.00	0.00	0.00
3,800.00	7.94	263.77	3,768.15	-50.47	-462.36	464.99	0.00	0.00	0.00
3,900.00	7.94	263.77	3,867.20	-51.97	-476.09	478.80	0.00	0.00	0.00
4,000.00	7.94	263.77	3,966.24	-53.47	-489.82	492.60	0.00	0.00	0.00
4,100.00	7.94	263.77	4,065.28	-54.97	-503.55	506.41	0.00	0.00	0.00
4,200.00	7.94	263.77	4,164.32	-56.46	-517.28	520.21	0.00	0.00	0.00
4,300.00	7.94	263.77	4,263.36	-57.96	-531.01	534.02	0.00	0.00	0.00
4,400.00	7.94	263.77	4,362.40	-59.46	-544.73	547.83	0.00	0.00	0.00
4,500.00	7.94	263.77	4,461.45	-60.96	-558.46	561.63	0.00	0.00	0.00
4,600.00	7.94	263.77	4,560.49	-62.46	-572.19	575.44	0.00	0.00	0.00
4,700.00	7.94	263.77	4,659.53	-63.96	-585.92	589.25	0.00	0.00	0.00
4,800.00	7.94	263.77	4,758.57	-65.46	-599.65	603.05	0.00	0.00	0.00
4,900.00	7.94	263.77	4,857.61	-66.95	-613.38	616.86	0.00	0.00	0.00

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14B-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 14B-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)
5,000.00	7.94	263.77	4,956.66	-68.45	-627.10	630.67	0.00	0.00	0.00
5,100.00	7.94	263.77	5,055.70	-69.95	-640.83	644.47	0.00	0.00	0.00
5,200.00	7.94	263.77	5,154.74	-71.45	-654.56	658.28	0.00	0.00	0.00
5,300.00	7.94	263.77	5,253.78	-72.95	-668.29	672.09	0.00	0.00	0.00
5,400.00	7.94	263.77	5,352.82	-74.45	-682.02	685.89	0.00	0.00	0.00
5,500.00	7.94	263.77	5,451.86	-75.95	-695.75	699.70	0.00	0.00	0.00
5,600.00	7.94	263.77	5,550.91	-77.44	-709.48	713.50	0.00	0.00	0.00
5,700.00	7.94	263.77	5,649.95	-78.94	-723.20	727.31	0.00	0.00	0.00
5,712.17	7.94	263.77	5,662.00	-79.12	-724.87	728.99	0.00	0.00	0.00
WASATCH_G.NPC									
5,800.00	7.94	263.77	5,748.99	-80.44	-736.93	741.12	0.00	0.00	0.00
5,900.00	7.94	263.77	5,848.03	-81.94	-750.66	754.92	0.00	0.00	0.00
6,000.00	7.94	263.77	5,947.07	-83.44	-764.39	768.73	0.00	0.00	0.00
6,100.00	7.94	263.77	6,046.12	-84.94	-778.12	782.54	0.00	0.00	0.00
6,200.00	7.94	263.77	6,145.16	-86.44	-791.85	796.34	0.00	0.00	0.00
6,300.00	7.94	263.77	6,244.20	-87.93	-805.57	810.15	0.00	0.00	0.00
6,400.00	7.94	263.77	6,343.24	-89.43	-819.30	823.96	0.00	0.00	0.00
6,419.95	7.94	263.77	6,363.00	-89.73	-822.04	826.71	0.00	0.00	0.00
FORT_UNION.NPC									
6,500.00	7.94	263.77	6,442.28	-90.93	-833.03	837.76	0.00	0.00	0.00
6,600.00	7.94	263.77	6,541.32	-92.43	-846.76	851.57	0.00	0.00	0.00
6,700.00	7.94	263.77	6,640.37	-93.93	-860.49	865.38	0.00	0.00	0.00
6,800.00	7.94	263.77	6,739.41	-95.43	-874.22	879.18	0.00	0.00	0.00
6,900.00	7.94	263.77	6,838.45	-96.92	-887.95	892.99	0.00	0.00	0.00
7,000.00	7.94	263.77	6,937.49	-98.42	-901.67	906.80	0.00	0.00	0.00
7,100.00	7.94	263.77	7,036.53	-99.92	-915.40	920.60	0.00	0.00	0.00
7,200.00	7.94	263.77	7,135.58	-101.42	-929.13	934.41	0.00	0.00	0.00
7,300.00	7.94	263.77	7,234.62	-102.92	-942.86	948.21	0.00	0.00	0.00
7,400.00	7.94	263.77	7,333.66	-104.42	-956.59	962.02	0.00	0.00	0.00
7,500.00	7.94	263.77	7,432.70	-105.92	-970.32	975.83	0.00	0.00	0.00
7,600.00	7.94	263.77	7,531.74	-107.41	-984.04	989.63	0.00	0.00	0.00
7,700.00	7.94	263.77	7,630.79	-108.91	-997.77	1,003.44	0.00	0.00	0.00
7,800.00	7.94	263.77	7,729.83	-110.41	-1,011.50	1,017.25	0.00	0.00	0.00
7,900.00	7.94	263.77	7,828.87	-111.91	-1,025.23	1,031.05	0.00	0.00	0.00
8,000.00	7.94	263.77	7,927.91	-113.41	-1,038.96	1,044.86	0.00	0.00	0.00
8,100.00	7.94	263.77	8,026.95	-114.91	-1,052.69	1,058.67	0.00	0.00	0.00
8,200.00	7.94	263.77	8,125.99	-116.41	-1,066.42	1,072.47	0.00	0.00	0.00
8,300.00	7.94	263.77	8,225.04	-117.90	-1,080.14	1,086.28	0.00	0.00	0.00
8,311.32	7.94	263.77	8,236.25	-118.07	-1,081.70	1,087.84	0.00	0.00	0.00
Begin 3.00° Drop									
8,346.37	6.89	263.77	8,271.00	-118.56	-1,086.19	1,092.36	3.00	-3.00	0.00
OHIO_CREEK.NPC									
8,400.00	5.28	263.77	8,324.33	-119.18	-1,091.84	1,098.04	3.00	-3.00	0.00
8,500.00	2.28	263.77	8,424.10	-119.90	-1,098.39	1,104.63	3.00	-3.00	0.00
8,575.92	0.00	0.00	8,500.00	-120.06	-1,099.89	1,106.14	3.00	-3.00	0.00
Hold Vertical, Begin 2.00° Turn									
8,600.00	0.48	240.02	8,524.08	-120.11	-1,099.98	1,106.23	2.00	2.00	0.00
8,629.09	1.06	240.02	8,553.17	-120.31	-1,100.32	1,106.59	2.00	2.00	0.00
Hold 1.06 Inc at 240.00 Azm									
8,700.00	1.06	240.02	8,624.07	-120.96	-1,101.46	1,107.81	0.00	0.00	0.00
8,713.94	1.06	240.02	8,638.00	-121.09	-1,101.68	1,108.05	0.00	0.00	0.00
WILLIAMS_FORK.NPC									
8,763.94	1.06	240.02	8,688.00	-121.56	-1,102.49	1,108.91	0.00	0.00	0.00



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well ELU J14 FED 14B-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 14B-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									
8,800.00	1.06	240.02	8,724.05	-121.89	-1,103.06	1,109.52	0.00	0.00	0.00
8,900.00	1.06	240.02	8,824.03	-122.82	-1,104.67	1,111.24	0.00	0.00	0.00
9,000.00	1.06	240.02	8,924.01	-123.75	-1,106.28	1,112.95	0.00	0.00	0.00
9,100.00	1.06	240.02	9,024.00	-124.67	-1,107.89	1,114.67	0.00	0.00	0.00
9,200.00	1.06	240.02	9,123.98	-125.60	-1,109.49	1,116.39	0.00	0.00	0.00
9,300.00	1.06	240.02	9,223.96	-126.53	-1,111.10	1,118.10	0.00	0.00	0.00
9,400.00	1.06	240.02	9,323.95	-127.46	-1,112.71	1,119.82	0.00	0.00	0.00
9,500.00	1.06	240.02	9,423.93	-128.38	-1,114.32	1,121.53	0.00	0.00	0.00
9,600.00	1.06	240.02	9,523.91	-129.31	-1,115.92	1,123.25	0.00	0.00	0.00
9,700.00	1.06	240.02	9,623.89	-130.24	-1,117.53	1,124.96	0.00	0.00	0.00
9,800.00	1.06	240.02	9,723.88	-131.17	-1,119.14	1,126.68	0.00	0.00	0.00
9,900.00	1.06	240.02	9,823.86	-132.09	-1,120.75	1,128.39	0.00	0.00	0.00
10,000.00	1.06	240.02	9,923.84	-133.02	-1,122.35	1,130.11	0.00	0.00	0.00
10,100.00	1.06	240.02	10,023.83	-133.95	-1,123.96	1,131.82	0.00	0.00	0.00
10,200.00	1.06	240.02	10,123.81	-134.88	-1,125.57	1,133.54	0.00	0.00	0.00
10,300.00	1.06	240.02	10,223.79	-135.80	-1,127.18	1,135.25	0.00	0.00	0.00
10,400.00	1.06	240.02	10,323.77	-136.73	-1,128.78	1,136.97	0.00	0.00	0.00
10,500.00	1.06	240.02	10,423.76	-137.66	-1,130.39	1,138.68	0.00	0.00	0.00
10,600.00	1.06	240.02	10,523.74	-138.59	-1,132.00	1,140.40	0.00	0.00	0.00
10,700.00	1.06	240.02	10,623.72	-139.51	-1,133.61	1,142.11	0.00	0.00	0.00
10,800.00	1.06	240.02	10,723.70	-140.44	-1,135.21	1,143.83	0.00	0.00	0.00
10,900.00	1.06	240.02	10,823.69	-141.37	-1,136.82	1,145.54	0.00	0.00	0.00
11,000.00	1.06	240.02	10,923.67	-142.30	-1,138.43	1,147.26	0.00	0.00	0.00
11,100.00	1.06	240.02	11,023.65	-143.22	-1,140.04	1,148.97	0.00	0.00	0.00
11,177.36	1.06	240.02	11,101.00	-143.94	-1,141.28	1,150.30	0.00	0.00	0.00
CAMEO.NPC									
11,200.00	1.06	240.02	11,123.64	-144.15	-1,141.64	1,150.69	0.00	0.00	0.00
11,300.00	1.06	240.02	11,223.62	-145.08	-1,143.25	1,152.41	0.00	0.00	0.00
11,400.00	1.06	240.02	11,323.60	-146.01	-1,144.86	1,154.12	0.00	0.00	0.00
11,500.00	1.06	240.02	11,423.58	-146.93	-1,146.47	1,155.84	0.00	0.00	0.00
11,600.00	1.06	240.02	11,523.57	-147.86	-1,148.07	1,157.55	0.00	0.00	0.00
11,700.00	1.06	240.02	11,623.55	-148.79	-1,149.68	1,159.27	0.00	0.00	0.00
11,800.00	1.06	240.02	11,723.53	-149.72	-1,151.29	1,160.98	0.00	0.00	0.00
11,900.00	1.06	240.02	11,823.52	-150.64	-1,152.90	1,162.70	0.00	0.00	0.00
11,954.49	1.06	240.02	11,878.00	-151.15	-1,153.77	1,163.63	0.00	0.00	0.00
ROLLINS.NPC									
12,000.00	1.06	240.02	11,923.50	-151.57	-1,154.50	1,164.41	0.00	0.00	0.00
12,100.00	1.06	240.02	12,023.48	-152.50	-1,156.11	1,166.13	0.00	0.00	0.00
12,154.53	1.06	240.02	12,078.00	-153.01	-1,156.99	1,167.06	0.00	0.00	0.00
TD at 12154.53									

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 14B-1-	0.00	0.00	12,078.00	-153.01	-1,156.99	14,429,772.50	2,444,920.80	39.700368	-108.140052
- hit/miss target									
- 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 14B-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 14B-14 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,288.95	3,262.00	WASATCH.NPC				
5,712.17	5,662.00	WASATCH_G.NPC				
6,419.95	6,363.00	FORT_UNION.NPC				
8,346.37	8,271.00	OHIO_CREEK.NPC				
8,713.94	8,638.00	WILLIAMS_FORK.NPC				
8,763.94	8,688.00	TOP_GAS.NPC				
11,177.36	11,101.00	CAMEO.NPC				
11,954.49	11,878.00	ROLLINS.NPC		0.00		
12,154.53	12,078.00	TD.MBL		0.00		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.00	300.00	0.00	0.00	Begin 3.00° Build
564.60	563.75	-1.99	-18.19	Hold 7.94 Inc at 263.77 Azm
8,311.32	8,236.25	-118.07	-1,081.70	Begin 3.00° Drop
8,575.92	8,500.00	-120.06	-1,099.89	Hold Vertical, Begin 2.00° Turn
8,629.09	8,553.17	-120.31	-1,100.32	Hold 1.06 Inc at 240.00 Azm
12,154.53	12,078.00	-153.01	-1,156.99	TD at 12154.53