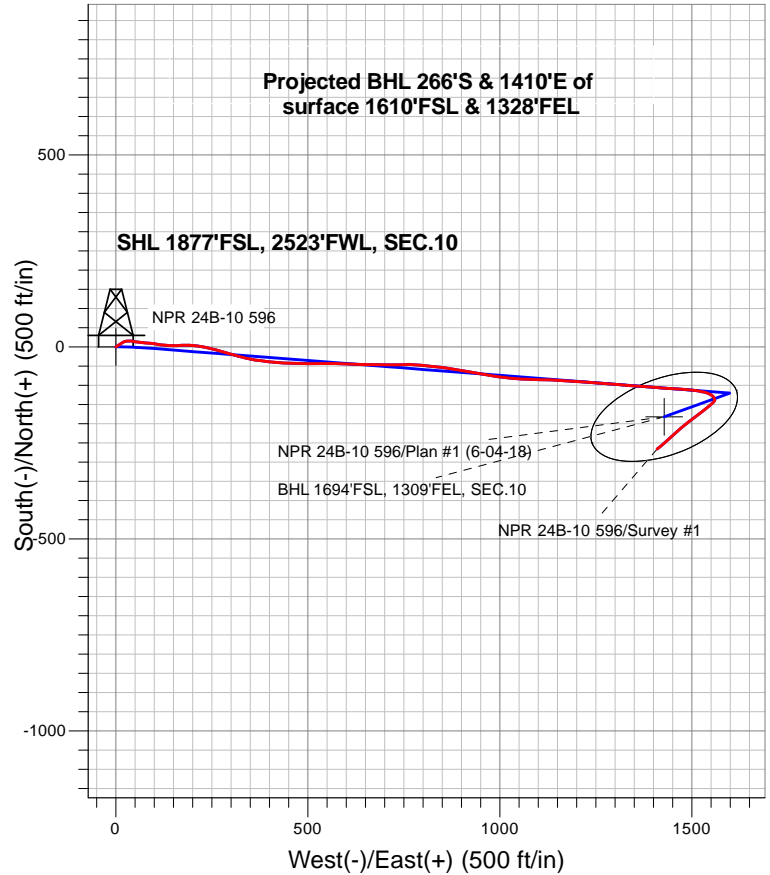


Caerus Oil and Gas LLC



LEGEND

- NPR 24B-10 596, NPR 24B-10 596 Wellbore #1, Plan #1 (6-04-18) V0
- NPR 24B-10 596 Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
9,802'MD & 9558' TVD @ 1393.24'VS
9.8 deg Inc 231.5 deg AZ

Project: SEC.10-T5S-R96W
 Site: K10 596 Pad Sec.10-T5S-R96W
 Well: NPR 24B-10 596
 Plan: NPR 24B-10 596 Wellbore #1



Caerus Oil and Gas LLC

SEC.10-T5S-R96W

K10 596 Pad Sec.10-T5S-R96W

NPR 24B-10 596

NPR 24B-10 596 Wellbore #1

Survey: Survey #1

Standard Survey Report

12 June, 2018

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 24B-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 24B-10 596	North Reference:	True
Wellbore:	NPR 24B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 24B-10 596 Wellbore #1	Database:	US_EDM

Project	SEC.10-T5S-R96W, Garfield County, CO		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		Using Well Reference Point
Map Zone:	Zone 12N (114 W to 108 W)		Using geodetic scale factor

Site	K10 596 Pad Sec.10-T5S-R96W				
Site Position:		Northing:	14,403,140.13 usft	Latitude:	39.627619 °
From:	Lat/Long	Easting:	2,441,439.81 usft	Longitude:	-108.175411 °
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	1.82 °

Well	NPR 24B-10 596					
Well Position	+N/-S	0.0 ft	Northing:	14,403,100.91 usft	Latitude:	39.627506
	+E/-W	0.0 ft	Easting:	2,441,502.80 usft	Longitude:	-108.155192
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	6,709.0 ft

Wellbore					
NPR 24B-10 596 Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	6/4/2018	9.58	65.83	51,466

Design	NPR 24B-10 596 Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	97.27	

Survey Program		Date	6/12/2018		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
130.0	9,802.0	Survey #1 (NPR 24B-10 596 Wellbore #1)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 1877'FSL, 2523'FWL, SEC.10									
130.0	0.00	0.00	130.0	0.0	0.0	0.0	0.00	0.00	0.00
302.0	5.70	57.80	301.7	4.6	7.2	6.6	3.31	3.31	0.00
395.0	7.30	56.30	394.1	10.3	16.1	14.6	1.73	1.72	-1.61
487.0	7.70	76.00	485.3	15.0	26.9	24.8	2.81	0.43	21.41
579.0	7.60	97.90	576.5	15.7	38.9	36.6	3.15	-0.11	23.80
672.0	7.10	102.80	668.8	13.6	50.6	48.5	0.86	-0.54	5.27
764.0	7.30	95.90	760.1	11.7	62.0	60.0	0.96	0.22	-7.50
857.0	10.10	93.70	852.0	10.6	76.0	74.0	3.03	3.01	-2.37

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Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 24B-10 596	North Reference:	True
Wellbore:	NPR 24B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 24B-10 596 Wellbore #1	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
948.0	12.60	97.70	941.2	8.7	93.8	91.9	2.88	2.75	4.40
1,043.0	15.30	98.10	1,033.4	5.6	116.5	114.8	2.84	2.84	0.42
1,137.0	16.40	90.60	1,123.8	3.7	142.0	140.4	2.47	1.17	-7.98
1,231.0	12.90	89.00	1,214.7	3.7	165.8	164.0	3.75	-3.72	-1.70
1,326.0	12.00	89.70	1,307.5	4.0	186.3	184.3	0.96	-0.95	0.74
1,421.0	15.70	95.10	1,399.7	2.9	209.0	206.9	4.12	3.89	5.68
1,515.0	19.10	103.30	1,489.4	-1.8	236.6	234.9	4.45	3.62	8.72
1,609.0	21.70	105.70	1,577.5	-10.0	268.3	267.4	2.91	2.77	2.55
1,703.0	22.90	105.80	1,664.5	-19.7	302.6	302.7	1.28	1.28	0.11
1,798.0	23.20	103.20	1,751.9	-29.0	338.6	339.6	1.12	0.32	-2.74
1,893.0	21.90	98.10	1,839.7	-35.8	374.4	375.9	2.47	-1.37	-5.37
1,987.0	21.80	95.10	1,926.9	-39.8	409.1	410.9	1.19	-0.11	-3.19
2,081.0	20.20	93.30	2,014.7	-42.3	442.7	444.5	1.84	-1.70	-1.91
2,176.0	19.20	90.90	2,104.1	-43.5	474.7	476.4	1.35	-1.05	-2.53
2,270.0	19.60	90.00	2,192.8	-43.7	505.9	507.4	0.53	0.43	-0.96
2,365.0	20.50	89.90	2,282.0	-43.7	538.5	539.7	0.95	0.95	-0.11
2,459.0	21.10	90.10	2,369.9	-43.7	571.9	572.8	0.64	0.64	0.21
2,553.0	21.00	92.00	2,457.6	-44.3	605.6	606.4	0.73	-0.11	2.02
2,646.0	21.00	92.20	2,544.4	-45.5	639.0	639.6	0.08	0.00	0.22
2,742.0	20.00	91.00	2,634.4	-46.5	672.6	673.0	1.13	-1.04	-1.25
2,837.0	18.90	90.00	2,723.9	-46.8	704.2	704.5	1.21	-1.16	-1.05
2,864.0	19.20	90.50	2,749.5	-46.8	713.0	713.2	1.26	1.11	1.85
2,965.0	20.00	87.50	2,844.6	-46.2	746.9	746.7	1.27	0.79	-2.97
3,059.0	18.90	93.70	2,933.2	-46.5	778.1	777.8	2.49	-1.17	6.60
3,153.0	17.50	96.30	3,022.5	-49.0	807.4	807.1	1.72	-1.49	2.77
3,248.0	16.90	96.10	3,113.3	-52.1	835.3	835.2	0.63	-0.63	-0.21
3,342.0	18.00	98.40	3,203.0	-55.6	863.2	863.4	1.38	1.17	2.45
3,436.0	17.90	99.70	3,292.4	-60.2	891.9	892.3	0.44	-0.11	1.38
3,531.0	17.30	100.20	3,382.9	-65.1	920.1	921.0	0.65	-0.63	0.53
3,625.0	18.50	99.60	3,472.4	-70.1	948.6	949.9	1.29	1.28	-0.64
3,720.0	18.70	99.60	3,562.4	-75.2	978.5	980.1	0.21	0.21	0.00
3,814.0	19.50	96.50	3,651.3	-79.5	1,008.9	1,010.9	1.37	0.85	-3.30
3,909.0	19.50	93.70	3,740.8	-82.3	1,040.5	1,042.6	0.98	0.00	-2.95
4,003.0	19.20	93.20	3,829.5	-84.1	1,071.6	1,073.6	0.36	-0.32	-0.53
4,098.0	18.40	91.70	3,919.4	-85.5	1,102.2	1,104.1	0.98	-0.84	-1.58
4,192.0	17.80	90.40	4,008.8	-86.0	1,131.4	1,133.2	0.77	-0.64	-1.38
4,286.0	18.70	94.10	4,098.1	-87.2	1,160.8	1,162.5	1.56	0.96	3.94
4,380.0	17.80	94.60	4,187.3	-89.4	1,190.1	1,191.9	0.97	-0.96	0.53
4,475.0	15.60	93.80	4,278.3	-91.4	1,217.4	1,219.1	2.33	-2.32	-0.84
4,570.0	13.80	93.70	4,370.2	-93.0	1,241.4	1,243.2	1.89	-1.89	-0.11
4,664.0	14.80	95.10	4,461.3	-94.8	1,264.6	1,266.4	1.13	1.06	1.49
4,759.0	14.30	94.40	4,553.2	-96.8	1,288.3	1,290.2	0.56	-0.53	-0.74
4,854.0	14.10	95.30	4,645.3	-98.7	1,311.6	1,313.5	0.31	-0.21	0.95

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Well:	NPR 24B-10 596	North Reference:	True
Wellbore:	NPR 24B-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 24B-10 596 Wellbore #1	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,948.0	13.70	94.50	4,736.6	-100.7	1,334.1	1,336.1	0.47	-0.43	-0.85
5,043.0	13.50	92.70	4,828.9	-102.1	1,356.3	1,358.4	0.49	-0.21	-1.89
5,137.0	13.10	94.90	4,920.4	-103.5	1,377.9	1,379.9	0.69	-0.43	2.34
5,232.0	12.60	94.60	5,013.0	-105.3	1,399.0	1,401.1	0.53	-0.53	-0.32
5,326.0	11.90	93.20	5,104.9	-106.6	1,418.9	1,421.0	0.81	-0.74	-1.49
5,421.0	11.60	94.60	5,197.9	-107.9	1,438.2	1,440.3	0.44	-0.32	1.47
5,515.0	10.80	93.10	5,290.1	-109.2	1,456.4	1,458.5	0.91	-0.85	-1.60
5,609.0	10.50	95.00	5,382.5	-110.4	1,473.7	1,475.8	0.49	-0.32	2.02
5,704.0	10.60	92.30	5,475.9	-111.5	1,491.1	1,493.2	0.53	0.11	-2.84
5,798.0	8.20	100.20	5,568.6	-113.0	1,506.3	1,508.5	2.89	-2.55	8.40
5,893.0	7.30	100.20	5,662.7	-115.3	1,518.9	1,521.3	0.95	-0.95	0.00
5,987.0	5.70	101.50	5,756.1	-117.3	1,529.4	1,531.9	1.71	-1.70	1.38
6,082.0	4.90	106.70	5,850.7	-119.4	1,537.9	1,540.6	0.98	-0.84	5.47
6,177.0	3.50	112.90	5,945.5	-121.7	1,544.4	1,547.4	1.55	-1.47	6.53
6,271.0	2.30	130.90	6,039.4	-124.0	1,548.5	1,551.8	1.59	-1.28	19.15
6,366.0	1.90	122.40	6,134.3	-126.1	1,551.3	1,554.8	0.53	-0.42	-8.95
6,460.0	1.90	130.00	6,228.2	-128.0	1,553.8	1,557.5	0.27	0.00	8.09
6,649.0	1.60	153.60	6,417.2	-132.3	1,557.4	1,561.6	0.41	-0.16	12.49
6,743.0	1.50	158.00	6,511.1	-134.7	1,558.4	1,562.9	0.17	-0.11	4.68
6,838.0	0.80	153.00	6,606.1	-136.4	1,559.2	1,563.9	0.74	-0.74	-5.26
6,932.0	0.70	174.10	6,700.1	-137.6	1,559.5	1,564.4	0.31	-0.11	22.45
7,027.0	0.20	232.00	6,795.1	-138.2	1,559.5	1,564.4	0.65	-0.53	60.95
7,122.0	0.00	0.00	6,890.1	-138.3	1,559.3	1,564.3	0.21	-0.21	0.00
7,310.0	0.30	198.00	7,078.1	-138.8	1,559.2	1,564.2	0.16	0.16	0.00
7,500.0	0.10	99.60	7,268.1	-139.3	1,559.2	1,564.3	0.17	-0.11	-51.79
7,595.0	0.10	153.00	7,363.1	-139.4	1,559.3	1,564.4	0.09	0.00	56.21
7,689.0	0.10	148.20	7,457.1	-139.5	1,559.4	1,564.5	0.01	0.00	-5.11
7,973.0	1.70	220.10	7,741.0	-143.0	1,556.8	1,562.4	0.59	0.56	25.32
8,068.0	1.50	223.60	7,836.0	-144.9	1,555.0	1,560.9	0.23	-0.21	3.68
8,162.0	2.00	227.70	7,930.0	-146.9	1,553.0	1,559.1	0.55	0.53	4.36
8,257.0	2.70	230.50	8,024.9	-149.5	1,550.0	1,556.5	0.75	0.74	2.95
8,351.0	3.20	226.30	8,118.8	-152.7	1,546.4	1,553.3	0.58	0.53	-4.47
8,635.0	5.00	232.70	8,402.0	-165.7	1,530.8	1,539.5	0.65	0.63	2.25
9,108.0	7.10	232.70	8,872.4	-195.9	1,491.2	1,504.0	0.44	0.44	0.00
9,297.0	8.70	229.40	9,059.6	-212.3	1,471.0	1,486.1	0.88	0.85	-1.75
9,581.0	9.50	227.10	9,340.0	-242.2	1,437.6	1,456.6	0.31	0.28	-0.81
9,675.0	9.30	229.30	9,432.7	-252.4	1,426.1	1,446.6	0.44	-0.21	2.34
9,732.0	9.80	231.50	9,488.9	-258.5	1,418.8	1,440.1	1.09	0.88	3.86
9,790.7	9.80	231.50	9,546.8	-264.7	1,411.0	1,433.2	0.00	0.00	0.00
BHL 1694'FSL, 1309'FEL, SEC.10									
9,802.0	9.80	231.50	9,557.9	-265.9	1,409.5	1,431.8	0.00	0.00	0.00

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Design:	NPR 24B-10 596 Wellbore #1	Database:	US_EDM

Checked By: _____	Approved By: _____	Date: _____
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