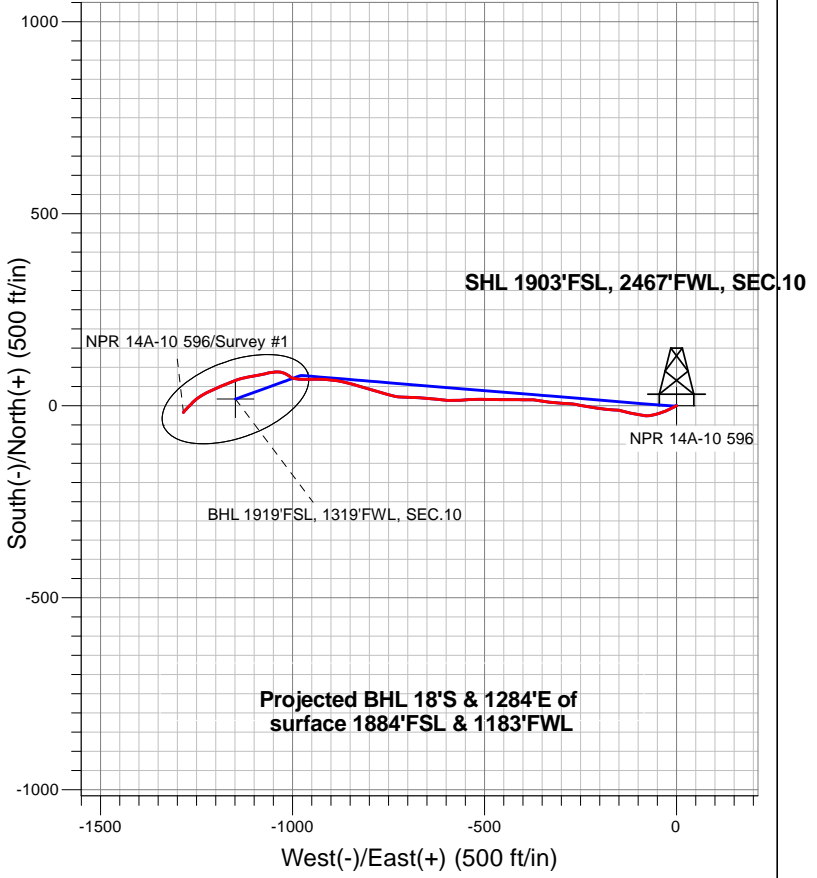
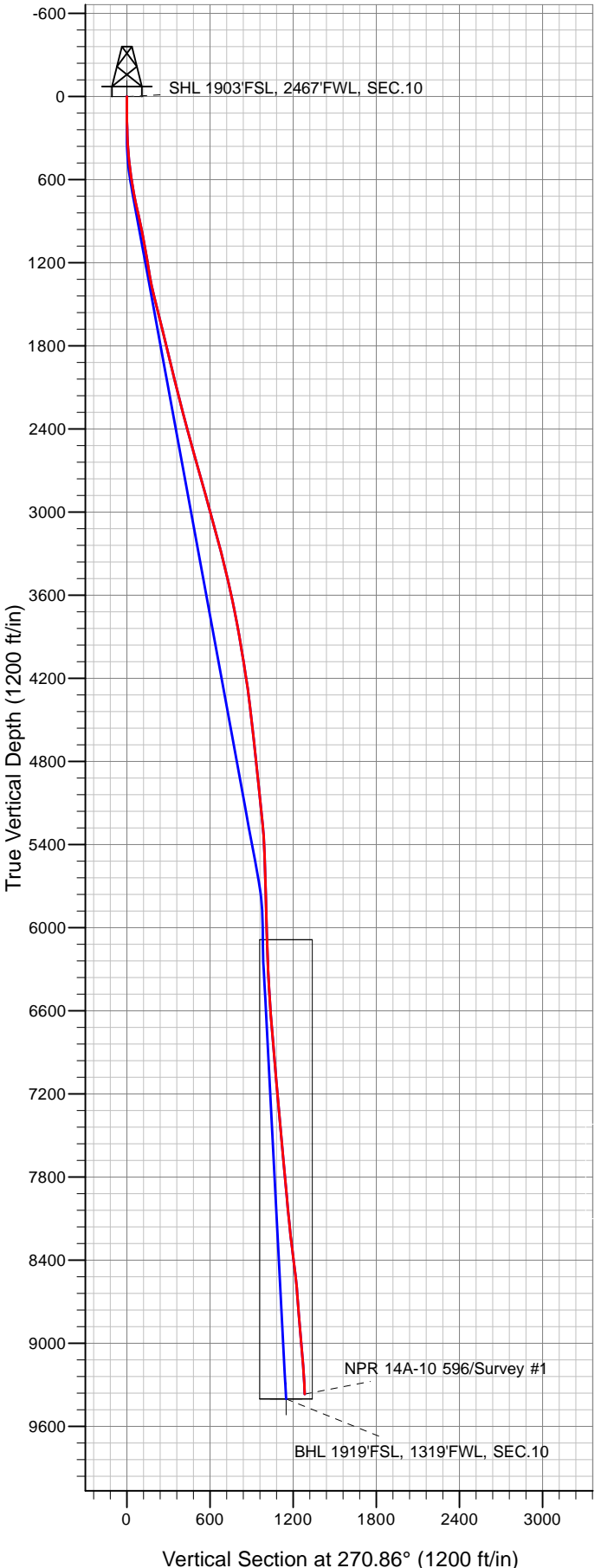


Caerus Oil and Gas LLC



LEGEND

- NPR 14A-10 596, NPR 14A-10 596 Wellbore #1, Plan #1 (6-19-18) V0
- NPR 14A-10 596 Wellbore #1
- Survey #1

Final Survey Plot

**Projected Final Survey -
 9,490'MD & 9367' TVD @ 1221.35'VS
 4.60 deg Inc 219.0 deg AZ**

Project: SEC.10-T5S-R96W
 Site: K10 596 Pad Sec.10-T5S-R96W
 Well: NPR 14A-10 596
 Plan: NPR 14A-10 596 Wellbore #1



Directional

Caerus Oil and Gas LLC

SEC.10-T5S-R96W

K10 596 Pad Sec.10-T5S-R96W

NPR 14A-10 596

NPR 14A-10 596 Wellbore #1

Survey: Survey #1

Standard Survey Report

29 June, 2018

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 14A-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 14A-10 596	North Reference:	True
Wellbore:	NPR 14A-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 14A-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:	-108.155411
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	1.82 °

Well	NPR 14A-10 596					
Well Position	+N/-S	0.0 ft	Northing:	14,403,124.33 usft	Latitude:	39.627575
	+E/-W	0.0 ft	Easting:	2,441,447.36 usft	Longitude:	-108.155386
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	6,709.0 ft

Wellbore	NPR 14A-10 596 Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/19/2018	9.53	65.62	51,589

Design	NPR 14A-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	270.86	

Survey Program	Date	6/29/2018			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
130.0	9,490.0	Survey #1 (NPR 14A-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 1903'FSL, 2467'FWL, SEC.10										
130.0	0.00	0.00	130.0	0.0	0.0	0.0	0.00	0.00	0.00	
480.0	6.40	243.10	479.3	-8.8	-17.4	17.3	1.83	1.83	0.00	
572.0	9.40	248.00	570.4	-14.0	-29.0	28.7	3.34	3.26	5.33	
665.0	10.80	251.40	661.9	-19.6	-44.3	44.0	1.64	1.51	3.66	
757.0	11.60	257.50	752.2	-24.3	-61.5	61.1	1.55	0.87	6.63	
850.0	12.60	271.30	843.1	-26.1	-80.7	80.3	3.28	1.08	14.84	
1,036.0	11.60	288.50	1,025.1	-19.7	-118.8	118.5	2.00	-0.54	9.25	
1,224.0	8.80	277.60	1,210.1	-11.8	-150.9	150.8	1.80	-1.49	-5.80	

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Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Well:	NPR 14A-10 596	North Reference:	True
Wellbore:	NPR 14A-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 14A-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)	
1,319.0	10.20	272.30	1,303.8	-10.5	-166.6	166.4	1.74	1.47	-5.58	
1,413.0	12.90	277.10	1,395.9	-8.9	-185.3	185.1	3.05	2.87	5.11	
1,508.0	14.30	277.60	1,488.2	-6.0	-207.4	207.3	1.48	1.47	0.53	
1,603.0	14.10	278.20	1,580.3	-2.8	-230.5	230.5	0.26	-0.21	0.63	
1,697.0	13.80	283.90	1,671.6	1.5	-252.7	252.7	1.50	-0.32	6.06	
1,791.0	14.10	274.10	1,762.8	5.0	-275.0	275.1	2.53	0.32	-10.43	
1,885.0	14.00	274.00	1,854.0	6.6	-297.8	297.9	0.11	-0.11	-0.11	
1,980.0	13.40	274.40	1,946.3	8.2	-320.3	320.3	0.64	-0.63	0.42	
2,075.0	13.80	279.20	2,038.6	10.9	-342.4	342.5	1.26	0.42	5.05	
2,169.0	13.90	278.20	2,129.9	14.3	-364.7	364.8	0.28	0.11	-1.06	
2,263.0	14.60	267.90	2,221.0	15.5	-387.7	387.9	2.79	0.74	-10.96	
2,358.0	15.10	274.80	2,312.8	16.1	-412.0	412.2	1.93	0.53	7.26	
2,452.0	15.20	264.80	2,403.6	16.0	-436.4	436.6	2.78	0.11	-10.64	
2,547.0	15.40	274.20	2,495.2	15.8	-461.4	461.6	2.62	0.21	9.89	
2,641.0	15.30	269.10	2,585.9	16.5	-486.3	486.5	1.44	-0.11	-5.43	
2,736.0	15.30	271.80	2,677.5	16.7	-511.3	511.5	0.75	0.00	2.84	
2,830.0	16.00	267.60	2,768.0	16.5	-536.7	536.9	1.42	0.74	-4.47	
2,924.0	15.50	262.20	2,858.5	14.3	-562.1	562.2	1.65	-0.53	-5.74	
3,052.0	16.00	276.90	2,981.8	14.1	-596.5	596.7	3.13	0.39	11.48	
3,147.0	15.50	275.70	3,073.2	16.9	-622.2	622.4	0.63	-0.53	-1.26	
3,241.0	15.00	274.50	3,163.9	19.1	-646.8	647.0	0.63	-0.53	-1.28	
3,336.0	14.20	273.30	3,255.8	20.8	-670.7	670.9	0.90	-0.84	-1.26	
3,430.0	13.90	271.60	3,347.0	21.7	-693.5	693.7	0.54	-0.32	-1.81	
3,524.0	13.60	272.20	3,438.3	22.5	-715.8	716.1	0.35	-0.32	0.64	
3,619.0	12.70	283.20	3,530.8	25.3	-737.1	737.4	2.79	-0.95	11.58	
3,713.0	12.60	286.30	3,622.5	30.5	-757.1	757.4	0.73	-0.11	3.30	
3,808.0	11.80	286.40	3,715.4	36.2	-776.3	776.8	0.84	-0.84	0.11	
3,902.0	10.90	286.60	3,807.6	41.4	-794.1	794.6	0.96	-0.96	0.21	
3,996.0	10.30	286.10	3,900.0	46.3	-810.6	811.2	0.65	-0.64	-0.53	
4,091.0	9.90	287.10	3,993.5	51.1	-826.6	827.3	0.46	-0.42	1.05	
4,185.0	9.70	285.30	4,086.1	55.5	-842.0	842.7	0.39	-0.21	-1.91	
4,280.0	8.90	283.90	4,179.9	59.4	-856.8	857.6	0.88	-0.84	-1.47	
4,374.0	8.20	281.90	4,272.8	62.5	-870.4	871.3	0.81	-0.74	-2.13	
4,469.0	7.30	279.00	4,367.0	64.9	-883.0	883.9	1.03	-0.95	-3.05	
4,564.0	6.70	276.30	4,461.2	66.4	-894.5	895.4	0.72	-0.63	-2.84	
4,658.0	6.30	274.80	4,554.6	67.5	-905.1	906.0	0.46	-0.43	-1.60	
4,753.0	6.20	274.00	4,649.1	68.3	-915.4	916.3	0.14	-0.11	-0.84	
4,847.0	6.10	272.50	4,742.5	68.8	-925.5	926.4	0.20	-0.11	-1.60	
4,942.0	6.00	271.50	4,837.0	69.2	-935.5	936.4	0.15	-0.11	-1.05	
5,036.0	6.10	269.20	4,930.5	69.2	-945.4	946.3	0.28	0.11	-2.45	
5,131.0	6.10	269.40	5,024.9	69.1	-955.5	956.4	0.02	0.00	0.21	
5,225.0	5.80	267.70	5,118.4	68.9	-965.2	966.1	0.37	-0.32	-1.81	
5,320.0	5.90	270.30	5,212.9	68.7	-974.9	975.8	0.30	0.11	2.74	

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Well:	NPR 14A-10 596	North Reference:	True
Wellbore:	NPR 14A-10 596 Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	NPR 14A-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)	
5,414.0	4.70	275.80	5,306.5	69.1	-983.5	984.5	1.38	-1.28	5.85	
5,509.0	2.50	281.40	5,401.3	69.9	-989.4	990.4	2.34	-2.32	5.89	
5,603.0	2.10	277.60	5,495.3	70.6	-993.2	994.1	0.46	-0.43	-4.04	
5,697.0	2.00	277.20	5,589.2	71.0	-996.5	997.4	0.11	-0.11	-0.43	
5,792.0	1.80	288.40	5,684.2	71.7	-999.6	1,000.5	0.44	-0.21	11.79	
5,887.0	1.60	301.70	5,779.1	72.8	-1,002.1	1,003.1	0.46	-0.21	14.00	
5,981.5	1.50	297.30	5,873.6	74.1	-1,004.3	1,005.3	0.16	-0.11	-4.66	
6,076.0	1.40	310.00	5,968.1	75.4	-1,006.3	1,007.3	0.36	-0.11	13.44	
6,170.0	2.20	309.30	6,062.0	77.3	-1,008.6	1,009.6	0.85	0.85	-0.74	
6,359.0	3.00	297.90	6,250.8	81.9	-1,015.8	1,016.9	0.50	0.42	-6.03	
6,453.0	3.00	296.60	6,344.7	84.2	-1,020.1	1,021.3	0.07	0.00	-1.38	
6,548.0	3.60	285.80	6,439.5	86.1	-1,025.2	1,026.4	0.91	0.63	-11.37	
6,642.0	4.00	276.90	6,533.3	87.3	-1,031.3	1,032.5	0.76	0.43	-9.47	
6,737.0	4.00	276.90	6,628.1	88.1	-1,037.9	1,039.1	0.00	0.00	0.00	
6,831.0	4.70	263.40	6,721.8	88.0	-1,045.0	1,046.2	1.31	0.74	-14.36	
6,926.0	5.10	261.80	6,816.5	87.0	-1,053.0	1,054.2	0.44	0.42	-1.68	
7,020.0	4.90	260.70	6,910.1	85.7	-1,061.1	1,062.3	0.24	-0.21	-1.17	
7,115.0	4.70	256.70	7,004.8	84.2	-1,068.9	1,070.1	0.41	-0.21	-4.21	
7,210.0	4.90	256.00	7,099.4	82.3	-1,076.6	1,077.8	0.22	0.21	-0.74	
7,304.0	5.10	255.80	7,193.1	80.3	-1,084.6	1,085.7	0.21	0.21	-0.21	
7,399.0	5.00	258.70	7,287.7	78.5	-1,092.7	1,093.8	0.29	-0.11	3.05	
7,493.0	5.20	260.80	7,381.3	77.0	-1,101.0	1,102.0	0.29	0.21	2.23	
7,588.0	5.90	263.70	7,475.9	75.8	-1,110.1	1,111.1	0.79	0.74	3.05	
7,683.0	5.60	260.10	7,570.4	74.4	-1,119.5	1,120.5	0.49	-0.32	-3.79	
7,777.0	5.30	252.10	7,664.0	72.3	-1,128.1	1,129.1	0.87	-0.32	-8.51	
7,867.0	5.20	254.40	7,753.6	69.9	-1,136.0	1,136.9	0.26	-0.11	2.56	
7,962.0	5.30	251.10	7,848.2	67.3	-1,144.3	1,145.2	0.33	0.11	-3.47	
8,057.0	5.50	248.70	7,942.8	64.3	-1,152.7	1,153.5	0.32	0.21	-2.53	
8,151.0	5.90	251.20	8,036.3	61.1	-1,161.5	1,162.3	0.50	0.43	2.66	
8,245.0	6.50	247.10	8,129.8	57.4	-1,171.0	1,171.7	0.79	0.64	-4.36	
8,340.0	7.10	245.90	8,224.1	53.0	-1,181.3	1,181.9	0.65	0.63	-1.26	
8,434.0	7.80	244.70	8,317.3	47.9	-1,192.3	1,192.9	0.76	0.74	-1.28	
8,529.0	7.80	247.30	8,411.4	42.6	-1,204.1	1,204.6	0.37	0.00	2.74	
8,624.0	7.50	246.70	8,505.6	37.7	-1,215.8	1,216.2	0.33	-0.32	-0.63	
8,718.0	5.70	240.90	8,599.0	33.0	-1,225.5	1,225.8	2.04	-1.91	-6.17	
8,813.0	4.70	239.20	8,693.6	28.7	-1,232.9	1,233.2	1.06	-1.05	-1.79	
8,907.0	5.60	236.80	8,787.2	24.2	-1,240.1	1,240.3	0.98	0.96	-2.55	
9,002.0	6.10	234.90	8,881.7	18.8	-1,248.1	1,248.2	0.56	0.53	-2.00	
9,097.0	6.60	227.10	8,976.1	12.1	-1,256.2	1,256.3	1.05	0.53	-8.21	
9,191.0	7.40	224.20	9,069.4	4.1	-1,264.4	1,264.3	0.93	0.85	-3.09	
9,286.0	6.40	224.60	9,163.7	-4.0	-1,272.4	1,272.2	1.05	-1.05	0.42	
9,410.0	4.60	219.00	9,287.2	-12.8	-1,280.4	1,280.0	1.51	-1.45	-4.52	
9,490.0	4.60	219.00	9,366.9	-17.8	-1,284.4	1,284.0	0.00	0.00	0.00	

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Survey									
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BHL 1919'FSL, 1319'FWL, SEC.10									

Checked By: _____ Approved By: _____ Date: _____