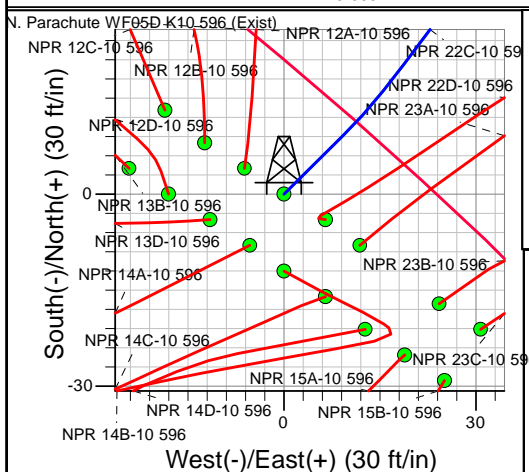
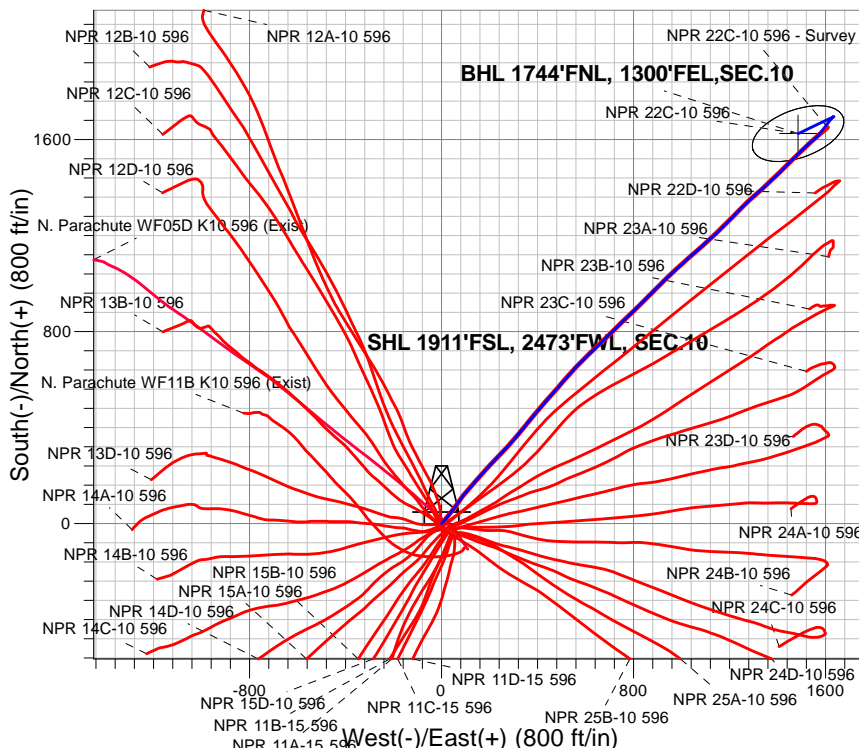


Caerus Oil and Gas LLC



NPR 22C-10 596
 Sidetrack Plan #1 (8-23-18)
 12:03, August 23 2018



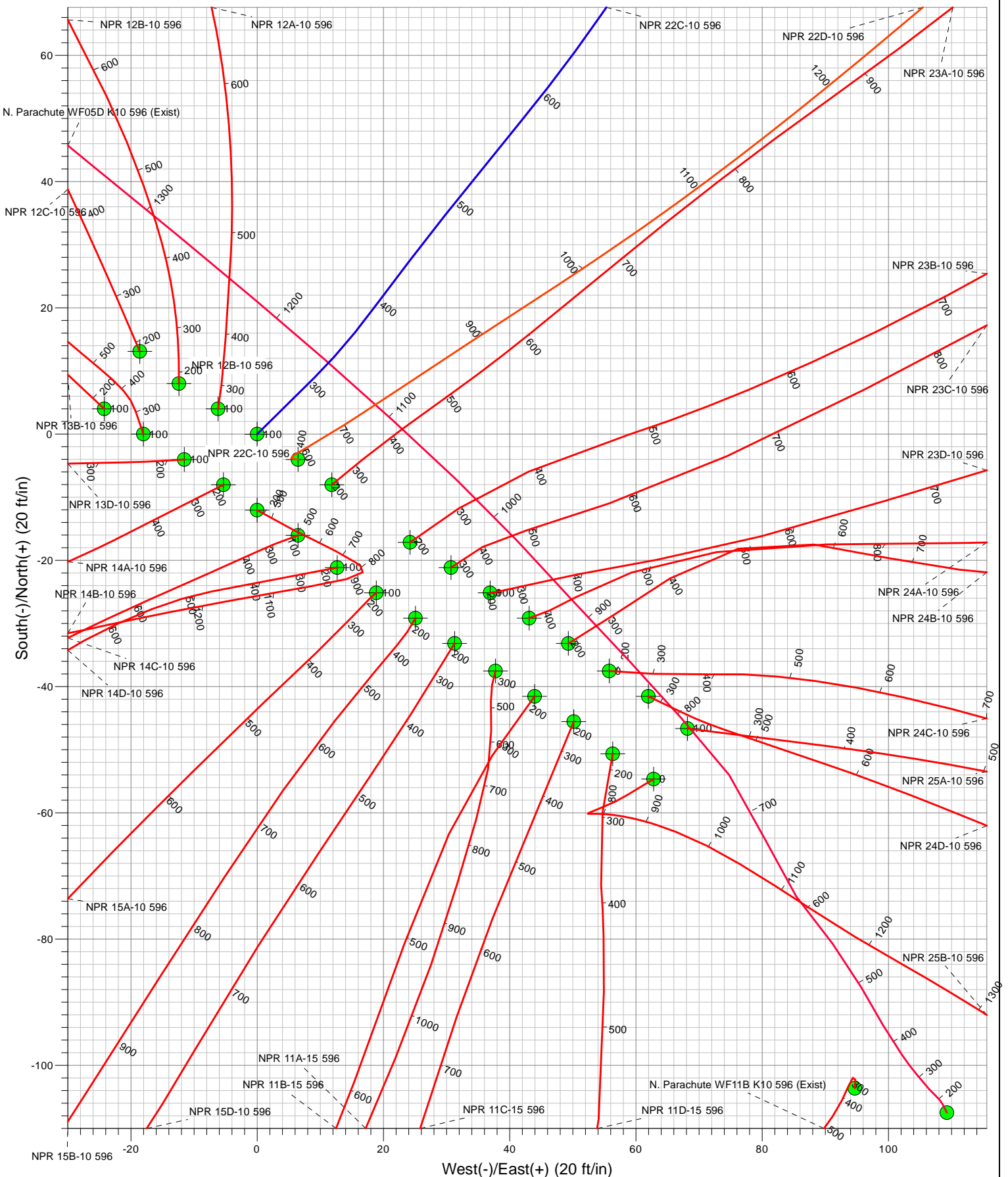
Azimuths to True North
 Magnetic North: 9.57°
 Magnetic Field
 Strength: 51440.0snT
 Dip Angle: 65.82°
 Date: 8/23/2018
 Model: HDGM

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
SHL 1911'FSL, 2473'FWL, SEC.10	1.0	0.0	0.0	39.627597	-108.155367	Point
BHL 1744'FNL, 1300'FEL, SEC.10	9604.0	1624.3	1485.8	39.632056	-108.150092	Ellipse (Radii: L200.0 W100.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	6060.0	13.41	48.82	5588.9	1608.4	1561.8	0.00	0.00	2240.9	
2	6160.0	16.04	36.89	5685.7	1627.1	1578.9	4.00	-55.00	2266.2	
3	6805.6	0.66	150.16	6323.0	1695.6	1634.7	2.53	177.83	2354.4	
4	6849.7	0.66	150.16	6367.1	1695.2	1634.9	0.00	0.00	2354.3	
5	6882.6	0.00	0.00	6400.0	1695.0	1635.0	2.02	180.00	2354.2	
6	7192.6	3.10	244.63	6709.8	1691.4	1627.4	1.00	244.63	2346.5	
7	10091.0	3.10	244.63	9604.0	1624.3	1485.8	0.00	0.00	2201.3	BHL 1744'FNL, 1300'FEL, SEC.10





Caerus Oil and Gas LLC

SEC.10-T5S-R96W

K10 596 Pad Sec.10-T5S-R96W

NPR 22C-10 596

NPR 22C-10 596 Wellbore #1

Plan: Sidetrack Plan #1 (8-23-18)

Standard Planning Report

23 August, 2018

Database:	US_EDM	Local Co-ordinate Reference:	Well NPR 22C-10 596
Company:	Caerus Oil and Gas LLC	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Project:	SEC.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	North Reference:	True
Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	NPR 22C-10 596 Wellbore #1		
Design:	Sidetrack Plan #1 (8-23-18)		

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 22C-10 596					
Well Position	+N/-S	-8.0 ft	Northing:	14,403,132.51 usft	Latitude:	39.627597
	+E/-W	12.4 ft	Easting:	2,441,452.45 usft	Longitude:	-108.155367
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	6,709.0 ft

Wellbore	NPR 22C-10 596 Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/23/2018	9.57	65.82	51,440

Design	Sidetrack Plan #1 (8-23-18)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	6,060.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	42.45

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
6,060.0	13.41	48.82	5,588.9	1,608.4	1,561.8	0.00	0.00	0.00	0.00	
6,160.0	16.04	36.89	5,685.7	1,627.1	1,578.9	4.00	2.63	-11.93	-55.00	
6,805.6	0.66	150.16	6,323.0	1,695.6	1,634.7	2.53	-2.38	17.55	177.83	
6,849.7	0.66	150.16	6,367.1	1,695.2	1,634.9	0.00	0.00	0.00	0.00	
6,882.6	0.00	0.00	6,400.0	1,695.0	1,635.0	2.02	-2.02	0.00	180.00	
7,192.6	3.10	244.63	6,709.8	1,691.4	1,627.4	1.00	1.00	-37.22	244.63	
10,091.0	3.10	244.63	9,604.0	1,624.3	1,485.8	0.00	0.00	0.00	0.00	BHL 1744'FNL, 1300'

Database:	US_EDM	Local Co-ordinate Reference:	Well NPR 22C-10 596
Company:	Caerus Oil and Gas LLC	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Project:	SEC.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	North Reference:	True
Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	NPR 22C-10 596 Wellbore #1		
Design:	Sidetrack Plan #1 (8-23-18)		

Planned 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)
6,060.0	13.41	48.82	5,588.9	1,608.4	1,561.8	2,240.9	0.00	0.00	0.00
Sidetrack point									
6,100.0	14.39	43.54	5,627.8	1,615.0	1,568.8	2,250.5	4.00	2.44	-13.20
6,160.0	16.04	36.89	5,685.7	1,627.1	1,578.9	2,266.2	4.00	2.75	-11.09
6,200.0	15.03	37.03	5,724.2	1,635.6	1,585.3	2,276.9	2.53	-2.53	0.37
6,300.0	12.51	37.51	5,821.3	1,654.6	1,599.7	2,300.6	2.53	-2.52	0.47
6,400.0	9.98	38.21	5,919.4	1,670.0	1,611.7	2,320.0	2.53	-2.52	0.71
6,476.6	8.05	39.05	5,995.0	1,679.3	1,619.2	2,332.0	2.53	-2.52	1.09
OHIO_CREEK.MBL									
6,500.0	7.46	39.39	6,018.2	1,681.8	1,621.2	2,335.1	2.53	-2.52	1.46
6,600.0	4.95	41.76	6,117.6	1,690.0	1,628.1	2,345.9	2.53	-2.51	2.37
6,700.0	2.46	48.94	6,217.4	1,694.7	1,632.6	2,352.4	2.53	-2.49	7.18
6,712.6	2.15	51.01	6,230.0	1,695.0	1,633.0	2,352.9	2.53	-2.44	16.47
WILLIAMS_FORK.MBL									
6,762.6	1.00	71.66	6,280.0	1,695.7	1,634.2	2,354.2	2.53	-2.30	41.28
TOP_GAS.MBL									
6,800.0	0.62	138.22	6,317.4	1,695.7	1,634.6	2,354.4	2.53	-1.03	178.07
6,805.6	0.66	150.16	6,323.0	1,695.6	1,634.7	2,354.4	2.53	0.84	213.36
6,849.7	0.66	150.16	6,367.1	1,695.2	1,634.9	2,354.3	0.00	0.00	0.00
6,882.6	0.00	0.00	6,400.0	1,695.0	1,635.0	2,354.2	2.02	-2.02	0.00
6,900.0	0.17	244.63	6,417.4	1,695.0	1,635.0	2,354.2	1.00	1.00	0.00
7,000.0	1.17	244.63	6,517.4	1,694.5	1,633.9	2,353.1	1.00	1.00	0.00
7,100.0	2.17	244.63	6,617.3	1,693.2	1,631.3	2,350.4	1.00	1.00	0.00
7,192.6	3.10	244.63	6,709.8	1,691.4	1,627.4	2,346.5	1.00	1.00	0.00
7,200.0	3.10	244.63	6,717.2	1,691.2	1,627.1	2,346.1	0.00	0.00	0.00
7,300.0	3.10	244.63	6,817.1	1,688.9	1,622.2	2,341.1	0.00	0.00	0.00
7,400.0	3.10	244.63	6,916.9	1,686.6	1,617.3	2,336.1	0.00	0.00	0.00
7,500.0	3.10	244.63	7,016.8	1,684.3	1,612.4	2,331.1	0.00	0.00	0.00
7,600.0	3.10	244.63	7,116.6	1,682.0	1,607.5	2,326.1	0.00	0.00	0.00
7,700.0	3.10	244.63	7,216.5	1,679.7	1,602.6	2,321.1	0.00	0.00	0.00
7,800.0	3.10	244.63	7,316.3	1,677.3	1,597.7	2,316.0	0.00	0.00	0.00
7,900.0	3.10	244.63	7,416.2	1,675.0	1,592.9	2,311.0	0.00	0.00	0.00
8,000.0	3.10	244.63	7,516.0	1,672.7	1,588.0	2,306.0	0.00	0.00	0.00
8,100.0	3.10	244.63	7,615.9	1,670.4	1,583.1	2,301.0	0.00	0.00	0.00
8,200.0	3.10	244.63	7,715.7	1,668.1	1,578.2	2,296.0	0.00	0.00	0.00
8,300.0	3.10	244.63	7,815.6	1,665.8	1,573.3	2,291.0	0.00	0.00	0.00
8,400.0	3.10	244.63	7,915.5	1,663.4	1,568.4	2,286.0	0.00	0.00	0.00
8,500.0	3.10	244.63	8,015.3	1,661.1	1,563.5	2,281.0	0.00	0.00	0.00
8,600.0	3.10	244.63	8,115.2	1,658.8	1,558.7	2,276.0	0.00	0.00	0.00
8,700.0	3.10	244.63	8,215.0	1,656.5	1,553.8	2,271.0	0.00	0.00	0.00
8,800.0	3.10	244.63	8,314.9	1,654.2	1,548.9	2,266.0	0.00	0.00	0.00
8,900.0	3.10	244.63	8,414.7	1,651.9	1,544.0	2,261.0	0.00	0.00	0.00
9,000.0	3.10	244.63	8,514.6	1,649.5	1,539.1	2,256.0	0.00	0.00	0.00
9,100.0	3.10	244.63	8,614.4	1,647.2	1,534.2	2,251.0	0.00	0.00	0.00
9,200.0	3.10	244.63	8,714.3	1,644.9	1,529.3	2,245.9	0.00	0.00	0.00
9,294.9	3.10	244.63	8,809.0	1,642.7	1,524.7	2,241.2	0.00	0.00	0.00
CAMEO.MBL									
9,300.0	3.10	244.63	8,814.1	1,642.6	1,524.5	2,240.9	0.00	0.00	0.00
9,400.0	3.10	244.63	8,914.0	1,640.3	1,519.6	2,235.9	0.00	0.00	0.00
9,500.0	3.10	244.63	9,013.8	1,638.0	1,514.7	2,230.9	0.00	0.00	0.00
9,600.0	3.10	244.63	9,113.7	1,635.6	1,509.8	2,225.9	0.00	0.00	0.00
9,700.0	3.10	244.63	9,213.6	1,633.3	1,504.9	2,220.9	0.00	0.00	0.00
9,800.0	3.10	244.63	9,313.4	1,631.0	1,500.0	2,215.9	0.00	0.00	0.00
9,900.0	3.10	244.63	9,413.3	1,628.7	1,495.1	2,210.9	0.00	0.00	0.00

Database:	US_EDM	Local Co-ordinate Reference:	Well NPR 22C-10 596
Company:	Caerus Oil and Gas LLC	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Project:	SEC.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site:	K10 596 Pad Sec.10-T5S-R96W	North Reference:	True
Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	NPR 22C-10 596 Wellbore #1		
Design:	Sidetrack Plan #1 (8-23-18)		

Planned 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)	
9,915.8	3.10	244.63	9,429.0	1,628.3	1,494.4	2,210.1	0.00	0.00	0.00	
ROLLINS.MBL										
10,000.0	3.10	244.63	9,513.1	1,626.4	1,490.3	2,205.9	0.00	0.00	0.00	
10,091.0	3.10	244.63	9,604.0	1,624.3	1,485.8	2,201.3	0.00	0.00	0.00	
TD.MBL										

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
SHL 1911'FSL, 2473'FW	0.00	0.00	1.0	0.0	0.0	14,403,132.51	2,441,452.45	39.627597	-108.155367
- plan misses target center by 6020.9ft at 6060.0ft MD (5588.9 TVD, 1608.4 N, 1561.8 E)									
- Point									
BHL 1744'FNL, 1300'FE	0.00	0.00	9,604.0	1,624.3	1,485.8	14,404,803.58	2,442,886.54	39.632056	-108.150092
- plan hits target center									
- Ellipse (radii L200.0 W100.0 on 250.00 azi)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")
2,700.8	2,500.0	9 5/8"		9-5/8	12-1/4

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,689.0	1,600.0	WASATCH.MBL		0.00	
	4,012.7	3,693.0	WASATCH_G_ZONE.MBL		0.00	
	4,395.8	4,043.0	FORT_UNION.MBL		0.00	
	6,476.6	5,995.0	OHIO_CREEK.MBL		0.00	
	6,712.6	6,230.0	WILLIAMS_FORK.MBL		0.00	
	6,762.6	6,280.0	TOP_GAS.MBL		0.00	
	9,294.9	8,809.0	CAMEO.MBL		0.00	
	9,915.8	9,429.0	ROLLINS.MBL		0.00	
10,091.0	9,604.0	TD.MBL		0.00		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,060.0	5,588.9	1,608.4	1,561.8	Sidetrack point



Caerus Oil and Gas LLC

SEC.10-T5S-R96W

K10 596 Pad Sec.10-T5S-R96W

NPR 22C-10 596

NPR 22C-10 596 Wellbore #1

Sidetrack Plan #1 (8-23-18)

Anticollision Report

23 August, 2018

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Reference	Sidetrack Plan #1 (8-23-18)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 800.0 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	8/23/2018		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
130.0	6,060.0	Survey #1 (NPR 22C-10 596 Wellbore #1)	MWD	MWD - Standard	
6,060.0	10,091.0	Sidetrack Plan #1 (8-23-18) (NPR 22C-10	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Existing Wells Sec.10-T5S-R96W						
N. Parachute WF05D K10 596 (Exist) - Wellbore #1 - We	682.8	679.3	132.7	129.2	37.959	CC, ES
N. Parachute WF05D K10 596 (Exist) - Wellbore #1 - We	949.0	932.7	159.2	154.0	30.666	SF
N. Parachute WF11B K10 596 (Exist) - Wellbore #1 - We	237.4	216.1	139.3	138.6	200.668	CC, ES
N. Parachute WF11B K10 596 (Exist) - Wellbore #1 - We	857.0	811.1	229.6	225.2	52.916	SF
K10 596 Pad Sec.10-T5S-R96W						
NPR 11A-15 596 - NPR 11A-15 596 Wellbore #1 - NPR 1	0.0	0.0	53.2			
NPR 11A-15 596 - NPR 11A-15 596 Wellbore #1 - NPR 1	159.2	159.1	53.2	52.8	122.426	ES
NPR 11A-15 596 - NPR 11A-15 596 Wellbore #1 - NPR 1	488.0	481.3	77.6	75.3	33.645	SF
NPR 11B-15 596 - NPR 11B-15 596 Wellbore #1 - NPR 1	130.0	130.0	60.5	60.2	206.907	CC
NPR 11B-15 596 - NPR 11B-15 596 Wellbore #1 - NPR 1	166.4	166.2	60.5	60.0	132.020	ES
NPR 11B-15 596 - NPR 11B-15 596 Wellbore #1 - NPR 1	395.0	384.0	80.5	78.6	42.494	SF
NPR 11C-15 596 - NPR 11C-15 596 Wellbore #1 - NPR 1	130.0	130.0	67.7	67.4	231.793	CC
NPR 11C-15 596 - NPR 11C-15 596 Wellbore #1 - NPR 1	148.4	148.2	67.7	67.4	177.636	ES
NPR 11C-15 596 - NPR 11C-15 596 Wellbore #1 - NPR 1	488.0	474.7	100.6	98.3	43.157	SF
NPR 11D-15 596 - NPR 11D-15 596 Wellbore #1 - NPR 1	0.0	0.0	75.7			
NPR 11D-15 596 - NPR 11D-15 596 Wellbore #1 - NPR 1	130.0	129.4	75.9	75.5	234.631	ES
NPR 11D-15 596 - NPR 11D-15 596 Wellbore #1 - NPR 1	488.0	462.2	125.0	122.6	51.014	SF
NPR 12A-10 596 - NPR 12A-10 596 Wellbore #1 - NPR 1	130.0	130.0	7.4	7.1	25.256	CC, ES
NPR 12A-10 596 - NPR 12A-10 596 Wellbore #1 - NPR 1	304.0	303.6	14.7	13.4	10.866	SF
NPR 12B-10 596 - NPR 12B-10 596 Wellbore #1 - NPR 1	0.0	0.0	14.8	14.8	10,000.000	CC
NPR 12B-10 596 - NPR 12B-10 596 Wellbore #1 - NPR 1	130.0	130.0	14.8	14.5	48.682	ES
NPR 12B-10 596 - NPR 12B-10 596 Wellbore #1 - NPR 1	304.0	302.7	23.3	22.0	18.851	SF
NPR 12C-10 596 - NPR 12C-10 596 Wellbore #1 - NPR	130.0	130.0	22.8	22.5	77.861	CC, ES
NPR 12C-10 596 - NPR 12C-10 596 Wellbore #1 - NPR	395.0	389.5	47.9	46.1	27.020	SF
NPR 12D-10 596 - NPR 12D-10 596 Wellbore #1 - NPR	0.0	0.0	18.0	18.0	10,000.000	CC
NPR 12D-10 596 - NPR 12D-10 596 Wellbore #1 - NPR	130.0	130.0	18.0	17.7	59.401	ES
NPR 12D-10 596 - NPR 12D-10 596 Wellbore #1 - NPR	304.0	303.2	28.8	27.4	20.428	SF
NPR 13B-10 596 - NPR 13B-10 596 Wellbore #1 - NPR 1	0.0	0.0	24.6			
NPR 13B-10 596 - NPR 13B-10 596 Wellbore #1 - NPR 1	130.0	129.8	24.6	24.3	80.501	ES
NPR 13B-10 596 - NPR 13B-10 596 Wellbore #1 - NPR 1	304.0	300.0	42.8	41.4	31.392	SF
NPR 13D-10 596 - NPR 13D-10 596 Wellbore #1 - NPR	130.0	130.0	12.2	11.9	41.837	CC, ES
NPR 13D-10 596 - NPR 13D-10 596 Wellbore #1 - NPR	304.0	300.0	36.9	35.3	23.256	SF
NPR 14A-10 596 - NPR 14A-10 596 Wellbore #1 - NPR 1	130.0	130.0	9.6	9.3	32.980	CC, ES
NPR 14A-10 596 - NPR 14A-10 596 Wellbore #1 - NPR 1	304.0	302.1	26.7	25.2	17.557	SF
NPR 14B-10 596 - NPR 14B-10 596 Wellbore #1 - NPR 1	0.0	0.0	12.0	12.0	10,000.000	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
K10 596 Pad Sec.10-T5S-R96W						
NPR 14B-10 596 - NPR 14B-10 596 Wellbore #1 - NPR 1	130.0	130.0	12.3	12.0	41.799	ES
NPR 14B-10 596 - NPR 14B-10 596 Wellbore #1 - NPR 1	304.0	303.3	23.3	22.1	19.708	SF
NPR 14C-10 596 - NPR 14C-10 596 Wellbore #1 - NPR	130.0	130.0	17.3	17.0	58.333	CC, ES
NPR 14C-10 596 - NPR 14C-10 596 Wellbore #1 - NPR	304.0	302.9	27.3	26.0	20.599	SF
NPR 14D-10 596 - NPR 14D-10 596 Wellbore #1 - NPR	130.0	130.0	24.6	24.3	81.193	CC
NPR 14D-10 596 - NPR 14D-10 596 Wellbore #1 - NPR	152.6	152.7	24.6	24.2	59.194	ES
NPR 14D-10 596 - NPR 14D-10 596 Wellbore #1 - NPR	304.0	303.0	31.1	29.7	22.571	SF
NPR 15A-10 596 - NPR 15A-10 596 Wellbore #1 - NPR 1	0.0	0.0	31.4			
NPR 15A-10 596 - NPR 15A-10 596 Wellbore #1 - NPR 1	130.0	130.0	31.4	31.1	104.097	ES
NPR 15A-10 596 - NPR 15A-10 596 Wellbore #1 - NPR 1	395.0	388.7	56.2	54.2	28.214	SF
NPR 15B-10 596 - NPR 15B-10 596 Wellbore #1 - NPR 1	0.0	0.0	38.4			
NPR 15B-10 596 - NPR 15B-10 596 Wellbore #1 - NPR 1	130.0	129.9	38.6	38.3	131.183	ES
NPR 15B-10 596 - NPR 15B-10 596 Wellbore #1 - NPR 1	395.0	391.5	54.1	52.4	30.820	SF
NPR 15D-10 596 - NPR 15D-10 596 Wellbore #1 - NPR	130.0	130.0	45.6	45.3	155.948	CC
NPR 15D-10 596 - NPR 15D-10 596 Wellbore #1 - NPR	140.2	140.1	45.6	45.2	134.015	ES
NPR 15D-10 596 - NPR 15D-10 596 Wellbore #1 - NPR	395.0	388.2	65.1	63.3	35.038	SF
NPR 22C-10 596 - NPR 22C-10 596 Wellbore #1 - NPR	6,060.0	6,060.0	0.0	0.0	0.000	Level 1, CC, ES, SF
NPR 22D-10 596 - NPR 22D-10 596 Wellbore #1 - Wellbo	187.0	187.0	7.2	6.7	14.491	CC, ES
NPR 22D-10 596 - NPR 22D-10 596 Wellbore #1 - Wellbo	9,100.0	9,052.6	247.4	166.1	3.042	SF
NPR 23A-10 596 - NPR 23A-10 596 Wellbore #1 - Wellb	216.7	216.6	14.2	13.5	20.076	CC, ES
NPR 23A-10 596 - NPR 23A-10 596 Wellbore #1 - Wellb	3,055.0	3,047.5	202.2	164.5	5.360	SF
NPR 23B-10 596 - NPR 23B-10 596 Wellbore #1 - NPR 2	130.0	130.0	29.7	29.4	101.521	CC, ES
NPR 23B-10 596 - NPR 23B-10 596 Wellbore #1 - NPR 2	4,566.0	4,535.6	535.9	477.5	9.179	SF
NPR 23C-10 596 - NPR 23C-10 596 Wellbore #1 - NPR	250.8	250.4	36.9	36.1	42.779	CC, ES
NPR 23C-10 596 - NPR 23C-10 596 Wellbore #1 - NPR	1,231.0	1,223.8	143.1	133.3	14.527	SF
NPR 23D-10 596 - NPR 23D-10 596 Wellbore #1 - NPR	130.0	130.0	44.6	44.4	152.799	CC, ES
NPR 23D-10 596 - NPR 23D-10 596 Wellbore #1 - NPR	1,326.0	1,304.1	208.7	197.8	19.154	SF
NPR 24A-10 596 - NPR 24A-10 596 Wellbore #1 - NPR 2	268.2	267.6	51.5	50.6	54.795	CC
NPR 24A-10 596 - NPR 24A-10 596 Wellbore #1 - NPR 2	304.0	303.0	51.7	50.5	46.681	ES
NPR 24A-10 596 - NPR 24A-10 596 Wellbore #1 - NPR 2	3,055.0	2,960.1	787.4	751.8	22.078	SF
NPR 24B-10 596 - NPR 24B-10 596 Wellbore #1 - NPR 2	130.0	130.0	59.4	59.1	203.374	CC, ES
NPR 24B-10 596 - NPR 24B-10 596 Wellbore #1 - NPR 2	672.0	659.3	96.6	93.0	26.443	SF
NPR 24C-10 596 - NPR 24C-10 596 Wellbore #1 - NPR	130.0	130.0	67.2	66.9	230.047	CC, ES
NPR 24C-10 596 - NPR 24C-10 596 Wellbore #1 - NPR	765.0	740.4	144.4	140.1	33.217	SF
NPR 24D-10 596 - NPR 24D-10 596 Wellbore #1 - NPR	208.0	207.1	74.6	73.9	113.925	CC, ES
NPR 24D-10 596 - NPR 24D-10 596 Wellbore #1 - NPR	1,515.0	1,404.2	450.1	438.0	37.333	SF
NPR 25A-10 596 - NPR 25A-10 596 Wellbore #1 - NPR 2	130.0	130.0	82.6	82.3	282.646	CC, ES
NPR 25A-10 596 - NPR 25A-10 596 Wellbore #1 - NPR 2	1,420.0	1,295.8	447.1	436.0	40.148	SF
NPR 25B-10 596 - NPR 25B-10 596 Wellbore #1 - NPR 2	256.1	256.1	82.6	81.8	109.223	CC, ES
NPR 25B-10 596 - NPR 25B-10 596 Wellbore #1 - NPR 2	672.0	663.2	126.5	123.4	40.297	SF

Offset Design Existing Wells Sec.10-T5S-R96W - N. Parachute WF05D K10 596 (Exist) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 142-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	134.53	-107.5	109.3	154.8					
130.0	130.0	110.4	110.4	0.1	0.1	134.42	-106.7	108.8	152.4	152.1	0.27	560.358		
304.0	303.4	289.7	289.5	0.6	0.5	94.28	-101.4	104.4	146.1	145.0	1.08	135.648		
395.0	393.1	384.4	384.0	0.9	0.7	108.87	-95.8	100.4	142.5	140.9	1.62	87.807		
488.0	484.4	480.9	480.0	1.3	1.0	114.30	-86.7	95.1	138.9	136.7	2.21	62.749		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.10-T5S-R96W - N. Parachute WF05D K10 596 (Exist) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 ft	
Survey Program: 142-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Highside Toolface	Offset Wellbore Centre		Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	+N/-S (ft)		+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
580.0	574.3	574.6	572.7	1.6	1.3	121.56	-75.8	87.5	135.1	132.2	2.81	48.118		
672.0	663.9	669.2	665.8	2.1	1.6	135.18	-61.7	79.4	132.7	129.3	3.43	38.710		
682.8	674.3	679.3	675.8	2.1	1.7	136.05	-60.0	78.6	132.7	129.2	3.50	37.959	CC, ES	
765.0	753.9	757.3	752.3	2.5	2.0	144.10	-48.2	69.9	135.4	131.4	4.00	33.839		
857.0	842.4	845.0	838.3	3.0	2.3	152.90	-35.1	58.2	144.2	139.6	4.60	31.362		
949.0	930.3	932.7	924.0	3.6	2.7	160.02	-21.8	45.8	159.2	154.0	5.19	30.666	SF	
1,043.0	1,019.4	1,018.9	1,008.2	4.1	3.1	166.34	-8.3	32.7	180.4	174.6	5.81	31.041		
1,137.0	1,107.8	1,104.1	1,091.2	4.8	3.4	174.58	4.8	18.6	208.3	201.8	6.46	32.224		
1,231.0	1,194.9	1,187.5	1,172.4	5.5	3.8	-179.42	17.5	4.1	242.5	235.4	7.14	33.972		
1,326.0	1,280.8	1,268.7	1,250.9	6.2	4.2	-177.43	30.6	-11.5	284.4	276.6	7.84	36.283		
1,420.0	1,364.1	1,345.6	1,324.6	7.1	4.7	-174.83	44.5	-28.5	331.3	322.7	8.57	38.674		
1,515.0	1,447.6	1,423.9	1,398.9	7.9	5.2	-169.71	60.3	-47.5	381.2	371.8	9.39	40.577		
1,610.0	1,531.0	1,500.3	1,470.5	8.8	5.7	-165.19	77.7	-67.6	432.5	422.2	10.30	42.001		
1,704.0	1,613.1	1,574.2	1,539.0	9.6	6.2	-160.99	96.1	-88.5	484.7	473.4	11.26	43.052		
1,798.0	1,694.9	1,647.3	1,606.2	10.5	6.8	-156.06	115.2	-110.1	538.0	525.6	12.32	43.682		
1,892.0	1,776.8	1,719.3	1,672.0	11.3	7.4	-155.52	134.4	-132.1	591.8	578.5	13.32	44.443		
1,987.0	1,860.5	1,786.4	1,732.8	12.1	7.9	-156.06	152.6	-153.5	646.2	631.9	14.32	45.139		
2,082.0	1,944.9	1,856.3	1,796.1	12.9	8.5	-155.40	171.3	-176.8	701.2	685.9	15.30	45.841		
2,176.0	2,028.7	1,933.6	1,865.8	13.7	9.2	-154.89	192.3	-202.7	755.9	739.6	16.36	46.202		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.10-T5S-R96W - N. Parachute WF11B K10 596 (Exist) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 176-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	137.58	-103.6	94.7	142.1					
130.0	130.0	108.9	108.9	0.1	0.1	137.43	-103.1	94.7	140.0	139.7	0.27	520.372		
237.4	237.2	216.1	216.1	0.4	0.3	93.80	-101.9	94.7	139.3	138.6	0.69	200.668	CC, ES	
304.0	303.4	280.6	280.6	0.6	0.4	97.09	-102.1	94.2	140.0	139.0	1.00	140.259		
395.0	393.1	367.7	367.7	0.9	0.6	112.10	-104.7	93.0	145.5	143.9	1.56	93.128		
488.0	484.4	458.3	458.1	1.3	0.8	117.73	-108.4	90.9	155.7	153.5	2.14	72.898		
580.0	574.3	546.6	546.3	1.6	1.0	123.68	-112.5	87.8	168.7	166.0	2.69	62.676		
672.0	663.9	636.7	636.2	2.1	1.2	135.00	-116.5	83.6	185.4	182.1	3.29	56.362		
765.0	753.9	725.7	724.9	2.5	1.4	140.49	-119.8	77.8	205.8	202.0	3.82	53.935		
857.0	842.4	811.1	810.0	3.0	1.7	144.61	-123.1	70.2	229.6	225.2	4.34	52.916	SF	
949.0	930.3	895.3	893.5	3.6	1.9	147.26	-126.5	61.0	257.0	252.1	4.84	53.100		
1,043.0	1,019.4	980.3	977.9	4.1	2.2	149.93	-129.7	50.2	288.5	283.1	5.35	53.969		
1,137.0	1,107.8	1,064.3	1,060.9	4.8	2.4	155.53	-132.4	38.0	323.7	317.9	5.84	55.392		
1,231.0	1,194.9	1,144.6	1,140.2	5.5	2.7	159.56	-134.7	25.4	363.9	357.6	6.37	57.117		
1,326.0	1,280.8	1,221.0	1,215.3	6.2	3.0	159.82	-137.0	12.3	410.8	403.9	6.93	59.269		
1,420.0	1,364.1	1,297.3	1,290.3	7.1	3.3	161.64	-138.6	-2.3	461.5	454.1	7.42	62.166		
1,515.0	1,447.6	1,372.1	1,363.4	7.9	3.6	166.23	-139.3	-17.9	514.9	507.1	7.86	65.488		
1,610.0	1,531.0	1,443.2	1,432.6	8.8	3.9	170.29	-139.4	-34.1	570.1	561.8	8.30	68.690		
1,704.0	1,613.1	1,510.8	1,498.1	9.6	4.2	174.03	-139.1	-50.8	626.7	617.9	8.75	71.608		
1,798.0	1,694.9	1,582.4	1,567.2	10.5	4.6	179.02	-138.2	-69.8	684.9	675.6	9.22	74.320		
1,892.0	1,776.8	1,668.9	1,650.3	11.3	5.0	180.00	-135.4	-93.5	742.7	733.0	9.77	76.023		
1,987.0	1,860.5	1,776.5	1,754.1	12.1	5.5	-179.30	-128.8	-121.3	797.5	787.1	10.41	76.589		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 11A-15 596 - NPR 11A-15 596 Wellbore #1 - NPR 11A-15 596 W													Offset Site Error: 0.0 ft	
Survey Program: 120-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	134.83	-37.5	37.7	53.2					
130.0	130.0	130.0	130.0	0.1	0.2	134.83	-37.5	37.7	53.2	52.9	0.30	176.439		
159.2	159.2	159.1	159.1	0.2	0.2	89.96	-37.6	37.7	53.2	52.8	0.43	122.426 ES		
304.0	303.4	302.9	302.9	0.6	0.5	103.60	-38.6	37.5	55.4	54.3	1.12	49.354		
395.0	393.1	392.1	392.1	0.9	0.7	125.73	-39.9	37.2	63.0	61.2	1.75	36.077		
488.0	484.4	481.3	481.2	1.3	0.9	135.32	-42.6	37.0	77.6	75.3	2.31	33.645 SF		
580.0	574.3	568.9	568.8	1.6	1.1	142.26	-46.9	37.1	96.8	94.0	2.80	34.642		
672.0	663.9	655.8	655.4	2.1	1.3	152.59	-52.4	36.7	120.5	117.2	3.33	36.173		
765.0	753.9	740.5	739.9	2.5	1.5	155.96	-59.1	35.2	149.1	145.3	3.80	39.266		
857.0	842.4	821.7	820.6	3.0	1.7	157.52	-67.4	32.8	181.7	177.4	4.27	42.503		
949.0	930.3	901.3	899.5	3.6	2.0	157.33	-77.4	29.7	218.3	213.6	4.75	46.015		
1,043.0	1,019.4	980.3	977.6	4.1	2.2	157.12	-88.6	25.9	259.3	254.1	5.23	49.556		
1,137.0	1,107.8	1,053.8	1,050.0	4.8	2.5	160.06	-100.5	21.2	304.5	298.8	5.73	53.185		
1,231.0	1,194.9	1,115.4	1,110.2	5.5	2.7	161.44	-112.7	16.1	356.2	350.0	6.26	56.863		
1,326.0	1,280.8	1,170.3	1,163.2	6.2	3.0	158.84	-125.7	10.4	416.3	409.4	6.85	60.726		
1,420.0	1,364.1	1,218.0	1,208.7	7.1	3.2	158.09	-138.6	3.9	481.4	474.1	7.38	65.238		
1,515.0	1,447.6	1,265.2	1,253.0	7.9	3.5	160.89	-152.7	-3.6	550.9	543.1	7.84	70.256		
1,610.0	1,531.0	1,310.6	1,295.3	8.8	3.8	163.53	-167.3	-11.7	622.9	614.6	8.27	75.301		
1,704.0	1,613.1	1,351.9	1,333.3	9.6	4.1	165.98	-181.3	-19.7	696.3	687.6	8.69	80.144		
1,798.0	1,694.9	1,389.9	1,367.9	10.5	4.4	170.07	-194.9	-27.5	771.9	762.8	9.05	85.321		

K10 596 Pad Sec.10-T5S-R96W - NPR 11B-15 596 - NPR 11B-15 596 Wellbore #1 - NPR 11B-15 596 W													Offset Site Error:	0.0 ft	
Survey Program:		137-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
0.0	0.0	0.0	0.0	0.0	0.0	133.38	-41.5	43.9	60.5						
130.0	130.0	130.0	130.0	0.1	0.1	133.38	-41.5	43.9	60.5	60.2	0.29	206.907	CC		
166.4	166.4	166.2	166.2	0.2	0.2	88.87	-41.8	43.8	60.5	60.0	0.46	132.020	ES		
304.0	303.4	300.5	300.1	0.6	0.5	106.83	-48.7	38.8	65.0	63.8	1.16	56.126			
395.0	393.1	384.0	382.9	0.9	0.8	131.70	-58.3	32.9	80.5	78.6	1.89	42.494	SF		
488.0	484.4	465.6	463.1	1.3	1.1	141.26	-72.1	26.6	108.8	106.3	2.52	43.233			
580.0	574.3	544.1	539.5	1.6	1.4	147.02	-88.8	20.4	144.4	141.4	3.01	47.893			
672.0	663.9	620.5	613.3	2.1	1.8	156.21	-107.5	13.6	185.8	182.2	3.55	52.326			
765.0	753.9	696.0	685.7	2.5	2.2	158.43	-127.5	5.7	232.3	228.3	4.01	57.962			
857.0	842.4	766.9	753.2	3.0	2.6	158.92	-147.4	-2.8	281.8	277.4	4.47	63.008			
949.0	930.3	833.4	816.0	3.6	3.1	157.73	-167.4	-11.7	335.0	330.1	4.94	67.860			
1,043.0	1,019.4	898.3	876.7	4.1	3.5	156.58	-188.2	-21.5	392.9	387.4	5.42	72.461			
1,137.0	1,107.8	964.5	938.2	4.8	4.0	159.02	-210.5	-31.4	453.7	447.8	5.91	76.785			
1,231.0	1,194.9	1,025.4	994.5	5.5	4.4	159.80	-231.9	-40.1	518.2	511.8	6.43	80.585			
1,326.0	1,280.8	1,081.7	1,046.3	6.2	4.8	156.19	-252.8	-47.8	587.8	580.8	7.07	83.195			
1,420.0	1,364.1	1,135.9	1,095.8	7.1	5.2	154.95	-273.5	-55.2	659.6	651.9	7.63	86.481			
1,515.0	1,447.6	1,191.6	1,146.5	7.9	5.6	157.59	-295.1	-63.0	733.4	725.3	8.08	90.720			

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 11C-15 596 - NPR 11C-15 596 Wellbore #1 - NPR 11C-15 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	132.24	-45.5	50.1	67.7					
130.0	130.0	130.0	130.0	0.1	0.1	132.24	-45.5	50.1	67.7	67.4	0.29	231.793	CC	
148.4	148.4	148.2	148.2	0.2	0.2	87.11	-45.6	50.1	67.7	67.4	0.38	177.636	ES	
304.0	303.4	301.1	301.0	0.6	0.6	100.84	-50.3	48.2	71.0	69.9	1.15	61.724		
395.0	393.1	388.0	387.7	0.9	0.8	122.94	-56.3	45.7	81.4	79.6	1.77	45.942		
488.0	484.4	474.7	473.8	1.3	1.0	132.97	-64.7	42.2	100.6	98.3	2.33	43.157	SF	
580.0	574.3	558.3	556.7	1.6	1.2	140.52	-75.1	38.0	126.1	123.2	2.82	44.738		
672.0	663.9	637.9	635.2	2.1	1.5	151.09	-87.4	33.2	158.0	154.6	3.41	46.293		
765.0	753.9	715.4	711.1	2.5	1.8	154.20	-102.3	28.3	196.8	192.9	3.91	50.286		
857.0	842.4	789.1	782.7	3.0	2.1	155.26	-118.7	23.0	239.9	235.5	4.40	54.550		
949.0	930.3	859.3	850.5	3.6	2.5	154.45	-136.4	17.5	287.3	282.4	4.88	58.924		
1,043.0	1,019.4	927.6	915.8	4.1	2.8	153.70	-155.1	10.8	339.7	334.3	5.37	63.209		
1,137.0	1,107.8	991.8	976.7	4.8	3.2	156.52	-173.8	2.6	396.2	390.3	5.87	67.478		
1,231.0	1,194.9	1,044.0	1,025.7	5.5	3.6	157.69	-189.8	-5.3	457.6	451.2	6.40	71.452		
1,326.0	1,280.8	1,106.1	1,083.5	6.2	4.0	155.02	-210.0	-15.5	525.0	517.9	7.03	74.722		
1,420.0	1,364.1	1,156.6	1,130.1	7.1	4.3	154.21	-227.7	-23.6	595.3	587.8	7.57	78.680		
1,515.0	1,447.6	1,206.0	1,175.3	7.9	4.7	156.99	-246.0	-31.2	668.4	660.4	8.05	83.078		
1,610.0	1,531.0	1,250.9	1,216.2	8.8	5.1	159.50	-263.5	-38.0	743.2	734.7	8.49	87.568		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 11D-15 596 - NPR 11D-15 596 Wellbore #1 - NPR 11D-15 596												Offset Site Error:	0.0 ft
Survey Program: 100-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	131.95	-50.6	56.3	75.7				
130.0	130.0	129.4	129.4	0.1	0.2	132.09	-50.8	56.3	75.9	75.5	0.32	234.631 ES	
304.0	303.4	297.5	297.1	0.6	0.6	100.64	-60.4	54.6	83.2	82.1	1.16	71.913	
395.0	393.1	379.7	378.6	0.9	0.8	120.21	-70.8	54.4	98.9	97.1	1.84	53.754	
488.0	484.4	462.2	459.9	1.3	1.1	127.32	-85.4	55.0	125.0	122.6	2.45	51.014 SF	
580.0	574.3	544.1	539.9	1.6	1.4	133.06	-102.8	54.5	156.8	153.8	2.99	52.505	
672.0	663.9	626.0	619.6	2.1	1.8	142.97	-121.3	52.5	193.0	189.4	3.55	54.287	
765.0	753.9	705.5	696.8	2.5	2.2	146.49	-139.8	48.3	233.4	229.3	4.04	57.731	
857.0	842.4	779.4	768.2	3.0	2.5	148.18	-158.1	42.7	277.1	272.5	4.53	61.098	
949.0	930.3	848.9	834.9	3.6	2.9	147.79	-177.0	37.6	324.7	319.7	5.03	64.523	
1,043.0	1,019.4	920.5	903.2	4.1	3.3	147.25	-198.0	32.6	376.7	371.2	5.56	67.737	
1,137.0	1,107.8	987.0	966.3	4.8	3.7	149.99	-218.4	27.5	431.9	425.8	6.09	70.882	
1,231.0	1,194.9	1,044.0	1,019.9	5.5	4.1	151.02	-237.0	22.3	491.8	485.2	6.67	73.740	
1,326.0	1,280.8	1,100.6	1,072.7	6.2	4.5	147.95	-256.7	16.7	557.7	550.4	7.35	75.908	
1,420.0	1,364.1	1,138.0	1,107.2	7.1	4.8	146.73	-270.5	13.0	626.8	618.8	7.95	78.813	
1,515.0	1,447.6	1,193.7	1,158.2	7.9	5.2	149.82	-292.2	7.1	698.8	690.3	8.49	82.305	
1,610.0	1,531.0	1,233.0	1,193.7	8.8	5.5	152.38	-308.3	2.6	773.1	764.1	8.97	86.159	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-57.11	4.0	-6.2	7.4	7.4	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.1	-57.11	4.0	-6.2	7.4	7.1	0.29	25.256 CC, ES		
304.0	303.4	303.6	303.5	0.6	0.5	-139.17	7.9	-5.6	14.7	13.4	1.36	10.866 SF		
395.0	393.1	394.3	393.9	0.9	0.8	-138.59	15.1	-5.0	24.3	22.4	1.83	13.266		
488.0	484.4	487.2	485.8	1.3	1.0	-137.17	29.2	-4.1	34.3	31.9	2.37	14.455		
580.0	574.3	577.3	573.7	1.6	1.4	-130.01	48.6	-4.5	46.4	43.3	3.02	15.341		
672.0	663.9	664.6	657.6	2.1	1.8	-117.76	72.1	-8.2	63.3	59.5	3.82	16.588		
765.0	753.9	750.8	739.3	2.5	2.3	-113.67	98.5	-16.1	86.4	81.6	4.73	18.263		
857.0	842.4	836.6	819.4	3.0	2.9	-111.77	127.5	-26.6	113.9	108.2	5.69	20.031		
949.0	930.3	917.7	894.1	3.6	3.4	-111.95	157.1	-37.7	145.2	138.5	6.65	21.831		
1,043.0	1,019.4	996.5	965.9	4.1	4.0	-113.14	186.1	-52.3	183.3	175.6	7.64	23.991		
1,137.0	1,107.8	1,076.5	1,037.7	4.8	4.7	-111.44	216.9	-69.5	225.4	216.7	8.67	25.983		
1,231.0	1,194.9	1,163.1	1,114.9	5.5	5.4	-110.08	251.6	-87.5	268.2	258.4	9.78	27.420		
1,326.0	1,280.8	1,246.3	1,189.5	6.2	6.0	-112.09	284.5	-104.5	313.4	302.5	10.90	28.750		
1,420.0	1,364.1	1,327.0	1,261.8	7.1	6.7	-114.52	316.0	-121.2	360.8	348.7	12.09	29.834		
1,515.0	1,447.6	1,418.7	1,343.6	7.9	7.5	-114.37	353.7	-138.7	408.4	394.9	13.45	30.367		
1,610.0	1,531.0	1,499.8	1,414.9	8.8	8.2	-113.59	389.8	-152.2	454.3	439.5	14.80	30.703		
1,704.0	1,613.1	1,572.7	1,478.1	9.6	8.9	-112.27	424.0	-164.9	500.2	484.1	16.14	30.999		
1,798.0	1,694.9	1,640.3	1,536.1	10.5	9.6	-110.11	456.1	-178.0	547.0	529.5	17.50	31.253		
1,892.0	1,776.8	1,713.0	1,598.1	11.3	10.3	-111.56	490.3	-194.5	595.9	577.2	18.78	31.727		
1,987.0	1,860.5	1,808.0	1,680.3	12.1	11.2	-114.33	532.6	-216.3	645.2	625.1	20.14	32.041		
2,082.0	1,944.9	1,879.3	1,742.7	12.9	11.8	-115.24	563.3	-231.9	693.4	672.1	21.29	32.562		
2,176.0	2,028.7	1,943.8	1,798.7	13.7	12.4	-116.46	591.7	-247.0	742.8	720.3	22.46	33.076		
2,270.0	2,113.0	1,996.0	1,843.5	14.4	13.0	-116.59	614.8	-260.3	793.7	770.2	23.54	33.719		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 120-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-57.11	8.0	-12.4	14.8	14.8	0.00	N/A CC		
130.0	130.0	130.0	130.0	0.1	0.2	-57.02	8.0	-12.4	14.8	14.5	0.30	48.682 ES		
304.0	303.4	302.7	302.4	0.6	0.6	-114.21	17.1	-12.7	23.3	22.0	1.24	18.851 SF		
395.0	393.1	392.3	391.4	0.9	0.8	-114.55	26.8	-14.3	33.7	31.9	1.77	19.022		
488.0	484.4	483.0	481.2	1.3	1.1	-121.79	39.0	-17.9	47.9	45.5	2.41	19.835		
580.0	574.3	571.9	568.9	1.6	1.4	-125.42	52.7	-23.5	65.6	62.6	3.05	21.506		
672.0	663.9	660.7	656.3	2.1	1.7	-122.65	66.9	-30.6	85.5	81.8	3.70	23.102		
765.0	753.9	749.9	743.7	2.5	2.1	-125.27	82.1	-38.9	107.5	103.1	4.42	24.314		
857.0	842.4	837.7	829.4	3.0	2.5	-127.45	99.2	-47.9	131.6	126.4	5.19	25.354		
949.0	930.3	924.5	913.6	3.6	2.9	-130.01	118.2	-57.6	158.4	152.4	6.01	26.362		
1,043.0	1,019.4	1,012.1	997.8	4.1	3.4	-131.61	139.8	-68.1	188.8	181.9	6.90	27.379		
1,137.0	1,107.8	1,098.0	1,079.5	4.8	3.9	-129.48	164.0	-79.2	221.6	213.7	7.85	28.238		
1,231.0	1,194.9	1,180.3	1,156.7	5.5	4.4	-127.66	189.6	-90.9	257.4	248.5	8.87	29.010		
1,326.0	1,280.8	1,259.3	1,230.0	6.2	5.0	-128.80	216.1	-104.1	299.2	289.2	9.94	30.090		
1,420.0	1,364.1	1,337.2	1,301.7	7.1	5.6	-129.93	243.1	-118.3	345.1	334.0	11.05	31.240		
1,515.0	1,447.6	1,417.0	1,374.7	7.9	6.2	-128.60	271.6	-133.6	392.9	380.7	12.22	32.143		
1,610.0	1,531.0	1,495.3	1,445.8	8.8	6.8	-127.32	300.5	-149.1	441.0	427.6	13.43	32.842		
1,704.0	1,613.1	1,578.3	1,520.6	9.6	7.5	-125.72	332.2	-165.9	488.7	474.0	14.69	33.254		
1,798.0	1,694.9	1,661.5	1,595.3	10.5	8.2	-123.25	365.0	-182.2	535.0	518.9	16.03	33.371		
1,892.0	1,776.8	1,744.1	1,669.2	11.3	8.9	-124.38	398.1	-198.4	580.8	563.6	17.27	33.631		
1,987.0	1,860.5	1,833.7	1,749.1	12.1	9.7	-126.30	435.0	-215.5	626.4	607.9	18.55	33.770		
2,082.0	1,944.9	1,932.2	1,837.1	12.9	10.5	-126.55	475.6	-232.6	670.4	650.5	19.84	33.786		
2,176.0	2,028.7	2,032.5	1,928.1	13.7	11.2	-127.27	515.0	-247.8	712.0	690.9	21.11	33.731		
2,270.0	2,113.0	2,134.2	2,021.8	14.4	11.9	-127.11	552.4	-261.1	751.3	728.9	22.35	33.620		
2,330.0	2,167.0	2,197.3	2,080.8	14.9	12.3	-126.28	573.7	-268.2	774.9	751.8	23.12	33.523		

Offset Design													K10 596 Pad Sec.10-T5S-R96W - NPR 12C-10 596 - NPR 12C-10 596 Wellbore #1 - NPR 12C-10 596		Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.0	0.0	0.0	0.0	0.0	0.0	-54.80	13.1	-18.6	22.8							
130.0	130.0	130.0	130.0	0.1	0.1	-54.80	13.1	-18.6	22.8	22.5	0.29	77.861	CC, ES			
304.0	303.4	301.0	300.6	0.6	0.6	-112.03	21.9	-22.4	34.1	32.9	1.22	28.070				
395.0	393.1	389.5	388.3	0.9	0.8	-110.05	32.8	-27.2	47.9	46.1	1.77	27.020	SF			
488.0	484.4	477.7	474.9	1.3	1.2	-114.49	48.0	-34.5	66.3	63.9	2.44	27.180				
580.0	574.3	565.2	559.9	1.6	1.6	-116.12	66.4	-44.3	88.9	85.8	3.13	28.395				
672.0	663.9	653.0	644.8	2.1	2.0	-112.15	85.4	-55.3	113.1	109.2	3.84	29.468				
765.0	753.9	740.8	729.6	2.5	2.4	-114.21	104.8	-67.2	138.7	134.1	4.62	30.005				
857.0	842.4	826.0	811.5	3.0	2.9	-116.52	124.9	-79.6	166.5	161.1	5.45	30.548				
949.0	930.3	910.7	892.3	3.6	3.4	-119.55	146.5	-93.0	197.4	191.1	6.32	31.244				
1,043.0	1,019.4	997.4	974.8	4.1	3.9	-122.27	169.0	-107.3	231.6	224.4	7.21	32.118				
1,137.0	1,107.8	1,082.9	1,056.2	4.8	4.4	-121.79	191.4	-121.5	267.5	259.3	8.13	32.912				
1,231.0	1,194.9	1,165.8	1,134.2	5.5	4.9	-121.19	215.4	-135.7	305.5	296.4	9.10	33.575				
1,326.0	1,280.8	1,247.8	1,211.0	6.2	5.5	-123.45	240.2	-150.5	348.1	337.9	10.13	34.349				
1,420.0	1,364.1	1,327.7	1,285.9	7.1	6.0	-125.90	263.5	-165.3	393.7	382.6	11.17	35.239				
1,515.0	1,447.6	1,411.1	1,364.1	7.9	6.5	-125.87	287.8	-181.0	440.9	428.6	12.27	35.927				
1,610.0	1,531.0	1,499.5	1,445.9	8.8	7.2	-125.34	317.3	-196.8	487.1	473.7	13.47	36.161				
1,704.0	1,613.1	1,586.0	1,524.1	9.6	7.9	-123.87	351.3	-211.1	531.6	516.8	14.76	36.014				
1,798.0	1,694.9	1,671.6	1,600.8	10.5	8.6	-121.38	386.9	-224.7	574.9	558.7	16.15	35.593				
1,892.0	1,776.8	1,753.8	1,673.9	11.3	9.3	-122.34	422.3	-237.5	617.5	600.1	17.44	35.404				
1,987.0	1,860.5	1,831.7	1,742.6	12.1	10.0	-124.14	456.8	-250.2	660.8	642.1	18.70	35.335				
2,082.0	1,944.9	1,906.0	1,808.0	12.9	10.6	-124.43	489.5	-263.2	705.2	685.3	19.91	35.428				
2,176.0	2,028.7	1,983.5	1,876.5	13.7	11.3	-125.10	522.9	-277.6	750.2	729.0	21.12	35.513				
2,270.0	2,113.0	2,063.4	1,947.2	14.4	12.0	-124.74	556.6	-292.9	795.0	772.7	22.34	35.580				

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 12D-10 596 - NPR 12D-10 596 Wellbore #1 - NPR 12D-10 596												Offset Site Error:	0.0 ft
Survey Program: 120-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-18.0	18.0	18.0	0.00	N/A CC	
130.0	130.0	130.0	130.0	0.1	0.2	-89.97	0.0	-18.0	18.0	17.7	0.30	59.401 ES	
304.0	303.4	303.2	303.2	0.6	0.5	-145.53	3.7	-19.3	28.8	27.4	1.41	20.428 SF	
395.0	393.1	392.5	392.4	0.9	0.7	-144.49	7.0	-21.2	42.1	40.3	1.88	22.470	
488.0	484.4	482.8	482.5	1.3	0.9	-151.43	10.5	-25.0	59.9	57.5	2.38	25.118	
580.0	574.3	571.9	571.3	1.6	1.2	-154.32	15.1	-30.5	80.3	77.5	2.84	28.296	
672.0	663.9	659.6	658.4	2.1	1.4	-149.22	22.1	-38.3	103.0	99.7	3.35	30.714	
765.0	753.9	747.1	744.5	2.5	1.7	-148.29	32.8	-49.2	129.0	125.0	3.95	32.684	
857.0	842.4	834.1	829.3	3.0	2.1	-147.23	47.0	-62.5	157.4	152.8	4.62	34.063	
949.0	930.3	919.8	912.0	3.6	2.5	-146.97	64.3	-77.0	188.5	183.1	5.37	35.114	
1,043.0	1,019.4	1,004.8	992.9	4.1	3.0	-146.20	84.6	-92.9	223.5	217.3	6.19	36.071	
1,137.0	1,107.8	1,087.4	1,071.1	4.8	3.4	-142.55	105.6	-109.6	261.7	254.6	7.04	37.155	
1,231.0	1,194.9	1,170.5	1,150.3	5.5	3.9	-140.58	124.3	-126.7	303.2	295.3	7.90	38.387	
1,326.0	1,280.8	1,253.7	1,229.7	6.2	4.3	-142.24	142.0	-143.4	349.2	340.4	8.76	39.882	
1,420.0	1,364.1	1,329.3	1,301.3	7.1	4.8	-143.28	160.5	-159.7	398.6	389.0	9.62	41.421	
1,515.0	1,447.6	1,403.6	1,370.6	7.9	5.3	-141.39	180.9	-177.1	450.5	439.8	10.61	42.465	
1,610.0	1,531.0	1,483.2	1,444.2	8.8	5.9	-139.55	204.1	-196.6	502.7	491.0	11.66	43.107	
1,704.0	1,613.1	1,565.0	1,519.4	9.6	6.5	-137.50	229.2	-216.5	554.0	541.2	12.77	43.364	
1,798.0	1,694.9	1,649.2	1,596.5	10.5	7.1	-134.51	256.5	-236.7	604.2	590.3	13.98	43.211	
1,892.0	1,776.8	1,738.1	1,677.4	11.3	7.8	-135.30	287.0	-257.4	653.3	638.1	15.14	43.144	
1,987.0	1,860.5	1,824.8	1,756.3	12.1	8.5	-136.96	317.5	-276.4	700.9	684.6	16.28	43.053	
2,082.0	1,944.9	1,891.0	1,816.7	12.9	9.0	-137.33	340.0	-291.1	748.7	731.4	17.26	43.377	
2,176.0	2,028.7	1,967.0	1,886.5	13.7	9.5	-138.05	364.4	-308.9	797.1	778.8	18.29	43.585	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 13B-10 596 - NPR 13B-10 596 Wellbore #1 - NPR 13B-10 596												Offset Site Error:	0.0 ft
Survey Program: 120-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-80.61	4.0	-24.2	24.6				
130.0	130.0	129.8	129.8	0.1	0.2	-80.56	4.0	-24.3	24.6	24.3	0.31	80.501 ES	
304.0	303.4	300.0	299.4	0.6	0.6	-129.51	12.6	-33.4	42.8	41.4	1.36	31.392 SF	
395.0	393.1	382.5	380.4	0.9	0.9	-122.64	22.3	-45.4	65.4	63.4	1.93	33.788	
488.0	484.4	465.6	460.5	1.3	1.3	-125.05	34.9	-63.5	96.2	93.6	2.60	36.992	
580.0	574.3	548.7	539.7	1.6	1.8	-126.74	48.3	-84.9	131.4	128.2	3.22	40.806	
672.0	663.9	632.8	619.9	2.1	2.3	-122.80	60.7	-107.1	167.6	163.8	3.83	43.813	
765.0	753.9	717.1	700.4	2.5	2.7	-125.14	72.0	-129.5	205.1	200.6	4.49	45.631	
857.0	842.4	800.2	779.6	3.0	3.2	-127.74	83.6	-151.8	244.0	238.8	5.20	46.909	
949.0	930.3	885.0	859.9	3.6	3.8	-130.74	98.2	-174.5	284.5	278.6	5.95	47.854	
1,043.0	1,019.4	973.4	943.6	4.1	4.3	-132.98	115.9	-197.1	327.0	320.3	6.75	48.474	
1,137.0	1,107.8	1,062.2	1,027.4	4.8	4.9	-131.62	135.4	-218.6	369.8	362.3	7.57	48.825	
1,231.0	1,194.9	1,150.4	1,111.0	5.5	5.4	-130.72	155.0	-238.9	413.4	405.0	8.43	49.014	
1,326.0	1,280.8	1,239.8	1,196.7	6.2	5.9	-133.41	171.9	-257.8	459.8	450.5	9.28	49.525	
1,420.0	1,364.1	1,318.5	1,272.6	7.1	6.3	-136.02	185.2	-273.9	508.7	498.6	10.12	50.255	
1,515.0	1,447.6	1,391.5	1,342.6	7.9	6.7	-135.67	198.7	-289.4	559.6	548.6	11.02	50.764	
1,610.0	1,531.0	1,468.6	1,415.6	8.8	7.2	-134.98	216.6	-307.0	611.2	599.2	12.00	50.947	
1,704.0	1,613.1	1,545.8	1,487.6	9.6	7.7	-133.65	237.6	-325.1	662.2	649.1	13.03	50.824	
1,798.0	1,694.9	1,620.6	1,557.0	10.5	8.2	-131.31	258.7	-343.2	713.1	699.0	14.13	50.468	
1,892.0	1,776.8	1,702.0	1,632.6	11.3	8.8	-132.83	281.7	-363.0	763.6	748.5	15.16	50.378	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 13D-10 596 - NPR 13D-10 596 Wellbore #1 - NPR 13D-10 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-109.13	-4.0	-11.5	12.2	12.2	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.1	-109.13	-4.0	-11.5	12.2	11.9	0.29	41.837 CC, ES		
304.0	303.4	300.0	299.3	0.6	0.6	-156.31	-4.6	-25.0	36.9	35.3	1.59	23.256 SF		
395.0	393.1	383.1	381.3	0.9	0.9	-148.67	-4.8	-39.0	64.0	62.0	2.07	30.928		
488.0	484.4	469.0	465.3	1.3	1.2	-151.25	-5.1	-57.0	97.3	94.7	2.59	37.595		
580.0	574.3	555.5	549.7	1.6	1.6	-152.88	-5.0	-75.4	131.7	128.6	3.02	43.535		
672.0	663.9	644.2	636.6	2.1	2.0	-148.01	-3.2	-93.4	165.8	162.3	3.50	47.368		
765.0	753.9	734.5	725.0	2.5	2.3	-148.61	1.7	-110.9	199.8	195.8	4.01	49.763		
857.0	842.4	823.4	812.4	3.0	2.6	-150.21	6.9	-126.6	233.6	229.1	4.57	51.093		
949.0	930.3	912.3	900.0	3.6	3.0	-153.16	12.0	-140.8	268.4	263.3	5.13	52.316		
1,043.0	1,019.4	1,000.4	987.0	4.1	3.2	-155.79	17.0	-153.7	305.2	299.5	5.71	53.470		
1,137.0	1,107.8	1,082.7	1,068.4	4.8	3.5	-155.06	20.8	-165.5	344.2	337.9	6.26	54.963		
1,231.0	1,194.9	1,160.6	1,145.3	5.5	3.8	-154.92	22.9	-177.2	387.2	380.4	6.84	56.597		
1,326.0	1,280.8	1,237.6	1,221.4	6.2	4.0	-157.96	24.1	-189.3	436.4	428.9	7.43	58.729		
1,420.0	1,364.1	1,309.8	1,292.6	7.1	4.3	-160.17	25.0	-201.4	489.3	481.4	7.97	61.361		
1,515.0	1,447.6	1,382.5	1,364.0	7.9	4.6	-159.17	26.8	-214.9	544.7	536.1	8.56	63.600		
1,610.0	1,531.0	1,457.9	1,437.5	8.8	4.9	-157.90	31.1	-230.8	600.7	591.5	9.20	65.294		
1,704.0	1,613.1	1,535.2	1,512.8	9.6	5.3	-156.37	36.4	-247.5	656.2	646.3	9.87	66.467		
1,798.0	1,694.9	1,612.4	1,587.9	10.5	5.6	-153.72	42.4	-264.3	711.5	700.9	10.59	67.172		
1,892.0	1,776.8	1,683.1	1,656.6	11.3	6.0	-155.14	48.0	-280.0	766.7	755.5	11.23	68.285		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 14A-10 596 - NPR 14A-10 596 Wellbore #1 - NPR 14A-10 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance										Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-146.26	-8.0	-5.4	9.6	9.6	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.1	-146.26	-8.0	-5.4	9.6	9.3	0.29	32.980 CC, ES		
304.0	303.4	302.1	302.0	0.6	0.5	178.93	-10.2	-9.6	26.7	25.2	1.52	17.557 SF		
395.0	393.1	389.7	389.4	0.9	0.8	-170.90	-12.9	-14.9	47.4	45.4	1.99	23.855		
488.0	484.4	480.0	479.3	1.3	1.0	-172.47	-16.8	-22.8	73.7	71.3	2.43	30.307		
580.0	574.3	560.5	559.1	1.6	1.2	-172.72	-21.3	-32.6	104.0	101.1	2.87	36.218		
672.0	663.9	643.4	640.7	2.1	1.5	-166.62	-26.3	-45.8	138.7	135.3	3.35	41.338		
765.0	753.9	727.2	723.0	2.5	1.8	-166.53	-31.0	-61.1	176.7	172.9	3.81	46.340		
857.0	842.4	811.8	805.8	3.0	2.2	-166.85	-34.0	-77.9	216.2	211.9	4.29	50.351		
949.0	930.3	899.3	891.3	3.6	2.5	-167.75	-33.5	-96.7	256.7	251.9	4.80	53.458		
1,043.0	1,019.4	991.3	981.3	4.1	2.9	-168.26	-30.3	-115.4	298.2	292.8	5.33	55.909		
1,137.0	1,107.8	1,080.0	1,068.2	4.8	3.2	-165.53	-25.2	-132.3	339.8	333.9	5.86	58.003		
1,231.0	1,194.9	1,164.1	1,151.0	5.5	3.5	-164.10	-21.5	-146.8	383.9	377.5	6.43	59.676		
1,326.0	1,280.8	1,243.8	1,229.7	6.2	3.8	-166.40	-19.5	-159.4	433.1	426.1	6.99	61.961		
1,420.0	1,364.1	1,311.9	1,296.8	7.1	4.0	-167.87	-18.6	-170.7	486.3	478.8	7.49	64.912		
1,515.0	1,447.6	1,379.0	1,362.7	7.9	4.3	-166.22	-17.7	-183.4	542.5	534.5	8.04	67.513		
1,610.0	1,531.0	1,445.9	1,427.9	8.8	4.6	-164.48	-16.0	-198.1	600.3	591.7	8.61	69.721		
1,704.0	1,613.1	1,512.8	1,492.8	9.6	4.9	-162.54	-13.9	-214.0	658.7	649.5	9.21	71.494		
1,798.0	1,694.9	1,588.5	1,566.2	10.5	5.2	-159.46	-11.4	-232.4	717.5	707.6	9.88	72.642		
1,892.0	1,776.8	1,675.0	1,650.2	11.3	5.6	-160.65	-7.7	-253.0	775.4	764.9	10.50	73.844		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design											K10 596 Pad Sec.10-T5S-R96W - NPR 14B-10 596 - NPR 14B-10 596 Wellbore #1 - NPR 14B-10 596		Offset Site Error:		0.0 ft
Survey Program: 478-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-12.0	0.0	12.0	12.0	0.00	N/A CC			
130.0	130.0	130.0	130.0	0.1	0.2	177.98	-12.3	0.4	12.3	12.0	0.29	41.799 ES			
304.0	303.4	303.3	303.3	0.6	0.4	151.15	-13.3	2.4	23.3	22.1	1.18	19.708 SF			
395.0	393.1	393.1	393.1	0.9	0.5	166.35	-14.2	4.0	37.5	35.8	1.70	22.061			
488.0	484.4	484.4	484.3	1.3	0.6	166.82	-15.3	6.0	55.3	53.1	2.17	25.522			
580.0	574.3	574.5	574.4	1.6	0.8	166.61	-16.7	8.9	74.2	71.6	2.54	29.230			
672.0	663.9	664.0	663.8	2.1	1.0	171.43	-18.4	12.2	94.9	91.9	3.01	31.481			
765.0	753.9	753.7	753.4	2.5	1.2	170.63	-20.2	15.4	118.2	114.8	3.44	34.383			
857.0	842.4	840.7	840.4	3.0	1.3	169.94	-21.7	16.8	143.7	139.8	3.88	37.040			
949.0	930.3	925.8	925.5	3.6	1.5	169.25	-22.7	15.1	172.2	167.9	4.31	39.987			
1,043.0	1,019.4	1,009.7	1,009.3	4.1	1.7	169.41	-23.7	10.6	204.9	200.1	4.75	43.130			
1,137.0	1,107.8	1,091.8	1,091.0	4.8	1.8	173.04	-25.0	3.5	241.9	236.6	5.20	46.476			
1,231.0	1,194.9	1,171.4	1,170.2	5.5	2.0	175.53	-26.5	-5.0	283.7	277.9	5.72	49.588			
1,326.0	1,280.8	1,246.9	1,245.0	6.2	2.2	174.49	-28.3	-14.6	332.3	326.1	6.26	53.116			
1,420.0	1,364.1	1,318.1	1,315.4	7.1	2.4	174.64	-30.5	-25.1	385.2	378.5	6.72	57.340			
1,515.0	1,447.6	1,390.5	1,386.8	7.9	2.6	177.79	-32.8	-37.1	441.0	433.9	7.17	61.482			
1,610.0	1,531.0	1,463.7	1,458.7	8.8	2.8	-179.28	-34.4	-50.7	498.1	490.4	7.63	65.239			
1,704.0	1,613.1	1,534.8	1,528.3	9.6	3.1	-176.49	-35.4	-64.9	555.4	547.3	8.12	68.403			
1,798.0	1,694.9	1,599.4	1,591.4	10.5	3.3	-172.65	-36.4	-78.7	614.1	605.4	8.62	71.230			
1,892.0	1,776.8	1,660.7	1,651.0	11.3	3.6	-173.18	-37.5	-93.0	673.8	664.7	9.11	73.975			
1,987.0	1,860.5	1,721.9	1,710.1	12.1	3.8	-174.24	-38.4	-108.8	734.1	724.5	9.60	76.482			
2,082.0	1,944.9	1,784.8	1,770.7	12.9	4.1	-174.42	-39.7	-126.0	794.4	784.3	10.12	78.532			

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 14C-10 596 - NPR 14C-10 596 Wellbore #1 - NPR 14C-10 596													Offset Site Error: 0.0 ft	
Survey Program: 293-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	157.99	-16.0	6.5	17.3	17.3	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.2	160.66	-16.3	5.7	17.3	17.0	0.30	58.333 CC, ES		
304.0	303.4	302.9	302.9	0.6	0.4	148.47	-17.6	2.4	27.3	26.0	1.33	20.599 SF		
395.0	393.1	391.5	391.3	0.9	0.6	169.72	-19.0	-0.9	44.0	42.1	1.92	22.934		
488.0	484.4	480.0	479.7	1.3	0.8	174.30	-21.5	-6.5	66.9	64.6	2.37	28.227		
580.0	574.3	565.4	564.6	1.6	1.0	177.37	-25.0	-14.4	94.0	91.2	2.77	33.952		
672.0	663.9	648.1	646.5	2.1	1.3	-175.05	-29.6	-24.5	125.7	122.4	3.25	38.653		
765.0	753.9	730.0	727.3	2.5	1.6	-174.26	-35.6	-36.6	162.4	158.7	3.71	43.831		
857.0	842.4	808.8	804.8	3.0	1.9	-174.83	-42.7	-49.4	202.4	198.3	4.18	48.460		
949.0	930.3	887.0	881.3	3.6	2.2	-176.77	-50.8	-63.2	246.1	241.5	4.64	53.066		
1,043.0	1,019.4	967.6	960.2	4.1	2.6	-178.39	-59.2	-77.7	293.1	288.0	5.10	57.439		
1,137.0	1,107.8	1,044.0	1,034.8	4.8	2.9	-176.56	-67.8	-91.7	342.8	337.2	5.56	61.666		
1,231.0	1,194.9	1,116.2	1,105.1	5.5	3.2	-175.68	-76.9	-105.1	396.3	390.3	6.06	65.350		
1,326.0	1,280.8	1,186.2	1,173.1	6.2	3.5	-178.45	-86.7	-118.3	455.7	449.1	6.58	69.237		
1,420.0	1,364.1	1,255.6	1,240.5	7.1	3.9	-179.88	-96.6	-131.9	518.0	510.9	7.03	73.674		
1,515.0	1,447.6	1,328.0	1,310.8	7.9	4.2	-177.88	-106.0	-146.4	581.3	573.9	7.48	77.720		
1,610.0	1,531.0	1,395.2	1,376.0	8.8	4.5	-176.02	-114.3	-160.2	645.1	637.2	7.94	81.287		
1,704.0	1,613.1	1,459.5	1,438.3	9.6	4.8	-174.11	-122.5	-174.2	709.4	701.0	8.40	84.482		
1,798.0	1,694.9	1,525.4	1,501.9	10.5	5.1	-170.78	-130.2	-189.4	774.3	765.4	8.89	87.061		

K10 596 Pad Sec.10-T5S-R96W - NPR 14D-10 596 - NPR 14D-10 596 Wellbore #1 - NPR 14D-10 596													Offset Site Error:	0.0 ft
Survey Program: 120-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	149.04	-21.1	12.7	24.6					
130.0	130.0	130.0	130.0	0.1	0.2	149.07	-21.1	12.7	24.6	24.3	0.30	81.193	CC	
152.6	152.6	152.7	152.7	0.2	0.2	104.59	-21.2	12.5	24.6	24.2	0.42	59.194	ES	
304.0	303.4	303.0	302.9	0.6	0.6	137.26	-22.1	7.4	31.1	29.7	1.38	22.571	SF	
395.0	393.1	391.3	390.9	0.9	0.8	164.92	-23.3	1.2	47.0	45.0	2.01	23.407		
488.0	484.4	477.0	476.2	1.3	1.0	173.19	-24.9	-7.2	70.5	68.1	2.46	28.683		
580.0	574.3	564.1	562.7	1.6	1.3	177.80	-28.1	-17.6	98.6	95.7	2.87	34.310		
672.0	663.9	646.3	644.0	2.1	1.5	-174.66	-33.4	-28.6	131.5	128.1	3.35	39.297		
765.0	753.9	726.6	723.0	2.5	1.8	-174.37	-40.8	-40.6	169.5	165.7	3.79	44.680		
857.0	842.4	805.7	800.5	3.0	2.1	-175.49	-50.1	-53.0	211.1	206.8	4.27	49.441		
949.0	930.3	885.5	878.7	3.6	2.4	-178.33	-61.3	-64.6	255.3	250.6	4.73	53.995		
1,043.0	1,019.4	966.9	958.4	4.1	2.7	179.03	-73.7	-75.4	302.5	297.3	5.16	58.566		
1,137.0	1,107.8	1,046.0	1,035.8	4.8	3.0	-179.90	-86.2	-85.5	351.7	346.1	5.60	62.793		
1,231.0	1,194.9	1,121.2	1,109.4	5.5	3.3	-179.51	-98.2	-95.5	404.4	398.3	6.09	66.397		
1,326.0	1,280.8	1,194.0	1,180.6	6.2	3.6	177.49	-109.9	-105.9	462.4	455.8	6.60	70.111		
1,420.0	1,364.1	1,263.2	1,248.0	7.1	3.9	176.07	-120.7	-116.5	523.2	516.1	7.04	74.302		
1,515.0	1,447.6	1,331.5	1,314.6	7.9	4.2	178.05	-131.2	-127.8	586.0	578.5	7.48	78.291		
1,610.0	1,531.0	1,402.3	1,383.5	8.8	4.5	179.95	-141.7	-140.1	649.3	641.4	7.93	81.873		
1,704.0	1,613.1	1,468.6	1,448.0	9.6	4.8	-178.07	-151.1	-152.3	712.6	704.2	8.38	85.040		
1,798.0	1,694.9	1,533.4	1,510.8	10.5	5.1	-174.70	-159.9	-165.2	776.7	767.9	8.84	87.855		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 15A-10 596 - NPR 15A-10 596 Wellbore #1 - NPR 15A-10 596												Offset Site Error:	0.0 ft
Survey Program: 120-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	143.10	-25.1	18.9	31.4				
130.0	130.0	130.0	130.0	0.1	0.2	143.13	-25.1	18.9	31.4	31.1	0.30	104.097 ES	
304.0	303.4	301.9	301.7	0.6	0.5	125.96	-29.5	14.6	38.9	37.6	1.29	30.181	
395.0	393.1	388.7	388.3	0.9	0.8	152.44	-34.8	9.1	56.2	54.2	1.99	28.214 SF	
488.0	484.4	474.9	473.8	1.3	1.0	161.10	-42.3	1.3	82.7	80.1	2.51	32.961	
580.0	574.3	557.6	555.4	1.6	1.3	165.98	-51.4	-8.1	114.3	111.4	2.93	38.997	
672.0	663.9	638.0	634.3	2.1	1.6	174.49	-62.1	-18.9	151.0	147.6	3.42	44.114	
765.0	753.9	719.0	713.5	2.5	2.0	175.83	-74.3	-30.8	192.3	188.5	3.86	49.835	
857.0	842.4	800.0	792.7	3.0	2.3	175.60	-87.1	-42.7	235.5	231.2	4.30	54.757	
949.0	930.3	881.7	872.5	3.6	2.6	173.74	-100.1	-53.8	280.3	275.6	4.73	59.303	
1,043.0	1,019.4	963.8	952.9	4.1	2.9	172.06	-113.1	-64.4	327.4	322.3	5.16	63.419	
1,137.0	1,107.8	1,038.1	1,025.5	4.8	3.2	173.89	-125.3	-74.2	377.2	371.5	5.61	67.269	
1,231.0	1,194.9	1,105.2	1,090.8	5.5	3.6	174.80	-137.1	-84.1	431.4	425.3	6.10	70.695	
1,326.0	1,280.8	1,171.3	1,154.7	6.2	3.9	172.15	-149.4	-95.5	492.0	485.4	6.62	74.279	
1,420.0	1,364.1	1,234.0	1,215.3	7.1	4.2	171.22	-160.6	-107.5	555.5	548.4	7.08	78.430	
1,515.0	1,447.6	1,298.7	1,277.5	7.9	4.5	173.81	-172.0	-120.9	621.2	613.7	7.51	82.658	
1,610.0	1,531.0	1,358.0	1,334.3	8.8	4.9	176.17	-182.7	-134.0	688.2	680.3	7.94	86.693	
1,704.0	1,613.1	1,414.8	1,388.6	9.6	5.2	178.43	-193.6	-146.9	755.8	747.5	8.37	90.333	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

K10 596 Pad Sec.10-T5S-R96W - NPR 15B-10 596 - NPR 15B-10 596 Wellbore #1 - NPR 15B-10 596													Offset Site Error:	0.0 ft
Survey Program:		292-MWD											Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	139.29	-29.1	25.1	38.4					
130.0	130.0	129.9	129.9	0.1	0.1	140.00	-29.6	24.8	38.6	38.3	0.29	131.183	ES	
304.0	303.4	302.9	302.9	0.6	0.4	114.52	-31.5	23.7	43.0	42.0	1.05	40.920		
395.0	393.1	391.5	391.4	0.9	0.6	139.31	-33.7	21.9	54.1	52.4	1.76	30.820	SF	
488.0	484.4	479.3	479.0	1.3	0.8	149.68	-38.0	18.3	73.8	71.4	2.31	31.964		
580.0	574.3	563.6	562.9	1.6	1.0	156.57	-44.8	12.8	99.6	96.8	2.77	35.982		
672.0	663.9	645.5	644.0	2.1	1.3	166.29	-53.9	5.9	131.4	128.1	3.29	39.970		
765.0	753.9	726.3	723.6	2.5	1.6	168.45	-65.2	-1.9	169.0	165.3	3.74	45.221		
857.0	842.4	804.3	800.1	3.0	1.9	168.75	-77.7	-10.1	210.1	205.9	4.20	50.051		
949.0	930.3	880.4	874.5	3.6	2.2	167.44	-91.2	-18.8	254.6	250.0	4.65	54.789		
1,043.0	1,019.4	956.3	948.5	4.1	2.6	166.22	-105.8	-28.0	303.2	298.1	5.11	59.299		
1,137.0	1,107.8	1,026.7	1,016.7	4.8	2.9	168.47	-120.2	-37.4	355.4	349.8	5.58	63.685		
1,231.0	1,194.9	1,093.1	1,080.8	5.5	3.3	169.59	-134.9	-47.3	412.2	406.1	6.09	67.643		
1,326.0	1,280.8	1,155.9	1,140.9	6.2	3.6	166.83	-149.8	-57.4	475.2	468.5	6.64	71.547		
1,420.0	1,364.1	1,215.8	1,198.0	7.1	4.0	165.87	-164.6	-67.7	541.2	534.0	7.12	76.004		
1,515.0	1,447.6	1,268.3	1,247.8	7.9	4.3	168.34	-177.9	-77.5	609.9	602.3	7.54	80.876		
1,610.0	1,531.0	1,327.0	1,303.0	8.8	4.7	170.85	-193.6	-90.1	680.8	672.8	7.97	85.380		
1,704.0	1,613.1	1,360.8	1,334.5	9.6	4.9	173.03	-203.1	-98.0	752.7	744.4	8.38	89.875		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 15D-10 596 - NPR 15D-10 596 Wellbore #1 - NPR 15D-10 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	136.67	-33.1	31.3	45.6					
130.0	130.0	130.0	130.0	0.1	0.1	136.67	-33.1	31.3	45.6	45.3	0.29	155.948 CC		
140.2	140.2	140.1	140.1	0.2	0.2	91.45	-33.2	31.3	45.6	45.2	0.34	134.015 ES		
304.0	303.4	301.5	301.3	0.6	0.5	112.01	-38.1	28.2	50.8	49.7	1.18	43.087		
395.0	393.1	388.2	387.8	0.9	0.7	137.36	-44.4	24.3	65.1	63.3	1.86	35.038 SF		
488.0	484.4	473.6	472.4	1.3	1.0	147.57	-53.3	18.5	89.5	87.0	2.45	36.469		
580.0	574.3	557.4	555.2	1.6	1.3	154.24	-64.4	11.0	119.7	116.8	2.92	41.060		
672.0	663.9	638.3	634.8	2.1	1.6	163.78	-76.6	3.1	154.8	151.4	3.42	45.227		
765.0	753.9	719.5	714.3	2.5	1.9	166.00	-90.3	-5.6	194.9	191.0	3.86	50.478		
857.0	842.4	798.5	791.6	3.0	2.2	166.35	-104.6	-14.0	237.2	232.9	4.31	55.025		
949.0	930.3	875.2	866.4	3.6	2.6	165.25	-118.9	-23.3	282.4	277.7	4.75	59.431		
1,043.0	1,019.4	953.5	942.5	4.1	2.9	164.26	-134.0	-33.1	331.1	325.8	5.22	63.466		
1,137.0	1,107.8	1,025.0	1,011.9	4.8	3.3	166.56	-148.7	-42.1	382.7	377.0	5.68	67.382		
1,231.0	1,194.9	1,092.5	1,077.1	5.5	3.6	167.61	-163.8	-51.1	438.8	432.6	6.19	70.886		
1,326.0	1,280.8	1,157.6	1,139.7	6.2	4.0	164.83	-179.3	-60.3	500.9	494.1	6.74	74.287		
1,420.0	1,364.1	1,223.5	1,202.9	7.1	4.4	163.93	-195.3	-69.9	565.4	558.2	7.24	78.070		
1,515.0	1,447.6	1,283.1	1,259.9	7.9	4.7	166.37	-210.2	-78.7	632.1	624.4	7.68	82.278		
1,610.0	1,531.0	1,327.0	1,301.8	8.8	5.0	168.49	-221.6	-85.5	700.5	692.4	8.09	86.597		
1,704.0	1,613.1	1,382.0	1,353.8	9.6	5.3	170.68	-236.8	-94.6	769.9	761.4	8.52	90.329		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design													K10 596 Pad Sec.10-T5S-R96W - NPR 22C-10 596 - NPR 22C-10 596 Wellbore #1 - NPR 22C-10 596		Offset Site Error:		0.0 ft
Survey Program: 130-MWD															Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
6,060.0	5,588.9	6,060.0	5,588.9	0.0	0.0	0.00	1,608.4	1,561.8	0.0	0.0	0.00	0.000	Level 1, CC, ES, SF				
6,081.0	5,609.4	6,081.0	5,609.4	0.1	0.1	156.68	1,611.5	1,565.4	0.2	0.1	0.11	2.076					
6,100.0	5,627.8	6,100.0	5,627.9	0.1	0.2	156.42	1,614.3	1,568.5	0.8	0.6	0.20	3.795					
6,160.0	5,685.7	6,159.8	5,686.4	0.3	0.4	159.16	1,622.7	1,577.6	4.6	4.2	0.44	10.356					
6,200.0	5,724.2	6,199.6	5,725.5	0.5	0.6	158.63	1,627.9	1,583.2	8.1	7.5	0.58	13.865					
6,300.0	5,821.3	6,298.8	5,823.3	0.8	0.9	158.89	1,638.9	1,595.1	16.4	15.5	0.87	18.811					
6,400.0	5,919.4	6,397.7	5,921.5	1.0	1.2	159.82	1,646.5	1,604.1	24.7	23.7	1.06	23.359					
6,500.0	6,018.2	6,456.0	5,979.6	1.2	1.3	159.30	1,650.0	1,608.4	51.7	50.5	1.16	44.470					
6,600.0	6,117.6	6,456.0	5,979.6	1.3	1.3	158.89	1,650.0	1,608.4	145.1	144.1	1.05	138.671					
6,700.0	6,217.4	6,456.0	5,979.6	1.4	1.3	154.56	1,650.0	1,608.4	243.2	242.1	1.11	218.995					
6,805.6	6,323.0	6,456.0	5,979.6	1.5	1.3	56.13	1,650.0	1,608.4	347.4	346.3	1.16	298.981					
6,849.7	6,367.1	6,456.0	5,979.6	1.5	1.3	56.13	1,650.0	1,608.4	391.0	389.9	1.14	343.166					
6,882.6	6,400.0	6,456.0	5,979.6	1.5	1.3	-149.44	1,650.0	1,608.4	423.7	421.0	2.69	157.589					
6,900.0	6,417.4	6,456.0	5,979.6	1.5	1.3	-33.29	1,650.0	1,608.4	440.9	439.7	1.22	360.888					
7,000.0	6,517.4	6,456.0	5,979.6	1.5	1.3	-28.88	1,650.0	1,608.4	540.2	539.0	1.22	442.667					
7,100.0	6,617.3	6,456.0	5,979.6	1.4	1.3	-24.82	1,650.0	1,608.4	639.6	638.5	1.17	544.410					
7,192.6	6,709.8	6,456.0	5,979.6	1.4	1.3	-21.50	1,650.0	1,608.4	731.7	730.6	1.09	670.645					
7,200.0	6,717.2	6,456.0	5,979.6	1.4	1.3	-21.50	1,650.0	1,608.4	739.0	738.0	1.08	681.267					

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 22D-10 596 - NPR 22D-10 596 Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 417-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	121.73	-4.0	6.5	7.6	7.6	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.1	122.04	-4.0	6.4	7.5	7.2	0.29	25.723		
187.0	187.0	187.0	187.0	0.3	0.2	87.71	-4.0	6.3	7.2	6.7	0.50	14.491	CC, ES	
304.0	303.4	303.4	303.4	0.6	0.3	148.14	-3.9	5.9	13.2	12.1	1.19	11.154		
395.0	393.1	393.1	393.1	0.9	0.4	171.94	-3.8	5.5	27.5	25.7	1.77	15.539		
488.0	484.4	484.8	484.8	1.3	0.6	174.00	-3.6	5.5	45.3	43.1	2.19	20.661		
580.0	574.3	576.4	576.4	1.6	0.8	174.05	-2.5	7.1	62.7	60.2	2.53	24.833		
672.0	663.9	669.6	669.4	2.1	1.0	178.04	0.1	11.7	79.2	76.3	2.96	26.757		
765.0	753.9	764.3	763.7	2.5	1.2	175.60	5.1	19.4	94.7	91.3	3.39	27.953		
857.0	842.4	858.7	857.2	3.0	1.5	172.46	12.0	29.9	108.8	104.9	3.86	28.169		
949.0	930.3	953.1	950.2	3.6	1.8	168.38	20.8	43.3	122.0	117.6	4.37	27.913		
1,043.0	1,019.4	1,050.9	1,046.0	4.1	2.2	165.00	31.9	59.9	134.5	129.6	4.94	27.245		
1,137.0	1,107.8	1,149.9	1,142.0	4.8	2.6	165.05	46.1	79.2	145.5	140.0	5.56	26.181		
1,231.0	1,194.9	1,248.9	1,237.1	5.5	3.1	164.60	63.5	100.6	156.4	150.2	6.26	24.998		
1,326.0	1,280.8	1,348.7	1,331.9	6.2	3.7	161.97	83.9	124.3	168.9	161.9	7.00	24.139		
1,420.0	1,364.1	1,449.4	1,426.2	7.1	4.4	161.14	107.4	150.3	181.0	173.3	7.72	23.444		
1,515.0	1,447.6	1,555.0	1,523.2	7.9	5.1	162.62	136.4	180.5	189.5	181.0	8.49	22.321		
1,610.0	1,531.0	1,654.3	1,612.8	8.8	5.9	163.80	167.0	210.4	194.9	185.7	9.27	21.028		
1,704.0	1,613.1	1,752.6	1,700.6	9.6	6.8	165.02	199.6	240.3	198.9	188.9	10.05	19.790		
1,798.0	1,694.9	1,847.0	1,784.6	10.5	7.5	167.38	232.6	267.7	202.8	192.0	10.77	18.824		
1,892.0	1,776.8	1,940.5	1,868.0	11.3	8.2	166.94	265.8	293.9	206.8	195.3	11.46	18.039		
1,987.0	1,860.5	2,036.0	1,953.1	12.1	9.0	166.08	299.4	321.2	208.6	196.4	12.19	17.116		
2,082.0	1,944.9	2,131.8	2,038.3	12.9	9.8	165.62	333.1	349.2	208.5	195.6	12.92	16.132		
2,176.0	2,028.7	2,227.0	2,122.7	13.7	10.6	165.22	366.9	377.7	207.2	193.6	13.68	15.150		
2,270.0	2,113.0	2,321.8	2,206.5	14.4	11.5	165.48	400.5	406.8	204.2	189.8	14.46	14.129		
2,330.0	2,167.0	2,382.1	2,259.5	14.9	12.0	165.89	421.7	426.0	202.0	187.0	15.01	13.460		
2,394.0	2,224.4	2,444.0	2,314.0	15.4	12.6	164.95	442.9	446.5	200.1	184.4	15.64	12.792		
2,489.0	2,309.5	2,535.2	2,394.7	16.2	13.4	164.45	471.9	477.5	199.2	182.5	16.71	11.921		
2,583.0	2,394.0	2,627.0	2,476.2	17.0	14.1	159.29	500.1	508.6	198.7	180.9	17.78	11.172		
2,619.4	2,426.7	2,661.8	2,507.3	17.3	14.4	158.19	510.4	520.6	198.6	180.4	18.20	10.914		
2,678.0	2,479.5	2,718.6	2,558.0	17.7	14.9	156.36	526.4	540.4	198.8	179.9	18.89	10.524		
2,772.0	2,564.0	2,810.5	2,640.5	18.5	15.6	155.63	551.9	571.9	199.9	179.9	19.99	9.998		
2,866.0	2,648.9	2,902.1	2,723.3	19.3	16.3	155.57	576.7	602.4	201.4	180.3	21.07	9.556		
2,961.0	2,735.7	2,995.1	2,807.9	20.0	17.0	154.83	601.1	632.4	201.8	179.6	22.21	9.085		
2,993.0	2,765.2	3,026.9	2,836.8	20.2	17.3	154.37	609.4	642.5	201.7	179.1	22.62	8.917		
3,055.0	2,822.0	3,089.5	2,893.9	20.7	17.7	153.57	625.8	662.3	202.0	178.6	23.41	8.630		
3,150.0	2,909.1	3,186.5	2,981.6	21.4	18.5	152.91	651.5	694.8	201.6	176.8	24.84	8.116		
3,173.5	2,930.7	3,209.4	3,002.3	21.6	18.7	152.26	657.5	702.6	201.5	176.3	25.21	7.993		
3,244.0	2,995.0	3,278.2	3,064.6	22.1	19.3	150.61	675.5	725.5	202.4	176.1	26.24	7.710		
3,339.0	3,081.6	3,371.3	3,149.5	22.9	20.0	149.23	699.3	755.5	204.1	176.6	27.50	7.423		
3,433.0	3,167.7	3,465.1	3,235.5	23.6	20.7	150.34	723.1	784.6	206.0	177.3	28.72	7.174		
3,528.0	3,254.1	3,563.7	3,325.1	24.3	21.5	148.89	749.0	816.2	208.1	178.0	30.13	6.907		
3,622.0	3,339.2	3,656.7	3,409.5	25.1	22.2	147.59	773.7	846.6	210.6	179.1	31.46	6.693		
3,717.0	3,425.6	3,750.5	3,495.0	25.8	23.0	147.72	798.5	876.3	212.7	179.9	32.76	6.492		
3,811.0	3,511.0	3,844.3	3,580.7	26.6	23.7	147.34	822.9	905.4	215.9	181.9	34.01	6.348		
3,905.0	3,595.6	3,940.9	3,668.5	27.4	24.5	144.88	848.8	936.3	219.0	183.8	35.26	6.211		
4,000.0	3,681.5	4,033.3	3,752.3	28.1	25.2	143.49	873.2	966.6	221.2	184.7	36.51	6.059		
4,094.0	3,766.8	4,125.4	3,836.2	28.9	25.9	142.50	896.6	996.5	223.3	185.6	37.74	5.917		
4,188.0	3,852.4	4,218.3	3,921.3	29.6	26.6	142.42	919.8	1,025.7	225.4	186.6	38.87	5.800		
4,283.0	3,939.7	4,315.1	4,009.7	30.3	27.4	142.25	944.2	1,056.6	225.7	185.5	40.23	5.611		
4,307.9	3,962.7	4,339.8	4,032.2	30.5	27.6	142.08	950.5	1,064.5	225.6	185.0	40.63	5.553		
4,377.0	4,025.9	4,408.1	4,094.6	31.0	28.1	141.81	967.8	1,086.4	226.4	184.8	41.64	5.437		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 22D-10 596 - NPR 22D-10 596 Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 417-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,472.0	4,112.3	4,502.4	4,181.1	31.8	28.9	142.78	991.4	1,115.6	229.4	186.5	42.84	5.355		
4,566.0	4,198.3	4,599.2	4,269.3	32.5	29.6	143.15	1,016.1	1,146.8	231.1	186.8	44.37	5.209		
4,661.0	4,285.9	4,692.1	4,354.0	33.2	30.3	142.70	1,039.9	1,176.8	232.1	186.0	46.10	5.034		
4,755.0	4,373.0	4,784.9	4,439.2	33.8	31.1	141.89	1,063.3	1,205.3	232.9	185.1	47.75	4.876		
4,849.0	4,460.7	4,877.9	4,524.5	34.5	31.8	139.34	1,086.2	1,234.2	232.9	183.3	49.56	4.699		
4,943.0	4,548.7	4,971.5	4,610.4	35.1	32.5	138.85	1,109.2	1,263.5	232.5	181.0	51.51	4.513		
4,967.9	4,572.1	4,996.0	4,632.9	35.3	32.7	137.34	1,115.2	1,271.0	232.4	180.4	52.01	4.469		
5,038.0	4,637.1	5,065.2	4,696.6	35.8	33.2	133.86	1,131.9	1,292.1	232.8	179.6	53.18	4.377		
5,132.0	4,723.2	5,158.8	4,783.0	36.5	33.9	133.94	1,154.4	1,320.2	235.2	180.8	54.36	4.326		
5,227.0	4,809.5	5,252.6	4,869.7	37.3	34.6	135.28	1,176.8	1,348.2	239.4	184.1	55.31	4.329		
5,322.0	4,895.9	5,342.5	4,953.4	38.0	35.2	136.44	1,197.1	1,374.3	245.2	189.0	56.20	4.363		
5,416.0	4,981.5	5,432.0	5,037.1	38.7	35.8	138.63	1,216.0	1,399.7	252.9	195.8	57.07	4.431		
5,511.0	5,068.6	5,522.3	5,122.3	39.5	36.4	139.02	1,233.7	1,423.6	261.7	203.8	57.85	4.523		
5,606.0	5,156.6	5,617.1	5,212.5	40.1	37.0	138.82	1,251.5	1,447.0	269.5	210.9	58.59	4.600		
5,700.0	5,244.5	5,709.6	5,300.5	40.8	37.5	139.06	1,268.8	1,469.6	275.6	216.2	59.41	4.639		
5,795.0	5,334.6	5,804.7	5,391.1	41.3	38.1	137.08	1,286.4	1,492.3	279.0	218.6	60.39	4.621		
5,889.0	5,424.3	5,899.4	5,481.5	41.9	38.6	136.70	1,304.1	1,514.3	280.5	219.1	61.44	4.565		
5,984.0	5,515.4	5,993.8	5,571.6	42.4	39.2	132.61	1,321.8	1,536.2	280.2	217.8	62.45	4.487		
6,060.0	5,588.9	6,070.0	5,644.3	42.8	39.6	134.03	1,336.0	1,553.9	278.0	214.5	63.54	4.375		
6,100.0	5,627.8	6,108.6	5,681.2	42.9	39.8	138.68	1,343.3	1,562.8	277.0	212.8	64.24	4.312		
6,106.5	5,634.0	6,114.5	5,686.9	42.9	39.9	139.37	1,344.3	1,564.2	277.0	212.7	64.34	4.306		
6,160.0	5,685.7	6,163.5	5,733.9	43.1	40.1	144.50	1,352.9	1,575.0	278.4	213.4	65.03	4.282		
6,200.0	5,724.2	6,200.3	5,769.4	43.2	40.3	144.03	1,358.8	1,582.6	280.5	215.0	65.51	4.282		
6,300.0	5,821.3	6,293.7	5,860.2	43.5	40.7	142.91	1,372.3	1,599.5	284.9	218.4	66.52	4.283		
6,400.0	5,919.4	6,390.1	5,954.8	43.7	41.1	141.83	1,384.7	1,613.2	287.4	220.2	67.22	4.276		
6,500.0	6,018.2	6,486.3	6,049.7	43.9	41.4	140.20	1,395.9	1,624.6	287.6	219.7	67.86	4.238		
6,600.0	6,117.6	6,582.2	6,144.5	44.1	41.8	137.07	1,405.9	1,635.0	285.5	216.8	68.66	4.158		
6,700.0	6,217.4	6,676.1	6,237.6	44.2	42.0	128.90	1,414.0	1,643.8	281.6	212.1	69.53	4.051		
6,805.6	6,323.0	6,774.3	6,335.5	44.2	42.2	26.51	1,419.9	1,650.8	276.5	206.1	70.42	3.927		
6,849.7	6,367.1	6,817.5	6,378.5	44.2	42.3	26.02	1,421.9	1,653.2	274.1	203.3	70.86	3.869		
6,882.6	6,400.0	6,850.0	6,410.9	44.2	42.4	175.82	1,423.3	1,654.9	272.6	192.8	79.78	3.417		
6,900.0	6,417.4	6,866.3	6,427.2	44.2	42.4	-68.99	1,424.0	1,655.6	272.0	200.6	71.39	3.809		
7,000.0	6,517.4	6,961.4	6,522.2	44.2	42.5	-69.96	1,426.9	1,658.7	268.8	196.6	72.18	3.724		
7,100.0	6,617.3	7,056.9	6,617.6	44.2	42.6	-70.74	1,427.7	1,659.6	267.0	194.2	72.78	3.669		
7,192.6	6,709.8	7,149.0	6,709.8	44.1	42.7	-71.59	1,427.8	1,659.5	265.6	192.2	73.38	3.619		
7,200.0	6,717.2	7,156.4	6,717.2	44.1	42.7	-71.66	1,427.8	1,659.4	265.5	192.0	73.43	3.615		
7,300.0	6,817.1	7,255.9	6,816.7	44.1	42.7	-72.65	1,427.6	1,658.9	263.9	189.8	74.13	3.560		
7,400.0	6,916.9	7,355.6	6,916.4	44.0	42.8	-73.58	1,427.3	1,658.0	262.5	187.7	74.77	3.511		
7,500.0	7,016.8	7,455.8	7,016.6	44.0	42.8	-74.51	1,427.0	1,657.1	261.2	185.8	75.41	3.463		
7,600.0	7,116.6	7,556.0	7,116.7	43.9	42.9	-75.49	1,426.8	1,656.3	259.8	183.7	76.05	3.416		
7,700.0	7,216.5	7,656.1	7,216.9	43.9	43.0	-76.49	1,426.8	1,655.6	258.4	181.7	76.69	3.369		
7,800.0	7,316.3	7,756.3	7,317.0	43.8	43.0	-77.47	1,426.8	1,654.7	256.9	179.6	77.31	3.323		
7,900.0	7,416.2	7,856.4	7,417.2	43.8	43.1	-78.43	1,426.9	1,653.7	255.5	177.6	77.90	3.279		
8,000.0	7,516.0	7,956.3	7,517.0	43.8	43.1	-79.35	1,427.0	1,652.4	254.0	175.6	78.44	3.238		
8,100.0	7,615.9	8,056.0	7,616.7	43.7	43.2	-80.17	1,426.9	1,650.7	252.7	173.8	78.92	3.202		
8,200.0	7,715.7	8,155.7	7,716.4	43.7	43.3	-80.90	1,426.6	1,648.6	251.5	172.2	79.33	3.170		
8,300.0	7,815.6	8,255.3	7,815.9	43.7	43.3	-81.55	1,426.1	1,646.1	250.5	170.8	79.69	3.143		
8,400.0	7,915.5	8,354.8	7,915.4	43.6	43.3	-82.14	1,425.4	1,643.5	249.6	169.6	80.00	3.120		
8,500.0	8,015.3	8,454.3	8,014.9	43.6	43.4	-82.68	1,424.4	1,640.7	249.0	168.7	80.29	3.101		
8,600.0	8,115.2	8,554.2	8,114.8	43.6	43.4	-83.18	1,423.2	1,637.7	248.5	167.9	80.54	3.085		
8,700.0	8,215.0	8,654.1	8,214.6	43.5	43.4	-83.66	1,422.0	1,634.6	248.0	167.3	80.78	3.070		
8,800.0	8,314.9	8,754.0	8,314.4	43.5	43.5	-84.11	1,420.7	1,631.4	247.6	166.6	81.00	3.057		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

K10 596 Pad Sec.10-T5S-R96W - NPR 22D-10 596 - NPR 22D-10 596 Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 417-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,900.0	8,414.7	8,853.5	8,413.8	43.5	43.5	-84.47	1,419.2	1,627.9	247.4	166.2	81.17	3.047		
8,985.9	8,500.5	8,939.0	8,499.2	43.4	43.5	-84.68	1,417.6	1,624.6	247.3	166.0	81.27	3.043		
9,000.0	8,514.6	8,953.0	8,513.3	43.4	43.5	-84.70	1,417.3	1,624.0	247.3	166.0	81.28	3.042		
9,100.0	8,614.4	9,052.6	8,612.7	43.4	43.5	-84.82	1,415.0	1,619.6	247.4	166.1	81.33	3.042 SF		
9,200.0	8,714.3	9,152.3	8,712.3	43.4	43.5	-84.81	1,412.5	1,614.8	247.7	166.3	81.31	3.046		
9,300.0	8,814.1	9,252.1	8,811.9	43.4	43.5	-84.67	1,409.6	1,609.5	248.0	166.8	81.23	3.053		
9,400.0	8,914.0	9,352.0	8,911.6	43.4	43.5	-84.41	1,406.5	1,603.7	248.5	167.4	81.10	3.064		
9,500.0	9,013.8	9,452.4	9,011.7	43.3	43.5	-84.09	1,403.4	1,597.6	248.8	167.9	80.92	3.075		
9,600.0	9,113.7	9,552.7	9,111.8	43.3	43.5	-83.70	1,400.3	1,591.2	249.0	168.3	80.72	3.085		
9,700.0	9,213.6	9,651.4	9,210.2	43.3	43.5	-83.24	1,397.1	1,584.6	249.3	168.9	80.47	3.099		
9,800.0	9,313.4	9,748.9	9,307.4	43.3	43.5	-82.61	1,392.8	1,577.6	250.5	170.4	80.13	3.127		
9,900.0	9,413.3	9,846.4	9,404.4	43.3	43.4	-81.81	1,387.5	1,570.1	252.8	173.1	79.70	3.171		
10,000.0	9,513.1	9,943.9	9,501.4	43.3	43.4	-80.85	1,381.0	1,562.2	256.0	176.8	79.19	3.233		
10,091.0	9,604.0	10,007.0	9,564.1	43.3	43.4	-80.20	1,376.5	1,557.0	260.9	182.1	78.82	3.310		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 23A-10 596 - NPR 23A-10 596 Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	124.11	-8.0	11.8	14.3	14.3	0.00	N/A		
130.0	130.0	130.0	130.0	0.1	0.1	124.11	-8.0	11.8	14.3	14.0	0.29	48.904		
216.7	216.6	216.6	216.5	0.4	0.3	86.44	-7.2	12.8	14.2	13.5	0.71	20.076 CC, ES		
304.0	303.4	303.7	303.6	0.6	0.5	108.44	-4.8	15.8	15.3	14.1	1.17	13.097		
395.0	393.1	394.5	394.1	0.9	0.8	136.63	-0.5	21.1	21.0	19.2	1.84	11.399		
488.0	484.4	487.5	486.6	1.3	1.0	142.48	5.4	29.3	29.3	26.9	2.38	12.323		
580.0	574.3	580.2	578.3	1.6	1.3	143.48	13.4	40.1	36.5	33.6	2.90	12.594		
672.0	663.9	672.9	669.4	2.1	1.7	147.17	24.1	53.3	42.8	39.3	3.54	12.097		
765.0	753.9	766.3	760.7	2.5	2.1	144.39	36.4	68.4	49.8	45.6	4.21	11.817		
857.0	842.4	858.4	850.3	3.0	2.5	140.48	49.5	85.7	57.0	52.0	4.98	11.447		
949.0	930.3	951.2	939.9	3.6	2.9	135.99	63.7	105.1	64.4	58.6	5.83	11.044		
1,043.0	1,019.4	1,045.6	1,030.4	4.1	3.5	132.58	80.0	126.7	71.0	64.2	6.78	10.475		
1,137.0	1,107.8	1,140.2	1,120.2	4.8	4.0	131.82	97.1	150.9	78.3	70.5	7.86	9.970		
1,231.0	1,194.9	1,234.9	1,209.3	5.5	4.7	131.06	115.8	176.8	87.0	78.0	9.01	9.649		
1,326.0	1,280.8	1,329.9	1,298.2	6.2	5.3	129.53	135.5	203.9	97.7	87.5	10.18	9.592		
1,420.0	1,364.1	1,423.8	1,385.5	7.1	6.0	130.27	155.7	232.1	109.2	97.9	11.31	9.657		
1,515.0	1,447.6	1,520.3	1,474.2	7.9	6.8	132.44	177.7	263.1	120.6	108.1	12.53	9.627		
1,610.0	1,531.0	1,618.2	1,563.2	8.8	7.5	133.85	202.3	295.5	130.8	117.0	13.80	9.475		
1,704.0	1,613.1	1,715.1	1,650.7	9.6	8.3	135.11	229.2	327.4	139.5	124.4	15.10	9.238		
1,798.0	1,694.9	1,812.7	1,738.0	10.5	9.2	137.02	258.6	359.5	147.3	130.9	16.43	8.970		
1,892.0	1,776.8	1,908.1	1,823.1	11.3	9.9	136.15	289.3	389.8	153.5	135.8	17.70	8.673		
1,987.0	1,860.5	2,005.6	1,910.0	12.1	10.7	134.98	321.6	419.9	156.7	137.7	18.95	8.266		
2,082.0	1,944.9	2,101.0	1,995.1	12.9	11.5	134.46	354.3	448.1	157.1	137.0	20.12	7.807		
2,176.0	2,028.7	2,196.2	2,079.9	13.7	12.3	134.02	387.2	476.2	156.4	135.1	21.32	7.335		
2,270.0	2,113.0	2,291.0	2,163.6	14.4	13.2	133.63	420.6	505.5	154.1	131.4	22.71	6.785		
2,330.0	2,167.0	2,349.2	2,214.8	14.9	13.7	133.51	441.1	524.3	152.7	129.0	23.69	6.447		
2,362.5	2,196.1	2,380.2	2,242.0	15.1	14.0	132.76	451.6	534.6	152.5	128.3	24.26	6.289		
2,394.0	2,224.4	2,410.2	2,268.4	15.4	14.2	132.00	461.6	544.9	152.7	127.9	24.82	6.152		
2,489.0	2,309.5	2,497.0	2,344.9	16.2	15.0	130.84	488.6	575.7	155.7	129.1	26.57	5.859		
2,583.0	2,394.0	2,586.7	2,424.4	17.0	15.7	124.47	513.4	609.3	161.1	132.7	28.47	5.659		
2,678.0	2,479.5	2,679.5	2,506.7	17.7	16.5	120.46	536.7	645.2	167.4	137.0	30.39	5.508		
2,772.0	2,564.0	2,769.5	2,586.8	18.5	17.3	118.85	558.0	680.2	174.6	142.3	32.21	5.419		
2,866.0	2,648.9	2,859.7	2,667.4	19.3	18.0	117.95	577.5	715.5	183.7	149.6	34.01	5.400		
2,961.0	2,735.7	2,954.0	2,752.0	20.0	18.8	116.10	597.0	752.4	193.2	157.3	35.89	5.382		
3,055.0	2,822.0	3,047.5	2,836.2	20.7	19.6	113.73	616.4	788.1	202.2	164.5	37.73	5.360 SF		
3,150.0	2,909.1	3,140.9	2,920.6	21.4	20.3	112.95	635.4	823.5	212.1	172.6	39.47	5.373		
3,244.0	2,995.0	3,233.4	3,004.3	22.1	21.1	110.59	653.7	858.3	222.6	181.4	41.17	5.407		
3,339.0	3,081.6	3,330.3	3,092.3	22.9	21.8	109.37	672.8	893.9	232.7	189.9	42.77	5.441		
3,433.0	3,167.7	3,426.1	3,180.3	23.6	22.6	110.82	692.0	926.7	241.7	197.5	44.22	5.466		
3,528.0	3,254.1	3,519.6	3,266.6	24.3	23.2	110.42	710.4	957.3	251.5	205.9	45.60	5.514		
3,622.0	3,339.2	3,611.6	3,351.9	25.1	23.9	110.45	728.0	987.3	261.7	214.8	46.87	5.583		
3,717.0	3,425.6	3,706.9	3,440.2	25.8	24.6	111.71	745.9	1,018.2	271.9	223.7	48.16	5.646		
3,811.0	3,511.0	3,801.0	3,527.4	26.6	25.3	112.10	763.9	1,048.7	282.2	232.7	49.49	5.703		
3,905.0	3,595.6	3,894.5	3,614.2	27.4	25.9	110.73	781.8	1,078.5	292.3	241.6	50.74	5.760		
4,000.0	3,681.5	3,988.2	3,701.4	28.1	26.6	110.62	799.4	1,107.9	301.3	249.4	51.91	5.804		
4,094.0	3,766.8	4,081.9	3,788.9	28.9	27.2	110.77	816.6	1,136.6	309.5	256.5	53.06	5.834		
4,188.0	3,852.4	4,176.8	3,877.7	29.6	27.9	111.66	834.2	1,165.3	317.1	263.0	54.17	5.854		
4,283.0	3,939.7	4,270.3	3,965.2	30.3	28.5	112.62	851.5	1,193.3	324.1	268.8	55.32	5.860		
4,377.0	4,025.9	4,365.5	4,054.3	31.0	29.2	113.12	869.0	1,221.8	331.7	275.1	56.52	5.868		
4,472.0	4,112.3	4,458.3	4,141.2	31.8	29.8	114.98	886.2	1,249.3	340.2	282.6	57.63	5.904		
4,566.0	4,198.3	4,552.3	4,229.7	32.5	30.4	116.96	903.0	1,276.3	349.5	290.8	58.64	5.959		
4,661.0	4,285.9	4,648.0	4,320.0	33.2	31.0	118.18	920.1	1,302.9	358.3	298.6	59.70	6.002		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,755.0	4,373.0	4,740.8	4,408.0	33.8	31.6	118.99	936.5	1,327.3	366.7	306.0	60.67	6.044		
4,849.0	4,460.7	4,833.6	4,496.7	34.5	32.1	118.36	952.0	1,349.8	374.4	312.9	61.57	6.082		
4,943.0	4,548.7	4,927.4	4,586.7	35.1	32.7	120.06	967.4	1,371.5	381.8	319.5	62.37	6.122		
5,038.0	4,637.1	5,021.3	4,677.0	35.8	33.2	116.87	982.5	1,392.0	389.1	326.0	63.13	6.164		
5,132.0	4,723.2	5,115.7	4,768.2	36.5	33.6	118.51	997.4	1,411.5	397.2	333.6	63.60	6.245		
5,227.0	4,809.5	5,209.2	4,858.6	37.3	34.1	121.43	1,012.4	1,430.3	406.6	342.8	63.85	6.369		
5,322.0	4,895.9	5,304.8	4,951.2	38.0	34.6	124.22	1,027.5	1,448.4	416.9	353.0	63.98	6.516		
5,416.0	4,981.5	5,397.1	5,040.8	38.7	35.0	127.93	1,042.5	1,465.1	427.8	363.7	64.06	6.679		
5,511.0	5,068.6	5,489.7	5,130.7	39.5	35.4	129.70	1,057.2	1,481.1	439.1	375.0	64.13	6.847		
5,606.0	5,156.6	5,580.7	5,219.3	40.1	35.8	130.51	1,071.4	1,496.5	449.2	385.0	64.28	6.988		
5,700.0	5,244.5	5,672.2	5,308.6	40.8	36.2	131.93	1,084.9	1,511.0	458.6	394.2	64.39	7.123		
5,795.0	5,334.6	5,766.8	5,401.1	41.3	36.6	131.16	1,098.8	1,525.8	465.6	401.0	64.57	7.211		
5,889.0	5,424.3	5,856.0	5,488.2	41.9	37.0	131.85	1,111.8	1,539.2	471.2	406.3	64.84	7.267		
5,984.0	5,515.4	5,945.9	5,576.4	42.4	37.4	128.90	1,123.6	1,552.5	476.5	411.5	65.01	7.329		
6,060.0	5,588.9	6,021.2	5,650.3	42.8	37.7	131.51	1,133.2	1,563.4	479.1	413.9	65.20	7.348		
6,100.0	5,627.8	6,061.3	5,689.7	42.9	37.8	136.80	1,138.3	1,569.0	480.7	415.4	65.38	7.353		
6,160.0	5,685.7	6,117.1	5,744.5	43.1	38.0	143.46	1,145.3	1,576.7	485.3	419.9	65.46	7.414		
6,200.0	5,724.2	6,151.7	5,778.6	43.2	38.1	143.50	1,149.3	1,581.2	489.4	423.9	65.55	7.466		
6,300.0	5,821.3	6,239.2	5,864.9	43.5	38.4	143.35	1,157.7	1,592.2	498.8	433.0	65.79	7.582		
6,400.0	5,919.4	6,329.8	5,954.7	43.7	38.7	142.82	1,164.5	1,602.6	506.8	440.7	66.05	7.673		
6,500.0	6,018.2	6,425.2	6,049.3	43.9	39.0	141.61	1,170.4	1,612.7	512.4	446.0	66.38	7.720		
6,600.0	6,117.6	6,516.7	6,140.4	44.1	39.2	139.09	1,175.3	1,620.9	515.3	448.6	66.67	7.728		
6,700.0	6,217.4	6,604.3	6,227.7	44.2	39.3	131.76	1,178.0	1,626.5	516.8	450.0	66.85	7.730		
6,805.6	6,323.0	6,699.3	6,322.6	44.2	39.5	30.37	1,178.8	1,629.9	516.8	449.9	66.93	7.722		
6,849.7	6,367.1	6,739.6	6,363.0	44.2	39.5	30.30	1,178.6	1,630.7	516.6	449.6	67.03	7.707		
6,854.2	6,371.5	6,743.7	6,367.1	44.2	39.5	30.30	1,178.6	1,630.8	516.6	449.5	67.05	7.705		
6,882.6	6,400.0	6,769.6	6,393.0	44.2	39.5	-179.57	1,178.3	1,631.1	516.8	438.5	78.26	6.604		
6,900.0	6,417.4	6,785.4	6,408.7	44.2	39.5	-64.23	1,178.0	1,631.3	517.0	449.9	67.18	7.697		
7,000.0	6,517.4	6,879.6	6,502.9	44.2	39.6	-64.41	1,175.7	1,632.1	519.0	451.6	67.35	7.705		
7,100.0	6,617.3	6,981.0	6,604.3	44.2	39.6	-64.75	1,173.0	1,632.6	520.4	452.7	67.63	7.695		
7,192.6	6,709.8	7,074.3	6,697.6	44.1	39.7	-65.20	1,170.8	1,632.9	520.8	452.8	67.96	7.663		
7,200.0	6,717.2	7,081.8	6,705.0	44.1	39.7	-65.24	1,170.6	1,632.9	520.8	452.8	68.00	7.660		
7,300.0	6,817.1	7,181.7	6,804.9	44.1	39.7	-65.76	1,168.3	1,632.7	520.9	452.5	68.40	7.615		
7,400.0	6,916.9	7,281.7	6,904.8	44.0	39.8	-66.26	1,165.9	1,632.4	521.0	452.3	68.79	7.575		
7,500.0	7,016.8	7,382.4	7,005.6	44.0	39.8	-66.78	1,163.7	1,632.2	521.1	451.9	69.19	7.532		
7,600.0	7,116.6	7,483.2	7,106.4	43.9	39.9	-67.32	1,161.6	1,632.2	521.1	451.5	69.60	7.487		
7,700.0	7,216.5	7,583.4	7,206.5	43.9	40.0	-67.87	1,159.7	1,632.2	520.9	450.9	70.01	7.441		
7,800.0	7,316.3	7,683.3	7,306.4	43.8	40.0	-68.40	1,157.8	1,632.2	520.8	450.4	70.42	7.396		
7,900.0	7,416.2	7,783.2	7,406.3	43.8	40.1	-68.93	1,155.8	1,632.1	520.8	449.9	70.82	7.354		
7,997.2	7,513.3	7,880.3	7,503.4	43.8	40.2	-69.44	1,154.0	1,632.0	520.7	449.5	71.20	7.314		
8,000.0	7,516.0	7,883.1	7,506.2	43.8	40.2	-69.46	1,153.9	1,632.0	520.7	449.5	71.21	7.313		
8,053.2	7,569.1	7,936.2	7,559.3	43.7	40.2	-69.74	1,152.9	1,631.9	520.7	449.3	71.42	7.291		
8,100.0	7,615.9	7,982.0	7,605.1	43.7	40.2	-69.98	1,152.0	1,631.9	520.8	449.2	71.60	7.274		
8,200.0	7,715.7	8,080.7	7,703.7	43.7	40.3	-70.47	1,149.9	1,631.6	521.1	449.1	71.96	7.241		
8,300.0	7,815.6	8,183.6	7,806.6	43.7	40.3	-70.94	1,147.7	1,630.8	521.3	449.0	72.30	7.210		
8,400.0	7,915.5	8,286.7	7,909.6	43.6	40.4	-71.36	1,146.1	1,629.5	521.0	448.4	72.60	7.175		
8,500.0	8,015.3	8,388.2	8,011.2	43.6	40.5	-71.73	1,145.0	1,627.7	520.1	447.2	72.87	7.137		
8,600.0	8,115.2	8,486.6	8,109.5	43.6	40.5	-72.07	1,143.8	1,625.9	519.4	446.3	73.12	7.104		
8,700.0	8,215.0	8,585.7	8,208.6	43.5	40.6	-72.42	1,142.4	1,624.2	518.9	445.5	73.37	7.072		
8,800.0	8,314.9	8,684.9	8,307.8	43.5	40.6	-72.78	1,140.9	1,622.5	518.6	444.9	73.63	7.043		
8,885.0	8,399.8	8,768.7	8,391.6	43.5	40.7	-73.10	1,139.5	1,621.3	518.5	444.6	73.86	7.020		
8,900.0	8,414.7	8,783.4	8,406.3	43.5	40.7	-73.16	1,139.2	1,621.1	518.5	444.6	73.90	7.016		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

K10 596 Pad Sec.10-T5S-R96W - NPR 23A-10 596 - NPR 23A-10 596 Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Tooface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
9,000.0	8,514.6	8,881.2	8,504.0	43.4	40.7	-73.57	1,137.3	1,620.0	518.7	444.6	74.19	6.992		
9,100.0	8,614.4	8,980.1	8,602.9	43.4	40.8	-74.02	1,135.0	1,619.3	519.4	444.9	74.51	6.971		
9,200.0	8,714.3	9,080.0	8,702.8	43.4	40.9	-74.48	1,132.6	1,618.7	520.2	445.3	74.83	6.951		
9,300.0	8,814.1	9,179.9	8,802.7	43.4	40.9	-74.94	1,130.3	1,618.0	520.9	445.8	75.16	6.931		
9,400.0	8,914.0	9,279.8	8,902.6	43.4	41.0	-75.39	1,127.9	1,617.4	521.7	446.3	75.47	6.913		
9,500.0	9,013.8	9,379.8	9,002.4	43.3	41.1	-75.85	1,125.6	1,616.7	522.6	446.8	75.79	6.895		
9,600.0	9,113.7	9,479.7	9,102.3	43.3	41.1	-76.30	1,123.2	1,616.0	523.5	447.4	76.10	6.878		
9,700.0	9,213.6	9,579.6	9,202.2	43.3	41.2	-76.75	1,120.8	1,615.4	524.4	448.0	76.41	6.863		
9,800.0	9,313.4	9,679.5	9,302.1	43.3	41.3	-77.20	1,118.5	1,614.7	525.3	448.6	76.71	6.848		
9,900.0	9,413.3	9,779.4	9,402.0	43.3	41.3	-77.65	1,116.1	1,614.1	526.3	449.3	77.02	6.834		
10,000.0	9,513.1	9,879.3	9,501.8	43.3	41.4	-78.10	1,113.8	1,613.4	527.3	450.0	77.31	6.820		
10,091.0	9,604.0	9,955.0	9,577.5	43.3	41.5	-78.44	1,112.0	1,612.9	528.5	450.9	77.53	6.816		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 23B-10 596 - NPR 23B-10 596 Wellbore #1 - NPR 23B-10 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	125.25	-17.1	24.2	29.7					
130.0	130.0	130.0	130.0	0.1	0.1	125.25	-17.1	24.2	29.7	29.4	0.29	101.521	CC, ES	
304.0	303.4	302.8	302.4	0.6	0.6	85.21	-11.3	32.6	31.1	29.9	1.14	27.232		
395.0	393.1	392.3	391.0	0.9	0.8	98.79	-5.7	43.6	36.0	34.3	1.74	20.738		
488.0	484.4	483.6	480.7	1.3	1.2	99.86	0.1	59.4	45.7	43.2	2.44	18.709		
580.0	574.3	575.2	570.1	1.6	1.6	98.74	7.2	78.3	56.1	52.9	3.21	17.484		
672.0	663.9	667.1	659.1	2.1	2.0	102.13	16.7	99.0	66.9	62.9	4.06	16.503		
765.0	753.9	760.1	748.7	2.5	2.5	100.39	28.4	121.0	78.2	73.2	4.98	15.709		
857.0	842.4	850.9	835.5	3.0	3.1	97.83	41.5	144.1	89.1	83.1	5.97	14.929		
949.0	930.3	941.6	921.8	3.6	3.6	94.83	55.2	168.6	99.9	92.9	7.03	14.214		
1,043.0	1,019.4	1,034.0	1,009.1	4.1	4.2	92.56	69.8	195.1	110.7	102.5	8.19	13.515		
1,137.0	1,107.8	1,129.8	1,099.2	4.8	4.8	93.92	86.1	223.2	120.9	111.5	9.41	12.848		
1,231.0	1,194.9	1,226.3	1,190.6	5.5	5.4	96.69	103.2	249.0	129.7	119.0	10.65	12.175		
1,326.0	1,280.8	1,317.6	1,276.8	6.2	5.9	98.09	120.1	274.0	138.7	126.7	12.01	11.549		
1,420.0	1,364.1	1,407.9	1,360.6	7.1	6.6	100.20	137.6	302.6	149.3	135.8	13.49	11.070		
1,515.0	1,447.6	1,503.7	1,448.7	7.9	7.3	104.02	157.0	335.1	161.0	146.0	15.01	10.731		
1,610.0	1,531.0	1,599.1	1,535.8	8.8	8.1	107.14	177.8	367.7	173.0	156.5	16.52	10.476		
1,704.0	1,613.1	1,688.2	1,616.8	9.6	8.8	109.60	197.4	399.5	186.7	168.7	17.99	10.377		
1,798.0	1,694.9	1,774.1	1,694.8	10.5	9.5	112.91	214.2	431.2	204.6	185.2	19.39	10.549		
1,892.0	1,776.8	1,863.3	1,776.0	11.3	10.2	113.22	229.5	464.7	225.3	204.5	20.79	10.837		
1,987.0	1,860.5	1,955.9	1,860.6	12.1	10.9	113.12	244.8	499.1	245.1	223.0	22.16	11.061		
2,082.0	1,944.9	2,048.9	1,946.4	12.9	11.6	113.15	259.4	532.1	263.7	240.2	23.50	11.219		
2,176.0	2,028.7	2,142.3	2,033.3	13.7	12.2	113.74	273.3	563.2	281.3	256.6	24.77	11.356		
2,270.0	2,113.0	2,235.4	2,120.2	14.4	12.9	115.07	287.4	593.4	298.0	272.0	26.00	11.463		
2,330.0	2,167.0	2,295.2	2,175.8	14.9	13.3	116.13	296.7	613.3	308.7	281.8	26.82	11.507		
2,394.0	2,224.4	2,359.7	2,235.5	15.4	13.8	115.94	307.2	635.4	320.1	292.3	27.79	11.518		
2,489.0	2,309.5	2,455.6	2,323.6	16.2	14.6	116.99	324.0	669.4	336.6	307.4	29.24	11.513		
2,583.0	2,394.0	2,548.6	2,408.7	17.0	15.3	112.89	340.7	702.8	351.4	320.6	30.73	11.433		
2,678.0	2,479.5	2,640.8	2,493.2	17.7	16.0	111.09	357.1	735.9	364.3	332.1	32.18	11.321		
2,772.0	2,564.0	2,735.5	2,580.2	18.5	16.7	111.36	373.7	769.6	376.5	342.9	33.61	11.200		
2,866.0	2,648.9	2,829.1	2,666.4	19.3	17.4	112.46	390.1	802.0	388.4	353.5	34.97	11.107		
2,961.0	2,735.7	2,927.9	2,757.5	20.0	18.2	112.75	408.0	836.0	399.3	362.9	36.38	10.975		
3,055.0	2,822.0	3,028.4	2,849.5	20.7	19.0	111.91	427.8	871.2	408.4	370.5	37.92	10.771		
3,150.0	2,909.1	3,128.0	2,940.2	21.4	19.8	112.25	449.3	906.2	416.5	377.0	39.46	10.555		
3,244.0	2,995.0	3,224.4	3,028.1	22.1	20.6	110.75	470.8	939.6	423.9	382.9	40.98	10.344		
3,339.0	3,081.6	3,319.6	3,114.9	22.9	21.3	110.00	492.3	972.4	430.6	388.2	42.48	10.137		
3,433.0	3,167.7	3,412.3	3,199.4	23.6	22.0	111.51	513.1	1,004.0	437.5	393.6	43.89	9.967		
3,528.0	3,254.1	3,507.3	3,286.1	24.3	22.8	110.70	534.2	1,036.6	445.5	400.1	45.39	9.816		
3,622.0	3,339.2	3,599.8	3,370.8	25.1	23.5	110.21	554.6	1,067.7	453.5	406.7	46.81	9.688		
3,717.0	3,425.6	3,690.6	3,454.6	25.8	24.2	111.25	573.6	1,097.0	461.8	413.7	48.13	9.595		
3,811.0	3,511.0	3,781.3	3,539.0	26.6	24.8	111.61	591.3	1,125.3	471.3	421.9	49.41	9.539		
3,905.0	3,595.6	3,875.3	3,626.8	27.4	25.5	110.13	609.2	1,153.8	481.0	430.2	50.72	9.483		
4,000.0	3,681.5	3,969.4	3,714.9	28.1	26.1	109.93	626.9	1,181.5	489.2	437.3	51.94	9.419		
4,094.0	3,766.8	4,061.7	3,801.9	28.9	26.7	110.05	643.6	1,207.6	496.9	443.8	53.09	9.359		
4,188.0	3,852.4	4,154.2	3,889.3	29.6	27.3	110.99	659.9	1,233.0	504.4	450.2	54.18	9.308		
4,283.0	3,939.7	4,250.3	3,980.1	30.3	27.9	112.12	676.8	1,259.4	511.5	456.2	55.29	9.252		
4,377.0	4,025.9	4,342.6	4,067.3	31.0	28.5	112.73	693.3	1,284.6	518.7	462.3	56.40	9.197		
4,472.0	4,112.3	4,439.1	4,159.1	31.8	29.0	114.80	709.8	1,309.9	527.6	470.2	57.43	9.187		
4,566.0	4,198.3	4,535.6	4,250.9	32.5	29.6	116.95	726.9	1,334.1	535.9	477.5	58.38	9.179 SF		
4,661.0	4,285.9	4,623.9	4,335.3	33.2	30.1	118.39	742.1	1,355.0	544.4	485.2	59.28	9.184		
4,755.0	4,373.0	4,712.3	4,419.9	33.8	30.6	119.30	756.0	1,376.3	554.0	493.8	60.17	9.206		
4,849.0	4,460.7	4,805.8	4,509.5	34.5	31.1	118.54	770.5	1,398.8	562.9	501.7	61.13	9.208		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 23B-10 596 - NPR 23B-10 596 Wellbore #1 - NPR 23B-10 596													Offset Site Error:	0.0 ft
Survey Program: 130-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,943.0	4,548.7	4,900.3	4,600.3	35.1	31.6	120.06	785.0	1,420.8	571.2	509.2	62.02	9.210		
5,038.0	4,637.1	4,996.7	4,693.2	35.8	32.1	116.54	799.7	1,442.0	579.2	516.3	62.95	9.201		
5,132.0	4,723.2	5,084.1	4,777.5	36.5	32.6	117.47	813.0	1,460.6	587.8	524.1	63.71	9.227		
5,227.0	4,809.5	5,166.7	4,857.4	37.3	33.0	119.56	824.2	1,478.8	599.7	535.4	64.36	9.318		
5,322.0	4,895.9	5,256.6	4,944.3	38.0	33.5	121.53	835.1	1,498.6	613.4	548.4	64.99	9.439		
5,416.0	4,981.5	5,354.2	5,038.8	38.7	33.9	124.53	847.4	1,519.9	627.6	562.1	65.58	9.571		
5,511.0	5,068.6	5,446.9	5,128.5	39.5	34.4	125.63	859.5	1,539.7	641.3	575.1	66.21	9.686		
5,606.0	5,156.6	5,528.8	5,208.3	40.1	34.8	125.84	869.0	1,556.1	654.8	588.0	66.82	9.799		
5,700.0	5,244.5	5,616.1	5,293.4	40.8	35.1	126.77	877.9	1,573.0	668.0	600.6	67.37	9.915		
5,795.0	5,334.6	5,704.0	5,379.4	41.3	35.5	125.66	885.9	1,589.1	680.0	612.0	67.92	10.012		
5,889.0	5,424.3	5,780.3	5,454.6	41.9	35.8	126.07	891.2	1,601.2	691.8	623.5	68.38	10.117		
5,984.0	5,515.4	5,873.1	5,546.4	42.4	36.1	123.18	896.3	1,613.5	703.6	634.9	68.67	10.246		
6,060.0	5,588.9	5,943.2	5,615.9	42.8	36.3	125.97	900.1	1,622.1	711.3	642.5	68.81	10.338		
6,100.0	5,627.8	5,978.6	5,651.0	42.9	36.4	131.33	901.6	1,625.8	716.0	647.2	68.89	10.394		
6,160.0	5,685.7	6,035.4	5,707.6	43.1	36.5	138.21	903.8	1,630.7	725.5	656.7	68.77	10.549		
6,200.0	5,724.2	6,073.6	5,745.7	43.2	36.6	138.53	905.1	1,633.1	732.4	663.7	68.72	10.658		
6,300.0	5,821.3	6,161.0	5,833.0	43.5	36.7	139.12	907.3	1,636.5	748.3	679.8	68.51	10.923		
6,400.0	5,919.4	6,249.5	5,921.5	43.7	36.8	139.42	908.1	1,637.7	762.3	694.1	68.20	11.177		
6,500.0	6,018.2	6,348.6	6,020.6	43.9	36.8	139.19	908.2	1,637.3	773.7	705.9	67.81	11.410		
6,600.0	6,117.6	6,448.8	6,120.8	44.1	36.9	137.54	908.6	1,636.5	781.5	714.0	67.45	11.585		
6,700.0	6,217.4	6,544.8	6,216.8	44.2	37.0	130.80	908.8	1,635.9	785.9	718.7	67.19	11.697		
6,805.6	6,323.0	6,645.1	6,317.1	44.2	37.0	29.80	908.4	1,635.1	787.2	720.3	66.96	11.757		
6,849.7	6,367.1	6,693.5	6,365.5	44.2	37.1	29.85	908.1	1,634.7	787.0	720.1	66.97	11.752		
6,882.6	6,400.0	6,730.3	6,402.3	44.2	37.1	-179.96	908.2	1,634.5	786.9	712.5	74.38	10.579		
6,900.0	6,417.4	6,749.1	6,421.1	44.2	37.1	-64.59	908.2	1,634.4	786.8	719.7	67.04	11.735		
7,000.0	6,517.4	6,846.7	6,518.7	44.2	37.2	-64.63	908.6	1,633.8	785.9	718.8	67.11	11.712		
7,100.0	6,617.3	6,942.7	6,614.7	44.2	37.2	-64.79	908.4	1,633.3	784.8	717.6	67.23	11.673		
7,192.6	6,709.8	7,037.4	6,709.4	44.1	37.3	-65.08	908.3	1,633.1	783.2	715.7	67.44	11.614		
7,200.0	6,717.2	7,045.0	6,717.0	44.1	37.3	-65.11	908.3	1,633.1	783.0	715.6	67.45	11.608		
7,300.0	6,817.1	7,146.6	6,818.5	44.1	37.4	-65.41	908.3	1,632.3	780.6	713.0	67.69	11.533		
7,400.0	6,916.9	7,247.4	6,919.3	44.0	37.4	-65.62	908.5	1,630.1	778.2	710.3	67.84	11.471		
7,500.0	7,016.8	7,347.0	7,018.9	44.0	37.5	-65.83	908.9	1,628.1	775.5	707.5	68.00	11.405		
7,600.0	7,116.6	7,443.4	7,115.3	43.9	37.5	-66.06	908.8	1,626.4	773.4	705.2	68.17	11.345		
7,700.0	7,216.5	7,546.7	7,218.6	43.9	37.6	-66.29	908.7	1,624.5	771.2	702.9	68.35	11.284		
7,800.0	7,316.3	7,645.6	7,317.4	43.8	37.6	-66.45	909.1	1,621.6	768.6	700.1	68.47	11.226		
7,900.0	7,416.2	7,745.0	7,416.8	43.8	37.7	-66.59	908.9	1,618.6	766.6	698.0	68.58	11.178		
8,000.0	7,516.0	7,841.2	7,512.9	43.8	37.7	-66.72	908.9	1,615.6	764.3	695.7	68.67	11.130		
8,100.0	7,615.9	7,937.9	7,609.6	43.7	37.8	-66.84	908.0	1,612.3	763.0	694.2	68.76	11.096		
8,200.0	7,715.7	8,041.5	7,713.1	43.7	37.8	-66.96	907.2	1,608.8	761.5	692.7	68.86	11.059		
8,300.0	7,815.6	8,146.0	7,817.5	43.7	37.8	-67.01	906.9	1,604.3	759.4	690.5	68.90	11.022		
8,400.0	7,915.5	8,242.2	7,913.7	43.6	37.9	-67.08	906.9	1,600.4	757.2	688.3	68.96	10.980		
8,500.0	8,015.3	8,343.0	8,014.4	43.6	37.9	-67.18	906.5	1,596.8	755.4	686.3	69.05	10.939		
8,600.0	8,115.2	8,446.2	8,117.5	43.6	38.0	-67.29	906.4	1,593.1	753.2	684.0	69.15	10.892		
8,700.0	8,215.0	8,542.0	8,213.3	43.5	38.0	-67.41	906.1	1,589.9	751.2	682.0	69.26	10.847		
8,800.0	8,314.9	8,636.2	8,307.4	43.5	38.1	-67.55	905.2	1,587.1	750.0	680.6	69.38	10.809		
8,900.0	8,414.7	8,739.1	8,410.3	43.5	38.1	-67.72	904.3	1,584.2	748.7	679.2	69.53	10.767		
9,000.0	8,514.6	8,842.6	8,513.7	43.4	38.2	-67.89	903.7	1,581.2	747.0	677.3	69.68	10.720		
9,100.0	8,614.4	8,947.7	8,618.8	43.4	38.3	-68.08	903.7	1,578.3	744.8	675.0	69.86	10.662		
9,200.0	8,714.3	9,057.9	8,729.0	43.4	38.3	-68.30	905.0	1,575.7	741.5	671.5	70.06	10.584		
9,300.0	8,814.1	9,162.2	8,833.2	43.4	38.4	-68.55	907.4	1,573.5	737.1	666.8	70.28	10.487		
9,400.0	8,914.0	9,256.4	8,927.3	43.4	38.5	-68.82	909.5	1,572.1	732.7	662.2	70.51	10.392		
9,500.0	9,013.8	9,347.1	9,018.0	43.3	38.6	-69.03	910.5	1,570.0	729.6	658.9	70.69	10.320		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 23B-10 596 - NPR 23B-10 596 Wellbore #1 - NPR 23B-10 596												Offset Site Error:	0.0 ft
Survey Program: 130-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
9,600.0	9,113.7	9,441.9	9,112.8	43.3	38.6	-69.17	910.3	1,567.0	727.6	656.8	70.83	10.272	
9,700.0	9,213.6	9,540.8	9,211.6	43.3	38.7	-69.20	909.8	1,562.5	725.9	655.0	70.90	10.238	
9,800.0	9,313.4	9,630.8	9,301.5	43.3	38.7	-69.13	908.7	1,557.1	724.6	653.8	70.89	10.223	
9,812.4	9,325.7	9,641.2	9,311.8	43.3	38.7	-69.12	908.5	1,556.4	724.6	653.7	70.88	10.223	
9,900.0	9,413.3	9,714.5	9,384.9	43.3	38.7	-68.97	905.9	1,551.1	725.5	654.7	70.81	10.246	
10,000.0	9,513.1	9,802.0	9,471.9	43.3	38.7	-68.71	901.0	1,543.7	728.5	657.8	70.67	10.309	
10,091.0	9,604.0	9,890.5	9,559.9	43.3	38.7	-68.45	895.3	1,536.3	732.1	661.6	70.52	10.381	

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design		K10 596 Pad Sec.10-T5S-R96W - NPR 23C-10 596 - NPR 23C-10 596 Wellbore #1 - NPR 23C-10 596											Offset Site Error:		0.0 ft
Survey Program:		130-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	124.53	-21.1	30.7	37.3						
130.0	130.0	130.0	130.0	0.1	0.1	124.53	-21.1	30.7	37.3	37.0	0.29	127.552			
250.8	250.6	250.4	250.4	0.5	0.4	86.81	-20.4	31.8	36.9	36.1	0.86	42.779	CC, ES		
304.0	303.4	303.3	303.2	0.6	0.5	94.89	-19.7	32.9	37.3	36.2	1.12	33.365			
395.0	393.1	393.5	393.4	0.9	0.7	119.03	-17.9	35.7	41.8	40.0	1.73	24.159			
488.0	484.4	484.9	484.5	1.3	1.0	126.77	-15.3	42.5	51.5	49.2	2.31	22.306			
580.0	574.3	577.1	575.7	1.6	1.2	127.32	-11.0	55.6	62.3	59.4	2.90	21.501			
672.0	663.9	670.1	666.4	2.1	1.6	128.84	-3.5	74.5	72.8	69.1	3.65	19.969			
765.0	753.9	764.2	757.1	2.5	2.1	123.84	7.4	96.9	83.5	79.0	4.50	18.561			
857.0	842.4	855.5	844.4	3.0	2.5	118.74	19.8	120.4	93.9	88.5	5.45	17.237			
949.0	930.3	946.7	931.2	3.6	3.1	113.65	32.7	145.4	104.9	98.4	6.50	16.149			
1,043.0	1,019.4	1,039.2	1,018.8	4.1	3.7	109.93	46.1	172.0	116.3	108.7	7.63	15.237			
1,137.0	1,107.8	1,132.2	1,106.9	4.8	4.2	110.66	59.1	198.8	128.6	119.9	8.76	14.689			
1,231.0	1,194.9	1,223.8	1,194.1	5.5	4.7	112.45	70.9	224.1	143.1	133.3	9.85	14.527	SF		
1,326.0	1,280.8	1,316.3	1,282.5	6.2	5.2	113.24	81.9	249.1	160.0	149.0	10.99	14.562			
1,420.0	1,364.1	1,405.0	1,366.9	7.1	5.7	115.59	92.0	274.3	178.6	166.4	12.14	14.705			
1,515.0	1,447.6	1,497.7	1,454.4	7.9	6.3	119.42	102.5	303.3	199.2	185.9	13.36	14.911			
1,610.0	1,531.0	1,592.0	1,542.9	8.8	7.0	122.52	114.2	333.6	220.6	206.0	14.58	15.127			
1,704.0	1,613.1	1,681.0	1,626.3	9.6	7.6	125.06	125.5	362.6	242.8	227.0	15.78	15.388			
1,798.0	1,694.9	1,766.0	1,705.9	10.5	8.1	128.33	135.0	390.7	268.1	251.2	16.91	15.853			
1,892.0	1,776.8	1,855.4	1,790.0	11.3	8.7	128.56	143.3	419.7	295.4	277.4	18.05	16.368			
1,987.0	1,860.5	1,951.9	1,881.2	12.1	9.3	128.64	153.2	449.8	320.3	301.2	19.17	16.712			
2,082.0	1,944.9	2,049.3	1,973.6	12.9	9.9	128.77	164.6	478.4	342.1	321.9	20.27	16.881			
2,176.0	2,028.7	2,144.2	2,064.1	13.7	10.5	129.35	176.6	504.2	362.0	340.7	21.29	17.002			
2,270.0	2,113.0	2,233.9	2,149.5	14.4	11.0	130.48	188.3	529.2	380.7	358.4	22.29	17.077			
2,330.0	2,167.0	2,290.4	2,202.9	14.9	11.4	131.37	195.3	546.2	393.2	370.2	22.99	17.106			
2,394.0	2,224.4	2,352.7	2,261.6	15.4	11.8	131.01	202.9	565.7	407.1	383.2	23.82	17.086			
2,489.0	2,309.5	2,448.0	2,351.3	16.2	12.4	132.13	214.8	595.7	427.5	402.5	25.01	17.092			
2,583.0	2,394.0	2,539.2	2,437.4	17.0	13.0	128.21	226.4	623.4	446.3	420.0	26.22	17.019			
2,678.0	2,479.5	2,634.1	2,527.2	17.7	13.6	126.75	238.4	651.7	463.4	436.0	27.37	16.927			
2,772.0	2,564.0	2,731.1	2,619.1	18.5	14.2	127.44	251.2	679.8	479.2	450.7	28.47	16.829			
2,866.0	2,648.9	2,829.3	2,712.4	19.3	14.8	128.95	265.2	707.3	493.8	464.3	29.52	16.731			
2,961.0	2,735.7	2,926.0	2,804.1	20.0	15.4	129.71	279.8	734.4	506.5	475.9	30.58	16.564			
3,055.0	2,822.0	3,020.8	2,893.9	20.7	16.0	129.54	294.4	760.8	518.2	486.5	31.67	16.363			
3,150.0	2,909.1	3,106.1	2,974.8	21.4	16.5	130.63	307.4	784.6	530.6	497.9	32.69	16.228			
3,244.0	2,995.0	3,187.0	3,050.9	22.1	17.0	129.33	317.6	809.9	545.8	512.0	33.84	16.131			
3,339.0	3,081.6	3,279.9	3,138.5	22.9	17.6	128.92	328.4	838.8	561.9	526.9	35.02	16.048			
3,433.0	3,167.7	3,374.2	3,227.6	23.6	18.2	130.83	339.7	867.5	577.3	541.2	36.12	15.981			
3,528.0	3,254.1	3,462.6	3,311.5	24.3	18.8	130.26	349.9	893.6	594.5	557.2	37.26	15.954			
3,622.0	3,339.2	3,549.0	3,393.0	25.1	19.3	129.80	359.1	920.6	612.8	574.4	38.41	15.956			
3,717.0	3,425.6	3,638.6	3,477.3	25.8	19.9	130.71	368.0	949.7	631.4	591.8	39.57	15.958			
3,811.0	3,511.0	3,729.6	3,563.1	26.6	20.5	130.58	376.6	979.0	650.7	609.9	40.79	15.954			
3,905.0	3,595.6	3,824.5	3,652.6	27.4	21.2	128.45	385.9	1,009.1	670.3	628.2	42.07	15.931			
4,000.0	3,681.5	3,915.1	3,738.3	28.1	21.7	127.77	394.6	1,037.0	688.7	645.5	43.21	15.938			
4,094.0	3,766.8	4,007.7	3,825.6	28.9	22.3	127.17	403.5	1,066.6	706.2	661.8	44.42	15.897			
4,188.0	3,852.4	4,098.7	3,911.1	29.6	23.0	127.37	412.1	1,096.7	723.1	677.5	45.62	15.849			
4,283.0	3,939.7	4,187.5	3,994.9	30.3	23.5	128.00	420.1	1,124.7	739.5	692.8	46.73	15.825			
4,377.0	4,025.9	4,297.4	4,098.8	31.0	24.2	127.92	430.9	1,158.9	755.5	707.5	48.06	15.722			
4,472.0	4,112.3	4,396.3	4,191.7	31.8	24.9	129.10	442.2	1,190.8	771.7	722.4	49.30	15.655			
4,566.0	4,198.3	4,489.5	4,279.7	32.5	25.5	130.54	453.1	1,219.7	787.3	736.9	50.42	15.617			

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design		K10 596 Pad Sec.10-T5S-R96W - NPR 23D-10 596 - NPR 23D-10 596 Wellbore #1 - NPR 23D-10 596											Offset Site Error:		0.0 ft
Survey Program:		130-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	124.26	-25.1	36.9	44.6				CC, ES		
130.0	130.0	130.0	130.0	0.1	0.1	124.26	-25.1	36.9	44.6						
304.0	303.4	301.9	301.8	0.6	0.5	88.77	-23.9	42.7	47.1	44.4	46.0	1.11		42.388	
395.0	393.1	391.0	390.6	0.9	0.8	105.99	-22.3	50.4	53.1	51.4	51.4	1.69		31.342	
488.0	484.4	481.9	480.5	1.3	1.0	109.47	-20.0	62.7	63.9	61.6	61.6	2.34		27.361	
580.0	574.3	573.4	570.5	1.6	1.4	110.15	-16.4	79.0	75.9	72.9	72.9	3.03	25.060		
672.0	663.9	664.2	659.1	2.1	1.8	114.51	-11.0	98.1	89.0	85.2		3.82	23.290		
765.0	753.9	755.4	747.3	2.5	2.2	112.92	-4.4	120.0	104.2	99.5		4.68	22.252		
857.0	842.4	844.0	832.2	3.0	2.7	110.08	2.7	144.4	120.5	114.9		5.63	21.423		
949.0	930.3	932.7	916.3	3.6	3.3	106.22	10.1	171.8	138.1	131.5		6.65	20.757		
1,043.0	1,019.4	1,027.9	1,006.7	4.1	3.8	104.02	17.9	200.6	155.5	147.7		7.73	20.105		
1,137.0	1,107.8	1,123.2	1,098.4	4.8	4.3	107.04	25.4	225.4	171.2	162.5		8.77	19.529		
1,231.0	1,194.9	1,213.2	1,185.8	5.5	4.7	110.55	31.5	246.3	188.4	178.6		9.79	19.244		
1,326.0	1,280.8	1,304.1	1,273.9	6.2	5.1	112.00	36.9	267.5	208.7	197.8		10.90	19.154	SF	
1,420.0	1,364.1	1,391.6	1,358.4	7.1	5.6	114.66	42.2	289.6	230.6	218.6		12.03	19.168		
1,515.0	1,447.6	1,481.1	1,444.0	7.9	6.1	118.78	47.7	315.2	255.2	242.0		13.19	19.343		
1,610.0	1,531.0	1,572.3	1,530.4	8.8	6.7	121.92	53.7	343.8	281.4	267.0		14.39	19.550		
1,704.0	1,613.1	1,663.1	1,615.1	9.6	7.4	123.95	60.8	375.8	308.4	292.7		15.69	19.658		
1,798.0	1,694.9	1,755.1	1,700.0	10.5	8.1	126.56	68.8	410.1	336.6	319.6		17.03	19.769		
1,892.0	1,776.8	1,845.4	1,782.9	11.3	8.8	125.80	77.5	444.8	364.5	346.1		18.40	19.816		
1,987.0	1,860.5	1,933.2	1,864.1	12.1	9.5	125.09	85.2	477.4	391.4	371.8		19.68	19.895		
2,082.0	1,944.9	2,023.3	1,948.1	12.9	10.1	124.51	92.0	509.1	417.7	396.8		20.92	19.964		
2,176.0	2,028.7	2,118.2	2,037.2	13.7	10.7	124.39	99.5	541.3	442.4	420.2		22.17	19.953		
2,270.0	2,113.0	2,210.4	2,123.5	14.4	11.3	125.02	107.6	572.5	465.5	442.1		23.38	19.909		
2,330.0	2,167.0	2,265.2	2,174.8	14.9	11.7	125.79	112.2	591.1	480.6	456.5		24.13	19.914		
2,394.0	2,224.4	2,326.6	2,232.5	15.4	12.1	125.45	117.0	611.7	497.2	472.3		24.99	19.901		
2,489.0	2,309.5	2,417.9	2,318.5	16.2	12.7	126.77	124.0	641.4	522.1	496.0		26.16	19.963		
2,583.0	2,394.0	2,509.2	2,405.0	17.0	13.2	122.99	130.6	669.9	545.7	518.3		27.41	19.909		
2,678.0	2,479.5	2,601.9	2,493.1	17.7	13.8	121.63	137.4	697.9	567.3	538.7		28.59	19.844		
2,772.0	2,564.0	2,691.8	2,579.0	18.5	14.3	122.40	143.7	723.8	588.3	558.6		29.68	19.822		
2,866.0	2,648.9	2,781.9	2,665.4	19.3	14.8	124.14	149.6	748.7	609.5	578.8		30.68	19.864		
2,961.0	2,735.7	2,876.4	2,756.3	20.0	15.3	125.37	155.6	773.5	629.9	598.2		31.65	19.898		
3,055.0	2,822.0	2,962.0	2,839.1	20.7	15.8	125.45	161.0	795.1	649.6	617.0		32.61	19.919		
3,150.0	2,909.1	3,042.6	2,916.9	21.4	16.2	126.89	164.8	815.7	671.4	637.9		33.51	20.034		
3,244.0	2,995.0	3,120.5	2,991.9	22.1	16.6	125.92	167.1	836.6	695.1	660.6		34.51	20.142		
3,339.0	3,081.6	3,216.8	3,084.0	22.9	17.2	125.93	169.1	864.4	719.9	684.3		35.60	20.220		
3,433.0	3,167.7	3,332.1	3,193.7	23.6	17.9	128.01	174.3	899.6	742.2	705.4		36.80	20.167		
3,528.0	3,254.1	3,428.6	3,284.9	24.3	18.5	127.25	180.9	930.6	763.9	725.8		38.06	20.069		
3,622.0	3,339.2	3,521.2	3,372.4	25.1	19.1	126.84	187.3	960.1	785.4	746.2		39.27	20.000		

Offset Design													K10 596 Pad Sec.10-T5S-R96W - NPR 24A-10 596 - NPR 24A-10 596 Wellbore #1 - NPR 24A-10 596		Offset Site Error:	0.0 ft
Survey Program:		130-MWD											Offset Well Error:	0.0 ft		
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	124.06	-29.1	43.1	52.0							
130.0	130.0	130.0	130.0	0.1	0.1	124.06	-29.1	43.1	52.0	51.7	0.29	178.049				
268.2	267.9	267.6	267.6	0.5	0.4	86.69	-28.8	44.0	51.5	50.6	0.94	54.795	CC			
304.0	303.4	303.0	303.0	0.6	0.5	91.31	-28.6	44.5	51.7	50.5	1.11	46.681	ES			
395.0	393.1	392.9	392.9	0.9	0.7	113.24	-27.9	46.3	55.6	53.9	1.69	32.937				
488.0	484.4	485.4	485.3	1.3	0.9	122.29	-25.8	50.5	63.9	61.6	2.27	28.106				
580.0	574.3	576.2	575.5	1.6	1.2	126.51	-22.0	59.1	73.7	70.9	2.84	26.004				
672.0	663.9	664.8	663.1	2.1	1.4	132.86	-18.8	71.7	87.1	83.6	3.49	24.951				
765.0	753.9	753.4	750.2	2.5	1.7	132.09	-17.5	88.1	105.2	101.0	4.18	25.189				
857.0	842.4	841.2	835.6	3.0	2.1	129.28	-17.2	108.7	126.0	121.0	4.96	25.400				
949.0	930.3	930.9	921.9	3.6	2.6	125.17	-16.9	133.1	148.1	142.2	5.84	25.362				
1,043.0	1,019.4	1,022.4	1,010.0	4.1	3.0	122.54	-16.1	157.9	170.6	163.8	6.75	25.274				
1,137.0	1,107.8	1,111.2	1,095.5	4.8	3.4	123.92	-15.9	181.7	194.4	186.7	7.70	25.253				
1,231.0	1,194.9	1,200.0	1,179.8	5.5	4.0	123.75	-15.7	209.5	221.5	212.7	8.80	25.185				
1,326.0	1,280.8	1,290.8	1,265.0	6.2	4.6	120.79	-14.8	241.1	251.2	241.2	10.05	24.989				
1,420.0	1,364.1	1,382.2	1,350.1	7.1	5.3	120.08	-13.2	274.1	280.9	269.6	11.38	24.682				
1,515.0	1,447.6	1,476.4	1,437.1	7.9	6.0	121.71	-10.0	310.0	310.6	297.8	12.77	24.329				
1,610.0	1,531.0	1,567.2	1,520.4	8.8	6.7	122.94	-5.7	346.1	340.2	326.1	14.16	24.028				
1,704.0	1,613.1	1,651.0	1,596.5	9.6	7.4	123.84	-1.9	381.0	371.3	355.8	15.54	23.898				
1,798.0	1,694.9	1,733.4	1,671.0	10.5	8.1	125.85	0.5	416.0	405.4	388.5	16.89	24.003				
1,892.0	1,776.8	1,820.1	1,748.6	11.3	8.9	124.54	2.9	454.6	440.4	422.1	18.35	24.003				
1,987.0	1,860.5	1,910.1	1,829.0	12.1	9.7	123.19	5.6	495.0	474.1	454.2	19.83	23.911				
2,082.0	1,944.9	2,002.5	1,912.2	12.9	10.4	121.80	8.4	535.1	505.9	484.6	21.27	23.786				
2,176.0	2,028.7	2,092.3	1,993.8	13.7	11.2	121.05	11.2	572.6	536.4	513.7	22.66	23.666				
2,270.0	2,113.0	2,184.9	2,078.8	14.4	11.9	121.41	13.9	609.2	565.7	541.7	23.98	23.587				
2,330.0	2,167.0	2,242.1	2,131.6	14.9	12.3	122.06	15.6	631.2	584.4	559.6	24.79	23.573				
2,394.0	2,224.4	2,302.6	2,187.5	15.4	12.8	121.55	17.4	654.3	604.5	578.8	25.71	23.511				
2,489.0	2,309.5	2,393.3	2,271.0	16.2	13.5	122.58	20.1	689.2	634.7	607.6	27.04	23.469				
2,583.0	2,394.0	2,484.0	2,354.7	17.0	14.2	118.30	23.0	724.2	663.0	634.5	28.53	23.237				
2,678.0	2,479.5	2,572.9	2,436.2	17.7	14.9	116.28	26.0	759.6	689.8	659.9	29.99	23.002				
2,772.0	2,564.0	2,668.4	2,523.3	18.5	15.7	116.19	29.7	798.5	715.5	684.0	31.48	22.726				
2,866.0	2,648.9	2,760.9	2,608.0	19.3	16.4	117.14	33.5	835.8	740.7	707.8	32.89	22.520				
2,961.0	2,735.7	2,859.0	2,698.6	20.0	17.2	117.71	37.6	873.0	764.8	730.5	34.27	22.320				
3,055.0	2,822.0	2,960.1	2,792.2	20.7	18.0	117.02	42.8	911.0	787.4	751.8	35.67	22.078	SF			

Offset Design													Offset Site Error:		0.0 ft
Survey Program: K10 596 Pad Sec.10-T5S-R96W - NPR 24B-10 596 - NPR 24B-10 596 Wellbore #1 - NPR 24B-10 596													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	123.93	-33.2	49.3	59.4						
130.0	130.0	130.0	130.0	0.1	0.1	123.93	-33.2	49.3	59.4	59.1	0.29	203.374	CC, ES		
304.0	303.4	302.0	301.7	0.6	0.6	82.90	-28.6	56.5	60.6	59.4	1.13	53.587			
395.0	393.1	392.2	391.3	0.9	0.8	96.09	-23.1	65.1	63.5	61.8	1.70	37.425			
488.0	484.4	481.9	480.3	1.3	1.1	99.90	-18.3	75.5	70.1	67.8	2.33	30.092			
580.0	574.3	569.8	567.5	1.6	1.3	105.17	-17.3	87.0	81.1	78.1	2.98	27.216			
672.0	663.9	659.3	656.2	2.1	1.6	116.42	-19.3	98.4	96.6	93.0	3.65	26.443	SF		
765.0	753.9	750.8	747.0	2.5	1.8	121.58	-21.3	109.6	114.9	110.6	4.31	26.695			
857.0	842.4	839.0	834.3	3.0	2.1	123.98	-22.4	122.2	134.4	129.4	4.99	26.938			
949.0	930.3	924.7	918.4	3.6	2.4	123.65	-23.8	138.2	156.2	150.5	5.73	27.245			
1,043.0	1,019.4	1,011.9	1,003.3	4.1	2.8	122.73	-26.5	157.9	181.1	174.5	6.58	27.513			
1,137.0	1,107.8	1,104.6	1,092.7	4.8	3.3	124.37	-29.2	182.3	207.8	200.2	7.54	27.560			
1,231.0	1,194.9	1,199.6	1,184.2	5.5	3.8	125.29	-29.5	207.8	234.5	226.0	8.53	27.494			
1,326.0	1,280.8	1,290.8	1,273.1	6.2	4.2	124.88	-29.3	228.2	262.8	253.3	9.49	27.684			
1,420.0	1,364.1	1,373.9	1,354.2	7.1	4.5	126.26	-29.5	246.3	293.0	282.6	10.43	28.079			
1,515.0	1,447.6	1,451.7	1,429.3	7.9	4.9	129.19	-31.3	266.8	327.0	315.6	11.41	28.666			
1,610.0	1,531.0	1,524.8	1,498.7	8.8	5.4	131.26	-35.7	289.1	365.6	353.2	12.41	29.463			
1,704.0	1,613.1	1,600.7	1,569.8	9.6	5.9	132.74	-42.4	314.7	407.4	394.0	13.49	30.196			
1,798.0	1,694.9	1,680.3	1,643.6	10.5	6.5	135.12	-50.5	343.5	451.9	437.3	14.61	30.932			
1,892.0	1,776.8	1,767.3	1,723.7	11.3	7.1	134.02	-59.4	376.2	496.7	480.8	15.84	31.360			
1,987.0	1,860.5	1,870.4	1,818.7	12.1	7.9	132.92	-67.7	415.3	538.4	521.3	17.16	31.370			
2,082.0	1,944.9	1,971.9	1,912.9	12.9	8.6	131.70	-72.5	452.9	575.7	557.2	18.49	31.140			
2,176.0	2,028.7	2,068.8	2,003.2	13.7	9.3	131.04	-75.2	487.8	610.3	590.5	19.77	30.874			
2,270.0	2,113.0	2,167.2	2,095.8	14.4	9.9	131.50	-76.6	521.1	642.5	621.6	20.96	30.662			
2,330.0	2,167.0	2,226.4	2,151.6	14.9	10.3	132.21	-76.9	540.7	662.6	640.9	21.68	30.554			
2,394.0	2,224.4	2,288.1	2,209.8	15.4	10.7	131.67	-76.9	561.3	684.0	661.5	22.52	30.374			
2,489.0	2,309.5	2,377.1	2,293.3	16.2	11.4	132.65	-76.9	592.1	716.0	692.3	23.72	30.185			
2,583.0	2,394.0	2,464.2	2,374.8	17.0	12.0	128.13	-76.9	623.1	746.7	721.6	25.09	29.756			
2,678.0	2,479.5	2,546.6	2,451.7	17.7	12.6	126.05	-77.4	652.7	776.3	750.0	26.37	29.435			

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 24C-10 596 - NPR 24C-10 596 Wellbore #1 - NPR 24C-10 596												Offset Site Error:	0.0 ft
Survey Program: 130-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	123.93	-37.5	55.8	67.2				
130.0	130.0	130.0	130.0	0.1	0.1	123.93	-37.5	55.8	67.2	66.9	0.29	230.047	CC, ES
304.0	303.4	299.0	298.8	0.6	0.5	85.45	-38.0	62.6	71.3	70.2	1.10	64.541	
395.0	393.1	388.2	387.6	0.9	0.8	100.61	-38.1	71.0	78.6	76.9	1.67	46.944	
488.0	484.4	478.5	477.3	1.3	1.0	105.06	-38.3	81.5	89.7	87.5	2.29	39.240	
580.0	574.3	566.5	564.5	1.6	1.3	109.11	-39.9	93.2	103.7	100.8	2.93	35.444	
672.0	663.9	653.6	650.5	2.1	1.6	117.49	-42.7	106.9	121.9	118.2	3.63	33.533	
765.0	753.9	740.4	735.8	2.5	1.9	119.74	-47.0	122.2	144.4	140.1	4.35	33.217	SF
857.0	842.4	825.8	819.3	3.0	2.3	120.43	-52.4	139.0	169.5	164.4	5.09	33.272	
949.0	930.3	910.7	902.0	3.6	2.7	119.61	-58.6	157.5	196.6	190.7	5.88	33.408	
1,043.0	1,019.4	994.9	983.4	4.1	3.2	118.71	-65.5	177.7	226.0	219.2	6.75	33.485	
1,137.0	1,107.8	1,076.4	1,061.5	4.8	3.6	120.61	-73.8	199.7	258.7	251.1	7.67	33.716	
1,231.0	1,194.9	1,163.3	1,143.8	5.5	4.2	121.24	-83.8	225.6	295.4	286.8	8.68	34.051	
1,326.0	1,280.8	1,266.6	1,242.9	6.2	4.7	120.14	-92.2	253.5	331.1	321.4	9.76	33.923	
1,420.0	1,364.1	1,353.0	1,326.3	7.1	5.1	120.98	-97.1	275.5	365.4	354.6	10.81	33.799	
1,515.0	1,447.6	1,427.8	1,397.4	7.9	5.6	123.55	-102.3	297.8	403.0	391.1	11.87	33.952	
1,610.0	1,531.0	1,502.4	1,467.4	8.8	6.1	125.57	-109.2	322.9	444.1	431.1	12.98	34.211	
1,704.0	1,613.1	1,584.1	1,543.4	9.6	6.7	127.32	-118.0	351.6	487.3	473.2	14.11	34.527	
1,798.0	1,694.9	1,668.6	1,622.0	10.5	7.3	130.25	-126.8	381.2	531.8	516.6	15.21	34.957	
1,892.0	1,776.8	1,752.9	1,700.2	11.3	7.9	129.78	-135.3	411.5	576.3	559.9	16.38	35.182	
1,987.0	1,860.5	1,844.2	1,784.9	12.1	8.5	129.34	-144.1	444.6	619.3	601.6	17.61	35.159	
2,082.0	1,944.9	1,937.9	1,872.3	12.9	9.2	128.61	-151.7	477.5	659.4	640.6	18.82	35.037	
2,176.0	2,028.7	2,028.9	1,957.6	13.7	9.8	128.40	-158.6	508.2	697.9	677.9	19.99	34.907	
2,270.0	2,113.0	2,121.2	2,044.7	14.4	10.4	129.20	-164.8	538.2	734.6	713.5	21.11	34.806	
2,330.0	2,167.0	2,176.0	2,096.5	14.9	10.7	130.02	-168.3	555.9	758.0	736.2	21.78	34.803	
2,394.0	2,224.4	2,233.1	2,150.3	15.4	11.1	129.58	-172.1	574.5	783.2	760.7	22.57	34.708	

Offset Design													Offset Site Error:		0.0 ft
K10 596 Pad Sec.10-T5S-R96W - NPR 24D-10 596 - NPR 24D-10 596 Wellbore #1 - NPR 24D-10 596													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	123.83	-41.5	62.0	74.6						
130.0	130.0	130.0	130.0	0.1	0.1	123.83	-41.5	62.0	74.6	74.3	0.29	255.299			
208.0	207.9	207.1	207.1	0.3	0.3	80.39	-41.7	62.4	74.6	73.9	0.65	113.925	CC, ES		
304.0	303.4	301.4	301.4	0.6	0.5	87.65	-42.5	63.9	75.2	74.1	1.09	69.044			
395.0	393.1	389.0	388.9	0.9	0.7	105.35	-44.4	67.9	81.3	79.7	1.65	49.425			
488.0	484.4	476.1	475.6	1.3	0.9	110.87	-47.5	75.9	94.6	92.4	2.25	42.038			
580.0	574.3	562.5	561.0	1.6	1.2	114.12	-51.6	88.0	112.1	109.2	2.87	39.095			
672.0	663.9	646.9	643.7	2.1	1.5	120.97	-57.2	103.5	134.6	131.0	3.57	37.703			
765.0	753.9	731.0	725.4	2.5	1.9	121.50	-64.7	122.1	162.3	158.0	4.28	37.875			
857.0	842.4	814.2	805.5	3.0	2.4	120.51	-73.3	143.2	192.6	187.6	5.06	38.101			
949.0	930.3	898.6	885.7	3.6	2.9	117.98	-82.2	167.6	224.5	218.7	5.89	38.125			
1,043.0	1,019.4	986.7	969.1	4.1	3.4	115.87	-91.3	194.6	257.5	250.7	6.81	37.821			
1,137.0	1,107.8	1,073.2	1,051.1	4.8	3.9	117.38	-100.1	220.9	291.0	283.3	7.75	37.552			
1,231.0	1,194.9	1,153.8	1,127.4	5.5	4.4	118.15	-109.8	244.8	327.8	319.1	8.71	37.647			
1,326.0	1,280.8	1,237.9	1,207.0	6.2	4.9	116.31	-120.7	269.6	367.7	358.0	9.78	37.586			
1,420.0	1,364.1	1,323.4	1,287.8	7.1	5.5	116.78	-131.7	295.2	408.2	397.2	10.93	37.336			
1,515.0	1,447.6	1,404.2	1,364.0	7.9	6.0	119.66	-142.1	320.0	450.1	438.0	12.06	37.333	SF		
1,610.0	1,531.0	1,488.4	1,443.0	8.8	6.6	122.28	-153.1	346.8	493.7	480.5	13.18	37.445			
1,704.0	1,613.1	1,571.2	1,520.4	9.6	7.2	124.41	-163.5	374.5	537.9	523.5	14.32	37.564			
1,798.0	1,694.9	1,653.1	1,596.6	10.5	7.8	127.59	-173.6	402.6	583.6	568.2	15.43	37.831			
1,892.0	1,776.8	1,732.2	1,670.1	11.3	8.4	127.37	-183.3	430.4	629.7	613.1	16.58	37.989			
1,987.0	1,860.5	1,803.0	1,735.6	12.1	9.0	127.21	-192.8	455.5	675.7	658.0	17.70	38.182			
2,082.0	1,944.9	1,880.4	1,807.5	12.9	9.5	126.63	-204.4	482.0	721.5	702.7	18.79	38.401			
2,176.0	2,028.7	1,970.8	1,891.8	13.7	10.1	126.76	-218.3	511.0	766.3	746.4	19.92	38.476			

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

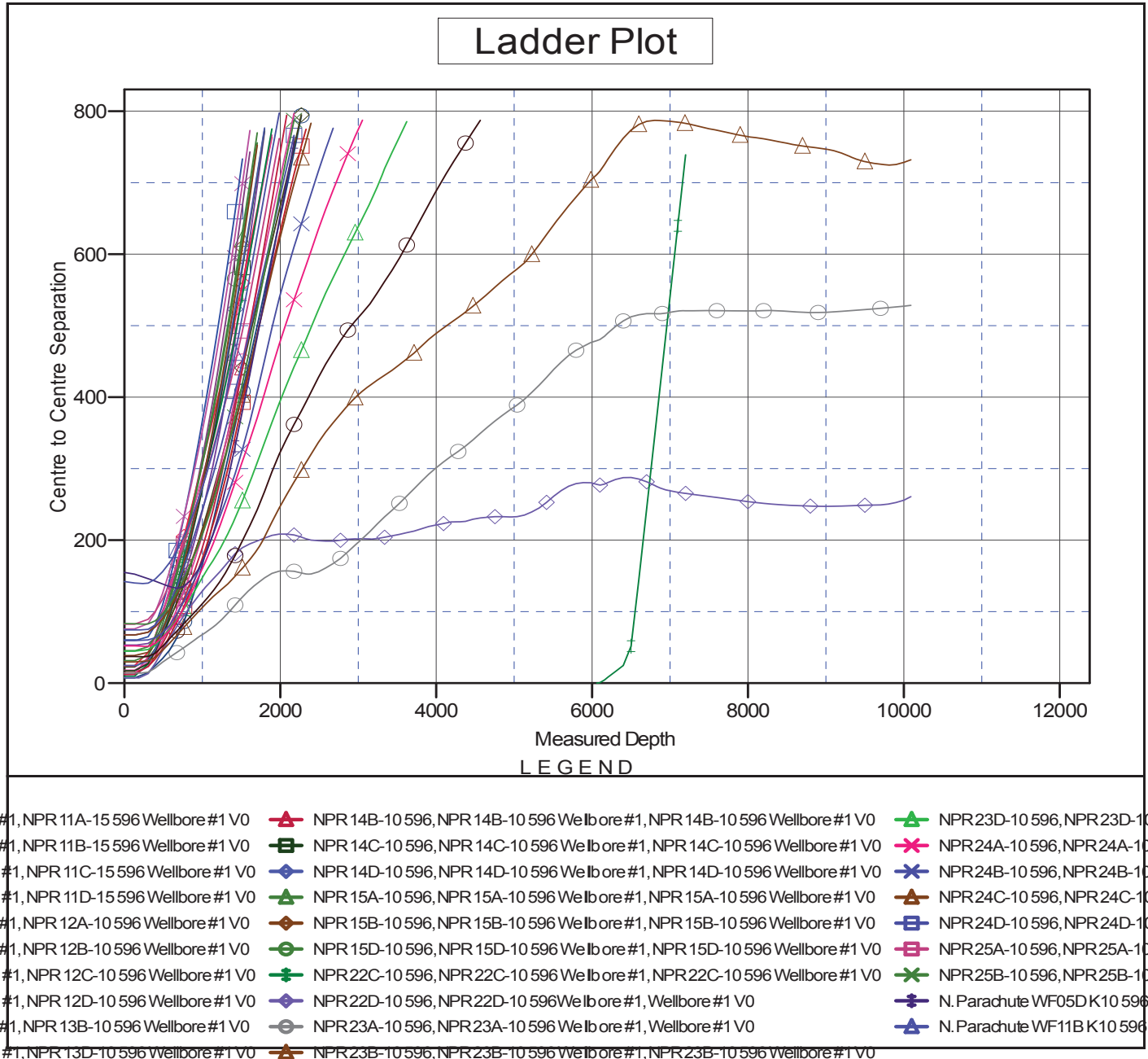
Offset Design K10 596 Pad Sec.10-T5S-R96W - NPR 25A-10 596 - NPR 25A-10 596 Wellbore #1 - NPR 25A-10 596												Offset Site Error:	0.0 ft
Survey Program: 130-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	124.37	-46.6	68.2	82.6				
130.0	130.0	130.0	130.0	0.1	0.1	124.37	-46.6	68.2	82.6	82.3	0.29	282.646 CC, ES	
304.0	303.4	295.3	294.9	0.6	0.6	83.67	-47.8	77.4	89.2	88.1	1.13	78.656	
395.0	393.1	380.8	379.6	0.9	0.8	96.42	-49.3	89.3	100.1	98.4	1.67	59.936	
488.0	484.4	466.3	463.4	1.3	1.2	97.83	-51.8	106.2	117.3	114.9	2.36	49.627	
580.0	574.3	550.5	544.9	1.6	1.6	98.80	-55.9	126.7	138.6	135.5	3.07	45.094	
672.0	663.9	633.1	624.3	2.1	2.0	105.12	-62.2	148.8	164.4	160.5	3.83	42.928	
765.0	753.9	716.6	703.9	2.5	2.5	106.49	-71.2	172.0	194.7	190.1	4.61	42.217	
857.0	842.4	803.3	786.4	3.0	3.0	106.95	-81.6	196.6	226.3	220.9	5.42	41.715	
949.0	930.3	889.9	869.4	3.6	3.5	106.69	-91.8	219.2	256.8	250.5	6.25	41.064	
1,043.0	1,019.4	968.3	944.4	4.1	3.9	106.75	-103.3	238.9	289.7	282.6	7.11	40.762	
1,137.0	1,107.8	1,047.0	1,018.9	4.8	4.4	109.76	-117.1	260.3	326.9	318.9	8.03	40.718	
1,231.0	1,194.9	1,135.1	1,101.9	5.5	5.0	111.66	-132.7	285.1	366.8	357.8	9.01	40.696	
1,326.0	1,280.8	1,228.8	1,191.2	6.2	5.5	111.08	-147.4	309.6	406.5	396.4	10.07	40.346	
1,420.0	1,364.1	1,295.8	1,255.0	7.1	5.9	111.72	-158.1	327.0	447.1	436.0	11.14	40.148 SF	
1,515.0	1,447.6	1,357.9	1,313.2	7.9	6.3	114.65	-170.0	345.0	492.8	480.6	12.18	40.455	
1,610.0	1,531.0	1,425.0	1,375.1	8.8	6.9	117.44	-185.3	366.0	543.3	530.1	13.24	41.045	
1,704.0	1,613.1	1,490.7	1,434.9	9.6	7.4	119.74	-201.5	387.7	596.4	582.1	14.27	41.785	
1,798.0	1,694.9	1,563.8	1,501.3	10.5	8.0	123.32	-219.2	412.7	651.1	635.8	15.31	42.533	
1,892.0	1,776.8	1,634.6	1,565.3	11.3	8.6	123.47	-236.7	437.4	706.8	690.4	16.38	43.152	
1,987.0	1,860.5	1,710.2	1,633.4	12.1	9.3	123.88	-255.6	464.5	762.0	744.5	17.51	43.510	

K10 596 Pad Sec.10-T5S-R96W - NPR 25B-10 596 - NPR 25B-10 596 Wellbore #1 - NPR 25B-10 596													Offset Site Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance		Between Centres		Between Ellipses	Minimum Separation	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	131.02	-54.6	62.8	83.3					
130.0	130.0	130.2	130.2	0.1	0.2	131.37	-54.9	62.4	83.1	82.8	0.29	282.025		
256.1	255.8	256.1	256.1	0.5	0.3	91.73	-55.7	61.1	82.6	81.8	0.76	109.223	CC, ES	
304.0	303.4	303.6	303.6	0.6	0.3	96.41	-56.1	60.3	82.9	81.9	0.94	88.586		
395.0	393.1	393.0	393.0	0.9	0.5	115.72	-57.1	58.7	87.1	85.7	1.47	59.454		
488.0	484.4	484.0	483.9	1.3	0.7	124.90	-58.3	56.6	96.7	94.6	2.06	47.008		
580.0	574.3	573.6	573.5	1.6	0.9	133.23	-59.3	54.3	109.6	107.1	2.59	42.380		
672.0	663.9	663.2	663.1	2.1	1.0	145.24	-60.0	52.6	126.5	123.4	3.14	40.297	SF	
765.0	753.9	754.6	754.5	2.5	1.2	149.47	-60.2	53.2	146.6	143.0	3.59	40.817		
857.0	842.4	842.7	842.4	3.0	1.4	150.74	-60.5	57.3	168.3	164.2	4.06	41.424		
949.0	930.3	928.0	927.5	3.6	1.6	149.73	-62.2	64.1	192.6	188.1	4.55	42.298		
1,043.0	1,019.4	1,012.9	1,011.9	4.1	1.8	148.46	-66.0	72.8	220.8	215.7	5.10	43.259		
1,137.0	1,107.8	1,097.4	1,095.6	4.8	2.0	150.26	-71.8	82.5	252.6	246.9	5.70	44.303		
1,231.0	1,194.9	1,182.9	1,180.0	5.5	2.2	150.80	-79.1	93.9	288.5	282.1	6.38	45.215		
1,326.0	1,280.8	1,266.4	1,262.1	6.2	2.5	147.96	-86.9	107.2	328.8	321.7	7.14	46.069		
1,420.0	1,364.1	1,342.0	1,335.7	7.1	2.8	146.61	-95.9	121.7	372.6	364.7	7.89	47.232		
1,515.0	1,447.6	1,415.2	1,406.2	7.9	3.1	147.86	-106.8	138.0	419.6	410.9	8.67	48.390		
1,610.0	1,531.0	1,486.8	1,474.4	8.8	3.5	148.78	-119.7	155.7	469.2	459.7	9.48	49.474		
1,704.0	1,613.1	1,556.7	1,540.1	9.6	3.9	149.45	-134.0	174.5	520.8	510.5	10.34	50.359		
1,798.0	1,694.9	1,625.8	1,604.3	10.5	4.4	151.28	-149.6	194.8	574.8	563.6	11.20	51.313		
1,892.0	1,776.8	1,695.9	1,668.4	11.3	4.9	149.27	-166.6	217.5	629.8	617.6	12.18	51.700		
1,987.0	1,860.5	1,770.9	1,736.0	12.1	5.6	147.24	-185.7	243.8	684.4	671.2	13.26	51.634		
2,082.0	1,944.9	1,861.5	1,817.0	12.9	6.3	144.79	-208.6	277.4	737.5	723.1	14.47	50.963		
2,176.0	2,028.7	1,963.0	1,908.6	13.7	7.1	143.04	-231.4	314.5	787.4	771.7	15.72	50.099		

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 6733.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -111.000000

Coordinates are relative to: NPR 22C-10 596
 Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 12N
 Grid Convergence at Surface is: 1.82°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Caerus Oil and Gas LLC	Local Co-ordinate Reference:	Well NPR 22C-10 596
Project:	SEC.10-T5S-R96W	TVD Reference:	WELL @ 6733.0ft (Original Well Elev)
Reference Site:	K10 596 Pad Sec.10-T5S-R96W	MD Reference:	WELL @ 6733.0ft (Original Well Elev)
Site Error:	0.0 ft	North Reference:	True
Reference Well:	NPR 22C-10 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	NPR 22C-10 596 Wellbore #1	Database:	US_EDM
Reference Design:	Sidetrack Plan #1 (8-23-18)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 6733.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -111.000000

Coordinates are relative to: NPR 22C-10 596

Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 12N

Grid Convergence at Surface is: 1.82°

