

POCO Operating

Well Name: Brighton Lakes 20-17-1NAH
 Surface Location: Brighton Lakes Pad Sec.20-T1S-R66W
 North American Datum 1983, US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 5047.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1223370.80 3195710.16 39.944420 -104.801980
 KB 23' RKB @ 5070.0ft (KB 23')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Longitude	Latitude	Shape
SHL 400'FSL & 1980'FWL SEC.20	0.0	0.0	0.0	39.944420	-104.801980	Point
BHL 460'FNL & 1481'FEL SEC.17	7280.0	9701.0	1919.9	39.971050	-104.795130	Point
LP 460'FSL & 1481'FEL SEC.20	7280.0	62.0	1906.7	39.944590	-104.795180	Point
BHL ST 460'FNL & 1451'FEL SEC.17	7336.0	9701.0	1950.0	39.971050	-104.795023	Point

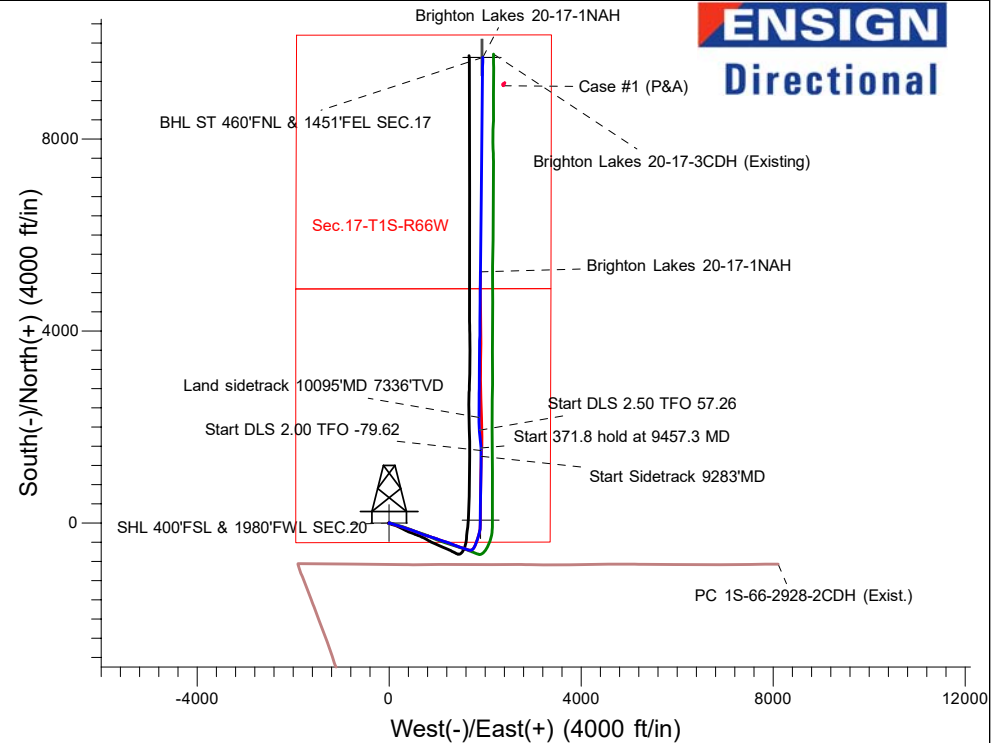
FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
950.0	950.1	Fox Hills
1350.0	1350.3	Upper Pierre Shale
1850.0	1865.2	Surface casing
4853.0	5043.7	Sussex
5002.0	5200.3	Shannon
5146.0	5353.9	Lower Pierre Shale
7267.0	7798.4	Sharon Springs
7300.0	8347.1	Niobrara
7320.0	9708.9	Niobrara A Chalk LZ
7330.0	9870.6	Niobrara A Marl



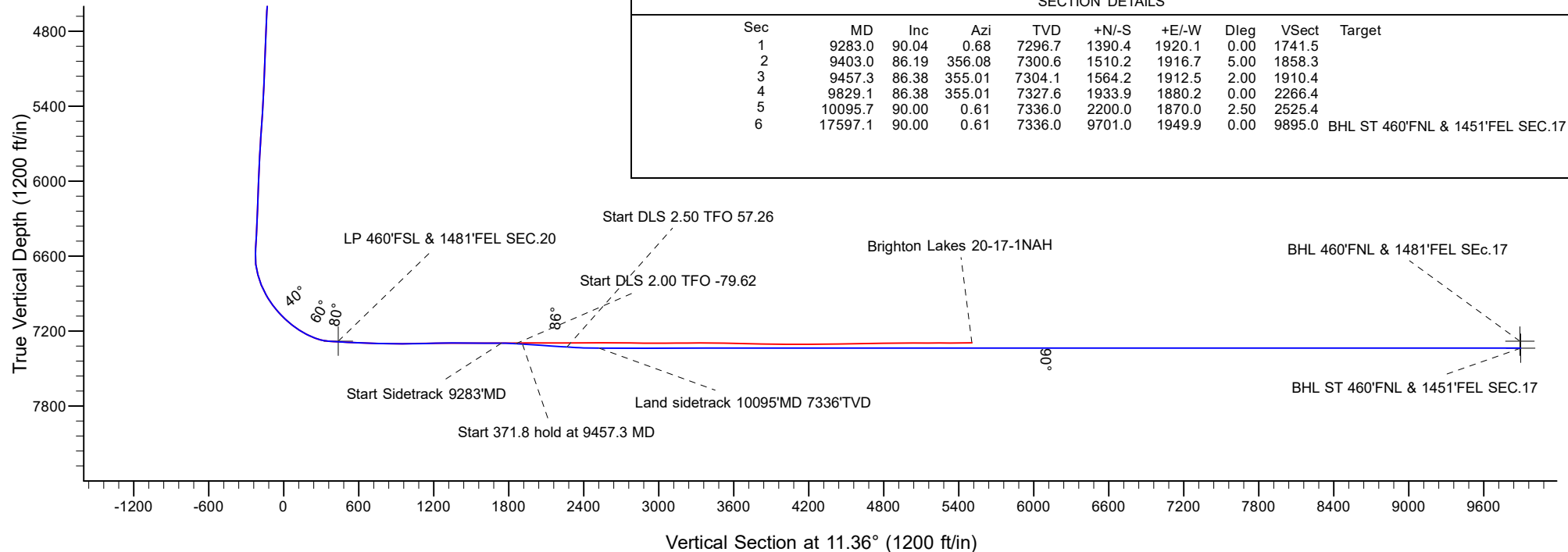
Azimuths to True North
 Magnetic North: 7.89°
 Magnetic Field
 Strength: 51613.3nT
 Dip Angle: 66.18°
 Date: 09/03/2021
 Model: HRGM

Brighton Lakes Pad Sec.20-T1S-R66W
 Brighton Lakes 20-17-1NAH
 Plan 4 (10-3-21) ST 9283'MD
 11:19, October 03 2021



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Target
1	9283.0	90.04	0.68	7296.7	1390.4	1920.1	0.00	1741.5	
2	9403.0	86.19	356.08	7300.6	1510.2	1916.7	5.00	1858.3	
3	9457.3	86.38	355.01	7304.1	1564.2	1912.5	2.00	1910.4	
4	9829.1	86.38	355.01	7327.6	1933.9	1880.2	0.00	2266.4	
5	10095.7	90.00	0.61	7336.0	2200.0	1870.0	2.50	2525.4	
6	17597.1	90.00	0.61	7336.0	9701.0	1949.9	0.00	9895.0	BHL ST 460'FNL & 1451'FEL SEC.17





POCO Operating

Sec.20-T1S-R66W

Brighton Lakes Pad Sec.20-T1S-R66W

Brighton Lakes 20-17-1NAH

Brighton Lakes 20-17-1NAH Wellbore #1

Plan: Plan 4 (10-3-21) ST 9283'MD

Standard Planning Report

03 October, 2021

Database:	US_EDM	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Company:	POCO Operating	TVD Reference:	RKB @ 5070.0ft (KB 23')
Project:	Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site:	Brighton Lakes Pad Sec.20-T1S-R66W	North Reference:	True
Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Brighton Lakes 20-17-1NAH Wellbore #1		
Design:	Plan 4 (10-3-21) ST 9283'MD		

Project	Sec.20-T1S-R66W, Adams County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Brighton Lakes Pad Sec.20-T1S-R66W				
Site Position:		Northing:	1,223,370.47 usft	Latitude:	39.944420
From:	Lat/Long	Easting:	3,195,665.30 usft	Longitude:	-104.802140
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45

Well	Brighton Lakes 20-17-1NAH					
Well Position	+N/-S	0.0 ft	Northing:	1,223,370.80 usft	Latitude:	39.944420
	+E/-W	44.9 ft	Easting:	3,195,710.16 usft	Longitude:	-104.801980
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	5,047.0 ft

Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	09/03/2021	7.89	66.18	51,613.32472609

Design	Plan 4 (10-3-21) ST 9283'MD			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	9,283.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	11.36

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
9,283.0	90.04	0.68	7,296.7	1,390.4	1,920.1	0.00	0.00	0.00	0.00	
9,403.0	86.19	356.08	7,300.6	1,510.2	1,916.7	5.00	-3.21	-3.84	230.00	
9,457.3	86.38	355.01	7,304.1	1,564.2	1,912.5	2.00	0.36	-1.97	-79.62	
9,829.1	86.38	355.01	7,327.6	1,933.9	1,880.2	0.00	0.00	0.00	0.00	
10,095.7	90.00	0.61	7,336.0	2,200.0	1,870.0	2.50	1.36	2.10	57.26	
17,597.1	90.00	0.61	7,336.0	9,701.0	1,949.9	0.00	0.00	0.00	0.00	BHL ST 460'FNL & 14

Database:	US_EDM	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Company:	POCO Operating	TVD Reference:	RKB @ 5070.0ft (KB 23')
Project:	Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site:	Brighton Lakes Pad Sec.20-T1S-R66W	North Reference:	True
Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Brighton Lakes 20-17-1NAH Wellbore #1		
Design:	Plan 4 (10-3-21) ST 9283'MD		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.46	110.01	100.0	-0.1	0.4	-0.1	0.46	0.46	0.00
200.0	0.77	122.55	200.0	-0.6	1.4	-0.3	0.34	0.31	12.54
300.0	0.83	117.05	300.0	-1.4	2.6	-0.8	0.09	0.05	-5.50
400.0	0.55	97.97	400.0	-1.8	3.8	-1.0	0.36	-0.28	-19.08
500.0	0.11	290.60	500.0	-1.8	4.2	-1.0	0.66	-0.44	-167.37
600.0	0.95	284.40	600.0	-1.5	3.1	-0.9	0.84	0.84	-6.20
700.0	1.07	285.47	700.0	-1.1	1.5	-0.8	0.12	0.12	1.08
800.0	0.48	308.37	799.9	-0.5	-0.1	-0.5	0.65	-0.59	22.90
900.0	0.19	49.00	899.9	-0.2	-0.1	-0.2	0.55	-0.29	100.63
1,000.0	0.34	50.88	999.9	0.1	0.3	0.1	0.15	0.15	1.88
1,100.0	0.45	40.61	1,099.9	0.6	0.7	0.7	0.14	0.12	-10.27
1,200.0	1.33	64.66	1,199.9	1.5	1.9	1.8	0.94	0.88	24.05
1,300.0	3.21	94.85	1,299.8	1.9	5.5	2.9	2.16	1.87	30.18
1,400.0	6.25	106.10	1,399.5	0.2	13.6	2.9	3.16	3.04	11.25
1,500.0	9.43	109.57	1,498.6	-4.1	26.4	1.2	3.22	3.19	3.47
1,600.0	13.13	109.47	1,596.6	-10.7	44.8	-1.6	3.69	3.69	-0.10
1,700.0	16.43	108.81	1,693.3	-19.1	68.9	-5.1	3.31	3.31	-0.66
1,800.0	19.19	108.08	1,788.4	-28.8	98.1	-8.9	2.76	2.75	-0.73
1,900.0	19.67	106.54	1,882.7	-38.8	129.8	-12.5	0.71	0.49	-1.54
2,000.0	19.74	106.74	1,976.8	-48.3	162.3	-15.3	0.09	0.06	0.20
2,100.0	19.46	107.49	2,071.0	-58.2	194.4	-18.7	0.38	-0.28	0.76
2,200.0	19.35	106.34	2,165.4	-67.9	226.1	-22.0	0.40	-0.11	-1.15
2,300.0	19.09	106.08	2,259.8	-77.1	257.8	-24.8	0.27	-0.26	-0.26
2,400.0	18.60	106.23	2,354.5	-85.8	288.6	-27.3	0.49	-0.49	0.15
2,500.0	19.23	108.96	2,449.0	-96.0	319.7	-31.1	1.08	0.63	2.73
2,600.0	19.09	108.72	2,543.5	-106.5	350.5	-35.3	0.15	-0.13	-0.24
2,700.0	18.78	108.44	2,638.0	-116.9	381.7	-39.4	0.33	-0.32	-0.28
2,800.0	19.21	110.31	2,732.7	-127.4	411.9	-43.7	0.74	0.43	1.87
2,900.0	18.67	110.50	2,827.2	-139.0	442.7	-49.1	0.53	-0.53	0.19
3,000.0	19.77	109.44	2,921.7	-150.2	473.3	-54.0	1.15	1.10	-1.07
3,100.0	19.10	106.93	3,015.8	-160.9	505.4	-58.1	1.07	-0.67	-2.51
3,200.0	19.71	111.53	3,110.2	-171.3	536.6	-62.2	1.64	0.61	4.60
3,300.0	18.35	109.93	3,204.8	-183.0	567.1	-67.7	1.46	-1.36	-1.60
3,400.0	19.43	111.62	3,299.3	-194.7	597.5	-73.1	1.21	1.08	1.69
3,500.0	18.84	111.57	3,393.9	-206.4	627.7	-78.6	0.59	-0.59	-0.05
3,600.0	19.22	112.74	3,488.2	-219.3	658.3	-85.3	0.53	0.37	1.17
3,700.0	19.22	110.42	3,582.9	-231.0	688.2	-90.9	0.76	0.00	-2.32
3,800.0	19.45	109.09	3,677.0	-242.4	720.1	-95.8	0.50	0.23	-1.32
3,900.0	20.41	108.22	3,771.3	-253.1	751.8	-100.0	1.00	0.96	-0.87
4,000.0	19.65	106.00	3,865.0	-263.5	785.0	-103.6	1.08	-0.77	-2.22
4,100.0	18.06	103.57	3,959.6	-271.7	816.2	-105.5	1.77	-1.59	-2.43
4,200.0	19.27	110.58	4,054.3	-281.3	846.9	-108.9	2.55	1.21	7.01
4,300.0	17.92	108.55	4,149.2	-291.9	876.5	-113.5	1.50	-1.35	-2.03
4,400.0	18.45	106.55	4,244.1	-301.4	906.8	-116.8	0.82	0.53	-2.00
4,500.0	18.42	107.00	4,339.2	-310.0	936.4	-119.4	0.15	-0.04	0.46
4,600.0	19.01	108.31	4,433.6	-320.3	967.6	-123.3	0.73	0.60	1.30
4,700.0	19.94	110.02	4,528.2	-330.7	998.5	-127.5	1.09	0.92	1.72
4,800.0	19.72	110.76	4,622.0	-342.9	1,030.8	-133.1	0.33	-0.21	0.73
4,900.0	17.96	110.07	4,716.6	-354.3	1,061.1	-138.2	1.77	-1.76	-0.68
5,000.0	18.89	107.04	4,811.5	-364.3	1,091.1	-142.1	1.33	0.93	-3.03
5,100.0	17.37	107.40	4,906.7	-373.3	1,120.4	-145.2	1.52	-1.52	0.36
5,200.0	19.19	108.21	5,001.7	-382.9	1,150.1	-148.8	1.83	1.82	0.81
5,300.0	20.64	108.09	5,095.4	-393.7	1,183.1	-152.9	1.45	1.45	-0.12

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Site:	Brighton Lakes Pad Sec.20-T1S-R66W	North Reference:	True
Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Brighton Lakes 20-17-1NAH Wellbore #1		
Design:	Plan 4 (10-3-21) ST 9283'MD		

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)
5,400.0	19.53	108.09	5,189.3	-404.4	1,215.9	-156.9	1.11	-1.11	0.00
5,500.0	18.96	109.11	5,283.8	-414.7	1,246.8	-160.9	0.66	-0.57	1.02
5,600.0	17.92	110.06	5,378.6	-425.5	1,276.9	-165.5	1.08	-1.04	0.95
5,700.0	17.43	113.28	5,473.9	-436.5	1,305.0	-170.8	1.09	-0.49	3.22
5,800.0	20.31	113.18	5,568.6	-449.3	1,334.4	-177.5	2.88	2.88	-0.10
5,900.0	19.44	112.32	5,662.7	-462.4	1,365.8	-184.2	0.92	-0.87	-0.86
6,000.0	18.67	110.70	5,757.4	-474.2	1,395.7	-189.9	0.93	-0.76	-1.61
6,100.0	19.44	108.84	5,851.6	-485.6	1,427.1	-194.9	0.98	0.77	-1.86
6,200.0	19.01	107.47	5,946.3	-495.4	1,457.7	-198.4	0.62	-0.43	-1.37
6,300.0	20.08	108.05	6,040.4	-505.7	1,489.8	-202.2	1.09	1.08	0.58
6,400.0	18.89	107.02	6,134.6	-516.0	1,522.0	-206.0	1.24	-1.19	-1.03
6,500.0	17.05	107.96	6,229.7	-525.1	1,551.5	-209.1	1.86	-1.84	0.94
6,600.0	17.90	110.30	6,325.2	-534.8	1,579.5	-213.1	1.11	0.85	2.34
6,700.0	20.30	110.03	6,419.6	-546.2	1,610.4	-218.2	2.40	2.40	-0.27
6,800.0	19.83	108.34	6,513.4	-557.5	1,643.0	-222.8	0.75	-0.47	-1.70
6,900.0	18.45	99.57	6,608.1	-566.9	1,674.0	-225.9	3.18	-1.38	-8.76
7,000.0	20.39	71.81	6,702.4	-564.3	1,706.7	-217.0	9.34	1.94	-27.76
7,100.0	23.24	48.85	6,795.1	-545.4	1,738.6	-192.1	8.93	2.85	-22.96
7,200.0	29.11	30.05	6,885.3	-512.0	1,765.6	-154.0	10.09	5.87	-18.79
7,300.0	33.17	23.97	6,970.3	-464.6	1,788.5	-103.1	5.14	4.07	-6.08
7,400.0	44.70	21.18	7,048.8	-407.6	1,812.0	-42.6	11.66	11.53	-2.79
7,500.0	47.31	20.09	7,118.1	-340.2	1,837.4	28.6	2.73	2.61	-1.09
7,600.0	55.95	17.45	7,180.0	-266.1	1,863.1	106.3	8.88	8.63	-2.64
7,700.0	63.60	10.60	7,230.4	-182.4	1,883.9	192.4	9.67	7.65	-6.84
7,800.0	74.59	4.83	7,267.4	-90.5	1,895.8	284.9	12.23	10.99	-5.77
7,900.0	85.15	1.86	7,282.6	8.1	1,901.1	382.5	10.96	10.56	-2.97
8,000.0	87.37	0.80	7,288.2	107.9	1,903.1	480.8	2.46	2.22	-1.06
8,100.0	87.63	0.41	7,292.6	207.8	1,904.1	578.9	0.47	0.26	-0.39
8,200.0	87.98	0.18	7,296.4	307.7	1,904.6	677.0	0.42	0.36	-0.23
8,300.0	88.90	0.51	7,299.2	407.7	1,905.2	775.1	0.98	0.92	0.33
8,400.0	89.33	0.14	7,300.7	507.6	1,905.7	873.2	0.56	0.42	-0.37
8,500.0	90.13	0.11	7,301.3	607.6	1,905.8	971.3	0.80	0.80	-0.03
8,600.0	90.98	0.51	7,300.1	707.6	1,906.5	1,069.4	0.95	0.86	0.40
8,700.0	91.31	0.26	7,298.2	807.6	1,907.3	1,167.6	0.41	0.32	-0.25
8,800.0	91.08	1.63	7,295.8	907.6	1,908.1	1,265.8	1.39	-0.23	1.38
8,900.0	89.82	1.80	7,294.9	1,007.5	1,912.1	1,364.5	1.27	-1.26	0.16
9,000.0	89.50	1.24	7,295.8	1,107.5	1,914.5	1,463.0	0.64	-0.31	-0.56
9,100.0	89.77	1.21	7,296.4	1,207.4	1,916.6	1,561.4	0.26	0.26	-0.03
9,200.0	89.97	1.17	7,296.7	1,307.4	1,918.7	1,659.9	0.20	0.20	-0.04
9,283.0	90.04	0.68	7,296.7	1,390.4	1,920.1	1,741.5	0.60	0.09	-0.60
Start Sidetrack 9283'MD									
9,300.0	89.49	0.03	7,296.7	1,407.4	1,920.2	1,758.2	5.00	-3.21	-3.83
9,393.4	86.50	356.45	7,300.0	1,500.6	1,917.3	1,849.0	5.00	-3.21	-3.84
Niobrara									
9,400.0	86.28	356.19	7,300.4	1,507.2	1,916.9	1,855.4	5.00	-3.20	-3.85
9,403.0	86.19	356.08	7,300.6	1,510.2	1,916.7	1,858.3	5.00	-3.20	-3.85
Start DLS 2.00 TFO -79.62									
9,457.3	86.38	355.01	7,304.1	1,564.2	1,912.5	1,910.4	2.00	0.36	-1.97
Start 371.8 hold at 9457.3 MD									
9,500.0	86.38	355.01	7,306.8	1,606.7	1,908.8	1,951.3	0.00	0.00	0.00
9,600.0	86.38	355.01	7,313.1	1,706.1	1,900.1	2,047.1	0.00	0.00	0.00
9,700.0	86.38	355.01	7,319.4	1,805.5	1,891.4	2,142.8	0.00	0.00	0.00
9,708.9	86.38	355.01	7,320.0	1,814.4	1,890.6	2,151.3	0.00	0.00	0.00

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)
Niobrara A Chalk LZ									
9,800.0	86.38	355.01	7,325.7	1,905.0	1,882.7	2,238.6	0.00	0.00	0.00
9,829.1	86.38	355.01	7,327.6	1,933.9	1,880.2	2,266.4	0.00	0.00	0.00
Start DLS 2.50 TFO 57.26									
9,870.6	86.95	355.88	7,330.0	1,975.2	1,876.9	2,306.3	2.50	1.35	2.11
Niobrara A Marl									
9,900.0	87.34	356.50	7,331.5	2,004.5	1,874.9	2,334.7	2.50	1.35	2.10
10,000.0	88.70	358.60	7,334.9	2,104.3	1,870.7	2,431.7	2.50	1.36	2.10
10,095.7	90.00	0.61	7,336.0	2,200.0	1,870.0	2,525.4	2.50	1.36	2.10
Land sidetrack 10095'MD 7336'TVD									
10,100.0	90.00	0.61	7,336.0	2,204.3	1,870.0	2,529.6	0.00	0.00	0.00
10,200.0	90.00	0.61	7,336.0	2,304.3	1,871.1	2,627.8	0.00	0.00	0.00
10,300.0	90.00	0.61	7,336.0	2,404.3	1,872.2	2,726.1	0.00	0.00	0.00
10,400.0	90.00	0.61	7,336.0	2,504.3	1,873.2	2,824.3	0.00	0.00	0.00
10,500.0	90.00	0.61	7,336.0	2,604.3	1,874.3	2,922.6	0.00	0.00	0.00
10,600.0	90.00	0.61	7,336.0	2,704.3	1,875.4	3,020.8	0.00	0.00	0.00
10,700.0	90.00	0.61	7,336.0	2,804.3	1,876.4	3,119.1	0.00	0.00	0.00
10,800.0	90.00	0.61	7,336.0	2,904.3	1,877.5	3,217.3	0.00	0.00	0.00
10,900.0	90.00	0.61	7,336.0	3,004.3	1,878.6	3,315.6	0.00	0.00	0.00
11,000.0	90.00	0.61	7,336.0	3,104.3	1,879.6	3,413.8	0.00	0.00	0.00
11,100.0	90.00	0.61	7,336.0	3,204.3	1,880.7	3,512.0	0.00	0.00	0.00
11,200.0	90.00	0.61	7,336.0	3,304.3	1,881.8	3,610.3	0.00	0.00	0.00
11,300.0	90.00	0.61	7,336.0	3,404.3	1,882.8	3,708.5	0.00	0.00	0.00
11,400.0	90.00	0.61	7,336.0	3,504.2	1,883.9	3,806.8	0.00	0.00	0.00
11,500.0	90.00	0.61	7,336.0	3,604.2	1,885.0	3,905.0	0.00	0.00	0.00
11,600.0	90.00	0.61	7,336.0	3,704.2	1,886.0	4,003.3	0.00	0.00	0.00
11,700.0	90.00	0.61	7,336.0	3,804.2	1,887.1	4,101.5	0.00	0.00	0.00
11,800.0	90.00	0.61	7,336.0	3,904.2	1,888.1	4,199.7	0.00	0.00	0.00
11,900.0	90.00	0.61	7,336.0	4,004.2	1,889.2	4,298.0	0.00	0.00	0.00
12,000.0	90.00	0.61	7,336.0	4,104.2	1,890.3	4,396.2	0.00	0.00	0.00
12,100.0	90.00	0.61	7,336.0	4,204.2	1,891.3	4,494.5	0.00	0.00	0.00
12,200.0	90.00	0.61	7,336.0	4,304.2	1,892.4	4,592.7	0.00	0.00	0.00
12,300.0	90.00	0.61	7,336.0	4,404.2	1,893.5	4,691.0	0.00	0.00	0.00
12,400.0	90.00	0.61	7,336.0	4,504.2	1,894.5	4,789.2	0.00	0.00	0.00
12,500.0	90.00	0.61	7,336.0	4,604.2	1,895.6	4,887.4	0.00	0.00	0.00
12,600.0	90.00	0.61	7,336.0	4,704.2	1,896.7	4,985.7	0.00	0.00	0.00
12,700.0	90.00	0.61	7,336.0	4,804.2	1,897.7	5,083.9	0.00	0.00	0.00
12,800.0	90.00	0.61	7,336.0	4,904.2	1,898.8	5,182.2	0.00	0.00	0.00
12,900.0	90.00	0.61	7,336.0	5,004.2	1,899.9	5,280.4	0.00	0.00	0.00
13,000.0	90.00	0.61	7,336.0	5,104.2	1,900.9	5,378.7	0.00	0.00	0.00
13,100.0	90.00	0.61	7,336.0	5,204.2	1,902.0	5,476.9	0.00	0.00	0.00
13,200.0	90.00	0.61	7,336.0	5,304.1	1,903.0	5,575.2	0.00	0.00	0.00
13,300.0	90.00	0.61	7,336.0	5,404.1	1,904.1	5,673.4	0.00	0.00	0.00
13,400.0	90.00	0.61	7,336.0	5,504.1	1,905.2	5,771.6	0.00	0.00	0.00
13,500.0	90.00	0.61	7,336.0	5,604.1	1,906.2	5,869.9	0.00	0.00	0.00
13,600.0	90.00	0.61	7,336.0	5,704.1	1,907.3	5,968.1	0.00	0.00	0.00
13,700.0	90.00	0.61	7,336.0	5,804.1	1,908.4	6,066.4	0.00	0.00	0.00
13,800.0	90.00	0.61	7,336.0	5,904.1	1,909.4	6,164.6	0.00	0.00	0.00
13,900.0	90.00	0.61	7,336.0	6,004.1	1,910.5	6,262.9	0.00	0.00	0.00
14,000.0	90.00	0.61	7,336.0	6,104.1	1,911.6	6,361.1	0.00	0.00	0.00
14,100.0	90.00	0.61	7,336.0	6,204.1	1,912.6	6,459.3	0.00	0.00	0.00
14,200.0	90.00	0.61	7,336.0	6,304.1	1,913.7	6,557.6	0.00	0.00	0.00
14,300.0	90.00	0.61	7,336.0	6,404.1	1,914.8	6,655.8	0.00	0.00	0.00

Database:	US_EDM	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Company:	POCO Operating	TVD Reference:	RKB @ 5070.0ft (KB 23')
Project:	Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site:	Brighton Lakes Pad Sec.20-T1S-R66W	North Reference:	True
Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Brighton Lakes 20-17-1NAH Wellbore #1		
Design:	Plan 4 (10-3-21) ST 9283'MD		

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)	
14,400.0	90.00	0.61	7,336.0	6,504.1	1,915.8	6,754.1	0.00	0.00	0.00	
14,500.0	90.00	0.61	7,336.0	6,604.1	1,916.9	6,852.3	0.00	0.00	0.00	
14,600.0	90.00	0.61	7,336.0	6,704.1	1,918.0	6,950.6	0.00	0.00	0.00	
14,700.0	90.00	0.61	7,336.0	6,804.1	1,919.0	7,048.8	0.00	0.00	0.00	
14,800.0	90.00	0.61	7,336.0	6,904.1	1,920.1	7,147.0	0.00	0.00	0.00	
14,900.0	90.00	0.61	7,336.0	7,004.1	1,921.1	7,245.3	0.00	0.00	0.00	
15,000.0	90.00	0.61	7,336.0	7,104.0	1,922.2	7,343.5	0.00	0.00	0.00	
15,100.0	90.00	0.61	7,336.0	7,204.0	1,923.3	7,441.8	0.00	0.00	0.00	
15,200.0	90.00	0.61	7,336.0	7,304.0	1,924.3	7,540.0	0.00	0.00	0.00	
15,300.0	90.00	0.61	7,336.0	7,404.0	1,925.4	7,638.3	0.00	0.00	0.00	
15,400.0	90.00	0.61	7,336.0	7,504.0	1,926.5	7,736.5	0.00	0.00	0.00	
15,500.0	90.00	0.61	7,336.0	7,604.0	1,927.5	7,834.8	0.00	0.00	0.00	
15,600.0	90.00	0.61	7,336.0	7,704.0	1,928.6	7,933.0	0.00	0.00	0.00	
15,700.0	90.00	0.61	7,336.0	7,804.0	1,929.7	8,031.2	0.00	0.00	0.00	
15,800.0	90.00	0.61	7,336.0	7,904.0	1,930.7	8,129.5	0.00	0.00	0.00	
15,900.0	90.00	0.61	7,336.0	8,004.0	1,931.8	8,227.7	0.00	0.00	0.00	
16,000.0	90.00	0.61	7,336.0	8,104.0	1,932.9	8,326.0	0.00	0.00	0.00	
16,100.0	90.00	0.61	7,336.0	8,204.0	1,933.9	8,424.2	0.00	0.00	0.00	
16,200.0	90.00	0.61	7,336.0	8,304.0	1,935.0	8,522.5	0.00	0.00	0.00	
16,300.0	90.00	0.61	7,336.0	8,404.0	1,936.1	8,620.7	0.00	0.00	0.00	
16,400.0	90.00	0.61	7,336.0	8,504.0	1,937.1	8,718.9	0.00	0.00	0.00	
16,500.0	90.00	0.61	7,336.0	8,604.0	1,938.2	8,817.2	0.00	0.00	0.00	
16,600.0	90.00	0.61	7,336.0	8,704.0	1,939.2	8,915.4	0.00	0.00	0.00	
16,700.0	90.00	0.61	7,336.0	8,803.9	1,940.3	9,013.7	0.00	0.00	0.00	
16,800.0	90.00	0.61	7,336.0	8,903.9	1,941.4	9,111.9	0.00	0.00	0.00	
16,900.0	90.00	0.61	7,336.0	9,003.9	1,942.4	9,210.2	0.00	0.00	0.00	
17,000.0	90.00	0.61	7,336.0	9,103.9	1,943.5	9,308.4	0.00	0.00	0.00	
17,100.0	90.00	0.61	7,336.0	9,203.9	1,944.6	9,406.6	0.00	0.00	0.00	
17,200.0	90.00	0.61	7,336.0	9,303.9	1,945.6	9,504.9	0.00	0.00	0.00	
17,300.0	90.00	0.61	7,336.0	9,403.9	1,946.7	9,603.1	0.00	0.00	0.00	
17,400.0	90.00	0.61	7,336.0	9,503.9	1,947.8	9,701.4	0.00	0.00	0.00	
17,500.0	90.00	0.61	7,336.0	9,603.9	1,948.8	9,799.6	0.00	0.00	0.00	
17,597.1	90.00	0.61	7,336.0	9,701.0	1,949.9	9,895.0	0.00	0.00	0.00	
TD at 17597.2'MD 7336'TVD										

Database:	US_EDM	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Company:	POCO Operating	TVD Reference:	RKB @ 5070.0ft (KB 23')
Project:	Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site:	Brighton Lakes Pad Sec.20-T1S-R66W	North Reference:	True
Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Wellbore:	Brighton Lakes 20-17-1NAH Wellbore #1		
Design:	Plan 4 (10-3-21) ST 9283'MD		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
SHL 400'FSL & 1980'FW - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	1,223,370.83	3,195,710.16	39.944420	-104.801980
BHL 460'FNL & 1481'FE - plan misses target center by 63.5ft at 17596.8ft MD (7336.0 TVD, 9700.7 N, 1949.9 E) - Point	0.00	0.00	7,280.0	9,701.0	1,919.9	1,233,086.29	3,197,553.61	39.971050	-104.795130
LP 460'FSL & 1481'FEL - plan misses target center by 7.8ft at 7953.8ft MD (7286.6 TVD, 61.7 N, 1902.6 E) - Point	0.00	0.00	7,280.0	62.0	1,906.7	1,223,447.83	3,197,616.21	39.944590	-104.795180
BHL ST 460'FNL & 1451 - plan misses target center by 0.1ft at 17597.1ft MD (7336.0 TVD, 9701.0 N, 1949.9 E) - Point	0.00	0.00	7,336.0	9,701.0	1,950.0	1,233,086.54	3,197,583.68	39.971050	-104.795023

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
950.1	950.0	Fox Hills		0.00		
1,350.3	1,350.0	Upper Pierre Shale		0.00		
1,865.2	1,850.0	Surface casing		0.00		
5,043.7	4,853.0	Sussex		0.00		
5,200.3	5,002.0	Shannon		0.00		
5,353.9	5,146.0	Lower Pierre Shale		0.00		
7,798.4	7,267.0	Sharon Springs		0.00		
8,347.1	7,300.0	Niobrara		0.00		
9,708.9	7,320.0	Niobrara A Chalk LZ		0.00		
9,870.6	7,330.0	Niobrara A Marl		0.00		

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
9,283.0	7,296.7	1,390.4	1,920.1	Start Sidetrack 9283'MD	
9,403.0	7,300.6	1,510.2	1,916.7	Start DLS 2.00 TFO -79.62	
9,457.3	7,304.1	1,564.2	1,912.5	Start 371.8 hold at 9457.3 MD	
9,829.1	7,327.6	1,933.9	1,880.2	Start DLS 2.50 TFO 57.26	
10,095.7	7,336.0	2,200.0	1,870.0	Land sidetrack 10095'MD 7336'TVD	
17,597.2	7,336.0	9,701.1	1,949.9	TD at 17597.2'MD 7336'TVD	



POCO Operating

Sec.20-T1S-R66W

Brighton Lakes Pad Sec.20-T1S-R66W

Brighton Lakes 20-17-1NAH

Brighton Lakes 20-17-1NAH Wellbore #1

Plan 4 (10-3-21) ST 9283'MD

Anticollision Report

03 October, 2021

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Reference	Plan 4 (10-3-21) ST 9283'MD		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	10/03/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
134.3	9,283.0	Survey #1 (Brighton Lakes 20-17-1NAH W	MWD	MWD - Standard
9,283.0	17,597.1	Plan 4 (10-3-21) ST 9283'MD (Brighton La	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						
Brighton Lakes Pad Sec.20-T1S-R66W						
Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1NA	9,600.0	9,598.9	35.2	28.5	5.257	CC
Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1NA	11,900.0	11,897.4	37.5	-13.2	0.740	Level 1, ES, SF
Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1NA	9,211.1	9,211.1	0.0	-63.2	0.000	Level 1, CC, SF
Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1NA	11,800.0	11,797.4	37.4	-69.3	0.351	Level 1, ES

Offset Design	Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We												Offset Site Error:	0.0 ft
Survey Program:	134-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	
9,283.0	7,297.0	9,283.0	7,296.7	0.0	0.0	44.39	1,390.4	1,920.1	0.5	0.5	0.00	N/A		
9,300.0	7,296.7	9,300.0	7,296.6	0.4	0.3	55.83	1,407.4	1,920.3	0.2	-0.2	0.41	0.457	Level 1	
9,317.3	7,297.0	9,317.3	7,296.5	0.5	0.5	55.84	1,424.6	1,920.7	0.8	0.3	0.47	1.617		
9,400.0	7,300.4	9,399.5	7,295.5	1.4	1.8	56.09	1,506.8	1,924.1	8.7	6.3	2.37	3.673		
9,500.0	7,306.8	9,498.8	7,294.9	2.5	3.2	59.45	1,606.0	1,928.8	23.4	18.8	4.61	5.076		
9,600.0	7,313.1	9,598.9	7,294.6	3.7	4.7	58.46	1,706.1	1,930.0	35.2	28.5	6.71	5.257	CC	
9,700.0	7,319.4	9,698.8	7,295.0	4.9	6.2	57.68	1,806.0	1,929.7	45.4	36.5	8.89	5.109		
9,800.0	7,325.7	9,798.0	7,295.3	6.1	7.8	56.73	1,905.2	1,928.8	55.3	44.1	11.20	4.938		
9,900.0	7,331.5	9,896.8	7,294.2	7.4	9.4	55.14	2,004.0	1,928.3	65.1	51.6	13.52	4.816		
9,921.6	7,332.4	9,918.5	7,293.7	7.7	9.8	54.72	2,025.7	1,928.2	66.8	52.9	13.99	4.778		
10,000.0	7,334.9	9,998.9	7,293.3	8.7	11.0	53.59	2,106.1	1,927.0	70.0	54.5	15.52	4.511		
10,100.0	7,336.0	10,098.6	7,293.5	10.1	12.7	51.94	2,205.7	1,924.3	68.9	51.3	17.70	3.896		
10,129.8	7,336.0	10,128.3	7,293.3	10.5	13.2	51.21	2,235.4	1,923.5	68.1	49.8	18.31	3.720		
10,200.0	7,336.0	10,198.9	7,292.8	11.5	14.4	49.17	2,306.0	1,921.1	66.1	46.5	19.56	3.380		
10,230.0	7,336.0	10,229.4	7,292.9	11.9	14.9	48.39	2,336.4	1,920.0	65.0	45.0	20.03	3.246		
10,300.0	7,336.0	10,300.1	7,294.1	12.9	16.0	47.01	2,407.1	1,917.2	61.6	40.4	21.21	2.903		
10,330.9	7,336.0	10,331.1	7,294.7	13.4	16.5	46.37	2,438.0	1,915.8	59.9	38.2	21.73	2.757		
10,400.0	7,336.0	10,399.3	7,296.0	14.4	17.6	44.80	2,506.1	1,913.0	56.4	33.5	22.97	2.457		
10,430.6	7,336.0	10,429.2	7,296.3	14.9	18.1	44.21	2,536.1	1,912.2	55.4	31.8	23.57	2.349		
10,500.0	7,336.0	10,498.2	7,296.6	15.9	19.2	42.98	2,605.0	1,911.0	53.8	29.0	24.82	2.168		
10,529.6	7,336.0	10,527.7	7,296.7	16.4	19.7	42.34	2,634.6	1,910.5	53.2	27.9	25.28	2.105		
10,600.0	7,336.0	10,598.0	7,296.6	17.4	20.9	40.65	2,704.8	1,909.2	52.0	25.7	26.26	1.979		

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

Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We													Offset Site Error:		0.0 ft
Survey Program: 134-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)				
10,629.5	7,336.0	10,627.4	7,296.5	17.9	21.4	39.94	2,734.2	1,908.7	51.5	24.9	26.64	1.933			
10,700.0	7,336.0	10,697.8	7,296.3	19.0	22.6	38.14	2,804.6	1,907.6	50.5	23.1	27.44	1.841			
10,729.3	7,336.0	10,727.1	7,296.1	19.5	23.1	37.34	2,833.9	1,907.2	50.2	22.5	27.71	1.810			
10,800.0	7,336.0	10,797.9	7,295.8	20.6	24.3	35.17	2,904.7	1,905.8	49.2	21.0	28.14	1.748			
10,829.3	7,336.0	10,827.1	7,295.7	21.0	24.8	34.18	2,933.9	1,905.2	48.8	20.5	28.26	1.725			
10,900.0	7,336.0	10,897.6	7,295.1	22.2	26.0	31.51	3,004.3	1,903.7	48.0	19.7	28.33	1.695			
10,929.0	7,336.0	10,926.4	7,294.8	22.6	26.5	30.59	3,033.1	1,903.2	47.9	19.5	28.42	1.685			
11,000.0	7,336.0	10,997.3	7,294.6	23.8	27.7	30.06	3,104.1	1,903.6	47.9	18.4	29.49	1.624			
11,029.0	7,336.0	11,026.8	7,294.8	24.2	28.1	30.32	3,133.5	1,904.0	47.7	17.6	30.10	1.585			
11,100.0	7,336.0	11,098.3	7,296.5	25.4	29.2	31.49	3,205.0	1,904.9	46.4	14.3	32.08	1.446	Level 3		
11,130.2	7,336.0	11,128.3	7,297.2	25.9	29.7	32.05	3,235.0	1,905.3	45.8	12.7	33.07	1.385	Level 3		
11,200.0	7,336.0	11,198.0	7,298.6	27.0	30.9	33.28	3,304.7	1,906.3	44.7	9.4	35.30	1.267	Level 3		
11,229.9	7,336.0	11,228.0	7,299.2	27.5	31.4	33.76	3,334.7	1,906.7	44.2	8.0	36.22	1.221	Level 2		
11,300.0	7,336.0	11,298.1	7,300.8	28.7	32.6	34.73	3,404.8	1,907.3	42.9	4.5	38.37	1.118	Level 2		
11,330.1	7,336.0	11,328.2	7,301.4	29.2	33.1	35.07	3,434.9	1,907.5	42.3	3.1	39.26	1.078	Level 2		
11,400.0	7,336.0	11,398.1	7,302.7	30.4	34.4	35.66	3,504.7	1,907.8	41.0	-0.2	41.25	0.995	Level 1		
11,429.9	7,336.0	11,428.0	7,303.2	30.9	34.9	35.82	3,534.7	1,907.9	40.5	-1.5	42.05	0.963	Level 1		
11,500.0	7,336.0	11,498.1	7,304.3	32.0	36.2	36.07	3,604.8	1,908.0	39.2	-4.6	43.78	0.895	Level 1		
11,529.9	7,336.0	11,528.0	7,304.8	32.6	36.7	36.15	3,634.7	1,908.0	38.6	-5.9	44.52	0.867	Level 1		
11,600.0	7,336.0	11,597.6	7,305.6	33.7	37.8	36.39	3,704.2	1,908.4	37.8	-8.7	46.45	0.813	Level 1		
11,629.5	7,336.0	11,627.0	7,305.7	34.2	38.4	36.53	3,733.6	1,908.8	37.7	-9.6	47.26	0.797	Level 1		
11,700.0	7,336.0	11,697.4	7,305.9	35.5	39.6	36.61	3,804.1	1,909.5	37.5	-11.4	48.95	0.767	Level 1		
11,729.3	7,336.0	11,726.8	7,305.8	36.0	40.1	36.48	3,833.4	1,909.7	37.5	-12.0	49.53	0.757	Level 1		
11,800.0	7,336.0	11,797.4	7,305.5	37.2	41.4	35.47	3,904.0	1,909.9	37.4	-12.9	50.29	0.744	Level 1		
11,829.1	7,336.0	11,826.5	7,305.3	37.7	41.9	34.88	3,933.1	1,909.9	37.4	-13.0	50.44	0.742	Level 1		
11,833.5	7,336.0	11,830.9	7,305.3	37.7	42.0	34.79	3,937.5	1,909.8	37.4	-13.0	50.46	0.742	Level 1		
11,900.0	7,336.0	11,897.4	7,304.7	38.9	43.2	33.36	4,004.0	1,909.8	37.5	-13.2	50.65	0.740	Level 1, ES, SF		
12,000.0	7,336.0	11,997.6	7,303.6	40.6	45.0	30.01	4,104.2	1,909.0	37.4	-12.1	49.50	0.757	Level 1		
12,028.9	7,336.0	12,026.6	7,303.3	41.1	45.5	28.66	4,133.2	1,908.5	37.3	-11.4	48.69	0.765	Level 1		
12,093.2	7,336.0	12,090.7	7,302.8	42.3	46.6	25.32	4,197.3	1,907.0	36.7	-9.9	46.65	0.787	Level 1		
12,100.0	7,336.0	12,097.4	7,302.7	42.4	46.7	25.04	4,203.9	1,906.9	36.7	-9.8	46.51	0.790	Level 1		
12,122.1	7,336.0	12,119.2	7,302.4	42.8	47.1	24.22	4,225.8	1,906.7	36.9	-9.3	46.16	0.799	Level 1		
12,200.0	7,336.0	12,196.6	7,300.5	44.1	48.5	22.24	4,303.1	1,906.9	38.4	-7.3	45.64	0.841	Level 1		
12,222.8	7,336.0	12,219.3	7,299.8	44.5	48.9	21.58	4,325.8	1,907.0	38.9	-6.4	45.37	0.859	Level 1		
12,300.0	7,336.0	12,297.1	7,297.8	45.9	50.2	19.62	4,403.6	1,907.1	40.5	-4.0	44.47	0.911	Level 1		
12,400.0	7,336.0	12,397.7	7,297.4	47.6	51.9	17.88	4,504.2	1,907.0	40.6	-3.5	44.12	0.920	Level 1		
12,429.3	7,336.0	12,427.2	7,297.3	48.2	52.4	16.83	4,533.7	1,906.6	40.4	-3.0	43.48	0.930	Level 1		
12,500.0	7,336.0	12,497.9	7,297.1	49.4	53.6	13.23	4,604.3	1,904.8	40.0	-1.0	40.96	0.976	Level 1		
12,529.0	7,336.0	12,526.8	7,297.0	49.9	54.1	11.47	4,633.2	1,903.8	39.8	0.1	39.78	1.001	Level 2		
12,595.2	7,336.0	12,592.9	7,296.7	51.1	55.3	8.29	4,699.3	1,902.3	39.7	1.6	38.14	1.041	Level 2		
12,600.0	7,336.0	12,597.7	7,296.7	51.2	55.3	8.10	4,704.1	1,902.3	39.7	1.6	38.07	1.043	Level 2		
12,700.0	7,336.0	12,697.4	7,295.9	53.0	57.1	3.51	4,803.8	1,900.2	40.2	3.4	36.83	1.092	Level 2		
12,800.0	7,336.0	12,797.6	7,295.2	54.8	58.8	1.97	4,904.0	1,900.2	40.9	3.2	37.63	1.086	Level 2		
12,900.0	7,336.0	12,897.8	7,295.3	56.6	60.5	0.81	5,004.2	1,900.4	40.7	2.0	38.72	1.052	Level 2		
13,000.0	7,336.0	12,997.4	7,295.0	58.3	62.2	-0.56	5,103.8	1,900.5	41.0	1.1	39.93	1.027	Level 2		
13,100.0	7,336.0	13,097.3	7,293.7	60.1	64.0	-1.38	5,203.7	1,901.0	42.4	1.1	41.28	1.026	Level 2		
13,200.0	7,336.0	13,128.0	7,293.4	62.0	64.5	-2.07	5,234.4	1,900.8	81.8	62.2	19.59	4.174			
13,300.0	7,336.0	13,128.0	7,293.4	63.8	64.5	-2.07	5,234.4	1,900.8	175.1	167.9	7.19	24.356			
13,400.0	7,336.0	13,128.0	7,293.4	65.6	64.5	-2.07	5,234.4	1,900.8	273.1	268.6	4.55	60.038			
13,500.0	7,336.0	13,128.0	7,293.4	67.4	64.5	-2.07	5,234.4	1,900.8	372.2	366.7	5.54	67.184			
13,600.0	7,336.0	13,128.0	7,293.4	69.2	64.5	-2.07	5,234.4	1,900.8	471.7	465.5	6.25	75.419			
13,700.0	7,336.0	13,128.0	7,293.4	71.0	64.5	-2.07	5,234.4	1,900.8	571.4	564.8	6.57	86.910			

COMPASS 5000.16 Build 99

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We												Offset Site Error:	0.0 ft
Survey Program: 134-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	
13,800.0	7,336.0	13,128.0	7,293.4	72.9	64.5	-2.07	5,234.4	1,900.8	671.1	664.4	6.75	99.370	
13,900.0	7,336.0	13,128.0	7,293.4	74.7	64.5	-2.07	5,234.4	1,900.8	771.0	764.1	6.87	112.221	
14,000.0	7,336.0	13,128.0	7,293.4	76.5	64.5	-2.07	5,234.4	1,900.8	870.8	863.9	6.95	125.237	
14,100.0	7,336.0	13,128.0	7,293.4	78.4	64.5	-2.07	5,234.4	1,900.8	970.7	963.7	7.02	138.310	

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We													Offset Site Error:	0.0 ft
Survey Program:													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		
9,211.1	7,296.7	9,211.1	7,296.7	45.6	45.5	44.39	1,318.5	1,918.9	0.0	-63.2	63.24	0.000	Level 1, CC, SF	
9,300.0	7,296.7	9,300.0	7,296.6	47.7	46.3	55.83	1,407.4	1,920.3	0.2	-69.2	69.34	0.003	Level 1	
9,317.3	7,297.0	9,317.3	7,296.5	47.8	46.5	55.84	1,424.6	1,920.7	0.8	-69.2	69.95	0.011	Level 1	
9,400.0	7,300.4	9,399.5	7,295.5	48.4	47.4	56.09	1,506.8	1,924.1	8.7	-63.7	72.39	0.120	Level 1	
9,500.0	7,306.8	9,498.8	7,294.9	49.0	48.4	59.45	1,606.0	1,928.8	23.4	-51.2	74.59	0.314	Level 1	
9,600.0	7,313.1	9,598.9	7,294.6	49.7	49.5	58.46	1,706.1	1,930.0	35.2	-39.9	75.12	0.469	Level 1	
9,700.0	7,319.4	9,698.8	7,295.0	50.4	50.6	57.68	1,806.0	1,929.7	45.4	-31.2	76.59	0.593	Level 1	
9,800.0	7,325.7	9,798.0	7,295.3	51.2	51.7	56.73	1,905.2	1,928.8	55.3	-23.4	78.70	0.703	Level 1	
9,900.0	7,331.5	9,896.8	7,294.2	52.0	52.9	55.14	2,004.0	1,928.3	65.1	-15.7	80.85	0.805	Level 1	
9,921.6	7,332.4	9,918.5	7,293.7	52.2	53.2	54.72	2,025.7	1,928.2	66.8	-14.3	81.10	0.824	Level 1	
10,000.0	7,334.9	9,998.9	7,293.3	52.9	54.2	53.59	2,106.1	1,927.0	70.0	-11.0	81.02	0.864	Level 1	
10,100.0	7,336.0	10,098.6	7,293.5	53.9	55.4	51.94	2,205.7	1,924.3	68.9	-13.8	82.70	0.834	Level 1	
10,129.8	7,336.0	10,128.3	7,293.3	54.2	55.8	51.21	2,235.4	1,923.5	68.1	-14.9	83.01	0.821	Level 1	
10,200.0	7,336.0	10,198.9	7,292.8	55.0	56.8	49.17	2,306.0	1,921.1	66.1	-17.1	83.22	0.794	Level 1	
10,230.0	7,336.0	10,229.4	7,292.9	55.3	57.2	48.39	2,336.4	1,920.0	65.0	-18.0	83.05	0.783	Level 1	
10,300.0	7,336.0	10,300.1	7,294.1	56.0	58.1	47.01	2,407.1	1,917.2	61.6	-21.6	83.15	0.740	Level 1	
10,330.9	7,336.0	10,331.1	7,294.7	56.4	58.5	46.37	2,438.0	1,915.8	59.9	-23.4	83.32	0.719	Level 1	
10,400.0	7,336.0	10,399.3	7,296.0	57.1	59.4	44.80	2,506.1	1,913.0	56.4	-27.9	84.30	0.669	Level 1	
10,430.6	7,336.0	10,429.2	7,296.3	57.5	59.8	44.21	2,536.1	1,912.2	55.4	-29.6	84.99	0.652	Level 1	
10,500.0	7,336.0	10,498.2	7,296.6	58.3	60.7	42.98	2,605.0	1,911.0	53.8	-32.0	85.85	0.627	Level 1	
10,529.6	7,336.0	10,527.7	7,296.7	58.7	61.1	42.34	2,634.6	1,910.5	53.2	-32.8	86.01	0.619	Level 1	
10,600.0	7,336.0	10,598.0	7,296.6	59.5	62.1	40.65	2,704.8	1,909.2	52.0	-34.2	86.18	0.603	Level 1	
10,629.5	7,336.0	10,627.4	7,296.5	59.9	62.6	39.94	2,734.2	1,908.7	51.5	-34.7	86.22	0.597	Level 1	
10,700.0	7,336.0	10,697.8	7,296.3	60.7	63.6	38.14	2,804.6	1,907.6	50.5	-35.6	86.11	0.587	Level 1	
10,729.3	7,336.0	10,727.1	7,296.1	61.1	64.0	37.34	2,833.9	1,907.2	50.2	-35.8	85.94	0.584	Level 1	
10,800.0	7,336.0	10,797.9	7,295.8	62.0	65.0	35.17	2,904.7	1,905.8	49.2	-35.9	85.07	0.578	Level 1	
10,829.3	7,336.0	10,827.1	7,295.7	62.4	65.5	34.18	2,933.9	1,905.2	48.8	-35.9	84.68	0.576	Level 1	
10,900.0	7,336.0	10,897.6	7,295.1	63.3	66.5	31.51	3,004.3	1,903.7	48.0	-35.4	83.43	0.576	Level 1	
10,929.0	7,336.0	10,926.4	7,294.8	63.7	66.9	30.59	3,033.1	1,903.2	47.9	-35.2	83.08	0.576	Level 1	
11,000.0	7,336.0	10,997.3	7,294.6	64.6	68.0	30.06	3,104.1	1,903.6	47.9	-36.0	83.84	0.571	Level 1	
11,029.0	7,336.0	11,026.8	7,294.8	65.0	68.4	30.32	3,133.5	1,904.0	47.7	-36.6	84.31	0.566	Level 1	
11,100.0	7,336.0	11,098.3	7,296.5	66.0	69.4	31.49	3,205.0	1,904.9	46.4	-40.1	86.53	0.536	Level 1	
11,130.2	7,336.0	11,128.3	7,297.2	66.4	69.8	32.05	3,235.0	1,905.3	45.8	-42.1	87.88	0.521	Level 1	
11,200.0	7,336.0	11,198.0	7,298.6	67.4	70.9	33.28	3,304.7	1,906.3	44.7	-46.0	90.73	0.493	Level 1	
11,229.9	7,336.0	11,228.0	7,299.2	67.8	71.4	33.76	3,334.7	1,906.7	44.2	-47.6	91.81	0.482	Level 1	
11,300.0	7,336.0	11,298.1	7,300.8	68.8	72.4	34.73	3,404.8	1,907.3	42.9	-51.5	94.36	0.455	Level 1	
11,330.1	7,336.0	11,328.2	7,301.4	69.3	72.9	35.07	3,434.9	1,907.5	42.3	-53.1	95.40	0.444	Level 1	
11,400.0	7,336.0	11,398.1	7,302.7	70.3	74.1	35.66	3,504.7	1,907.8	41.0	-56.6	97.64	0.420	Level 1	
11,429.9	7,336.0	11,428.0	7,303.2	70.7	74.5	35.82	3,534.7	1,907.9	40.5	-58.0	98.50	0.411	Level 1	
11,500.0	7,336.0	11,498.1	7,304.3	71.7	75.7	36.07	3,604.8	1,908.0	39.2	-61.0	100.22	0.391	Level 1	
11,529.9	7,336.0	11,528.0	7,304.8	72.2	76.1	36.15	3,634.7	1,908.0	38.6	-62.4	100.99	0.382	Level 1	
11,600.0	7,336.0	11,597.6	7,305.6	73.2	77.2	36.39	3,704.2	1,908.4	37.8	-65.7	103.42	0.365	Level 1	
11,629.5	7,336.0	11,627.0	7,305.7	73.7	77.7	36.53	3,733.6	1,908.8	37.7	-66.7	104.35	0.361	Level 1	
11,700.0	7,336.0	11,697.4	7,305.9	74.8	78.8	36.61	3,804.1	1,909.5	37.5	-68.5	106.03	0.354	Level 1	
11,729.3	7,336.0	11,726.8	7,305.8	75.2	79.3	36.48	3,833.4	1,909.7	37.5	-69.0	106.53	0.352	Level 1	
11,800.0	7,336.0	11,797.4	7,305.5	76.3	80.5	35.47	3,904.0	1,909.9	37.4	-69.3	106.72	0.351	Level 1, ES	
11,829.1	7,336.0	11,826.5	7,305.3	76.7	81.0	34.88	3,933.1	1,909.9	37.4	-69.1	106.55	0.351	Level 1	
11,833.5	7,336.0	11,830.9	7,305.3	76.8	81.1	34.79	3,937.5	1,909.8	37.4	-69.1	106.52	0.351	Level 1	
11,900.0	7,336.0	11,897.4	7,304.7	77.8	82.2	33.36	4,004.0	1,909.8	37.5	-68.5	105.92	0.354	Level 1	
12,000.0	7,336.0	11,997.6	7,303.6	79.4	83.8	30.01	4,104.2	1,909.0	37.4	-65.3	102.76	0.364	Level 1	
12,028.9	7,336.0	12,026.6	7,303.3	79.9	84.3	28.66	4,133.2	1,908.5	37.3	-63.8	101.10	0.369	Level 1	
12,093.2	7,336.0	12,090.7	7,302.8	80.9	85.3	25.32	4,197.3	1,907.0	36.7	-60.7	97.46	0.377	Level 1	

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

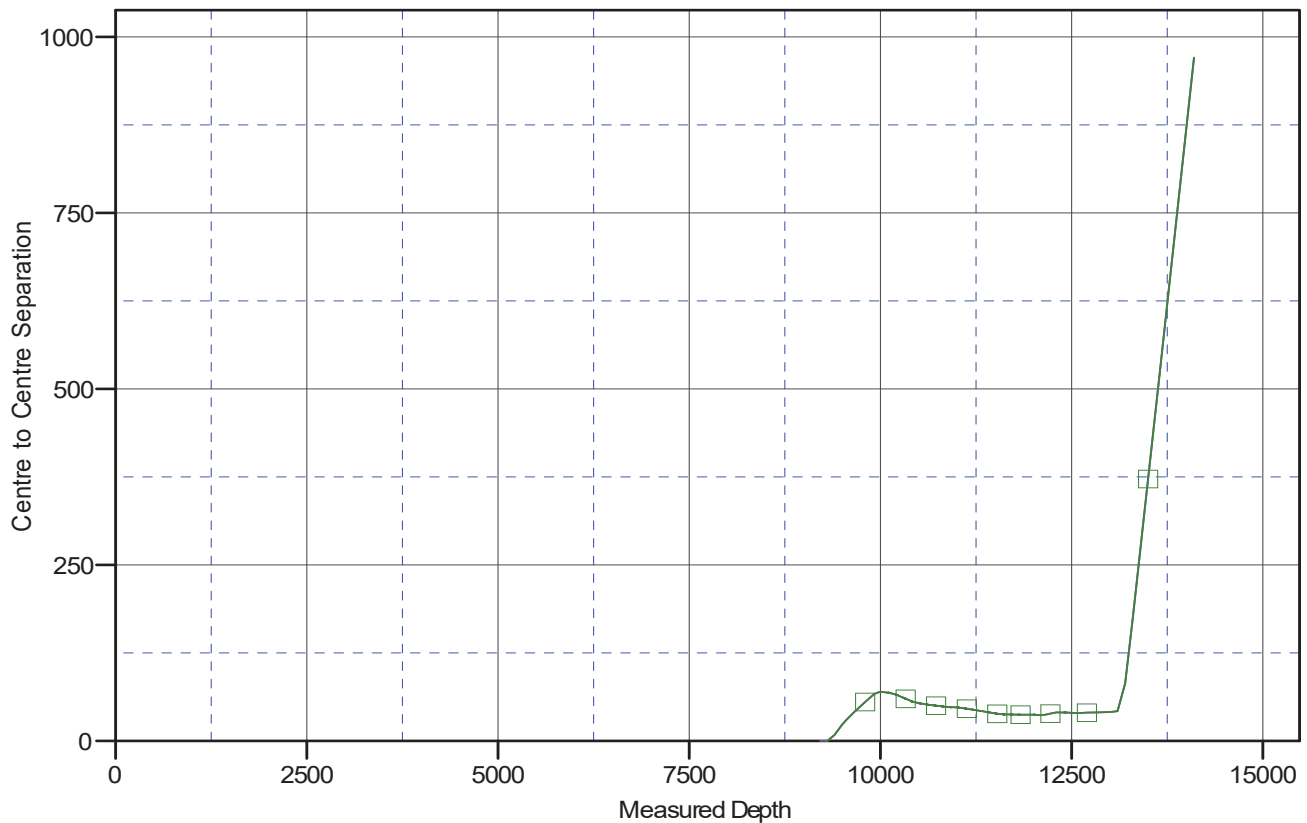
Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We													Offset Site Error: 0.0 ft	
Survey Program:													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical 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)			
12,100.0	7,336.0	12,097.4	7,302.7	81.0	85.4	25.04	4,203.9	1,906.9	36.7	-60.5	97.22	0.378	Level 1	
12,122.1	7,336.0	12,119.2	7,302.4	81.4	85.8	24.22	4,225.8	1,906.7	36.9	-59.7	96.62	0.382	Level 1	
12,200.0	7,336.0	12,196.6	7,300.5	82.6	87.0	22.24	4,303.1	1,906.9	38.4	-56.9	95.32	0.403	Level 1	
12,222.8	7,336.0	12,219.3	7,299.8	83.0	87.4	21.58	4,325.8	1,907.0	38.9	-55.8	94.72	0.411	Level 1	
12,300.0	7,336.0	12,297.1	7,297.8	84.2	88.7	19.62	4,403.6	1,907.1	40.5	-51.9	92.42	0.438	Level 1	
12,400.0	7,336.0	12,397.7	7,297.4	85.9	90.2	17.88	4,504.2	1,907.0	40.6	-50.3	90.86	0.447	Level 1	
12,429.3	7,336.0	12,427.2	7,297.3	86.3	90.7	16.83	4,533.7	1,906.6	40.4	-49.2	89.68	0.451	Level 1	
12,500.0	7,336.0	12,497.9	7,297.1	87.5	91.9	13.23	4,604.3	1,904.8	40.0	-45.5	85.52	0.468	Level 1	
12,529.0	7,336.0	12,526.8	7,297.0	88.0	92.4	11.47	4,633.2	1,903.8	39.8	-43.8	83.62	0.476	Level 1	
12,595.2	7,336.0	12,592.9	7,296.7	89.1	93.4	8.29	4,699.3	1,902.3	39.7	-41.1	80.76	0.492	Level 1	
12,600.0	7,336.0	12,597.7	7,296.7	89.2	93.5	8.10	4,704.1	1,902.3	39.7	-40.9	80.62	0.492	Level 1	
12,700.0	7,336.0	12,697.4	7,295.9	90.8	95.1	3.51	4,803.8	1,900.2	40.2	-37.5	77.74	0.517	Level 1	
12,800.0	7,336.0	12,797.6	7,295.2	92.5	96.8	1.97	4,904.0	1,900.2	40.9	-37.1	77.95	0.524	Level 1	
12,900.0	7,336.0	12,897.8	7,295.3	94.2	98.4	0.81	5,004.2	1,900.4	40.7	-37.9	78.62	0.518	Level 1	
13,000.0	7,336.0	12,997.4	7,295.0	95.9	100.1	-0.56	5,103.8	1,900.5	41.0	-38.4	79.39	0.517	Level 1	
13,100.0	7,336.0	13,097.3	7,293.7	97.6	101.7	-1.38	5,203.7	1,901.0	42.4	-38.1	80.47	0.526	Level 1	
13,200.0	7,336.0	13,128.0	7,293.4	99.3	102.2	-2.07	5,234.4	1,900.8	81.8	2.0	79.82	1.025	Level 2	
13,300.0	7,336.0	13,128.0	7,293.4	101.0	102.2	-2.07	5,234.4	1,900.8	175.1	94.8	80.30	2.180		
13,400.0	7,336.0	13,128.0	7,293.4	102.8	102.2	-2.07	5,234.4	1,900.8	273.1	192.6	80.52	3.392		
13,500.0	7,336.0	13,128.0	7,293.4	104.5	102.2	-2.07	5,234.4	1,900.8	372.2	291.6	80.66	4.615		
13,600.0	7,336.0	13,128.0	7,293.4	106.3	102.2	-2.07	5,234.4	1,900.8	471.7	391.0	80.75	5.841		
13,700.0	7,336.0	13,128.0	7,293.4	108.0	102.2	-2.07	5,234.4	1,900.8	571.4	490.5	80.83	7.069		
13,800.0	7,336.0	13,128.0	7,293.4	109.8	102.2	-2.07	5,234.4	1,900.8	671.1	590.2	80.90	8.296		
13,900.0	7,336.0	13,128.0	7,293.4	111.5	102.2	-2.07	5,234.4	1,900.8	771.0	690.0	80.96	9.523		
14,000.0	7,336.0	13,128.0	7,293.4	113.3	102.2	-2.07	5,234.4	1,900.8	870.8	789.8	81.01	10.749		
14,100.0	7,336.0	13,128.0	7,293.4	115.1	102.2	-2.07	5,234.4	1,900.8	970.7	889.6	81.07	11.974		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB @ 5070.0ft (KB 23')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: Brighton Lakes 20-17-1NAH
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°

Ladder Plot



LEGEND

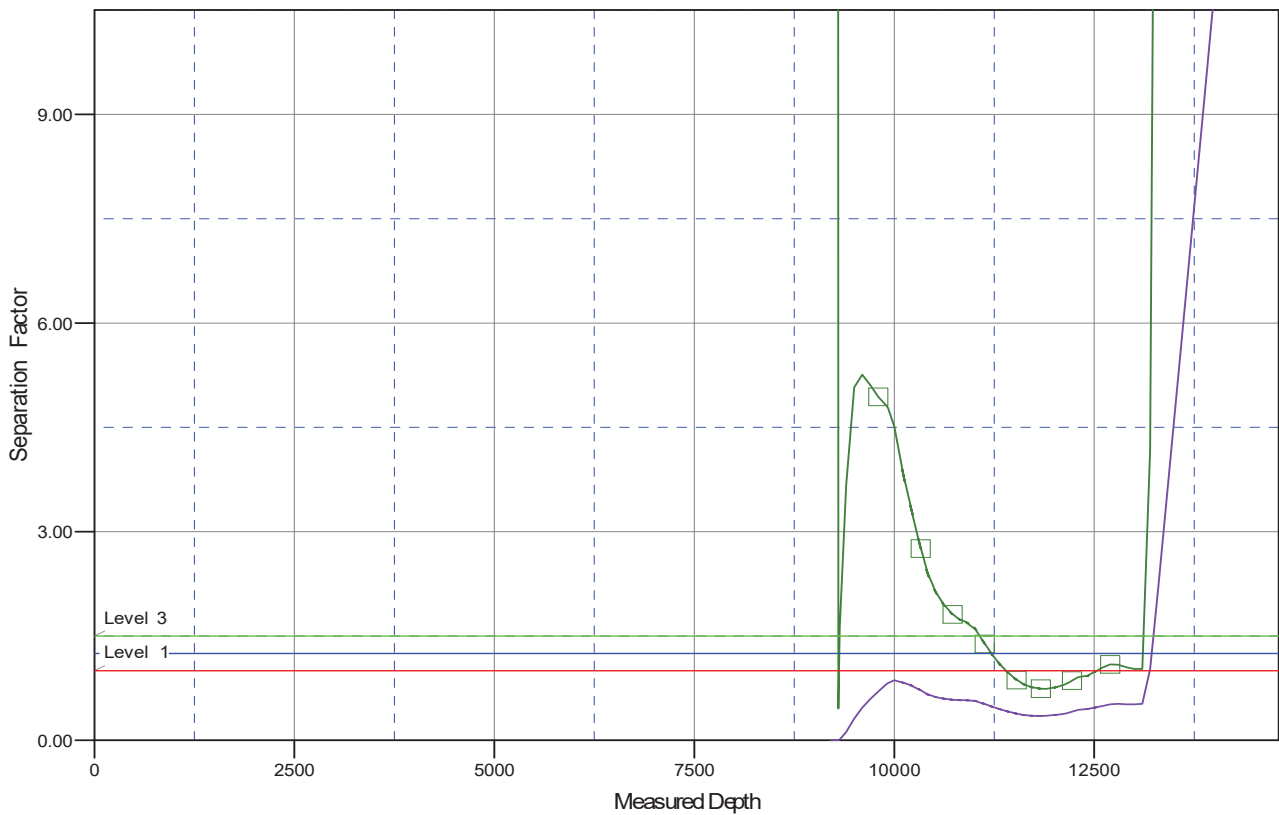
— Brighton Lakes 20-17-1NAH, Brighton Lakes 20-17-1NAH Wellbore #1, Brighton Lakes 20-17-1NAH Wellbore #1 V0

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB @ 5070.0ft (KB 23')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: Brighton Lakes 20-17-1NAH
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

Brighton Lakes 20-17-1NAH, Brighton Lakes 20-17-1NAH Wellbore #1, Brighton Lakes 20-17-1NAH Wellbore #1 V0



POCO Operating

Sec.20-T1S-R66W

Brighton Lakes Pad Sec.20-T1S-R66W

Brighton Lakes 20-17-1NAH

Brighton Lakes 20-17-1NAH Wellbore #1

Plan 4 (10-3-21) ST 9283'MD

Anticollision Report

03 October, 2021

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design		Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb											Offset Site Error:		0.0 ft
Survey Program:		134-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	-94.92	-1.2	-14.0	14.1						
100.0	100.0	100.0	100.0	0.1	0.1	156.21	-1.1	-14.0	14.4	14.3	0.18	79.663			
200.0	200.0	200.0	200.0	0.3	0.3	146.97	-0.7	-14.1	15.5	14.9	0.54	28.414			
300.0	300.0	299.9	299.9	0.5	0.5	156.58	-0.3	-14.4	17.1	16.1	0.97	17.573			
400.0	400.0	399.9	399.9	0.7	0.7	177.59	0.1	-14.9	18.8	17.4	1.37	13.678			
500.0	500.0	500.0	500.0	0.9	0.9	-15.16	0.0	-14.8	19.1	17.3	1.77	10.780			
600.0	600.0	600.0	600.0	1.1	1.1	-10.87	-0.4	-14.6	17.7	15.5	2.19	8.102			
700.0	700.0	700.0	700.0	1.3	1.3	-15.18	-1.0	-14.2	15.7	13.1	2.61	6.028			
800.0	799.9	799.9	799.9	1.5	1.5	-43.64	-1.8	-14.0	13.9	10.9	3.03	4.602			
824.4	824.4	824.3	824.3	1.6	1.6	-52.28	-2.0	-14.1	13.9	10.7	3.13	4.433 CC			
900.0	899.9	899.9	899.8	1.7	1.7	-149.24	-2.7	-14.3	14.5	11.0	3.45	4.199			
1,000.0	999.9	999.8	999.8	1.9	1.9	-153.92	-3.4	-14.9	15.6	11.7	3.87	4.031			
1,100.0	1,099.9	1,100.0	1,100.0	2.1	2.1	-143.69	-3.2	-15.4	16.6	12.3	4.29	3.863			
1,200.0	1,199.9	1,200.1	1,200.1	2.4	2.4	-172.05	-3.7	-14.7	17.4	12.7	4.71	3.702			
1,300.0	1,299.8	1,300.5	1,300.4	2.6	2.6	153.97	-5.0	-12.1	18.9	13.8	5.13	3.692			
1,400.0	1,399.5	1,401.2	1,401.0	2.8	2.8	145.18	-6.6	-6.4	21.2	15.6	5.56	3.810			
1,500.0	1,498.6	1,502.2	1,501.3	3.0	3.0	149.34	-8.6	3.9	23.1	17.1	5.98	3.866			
1,600.0	1,596.6	1,603.5	1,601.3	3.3	3.3	155.17	-13.2	20.0	25.3	18.9	6.40	3.951			
1,700.0	1,693.3	1,704.4	1,699.6	3.7	3.6	158.41	-20.7	41.4	28.3	21.4	6.85	4.131			
1,800.0	1,788.4	1,806.0	1,797.3	4.2	4.0	161.14	-29.6	67.5	31.9	24.6	7.30	4.366			
1,900.0	1,882.7	1,906.3	1,893.0	4.7	4.5	163.72	-39.1	96.1	35.2	27.3	7.84	4.489			
2,000.0	1,976.8	2,006.5	1,988.1	5.2	5.0	161.36	-50.0	125.6	38.4	29.9	8.45	4.542			
2,100.0	2,071.0	2,106.3	2,082.8	5.8	5.5	159.41	-60.9	155.2	41.0	31.9	9.08	4.514			
2,200.0	2,165.4	2,205.7	2,177.3	6.3	6.0	158.63	-72.2	183.9	44.1	34.3	9.79	4.508			
2,300.0	2,259.8	2,304.6	2,271.7	6.9	6.5	155.48	-84.7	210.7	49.1	38.5	10.64	4.617			
2,400.0	2,354.5	2,404.1	2,366.9	7.5	7.0	151.52	-97.8	236.7	54.7	43.1	11.58	4.719			
2,500.0	2,449.0	2,503.6	2,462.2	8.1	7.5	147.47	-110.7	262.1	60.9	48.5	12.44	4.898			
2,600.0	2,543.5	2,603.1	2,557.6	8.7	8.0	147.01	-123.6	287.0	67.2	54.0	13.28	5.062			
2,700.0	2,638.0	2,702.3	2,653.0	9.3	8.5	147.03	-136.1	311.1	74.6	60.5	14.10	5.291			
2,800.0	2,732.7	2,801.3	2,748.6	9.9	9.0	145.74	-147.6	334.2	81.9	67.1	14.83	5.521			
2,900.0	2,827.2	2,902.3	2,846.2	10.5	9.5	147.00	-159.2	357.6	89.5	74.1	15.47	5.789			
3,000.0	2,921.7	3,002.0	2,942.1	11.2	10.0	148.15	-171.5	382.1	95.9	79.7	16.25	5.905			
3,100.0	3,015.8	3,105.1	3,041.2	11.8	10.6	151.39	-182.7	408.1	102.9	86.0	16.92	6.083			
3,200.0	3,110.2	3,207.5	3,138.8	12.5	11.2	147.30	-193.5	437.4	105.6	87.9	17.67	5.975			
3,200.0	3,110.2	3,207.5	3,138.8	12.5	11.2	147.30	-193.5	437.4	105.6	87.9	17.67	5.975			
3,300.0	3,204.8	3,305.7	3,232.2	13.1	11.8	149.55	-204.0	465.5	107.2	88.9	18.37	5.837			
3,400.0	3,299.3	3,406.1	3,327.8	13.8	12.4	148.50	-215.1	494.1	109.2	90.1	19.08	5.723			
3,500.0	3,393.9	3,505.6	3,422.8	14.4	12.9	149.31	-225.7	521.8	111.5	91.7	19.76	5.641			
3,600.0	3,488.2	3,606.1	3,518.4	15.0	13.5	149.20	-237.0	550.7	113.2	92.8	20.38	5.556			
3,700.0	3,582.9	3,704.1	3,612.0	15.7	14.1	152.20	-247.3	577.7	115.4	94.4	21.01	5.493			
3,800.0	3,677.0	3,804.8	3,708.5	16.3	14.7	154.60	-257.2	604.5	120.7	99.2	21.54	5.603			
3,900.0	3,771.3	3,904.0	3,803.2	17.0	15.3	155.34	-268.4	631.8	125.1	102.7	22.33	5.600			
4,000.0	3,865.0	4,004.3	3,899.1	17.7	15.9	157.35	-280.0	658.9	131.7	108.6	23.14	5.691			
4,100.0	3,959.6	4,102.1	3,992.6	18.4	16.4	158.22	-292.2	685.1	136.8	112.5	24.26	5.638			
4,200.0	4,054.3	4,202.9	4,088.9	19.0	17.0	150.45	-305.1	711.8	141.4	116.1	25.30	5.589			
4,300.0	4,149.2	4,301.0	4,182.9	19.6	17.6	151.80	-317.7	737.3	145.5	119.2	26.27	5.540			
4,400.0	4,244.1	4,402.0	4,279.5	20.2	18.2	152.68	-330.9	763.2	150.7	123.4	27.37	5.508			
4,500.0	4,339.2	4,503.0	4,375.4	20.9	18.8	149.82	-346.6	790.9	154.3	125.4	28.92	5.336			
4,600.0	4,433.6	4,600.8	4,468.4	21.5	19.4	147.33	-361.1	817.2	159.7	129.5	30.17	5.292			
4,700.0	4,528.2	4,702.9	4,565.9	22.2	20.0	144.82	-375.7	843.8	165.5	134.1	31.35	5.279			
4,800.0	4,622.0	4,802.0	4,660.0	22.9	20.6	143.76	-390.2	871.2	170.7	138.3	32.40	5.268			
4,900.0	4,716.6	4,899.2	4,752.9	23.5	21.1	144.08	-403.7	896.5	175.6	142.2	33.42	5.254			

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb													Offset Site Error:	0.0 ft
Survey Program: 134-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		
5,000.0	4,811.5	5,004.1	4,853.2	24.1	21.8	146.44	-417.0	924.3	179.8	145.3	34.51	5.210		
5,100.0	4,906.7	5,102.3	4,947.0	24.8	22.3	145.45	-428.8	951.0	182.8	147.2	35.62	5.132		
5,200.0	5,001.7	5,202.3	5,042.8	25.4	22.9	144.53	-440.0	977.0	186.8	150.3	36.54	5.113		
5,300.0	5,095.4	5,303.4	5,139.3	26.1	23.5	144.78	-452.1	1,005.0	192.5	155.1	37.39	5.149		
5,400.0	5,189.3	5,401.7	5,233.3	26.8	24.1	145.06	-463.8	1,031.2	198.9	160.7	38.21	5.206		
5,500.0	5,283.8	5,499.8	5,327.0	27.4	24.7	143.89	-476.1	1,057.3	203.9	164.7	39.18	5.204		
5,600.0	5,378.6	5,603.2	5,426.1	28.1	25.3	143.06	-488.3	1,084.2	208.2	168.1	40.06	5.197		
5,700.0	5,473.9	5,702.0	5,520.5	28.7	25.8	139.91	-499.7	1,111.1	209.2	168.2	40.97	5.106		
5,700.0	5,473.9	5,702.0	5,520.5	28.7	25.8	139.91	-499.7	1,111.1	209.2	168.2	40.97	5.106		
5,800.0	5,568.6	5,801.4	5,615.8	29.3	26.4	140.69	-510.6	1,137.3	211.7	170.2	41.54	5.097		
5,900.0	5,662.7	5,907.1	5,716.3	30.0	27.0	142.17	-523.1	1,167.3	214.4	172.1	42.22	5.078		
5,900.0	5,662.7	5,907.1	5,716.3	30.0	27.0	142.17	-523.1	1,167.3	214.4	172.1	42.22	5.078		
6,000.0	5,757.4	6,002.7	5,807.4	30.6	27.6	143.92	-534.0	1,194.3	216.0	173.0	43.01	5.021		
6,100.0	5,851.6	6,099.2	5,900.1	31.3	28.2	146.39	-543.9	1,219.1	221.4	177.8	43.53	5.085		
6,200.0	5,946.3	6,197.0	5,994.1	32.0	28.7	147.64	-555.2	1,244.0	227.0	182.6	44.40	5.111		
6,300.0	6,040.4	6,294.6	6,088.2	32.6	29.2	147.45	-565.8	1,267.3	235.4	190.4	45.04	5.227		
6,400.0	6,134.6	6,393.8	6,183.8	33.3	29.8	148.70	-577.5	1,290.9	244.2	198.4	45.78	5.333		
6,500.0	6,229.7	6,498.8	6,284.7	33.9	30.3	147.38	-590.5	1,316.7	249.9	203.0	46.89	5.329		
6,600.0	6,325.2	6,593.2	6,375.3	34.5	30.9	144.62	-602.7	1,340.5	253.4	205.5	47.95	5.286		
6,700.0	6,419.6	6,691.7	6,470.2	35.2	31.4	145.00	-614.9	1,363.5	261.2	212.5	48.69	5.364		
6,800.0	6,513.4	6,802.4	6,576.1	35.9	32.1	146.62	-629.7	1,392.6	268.0	218.3	49.72	5.390		
6,900.0	6,608.1	6,897.8	6,667.3	36.5	32.6	154.76	-641.6	1,417.9	273.2	222.5	50.76	5.383		
7,000.0	6,702.4	7,010.5	6,775.8	37.1	33.2	179.86	-650.5	1,446.7	283.6	231.3	52.31	5.422		
7,100.0	6,795.1	7,119.8	6,880.4	37.6	33.7	-160.30	-643.6	1,477.2	292.0	238.4	53.58	5.450		
7,200.0	6,885.3	7,228.7	6,983.6	38.0	34.1	-145.39	-623.3	1,505.1	299.9	245.4	54.51	5.502		
7,300.0	6,970.3	7,344.5	7,090.6	38.2	34.4	-143.74	-589.6	1,533.8	308.1	253.3	54.86	5.617		
7,300.2	6,970.5	7,344.9	7,090.9	38.2	34.4	-143.75	-589.5	1,533.9	308.2	253.3	54.86	5.617		
7,400.0	7,048.8	7,472.3	7,200.0	38.4	34.7	-143.66	-531.9	1,565.0	315.1	262.3	52.89	5.959		
7,400.1	7,048.9	7,472.4	7,200.1	38.4	34.7	-143.67	-531.8	1,565.0	315.2	262.3	52.89	5.959		
7,500.0	7,118.1	7,596.4	7,293.9	38.6	34.8	-143.51	-455.2	1,590.5	324.2	274.2	50.02	6.481		
7,503.2	7,120.3	7,599.7	7,296.3	38.6	34.8	-143.41	-453.0	1,591.1	324.4	274.4	49.98	6.490		
7,600.0	7,180.0	7,702.2	7,363.8	38.9	34.7	-140.15	-377.3	1,604.9	335.9	287.3	48.59	6.913		
7,600.4	7,180.2	7,702.6	7,364.1	38.9	34.7	-140.12	-376.9	1,605.0	335.9	287.4	48.58	6.916		
7,700.0	7,230.4	7,867.7	7,444.3	39.0	34.6	-133.04	-234.0	1,617.2	345.7	303.6	42.15	8.203		
7,800.0	7,267.4	8,013.6	7,481.0	39.1	34.6	-129.36	-94.2	1,635.2	336.9	296.5	40.44	8.331		
7,900.0	7,282.6	8,126.2	7,492.5	39.1	34.7	-129.32	17.2	1,646.1	330.4	289.2	41.27	8.007		
7,923.6	7,284.5	8,152.8	7,493.3	39.1	34.7	-129.25	43.7	1,647.8	329.0	287.4	41.58	7.913		
8,000.0	7,288.2	8,233.2	7,492.9	39.2	34.8	-129.11	124.0	1,652.5	324.0	281.4	42.58	7.608		
8,024.1	7,289.3	8,256.2	7,492.6	39.2	34.8	-129.02	146.9	1,653.7	322.4	279.5	42.88	7.518		
8,100.0	7,292.6	8,332.0	7,491.5	39.3	35.0	-128.72	222.6	1,657.0	317.6	273.6	43.95	7.225		
8,124.4	7,293.6	8,357.4	7,490.9	39.3	35.1	-128.61	248.0	1,658.1	315.9	271.5	44.37	7.119		
8,200.0	7,296.4	8,433.2	7,488.7	39.4	35.3	-128.24	323.7	1,661.5	310.4	264.8	45.62	6.804		
8,224.3	7,297.2	8,457.1	7,487.9	39.5	35.4	-128.11	347.6	1,662.4	308.7	262.7	46.02	6.709		
8,300.0	7,299.2	8,531.5	7,485.3	39.7	35.6	-127.71	421.9	1,664.9	304.2	256.9	47.28	6.434		
8,323.6	7,299.6	8,554.7	7,484.4	39.7	35.7	-127.57	445.1	1,665.6	303.0	255.3	47.70	6.353		
8,400.0	7,300.7	8,630.5	7,481.2	40.0	36.1	-127.10	520.8	1,667.4	299.2	250.1	49.13	6.089		
8,423.3	7,301.0	8,653.6	7,480.1	40.0	36.2	-126.95	543.8	1,667.9	298.1	248.5	49.59	6.011		
8,500.0	7,301.3	8,727.0	7,477.2	40.4	36.6	-126.63	617.2	1,669.2	295.0	244.2	50.81	5.807		
8,522.1	7,301.2	8,748.4	7,476.6	40.5	36.7	-126.59	638.6	1,669.6	294.4	243.3	51.17	5.755		
8,600.0	7,300.1	8,825.2	7,474.4	40.8	37.2	-126.45	715.3	1,670.6	293.4	240.8	52.54	5.583		
8,621.5	7,299.8	8,846.9	7,473.7	40.9	37.3	-126.41	737.0	1,670.8	293.2	240.2	53.02	5.530		
8,700.0	7,298.2	8,926.7	7,470.7	41.4	37.8	-126.21	816.8	1,671.5	292.3	237.5	54.85	5.329		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb													Offset Site Error:	0.0 ft
Survey Program: 134-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		
8,722.0	7,297.7	8,948.9	7,469.8	41.5	38.0	-126.13	838.9	1,671.7	292.0	236.7	55.36	5.275		
8,800.0	7,295.8	9,026.7	7,466.2	42.0	38.6	-125.82	916.7	1,672.2	291.2	234.1	57.11	5.099		
8,800.0	7,295.8	9,026.7	7,466.2	42.0	38.6	-125.82	916.7	1,672.2	291.2	234.1	57.11	5.099		
8,900.0	7,294.9	9,123.7	7,462.9	42.7	39.4	-125.08	1,013.6	1,673.0	292.3	233.3	58.93	4.960		
8,900.0	7,294.9	9,123.7	7,462.9	42.7	39.4	-125.08	1,013.6	1,673.0	292.3	233.3	58.93	4.960		
9,000.0	7,295.8	9,220.7	7,462.2	43.5	40.2	-124.72	1,110.6	1,674.3	292.3	231.6	60.70	4.815		
9,000.4	7,295.8	9,221.2	7,462.2	43.5	40.2	-124.72	1,111.0	1,674.3	292.3	231.6	60.71	4.814		
9,100.0	7,296.4	9,320.8	7,462.0	44.4	41.1	-124.44	1,210.7	1,675.3	292.7	229.5	63.15	4.635		
9,100.0	7,296.4	9,320.8	7,462.0	44.4	41.1	-124.44	1,210.7	1,675.3	292.7	229.5	63.15	4.635		
9,200.0	7,296.7	9,422.2	7,460.7	45.3	42.2	-124.06	1,312.1	1,676.1	292.9	227.0	65.92	4.443		
9,271.6	7,296.9	9,491.8	7,459.4	47.0	42.9	-123.75	1,381.6	1,676.5	292.5	225.0	67.47	4.335		
9,300.0	7,296.7	9,518.4	7,459.2	47.7	43.2	-123.70	1,408.3	1,676.5	292.8	224.9	67.92	4.311		
9,322.7	7,297.1	9,539.7	7,459.2	47.9	43.5	-123.65	1,429.5	1,676.6	292.5	224.3	68.16	4.291		
9,400.0	7,300.4	9,618.3	7,459.4	48.4	44.3	-123.32	1,508.1	1,676.6	288.1	218.2	69.85	4.124		
9,500.0	7,306.8	9,721.1	7,458.5	49.0	45.5	-123.05	1,610.9	1,677.2	276.9	204.5	72.43	3.823		
9,600.0	7,313.1	9,812.0	7,459.2	49.7	46.5	-123.05	1,701.8	1,677.0	266.6	193.6	73.09	3.648		
9,700.0	7,319.4	9,907.5	7,461.5	50.4	47.7	-123.14	1,797.3	1,675.2	258.8	184.3	74.48	3.475		
9,800.0	7,325.7	10,005.6	7,463.5	51.2	48.9	-123.05	1,895.3	1,672.4	251.6	175.1	76.46	3.291		
9,824.6	7,327.2	10,029.7	7,463.9	51.4	49.2	-123.04	1,919.4	1,671.6	250.0	173.0	76.96	3.249		
9,900.0	7,331.5	10,107.0	7,465.2	52.0	50.2	-122.87	1,996.6	1,668.7	246.0	166.8	79.15	3.108		
9,923.6	7,332.5	10,133.2	7,465.3	52.3	50.6	-122.77	2,022.9	1,667.9	244.9	164.7	80.25	3.052		
10,000.0	7,334.9	10,213.5	7,464.1	52.9	51.6	-122.25	2,103.1	1,666.2	241.8	158.8	83.04	2.912		
10,072.0	7,336.0	10,286.1	7,462.2	53.6	52.6	-121.61	2,175.7	1,664.7	240.8	155.6	85.20	2.827		
10,100.0	7,336.0	10,314.4	7,461.6	53.9	53.0	-121.39	2,203.9	1,664.2	241.1	155.1	86.02	2.803		
10,100.2	7,336.0	10,314.5	7,461.6	53.9	53.0	-121.39	2,204.1	1,664.2	241.1	155.1	86.02	2.803		
10,200.0	7,336.0	10,416.2	7,460.3	55.0	54.3	-120.91	2,305.7	1,663.6	241.9	152.9	89.01	2.717		
10,200.0	7,336.0	10,416.2	7,460.2	55.0	54.3	-120.91	2,305.8	1,663.6	241.9	152.9	89.01	2.717		
10,300.0	7,336.0	10,515.6	7,459.5	56.0	55.7	-120.65	2,405.1	1,663.8	242.2	150.6	91.55	2.646		
10,300.4	7,336.0	10,516.0	7,459.5	56.0	55.7	-120.65	2,405.5	1,663.8	242.2	150.6	91.56	2.645		
10,400.0	7,336.0	10,615.0	7,458.3	57.1	57.2	-120.22	2,504.6	1,663.3	242.9	148.6	94.34	2.575		
10,421.1	7,336.0	10,637.7	7,458.0	57.4	57.6	-120.13	2,527.2	1,663.3	243.0	147.8	95.25	2.551		
10,500.0	7,336.0	10,720.9	7,457.1	58.3	58.8	-119.99	2,610.4	1,664.5	242.3	144.0	98.27	2.465		
10,522.0	7,336.0	10,742.6	7,456.8	58.6	59.1	-119.97	2,632.1	1,665.0	241.9	143.1	98.82	2.448		
10,600.0	7,336.0	10,820.3	7,456.1	59.5	60.2	-119.89	2,709.8	1,666.6	240.9	140.0	100.91	2.387		
10,621.8	7,336.0	10,842.5	7,456.0	59.8	60.6	-119.92	2,732.0	1,667.2	240.6	139.0	101.55	2.369		
10,700.0	7,336.0	10,921.7	7,456.6	60.7	61.7	-120.27	2,811.1	1,669.9	239.2	135.6	103.68	2.308		
10,722.2	7,336.0	10,944.1	7,456.7	61.0	62.1	-120.38	2,833.5	1,670.8	238.8	134.5	104.27	2.290		
10,800.0	7,336.0	11,021.5	7,457.2	62.0	63.2	-120.73	2,910.9	1,673.7	237.2	131.1	106.07	2.236		
10,822.0	7,336.0	11,043.1	7,457.3	62.3	63.6	-120.83	2,932.5	1,674.5	236.8	130.2	106.54	2.222		
10,900.0	7,336.0	11,120.5	7,457.7	63.3	64.8	-121.12	3,009.8	1,676.9	235.6	127.2	108.41	2.173		
10,921.9	7,336.0	11,142.3	7,457.8	63.6	65.1	-121.18	3,031.6	1,677.6	235.3	126.3	108.96	2.159		
11,000.0	7,336.0	11,221.0	7,457.4	64.6	66.4	-121.23	3,110.3	1,679.5	234.1	122.8	111.31	2.103		
11,022.0	7,336.0	11,243.0	7,457.0	64.9	66.8	-121.20	3,132.3	1,680.0	233.7	121.8	111.96	2.087		
11,100.0	7,336.0	11,317.9	7,456.7	66.0	67.9	-121.22	3,207.1	1,681.5	233.0	119.5	113.47	2.053		
11,121.6	7,336.0	11,339.5	7,456.9	66.3	68.2	-121.28	3,228.8	1,681.9	232.9	118.9	114.04	2.042		
11,200.0	7,336.0	11,418.0	7,456.8	67.4	69.4	-121.37	3,307.2	1,683.7	232.0	115.8	116.16	1.997		
11,252.8	7,336.0	11,470.0	7,456.6	68.2	70.2	-121.39	3,359.2	1,684.7	231.5	114.0	117.45	1.971		
11,300.0	7,336.0	11,514.1	7,457.0	68.8	70.9	-121.46	3,403.2	1,685.1	231.8	113.8	118.03	1.964		
11,300.1	7,336.0	11,514.1	7,457.0	68.8	70.9	-121.46	3,403.3	1,685.1	231.8	113.8	118.04	1.964		
11,400.0	7,336.0	11,615.4	7,457.1	70.3	72.5	-121.39	3,504.6	1,685.3	232.6	111.4	121.25	1.918		
11,400.0	7,336.0	11,615.4	7,457.1	70.3	72.5	-121.39	3,504.6	1,685.3	232.6	111.4	121.25	1.918		
11,500.0	7,336.0	11,711.9	7,457.6	71.7	74.0	-121.24	3,601.1	1,684.5	234.4	111.0	123.47	1.899		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb													Offset Site Error:	0.0 ft
Survey Program: 134-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		
11,500.0	7,336.0	11,712.0	7,457.6	71.7	74.0	-121.24	3,601.1	1,684.5	234.4	111.0	123.47	1.899		
11,600.0	7,336.0	11,812.1	7,457.1	73.2	75.6	-120.84	3,701.3	1,683.1	236.4	109.6	126.76	1.865		
11,604.3	7,336.0	11,816.3	7,457.2	73.3	75.7	-120.83	3,705.4	1,683.0	236.5	109.6	126.86	1.864		
11,700.0	7,336.0	11,910.3	7,458.6	74.8	77.1	-120.88	3,799.4	1,681.9	239.1	109.8	129.26	1.850		
11,704.0	7,336.0	11,914.3	7,458.7	74.8	77.2	-120.88	3,803.5	1,681.9	239.2	109.8	129.37	1.849		
11,800.0	7,336.0	12,014.2	7,459.3	76.3	78.8	-120.70	3,903.4	1,680.4	241.6	108.3	133.27	1.813		
11,800.2	7,336.0	12,014.4	7,459.3	76.3	78.8	-120.70	3,903.5	1,680.4	241.6	108.3	133.27	1.812		
11,900.0	7,336.0	12,111.8	7,459.0	77.8	80.4	-120.44	4,001.0	1,679.9	242.8	106.8	135.92	1.786		
11,904.2	7,336.0	12,115.8	7,459.0	77.9	80.4	-120.44	4,004.9	1,679.9	242.9	106.9	135.99	1.786		
12,000.0	7,336.0	12,209.6	7,459.9	79.4	81.9	-120.32	4,098.7	1,678.2	245.7	107.1	138.52	1.773		
12,004.0	7,336.0	12,213.5	7,460.0	79.5	82.0	-120.31	4,102.6	1,678.1	245.8	107.2	138.64	1.773		
12,100.0	7,336.0	12,310.7	7,460.3	81.0	83.6	-120.01	4,199.8	1,676.0	248.7	106.5	142.13	1.750		
12,104.3	7,336.0	12,315.0	7,460.3	81.1	83.7	-119.99	4,204.1	1,675.9	248.8	106.5	142.29	1.748		
12,200.0	7,336.0	12,411.1	7,459.1	82.6	85.4	-119.35	4,300.1	1,673.4	251.3	105.3	145.97	1.722		
12,204.4	7,336.0	12,415.6	7,459.0	82.7	85.4	-119.30	4,304.6	1,673.2	251.4	105.3	146.16	1.720		
12,300.0	7,336.0	12,514.6	7,456.0	84.2	87.1	-118.27	4,403.6	1,670.2	253.5	102.6	150.87	1.680		
12,321.3	7,336.0	12,538.1	7,455.1	84.6	87.5	-118.02	4,427.1	1,669.8	253.6	101.4	152.22	1.666		
12,400.0	7,336.0	12,620.5	7,451.7	85.9	88.9	-117.21	4,509.3	1,669.6	253.0	96.8	156.16	1.620		
12,422.1	7,336.0	12,642.3	7,450.6	86.2	89.2	-116.97	4,531.2	1,669.6	252.7	95.7	157.03	1.609		
12,500.0	7,336.0	12,718.9	7,447.1	87.5	90.5	-116.13	4,607.6	1,669.2	252.2	92.2	159.96	1.577		
12,521.4	7,336.0	12,739.8	7,446.5	87.9	90.8	-115.99	4,628.6	1,669.2	252.1	91.4	160.68	1.569		
12,600.0	7,336.0	12,819.6	7,445.3	89.2	92.1	-115.73	4,708.3	1,669.8	251.9	88.3	163.59	1.540		
12,621.6	7,336.0	12,841.8	7,445.2	89.5	92.5	-115.72	4,730.5	1,670.2	251.7	87.3	164.38	1.531		
12,700.0	7,336.0	12,919.4	7,445.6	90.8	93.7	-115.89	4,808.1	1,671.9	251.1	84.6	166.50	1.508		
12,721.4	7,336.0	12,940.6	7,445.9	91.2	94.0	-115.99	4,829.3	1,672.4	250.9	83.9	167.03	1.502		
12,800.0	7,336.0	13,019.9	7,447.2	92.5	95.3	-116.36	4,908.6	1,674.5	250.4	81.2	169.25	1.480 Level 3		
12,821.5	7,336.0	13,041.4	7,447.5	92.9	95.6	-116.46	4,930.0	1,675.0	250.2	80.4	169.82	1.474 Level 3		
12,900.0	7,336.0	13,119.3	7,448.6	94.2	96.9	-116.81	5,007.9	1,677.0	249.7	77.9	171.82	1.453 Level 3		
12,921.4	7,336.0	13,140.6	7,448.9	94.6	97.3	-116.89	5,029.2	1,677.5	249.6	77.2	172.41	1.448 Level 3		
13,000.0	7,336.0	13,218.7	7,449.5	95.9	98.7	-117.10	5,107.3	1,679.0	249.3	74.6	174.63	1.427 Level 3		
13,041.9	7,336.0	13,259.9	7,449.6	96.6	99.4	-117.12	5,148.4	1,679.6	249.2	73.4	175.81	1.417 Level 3		
13,100.0	7,336.0	13,315.9	7,449.5	97.6	100.4	-117.09	5,204.5	1,680.0	249.4	72.0	177.31	1.406 Level 3		
13,100.0	7,336.0	13,316.0	7,449.5	97.6	100.4	-117.09	5,204.5	1,680.0	249.4	72.0	177.31	1.406 Level 3		
13,200.0	7,336.0	13,411.4	7,451.4	99.3	102.0	-117.34	5,299.9	1,679.9	251.3	72.1	179.20	1.402 Level 3		
13,203.9	7,336.0	13,415.3	7,451.5	99.4	102.0	-117.36	5,303.8	1,679.8	251.4	72.1	179.31	1.402 Level 3		
13,300.0	7,336.0	13,512.0	7,453.5	101.0	103.7	-117.58	5,400.6	1,679.1	253.9	71.6	182.30	1.393 Level 3		
13,304.3	7,336.0	13,516.5	7,453.6	101.1	103.8	-117.58	5,405.0	1,679.0	254.0	71.6	182.46	1.392 Level 3		
13,400.0	7,336.0	13,613.5	7,454.3	102.8	105.5	-117.54	5,502.1	1,678.3	255.9	69.9	185.93	1.376 Level 3		
13,400.0	7,336.0	13,613.5	7,454.3	102.8	105.5	-117.54	5,502.1	1,678.3	255.9	69.9	185.93	1.376 Level 3		
13,500.0	7,336.0	13,712.7	7,453.9	104.5	107.2	-117.24	5,601.2	1,677.1	257.7	68.3	189.38	1.361 Level 3		
13,504.4	7,336.0	13,716.9	7,453.9	104.6	107.3	-117.22	5,605.5	1,677.1	257.8	68.3	189.53	1.360 Level 3		
13,600.0	7,336.0	13,810.7	7,453.6	106.3	108.9	-116.88	5,699.2	1,675.3	260.2	67.5	192.63	1.351 Level 3		
13,603.8	7,336.0	13,814.4	7,453.6	106.3	109.0	-116.88	5,702.9	1,675.2	260.3	67.5	192.74	1.350 Level 3		
13,700.0	7,336.0	13,909.5	7,455.2	108.0	110.6	-116.93	5,797.9	1,673.7	263.3	67.7	195.53	1.346 Level 3		
13,703.7	7,336.0	13,913.1	7,455.2	108.1	110.7	-116.93	5,801.6	1,673.6	263.4	67.7	195.65	1.346 Level 3		
13,800.0	7,336.0	14,010.4	7,455.5	109.8	112.4	-116.66	5,898.8	1,671.4	266.4	67.0	199.39	1.336 Level 3		
13,804.1	7,336.0	14,014.8	7,455.5	109.8	112.5	-116.64	5,903.3	1,671.3	266.5	66.9	199.62	1.335 Level 3		
13,900.0	7,336.0	14,117.9	7,456.2	111.5	114.2	-116.68	6,006.3	1,671.2	267.8	63.7	204.16	1.312 Level 3		
13,921.1	7,336.0	14,139.6	7,456.5	111.9	114.6	-116.75	6,028.0	1,671.6	267.8	63.0	204.87	1.307 Level 3		
14,000.0	7,336.0	14,219.7	7,457.2	113.3	116.0	-116.94	6,108.1	1,673.1	267.5	60.1	207.40	1.290 Level 3		
14,021.4	7,336.0	14,241.0	7,457.2	113.7	116.3	-116.97	6,129.4	1,673.5	267.4	59.3	208.04	1.285 Level 3		
14,100.0	7,336.0	14,318.4	7,457.5	115.1	117.7	-117.05	6,206.7	1,674.8	267.1	56.8	210.24	1.270 Level 3		

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

Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb													Offset Site Error:		0.0 ft
Survey Program: 134-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)				
14,104.3	7,336.0	14,322.5	7,457.5	115.1	117.7	-117.06	6,210.9	1,674.8	267.1	56.7	210.35	1.270	Level 3		
14,200.0	7,336.0	14,417.7	7,459.3	116.8	119.4	-117.46	6,306.1	1,676.5	267.3	54.6	212.79	1.256	Level 3		
14,200.0	7,336.0	14,417.8	7,459.3	116.8	119.4	-117.46	6,306.1	1,676.5	267.3	54.6	212.79	1.256	Level 3		
14,300.0	7,336.0	14,518.3	7,460.0	118.6	121.1	-117.63	6,406.6	1,677.9	267.4	51.4	215.93	1.238	Level 2		
14,332.6	7,336.0	14,550.8	7,459.9	119.2	121.7	-117.61	6,439.2	1,678.2	267.4	50.3	217.03	1.232	Level 2		
14,400.0	7,336.0	14,617.2	7,459.5	120.4	122.9	-117.50	6,505.5	1,678.5	267.5	48.3	219.22	1.220	Level 2		
14,421.0	7,336.0	14,638.0	7,459.3	120.8	123.3	-117.44	6,526.3	1,678.5	267.6	47.6	219.96	1.217	Level 2		
14,500.0	7,336.0	14,720.9	7,458.3	122.2	124.7	-117.22	6,609.2	1,679.1	267.4	43.8	223.62	1.196	Level 2		
14,541.1	7,336.0	14,759.4	7,457.9	122.9	125.4	-117.15	6,647.7	1,679.6	267.2	42.7	224.51	1.190	Level 2		
14,600.0	7,336.0	14,815.0	7,458.3	124.0	126.3	-117.19	6,703.3	1,679.9	267.7	42.0	225.67	1.186	Level 2		
14,600.0	7,336.0	14,815.0	7,458.3	124.0	126.3	-117.19	6,703.3	1,679.9	267.7	42.0	225.67	1.186	Level 2		
14,700.0	7,336.0	14,913.5	7,459.5	125.8	128.0	-117.27	6,801.8	1,679.5	269.5	41.0	228.49	1.179	Level 2		
14,700.0	7,336.0	14,913.5	7,459.5	125.8	128.0	-117.27	6,801.8	1,679.5	269.5	41.0	228.49	1.179	Level 2		
14,800.0	7,336.0	15,016.3	7,459.1	127.6	129.8	-117.05	6,904.6	1,679.0	270.7	37.9	232.73	1.163	Level 2		
14,800.3	7,336.0	15,016.7	7,459.1	127.6	129.8	-117.05	6,905.0	1,679.0	270.7	37.9	232.74	1.163	Level 2		
14,900.0	7,336.0	15,115.0	7,457.9	129.4	131.6	-116.69	7,003.3	1,678.7	271.4	35.1	236.29	1.148	Level 2		
14,900.0	7,336.0	15,115.0	7,457.9	129.4	131.6	-116.69	7,003.3	1,678.7	271.4	35.1	236.29	1.148	Level 2		
15,000.0	7,336.0	15,211.6	7,459.7	131.2	133.2	-116.89	7,099.9	1,678.3	273.5	34.9	238.54	1.146	Level 2		
15,004.0	7,336.0	15,215.6	7,459.8	131.3	133.3	-116.90	7,103.9	1,678.3	273.6	34.9	238.65	1.146	Level 2		
15,100.0	7,336.0	15,312.0	7,461.7	133.0	135.0	-117.10	7,200.3	1,677.7	275.9	34.3	241.62	1.142	Level 2		
15,104.2	7,336.0	15,316.3	7,461.7	133.1	135.1	-117.10	7,204.6	1,677.6	276.0	34.2	241.76	1.142	Level 2		
15,200.0	7,336.0	15,413.1	7,462.5	134.8	136.8	-117.08	7,301.4	1,676.8	278.0	32.8	245.21	1.134	Level 2		
15,200.0	7,336.0	15,413.2	7,462.5	134.8	136.8	-117.08	7,301.4	1,676.8	278.0	32.8	245.21	1.134	Level 2		
15,300.0	7,336.0	15,509.6	7,463.2	136.7	138.5	-116.99	7,397.9	1,675.7	280.3	32.4	247.89	1.131	Level 2		
15,303.6	7,336.0	15,513.1	7,463.2	136.7	138.5	-116.99	7,401.3	1,675.6	280.4	32.4	247.98	1.131	Level 2		
15,400.0	7,336.0	15,606.6	7,463.9	138.5	140.2	-116.79	7,494.8	1,673.0	284.1	33.2	250.88	1.132	Level 2		
15,403.4	7,336.0	15,609.9	7,463.9	138.5	140.2	-116.78	7,498.1	1,672.9	284.2	33.2	250.99	1.132	Level 2		
15,500.0	7,336.0	15,717.6	7,463.9	140.3	142.1	-116.51	7,605.8	1,671.2	286.5	29.6	256.88	1.115	Level 2		
15,500.0	7,336.0	15,717.7	7,463.9	140.3	142.1	-116.51	7,605.8	1,671.2	286.5	29.6	256.88	1.115	Level 2		
15,600.0	7,336.0	15,817.7	7,462.6	142.1	143.8	-116.18	7,705.9	1,671.2	286.8	26.0	260.76	1.100	Level 2		
15,600.0	7,336.0	15,817.7	7,462.6	142.1	143.8	-116.18	7,705.9	1,671.2	286.8	26.0	260.76	1.100	Level 2		
15,700.0	7,336.0	15,916.8	7,460.7	144.0	145.7	-115.74	7,804.9	1,670.9	287.2	22.5	264.72	1.085	Level 2		
15,700.2	7,336.0	15,917.0	7,460.7	144.0	145.7	-115.74	7,805.1	1,670.9	287.2	22.5	264.73	1.085	Level 2		
15,800.0	7,336.0	16,017.4	7,458.5	145.8	147.5	-115.17	7,905.5	1,670.1	288.0	18.9	269.14	1.070	Level 2		
15,871.6	7,336.0	16,090.5	7,457.5	147.1	148.7	-114.95	7,978.6	1,670.4	288.0	15.8	272.16	1.058	Level 2		
15,900.0	7,336.0	16,117.7	7,457.4	147.6	149.2	-114.92	8,005.8	1,670.6	288.0	15.1	272.91	1.055	Level 2		
15,900.2	7,336.0	16,117.9	7,457.4	147.6	149.2	-114.92	8,006.0	1,670.6	288.0	15.1	272.92	1.055	Level 2		
16,000.0	7,336.0	16,215.0	7,458.0	149.4	150.8	-114.98	8,103.1	1,671.0	288.9	13.3	275.59	1.048	Level 2		
16,000.0	7,336.0	16,215.0	7,458.0	149.4	150.8	-114.98	8,103.1	1,671.0	288.9	13.3	275.59	1.048	Level 2		
16,100.0	7,336.0	16,315.4	7,457.6	151.3	152.6	-114.77	8,203.5	1,670.4	290.2	10.8	279.42	1.039	Level 2		
16,100.0	7,336.0	16,315.4	7,457.6	151.3	152.6	-114.77	8,203.5	1,670.4	290.2	10.8	279.42	1.039	Level 2		
16,200.0	7,336.0	16,419.4	7,457.3	153.1	154.5	-114.66	8,307.4	1,670.8	290.8	7.1	283.70	1.025	Level 2		
16,221.2	7,336.0	16,440.9	7,457.6	153.5	154.8	-114.73	8,329.0	1,671.2	290.7	6.4	284.34	1.022	Level 2		
16,300.0	7,336.0	16,519.4	7,458.2	155.0	156.2	-114.89	8,407.5	1,672.6	290.5	3.8	286.66	1.013	Level 2		
16,321.2	7,336.0	16,540.6	7,458.3	155.4	156.6	-114.91	8,428.6	1,672.9	290.4	3.1	287.34	1.011	Level 2		
16,400.0	7,336.0	16,619.3	7,458.4	156.8	158.1	-114.93	8,507.3	1,673.9	290.3	0.3	290.00	1.001	Level 2		
16,421.4	7,336.0	16,641.0	7,458.3	157.2	158.5	-114.92	8,529.0	1,674.1	290.3	-0.5	290.80	0.998	Level 1		
16,500.0	7,336.0	16,718.8	7,457.8	158.6	159.9	-114.84	8,606.9	1,675.1	290.0	-3.5	293.48	0.988	Level 1		
16,501.7	7,336.0	16,720.5	7,457.8	158.7	159.9	-114.84	8,608.5	1,675.1	290.0	-3.6	293.52	0.988	Level 1		
16,600.0	7,336.0	16,814.5	7,459.7	160.5	161.5	-115.17	8,702.5	1,676.0	290.9	-4.5	295.37	0.985	Level 1		
16,600.0	7,336.0	16,814.5	7,459.7	160.5	161.5	-115.17	8,702.5	1,676.0	290.9	-4.5	295.37	0.985	Level 1		
16,700.0	7,336.0	16,915.3	7,462.0	162.3	163.3	-115.54	8,803.3	1,676.6	292.3	-5.9	298.22	0.980	Level 1		

COMPASS 5000.16 Build 99

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lake 20-17-1NBH - Brighton Lake 20-17-1 NBH Wellb													Offset Site Error: 0.0 ft	
Survey Program: 134-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)			
16,700.0	7,336.0	16,915.3	7,462.0	162.3	163.3	-115.54	8,803.3	1,676.6	292.3	-5.9	298.22	0.980	Level 1	
16,800.0	7,336.0	17,014.0	7,463.1	164.2	165.0	-115.66	8,902.0	1,676.9	293.4	-7.7	301.08	0.975	Level 1	
16,804.2	7,336.0	17,018.0	7,463.1	164.3	165.1	-115.68	8,906.0	1,676.9	293.5	-7.7	301.16	0.975	Level 1	
16,900.0	7,336.0	17,110.6	7,466.3	166.0	166.7	-116.15	8,998.6	1,677.0	295.7	-7.1	302.77	0.977	Level 1	
16,903.7	7,336.0	17,114.2	7,466.4	166.1	166.8	-116.17	9,002.1	1,677.0	295.8	-7.0	302.84	0.977	Level 1	
17,000.0	7,336.0	17,209.4	7,469.7	167.9	168.5	-116.59	9,097.3	1,676.4	298.8	-6.3	305.02	0.979	Level 1	
17,003.6	7,336.0	17,213.0	7,469.8	168.0	168.6	-116.60	9,100.9	1,676.4	298.9	-6.2	305.11	0.980	Level 1	
17,100.0	7,336.0	17,309.9	7,472.1	169.7	170.4	-116.81	9,197.8	1,675.2	301.9	-6.2	308.08	0.980	Level 1	
17,103.9	7,336.0	17,313.9	7,472.2	169.8	170.4	-116.81	9,201.7	1,675.1	302.0	-6.2	308.23	0.980	Level 1	
17,200.0	7,336.0	17,414.3	7,472.6	171.6	172.2	-116.67	9,302.1	1,673.8	304.3	-8.3	312.58	0.973	Level 1	
17,200.0	7,336.0	17,414.3	7,472.6	171.6	172.2	-116.67	9,302.1	1,673.8	304.3	-8.3	312.58	0.973	Level 1	
17,300.0	7,336.0	17,511.0	7,472.9	173.5	173.8	-116.55	9,398.8	1,672.7	306.3	-9.1	315.47	0.971	Level 1	
17,304.3	7,336.0	17,515.5	7,472.9	173.5	173.9	-116.54	9,403.4	1,672.6	306.5	-9.2	315.67	0.971	Level 1	
17,400.0	7,336.0	17,615.8	7,472.1	175.3	175.7	-116.23	9,503.6	1,671.4	308.1	-12.3	320.36	0.962	Level 1	
17,400.1	7,336.0	17,615.9	7,472.1	175.3	175.7	-116.23	9,503.7	1,671.4	308.1	-12.3	320.36	0.962	Level 1	
17,500.0	7,336.0	17,715.8	7,469.7	177.2	177.5	-115.64	9,603.6	1,670.2	309.1	-15.9	324.99	0.951	Level 1	
17,500.1	7,336.0	17,716.0	7,469.7	177.2	177.5	-115.64	9,603.7	1,670.2	309.1	-15.9	324.99	0.951	Level 1	
17,597.1	7,336.0	17,811.9	7,466.5	179.0	179.3	-114.87	9,699.6	1,668.3	310.3	-19.4	329.72	0.941	Level 1, ES, SF	

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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	0.5	0.5	0.0	0.0	-89.97	0.0	-44.9	44.9					
100.0	100.0	100.6	100.6	0.1	0.1	160.01	-0.1	-44.7	45.1	44.9	0.18	249.083		
200.0	200.0	200.8	200.8	0.3	0.3	147.33	-0.7	-44.3	45.6	45.1	0.55	83.674		
300.0	300.0	300.9	300.9	0.5	0.5	152.51	-1.7	-43.4	46.0	45.1	0.97	47.621		
400.0	400.0	400.6	400.6	0.7	0.7	171.39	-2.3	-42.9	46.6	45.3	1.36	34.178		
500.0	500.0	500.6	500.6	0.9	0.9	-21.76	-2.8	-42.6	46.8	45.0	1.78	26.371		
600.0	600.0	600.6	600.5	1.1	1.1	-17.23	-3.8	-42.2	45.4	43.2	2.20	20.650		
700.0	700.0	700.4	700.4	1.3	1.3	-18.04	-3.1	-42.3	43.8	41.2	2.61	16.786		
798.2	798.1	798.3	798.3	1.5	1.5	-38.39	-1.3	-42.6	42.9	39.9	3.02	14.218		
800.0	799.9	800.2	800.1	1.5	1.5	-39.39	-1.3	-42.6	42.5	39.5	3.02	14.058 CC, ES		
900.0	899.9	899.8	899.7	1.7	1.7	-139.65	-0.7	-43.9	43.8	40.4	3.44	12.725		
1,000.0	999.9	999.4	999.3	1.9	1.9	-141.70	-0.6	-45.9	46.2	42.3	3.86	11.954		
1,100.0	1,099.9	1,099.5	1,099.4	2.1	2.1	-132.40	-1.0	-48.3	49.1	44.8	4.29	11.440		
1,200.0	1,199.9	1,200.8	1,200.7	2.4	2.4	-158.29	-1.7	-49.0	51.0	46.3	4.71	10.821		
1,300.0	1,299.8	1,301.3	1,301.2	2.6	2.6	170.13	-2.8	-47.8	53.5	48.4	5.14	10.415		
1,400.0	1,399.5	1,401.9	1,401.7	2.8	2.8	159.17	-4.6	-45.6	59.4	53.8	5.57	10.656		
1,500.0	1,498.6	1,504.2	1,503.9	3.0	3.0	157.57	-7.5	-40.7	67.4	61.4	6.01	11.209		
1,600.0	1,596.6	1,608.4	1,607.3	3.3	3.3	159.77	-11.8	-29.8	75.3	68.8	6.45	11.676		
1,700.0	1,693.3	1,711.2	1,708.7	3.7	3.5	162.20	-17.9	-13.5	83.8	76.9	6.90	12.147		
1,800.0	1,788.4	1,812.2	1,807.6	4.2	3.8	164.10	-25.5	5.2	94.8	87.4	7.39	12.827		
1,900.0	1,882.7	1,912.4	1,905.5	4.7	4.2	166.29	-34.0	25.2	107.1	99.2	7.91	13.538		
2,000.0	1,976.8	2,013.5	2,003.8	5.2	4.6	165.31	-44.7	46.3	119.0	110.6	8.45	14.087		
2,100.0	2,071.0	2,112.7	2,099.7	5.8	4.9	162.89	-58.1	67.8	129.6	120.6	9.03	14.359		
2,200.0	2,165.4	2,211.7	2,195.5	6.3	5.3	162.67	-71.0	89.0	140.3	130.7	9.62	14.590		
2,300.0	2,259.8	2,310.4	2,291.1	6.9	5.7	161.68	-83.6	109.7	151.4	141.1	10.24	14.778		
2,400.0	2,354.5	2,408.8	2,386.7	7.5	6.1	160.47	-95.7	129.9	162.2	151.3	10.89	14.894		
2,500.0	2,449.0	2,506.7	2,482.0	8.1	6.5	157.54	-107.1	149.3	173.9	162.4	11.52	15.091		
2,600.0	2,543.5	2,603.6	2,576.6	8.7	6.9	157.93	-117.7	167.5	186.3	174.1	12.15	15.336		
2,700.0	2,638.0	2,703.8	2,674.6	9.3	7.3	158.46	-128.3	185.3	200.0	187.2	12.77	15.663		
2,800.0	2,732.7	2,804.8	2,773.2	9.9	7.7	156.82	-138.8	204.8	211.2	197.8	13.40	15.761		
2,900.0	2,827.2	2,902.6	2,868.4	10.5	8.1	156.71	-150.7	223.5	223.2	209.2	14.06	15.871		
3,000.0	2,921.7	3,005.0	2,967.9	11.2	8.6	157.27	-164.6	243.3	235.0	220.2	14.80	15.878		
3,100.0	3,015.8	3,103.5	3,063.5	11.8	9.0	159.31	-177.8	263.2	247.3	231.8	15.54	15.915		
3,200.0	3,110.2	3,206.0	3,163.0	12.5	9.5	154.49	-190.8	283.9	258.7	242.4	16.28	15.897		
3,300.0	3,204.8	3,303.6	3,257.7	13.1	10.0	156.11	-202.9	304.2	268.8	251.8	16.97	15.836		
3,400.0	3,299.3	3,407.6	3,358.5	13.8	10.4	154.52	-215.4	326.3	278.3	260.6	17.68	15.740		
3,500.0	3,393.9	3,505.6	3,453.6	14.4	10.9	154.78	-226.7	347.3	287.3	268.9	18.36	15.644		
3,600.0	3,488.2	3,605.6	3,550.6	15.0	11.4	154.04	-238.2	368.9	296.6	277.6	19.02	15.594		
3,700.0	3,582.9	3,701.6	3,643.8	15.7	11.8	156.51	-248.9	389.0	305.7	286.1	19.68	15.535		
3,800.0	3,677.0	3,798.8	3,738.6	16.3	12.3	158.12	-259.1	408.2	318.2	297.9	20.31	15.663		
3,900.0	3,771.3	3,898.9	3,836.1	17.0	12.7	158.99	-270.1	428.0	330.5	309.5	21.01	15.734		
4,000.0	3,865.0	3,995.0	3,929.6	17.7	13.2	161.12	-281.4	447.0	344.5	322.8	21.71	15.870		
4,100.0	3,959.6	4,096.8	4,028.8	18.4	13.6	163.18	-293.0	466.5	357.0	334.6	22.46	15.894		
4,200.0	4,054.3	4,202.3	4,131.2	19.0	14.1	155.95	-305.9	488.4	367.4	344.1	23.25	15.801		
4,300.0	4,149.2	4,298.1	4,224.1	19.6	14.6	157.79	-317.9	508.4	376.4	352.4	23.99	15.692		
4,400.0	4,244.1	4,399.8	4,322.9	20.2	15.1	159.46	-330.1	529.4	386.5	361.8	24.75	15.617		
4,500.0	4,339.2	4,505.3	4,425.0	20.9	15.6	158.58	-342.8	552.7	394.4	368.8	25.57	15.424		
4,600.0	4,433.6	4,601.5	4,518.2	21.5	16.1	157.24	-353.9	574.1	403.8	377.5	26.29	15.358		
4,700.0	4,528.2	4,694.1	4,607.9	22.2	16.5	155.42	-365.1	593.5	414.1	387.1	27.01	15.331		
4,800.0	4,622.0	4,795.5	4,706.6	22.9	17.0	154.91	-377.2	613.5	427.1	399.3	27.71	15.410		
4,900.0	4,716.6	4,891.8	4,800.1	23.5	17.4	155.66	-388.9	633.4	437.1	408.6	28.43	15.375		
5,000.0	4,811.5	4,982.3	4,888.4	24.1	17.8	158.62	-398.6	650.4	448.5	419.5	29.07	15.432		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17													Offset Site Error: 0.0 ft	
Survey Program: 135-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)			
5,100.0	4,906.7	5,085.7	4,989.7	24.8	18.3	158.36	-408.8	668.9	460.4	430.6	29.75	15.474		
5,200.0	5,001.7	5,190.4	5,091.6	25.4	18.8	157.26	-421.7	689.2	471.1	440.5	30.56	15.417		
5,300.0	5,095.4	5,298.2	5,196.1	26.1	19.3	157.17	-435.8	711.4	484.1	452.7	31.39	15.423		
5,400.0	5,189.3	5,406.3	5,300.7	26.8	19.8	157.30	-447.6	736.3	494.2	462.0	32.13	15.382		
5,500.0	5,283.8	5,503.0	5,394.1	27.4	20.3	156.24	-459.1	758.5	502.5	469.6	32.88	15.281		
5,600.0	5,378.6	5,595.4	5,483.3	28.1	20.8	155.18	-471.2	779.2	510.6	476.9	33.65	15.174		
5,700.0	5,473.9	5,694.4	5,579.4	28.7	21.3	152.02	-483.2	799.9	518.0	483.6	34.39	15.061		
5,800.0	5,568.6	5,795.8	5,677.6	29.3	21.8	152.15	-495.6	821.8	526.0	490.9	35.10	14.986		
5,900.0	5,662.7	5,899.7	5,778.1	30.0	22.3	153.21	-508.6	844.6	535.7	499.9	35.83	14.952		
6,000.0	5,757.4	5,990.0	5,865.6	30.6	22.7	154.82	-519.7	863.9	544.5	507.9	36.53	14.904		
6,100.0	5,851.6	6,088.5	5,961.2	31.3	23.2	156.61	-531.9	884.2	555.7	518.4	37.27	14.910		
6,200.0	5,946.3	6,176.1	6,046.5	32.0	23.6	157.85	-542.5	901.2	567.3	529.3	37.97	14.938		
6,300.0	6,040.4	6,285.5	6,153.1	32.6	24.1	157.21	-555.3	922.4	580.6	541.8	38.76	14.977		
6,400.0	6,134.6	6,384.4	6,249.2	33.3	24.6	158.31	-566.2	942.9	592.4	552.9	39.47	15.009		
6,500.0	6,229.7	6,468.9	6,331.9	33.9	24.9	157.58	-573.5	958.7	603.4	563.4	40.01	15.082		
6,600.0	6,325.2	6,572.5	6,433.5	34.5	25.4	155.39	-583.0	976.4	614.6	573.9	40.64	15.120		
6,700.0	6,419.6	6,692.1	6,549.6	35.2	25.9	155.49	-598.3	1,000.8	625.4	583.8	41.53	15.056		
6,800.0	6,513.4	6,783.6	6,638.3	35.9	26.4	157.15	-609.8	1,020.3	637.2	594.9	42.25	15.081		
6,900.0	6,608.1	6,884.3	6,736.2	36.5	26.9	165.70	-621.5	1,040.7	648.3	605.3	43.01	15.072		
7,000.0	6,702.4	6,977.0	6,826.2	37.1	27.3	-167.91	-632.9	1,059.5	662.4	618.3	44.11	15.017		
7,100.0	6,795.1	7,060.7	6,907.9	37.6	27.7	-147.06	-641.9	1,075.3	679.7	634.1	45.54	14.923		
7,200.0	6,885.3	7,270.3	7,108.6	38.0	28.6	-134.55	-635.2	1,132.9	682.1	635.8	46.32	14.727		
7,202.6	6,887.5	7,272.0	7,110.2	38.0	28.6	-134.44	-635.0	1,133.4	682.1	635.8	46.36	14.715		
7,300.0	6,970.3	7,336.0	7,170.9	38.2	28.9	-130.96	-625.0	1,151.2	686.9	639.0	47.93	14.332		
7,400.0	7,048.8	7,460.2	7,285.2	38.4	29.2	-130.56	-588.1	1,181.4	697.1	649.1	47.96	14.534		
7,500.0	7,118.1	7,537.8	7,354.1	38.6	29.2	-131.10	-556.2	1,197.3	715.4	666.6	48.78	14.665		
7,600.0	7,180.0	7,606.0	7,413.8	38.9	29.3	-128.83	-524.5	1,206.8	742.9	693.3	49.66	14.959		
7,700.0	7,230.4	7,672.3	7,469.8	39.0	29.2	-123.69	-489.3	1,211.2	777.1	726.7	50.40	15.419		
7,800.0	7,267.4	8,067.2	7,687.0	39.1	28.6	-124.12	-169.8	1,237.6	784.3	743.8	40.47	19.381		
7,800.9	7,267.7	8,068.2	7,687.4	39.1	28.6	-124.11	-168.9	1,237.7	784.3	743.8	40.47	19.382		
7,900.0	7,282.6	8,166.1	7,718.4	39.1	28.5	-124.19	-76.4	1,246.4	790.7	750.2	40.49	19.528		
7,900.2	7,282.7	8,166.3	7,718.4	39.1	28.5	-124.19	-76.2	1,246.4	790.7	750.2	40.49	19.528		
8,000.0	7,288.2	8,384.6	7,752.5	39.2	28.7	-125.47	137.8	1,254.6	797.9	756.6	41.30	19.320		
8,024.8	7,289.4	8,398.5	7,750.8	39.2	28.7	-125.33	151.6	1,254.7	796.0	754.5	41.48	19.189		
8,100.0	7,292.6	8,486.7	7,745.2	39.3	28.9	-124.80	239.6	1,255.8	791.1	748.3	42.72	18.517		
8,124.0	7,293.5	8,504.0	7,744.5	39.3	29.0	-124.72	256.9	1,256.1	789.7	746.8	42.93	18.395		
8,200.0	7,296.4	8,577.2	7,741.6	39.4	29.2	-124.41	330.1	1,256.9	786.0	742.0	43.94	17.889		
8,223.2	7,297.2	8,599.1	7,740.8	39.5	29.3	-124.33	351.9	1,257.1	785.0	740.7	44.24	17.744		
8,300.0	7,299.2	8,672.4	7,738.5	39.7	29.6	-124.10	425.2	1,257.7	782.4	737.1	45.30	17.270		
8,322.3	7,299.6	8,692.9	7,737.9	39.7	29.7	-124.05	445.7	1,257.9	781.8	736.2	45.61	17.139		
8,400.0	7,300.7	8,761.0	7,736.3	40.0	30.1	-123.88	513.8	1,257.9	780.4	733.8	46.62	16.740		
8,421.6	7,301.0	8,780.4	7,735.9	40.0	30.2	-123.84	533.2	1,257.8	780.2	733.2	46.94	16.622		
8,500.0	7,301.3	8,855.0	7,734.2	40.4	30.6	-123.68	607.7	1,256.9	779.8	731.5	48.29	16.150		
8,500.0	7,301.3	8,855.0	7,734.2	40.4	30.6	-123.68	607.8	1,256.9	779.8	731.5	48.29	16.150		
8,600.0	7,300.1	8,941.2	7,732.9	40.8	31.2	-123.55	693.9	1,255.2	781.8	732.1	49.67	15.739		
8,603.8	7,300.1	8,944.5	7,732.9	40.9	31.2	-123.55	697.2	1,255.1	781.9	732.2	49.73	15.725		
8,700.0	7,298.2	9,035.4	7,732.5	41.4	31.9	-123.49	788.1	1,252.4	785.7	734.3	51.43	15.276		
8,703.8	7,298.1	9,039.1	7,732.5	41.4	31.9	-123.49	791.7	1,252.3	785.9	734.4	51.51	15.259		
8,800.0	7,295.8	9,132.0	7,731.8	42.0	32.7	-123.44	884.6	1,249.1	790.3	736.9	53.42	14.795		
8,802.5	7,295.8	9,137.2	7,731.8	42.1	32.8	-123.43	889.8	1,248.9	790.4	736.9	53.58	14.752		
8,900.0	7,294.9	9,230.8	7,731.9	42.7	33.6	-123.27	983.4	1,245.6	797.0	741.6	55.40	14.387		
8,903.5	7,294.9	9,235.4	7,731.9	42.8	33.6	-123.26	988.0	1,245.5	797.2	741.7	55.52	14.358		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17													Offset Site Error: 0.0 ft	
Survey Program: 135-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)			
9,000.0	7,295.8	9,376.0	7,728.9	43.5	35.0	-122.77	1,128.5	1,242.8	799.2	739.5	59.76	13.375		
9,022.2	7,296.0	9,412.3	7,727.8	43.7	35.4	-122.68	1,164.7	1,243.6	798.8	737.8	60.99	13.096		
9,100.0	7,296.4	9,480.6	7,725.5	44.4	36.2	-122.52	1,233.0	1,244.9	797.2	734.7	62.46	12.762		
9,172.2	7,296.6	9,541.3	7,723.9	45.1	36.9	-122.40	1,293.7	1,245.7	796.5	732.8	63.70	12.504		
9,200.0	7,296.7	9,564.3	7,723.7	45.3	37.2	-122.38	1,316.6	1,246.0	796.6	732.4	64.14	12.420		
9,200.1	7,296.7	9,564.4	7,723.7	45.3	37.2	-122.38	1,316.7	1,246.0	796.6	732.4	64.14	12.419		
9,300.0	7,296.7	9,658.5	7,723.9	47.7	38.3	-122.36	1,410.9	1,246.9	797.1	730.8	66.30	12.023		
9,322.9	7,297.1	9,681.1	7,723.9	47.9	38.6	-122.34	1,433.4	1,247.0	796.7	730.0	66.74	11.937		
9,400.0	7,300.4	9,757.8	7,723.8	48.4	39.6	-122.09	1,510.2	1,247.2	792.0	723.6	68.34	11.588		
9,500.0	7,306.8	9,851.1	7,723.5	49.0	40.9	-121.99	1,603.5	1,247.0	781.8	711.6	70.12	11.148		
9,600.0	7,313.1	9,967.5	7,721.7	49.7	42.4	-121.82	1,719.8	1,247.3	770.0	696.7	73.29	10.506		
9,700.0	7,319.4	10,061.2	7,719.8	50.4	43.7	-121.66	1,813.5	1,247.7	757.8	682.6	75.19	10.078		
9,800.0	7,325.7	10,153.2	7,718.2	51.2	44.9	-121.48	1,905.5	1,247.3	746.5	669.5	77.07	9.687		
9,900.0	7,331.5	10,248.5	7,718.0	52.0	46.2	-121.48	2,000.8	1,246.9	737.2	658.1	79.12	9.317		
9,924.5	7,332.5	10,272.5	7,718.1	52.3	46.6	-121.50	2,024.8	1,246.8	735.6	655.9	79.66	9.234		
10,000.0	7,334.9	10,343.1	7,718.8	52.9	47.6	-121.55	2,095.3	1,246.6	732.5	651.4	81.12	9.030		
10,037.8	7,335.6	10,377.5	7,719.3	53.3	48.1	-121.56	2,129.8	1,246.2	732.1	650.3	81.81	8.949		
10,100.0	7,336.0	10,437.3	7,720.1	53.9	48.9	-121.56	2,189.6	1,245.4	733.1	650.0	83.19	8.813		
10,104.0	7,336.0	10,441.2	7,720.1	54.0	49.0	-121.56	2,193.4	1,245.3	733.3	650.0	83.29	8.804		
10,200.0	7,336.0	10,555.0	7,721.2	55.0	50.7	-121.54	2,307.3	1,244.3	735.4	648.5	86.91	8.462		
10,200.4	7,336.0	10,555.6	7,721.2	55.0	50.7	-121.54	2,307.8	1,244.3	735.4	648.5	86.93	8.460		
10,300.0	7,336.0	10,650.9	7,721.2	56.0	52.1	-121.51	2,403.2	1,244.7	736.0	646.8	89.18	8.253		
10,300.0	7,336.0	10,650.9	7,721.2	56.0	52.1	-121.51	2,403.2	1,244.7	736.0	646.8	89.18	8.253		
10,400.0	7,336.0	10,749.4	7,721.8	57.1	53.6	-121.51	2,501.6	1,244.7	737.2	645.5	91.65	8.043		
10,400.0	7,336.0	10,749.4	7,721.8	57.1	53.6	-121.51	2,501.6	1,244.7	737.2	645.5	91.65	8.043		
10,500.0	7,336.0	10,847.2	7,722.9	58.3	55.0	-121.55	2,599.5	1,244.9	738.6	644.5	94.07	7.851		
10,500.0	7,336.0	10,847.3	7,722.9	58.3	55.0	-121.55	2,599.5	1,244.9	738.6	644.5	94.07	7.851		
10,600.0	7,336.0	10,939.2	7,724.2	59.5	56.5	-121.58	2,691.4	1,244.4	740.7	644.5	96.17	7.702		
10,604.1	7,336.0	10,943.0	7,724.3	59.6	56.5	-121.58	2,695.3	1,244.4	740.8	644.5	96.27	7.695		
10,700.0	7,336.0	11,036.6	7,726.1	60.7	58.0	-121.61	2,788.8	1,243.2	743.7	645.0	98.70	7.535		
10,704.2	7,336.0	11,041.2	7,726.2	60.8	58.1	-121.61	2,793.4	1,243.1	743.8	644.9	98.84	7.525		
10,800.0	7,336.0	11,140.8	7,726.5	62.0	59.7	-121.53	2,893.0	1,241.5	746.1	644.3	101.79	7.330		
10,804.2	7,336.0	11,144.9	7,726.5	62.1	59.7	-121.52	2,897.1	1,241.5	746.2	644.3	101.90	7.323		
10,900.0	7,336.0	11,243.9	7,726.7	63.3	61.3	-121.42	2,996.0	1,239.7	748.6	643.8	104.84	7.141		
10,900.0	7,336.0	11,243.9	7,726.7	63.3	61.3	-121.42	2,996.1	1,239.7	748.6	643.8	104.84	7.141		
11,000.0	7,336.0	11,346.7	7,726.4	64.6	62.9	-121.32	3,098.8	1,238.7	750.2	642.3	107.90	6.953		
11,000.0	7,336.0	11,346.7	7,726.4	64.6	62.9	-121.32	3,098.9	1,238.7	750.2	642.3	107.90	6.953		
11,100.0	7,336.0	11,458.5	7,726.1	66.0	64.7	-121.24	3,210.7	1,238.3	751.4	639.8	111.60	6.732		
11,131.9	7,336.0	11,490.9	7,726.3	66.5	65.2	-121.25	3,243.0	1,238.7	751.3	638.8	112.53	6.677		
11,200.0	7,336.0	11,557.0	7,726.4	67.4	66.3	-121.25	3,309.2	1,239.4	751.4	637.1	114.32	6.573		
11,200.0	7,336.0	11,557.0	7,726.4	67.4	66.3	-121.25	3,309.2	1,239.4	751.4	637.1	114.32	6.573		
11,300.0	7,336.0	11,656.3	7,726.4	68.8	67.9	-121.24	3,408.5	1,240.2	751.7	634.5	117.17	6.415		
11,300.2	7,336.0	11,656.5	7,726.4	68.8	67.9	-121.24	3,408.7	1,240.2	751.7	634.5	117.18	6.415		
11,400.0	7,336.0	11,748.9	7,726.4	70.3	69.4	-121.20	3,501.0	1,240.1	752.7	633.1	119.58	6.294		
11,400.1	7,336.0	11,749.0	7,726.4	70.3	69.4	-121.20	3,501.1	1,240.1	752.7	633.1	119.58	6.294		
11,500.0	7,336.0	11,860.6	7,727.5	71.7	71.3	-121.28	3,612.7	1,241.4	753.1	629.8	123.23	6.111		
11,521.3	7,336.0	11,882.6	7,727.8	72.1	71.6	-121.31	3,634.7	1,241.9	753.0	629.1	123.87	6.079		
11,600.0	7,336.0	11,964.4	7,728.2	73.2	73.0	-121.37	3,716.5	1,243.5	752.6	626.3	126.32	5.958		
11,621.6	7,336.0	11,986.9	7,728.3	73.6	73.3	-121.38	3,739.0	1,244.0	752.4	625.4	127.01	5.924		
11,700.0	7,336.0	12,065.2	7,728.1	74.8	74.6	-121.39	3,817.3	1,245.5	751.7	622.4	129.31	5.814		
11,721.6	7,336.0	12,086.4	7,728.0	75.1	75.0	-121.39	3,838.5	1,245.9	751.6	621.6	129.93	5.784		
11,800.0	7,336.0	12,162.7	7,727.6	76.3	76.3	-121.38	3,914.8	1,247.1	751.1	618.9	132.14	5.684		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
11,864.4	7,336.0	12,223.4	7,727.4	77.3	77.4	-121.37	3,975.5	1,247.8	750.9	617.1	133.81	5.611		
11,900.0	7,336.0	12,256.3	7,727.6	77.8	77.9	-121.39	4,008.4	1,248.2	750.9	616.3	134.66	5.576		
11,900.3	7,336.0	12,256.6	7,727.6	77.9	77.9	-121.39	4,008.7	1,248.2	750.9	616.3	134.67	5.576		
12,000.0	7,336.0	12,357.2	7,729.0	79.4	79.6	-121.49	4,109.2	1,249.6	751.3	613.7	137.59	5.461		
12,000.0	7,336.0	12,357.2	7,729.0	79.4	79.6	-121.49	4,109.2	1,249.6	751.3	613.7	137.59	5.461		
12,100.0	7,336.0	12,460.0	7,729.9	81.0	81.3	-121.57	4,212.1	1,251.2	751.4	610.7	140.66	5.342		
12,121.2	7,336.0	12,481.5	7,730.1	81.3	81.6	-121.59	4,233.5	1,251.6	751.3	610.0	141.30	5.317		
12,200.0	7,336.0	12,561.9	7,730.3	82.6	83.0	-121.62	4,314.0	1,252.8	751.2	607.4	143.74	5.226		
12,221.4	7,336.0	12,584.5	7,730.3	83.0	83.4	-121.62	4,336.5	1,253.2	751.1	606.6	144.45	5.199		
12,300.0	7,336.0	12,664.4	7,730.2	84.2	84.7	-121.64	4,416.4	1,254.7	750.5	603.6	146.88	5.110		
12,321.5	7,336.0	12,685.3	7,730.2	84.6	85.0	-121.65	4,437.3	1,255.0	750.3	602.9	147.47	5.088		
12,400.0	7,336.0	12,760.5	7,729.9	85.9	86.3	-121.64	4,512.5	1,256.1	750.0	600.3	149.63	5.012		
12,427.0	7,336.0	12,786.0	7,729.8	86.3	86.8	-121.63	4,538.0	1,256.3	749.9	599.6	150.37	4.987		
12,500.0	7,336.0	12,858.1	7,729.3	87.5	88.0	-121.58	4,610.1	1,256.7	750.0	597.4	152.60	4.915		
12,521.1	7,336.0	12,879.4	7,729.1	87.9	88.4	-121.56	4,631.4	1,256.7	750.1	596.8	153.29	4.893		
12,600.0	7,336.0	12,961.3	7,728.5	89.2	89.8	-121.51	4,713.3	1,257.3	750.0	594.0	155.96	4.809		
12,621.3	7,336.0	12,983.7	7,728.7	89.5	90.2	-121.53	4,735.6	1,257.8	749.9	593.3	156.66	4.787		
12,700.0	7,336.0	13,061.6	7,729.7	90.8	91.5	-121.64	4,813.6	1,259.6	749.6	590.8	158.84	4.719		
12,721.4	7,336.0	13,083.4	7,730.0	91.2	91.8	-121.67	4,835.3	1,260.1	749.5	590.1	159.47	4.700		
12,800.0	7,336.0	13,175.6	7,729.3	92.5	93.4	-121.66	4,927.5	1,262.1	748.5	585.7	162.80	4.598		
12,822.3	7,336.0	13,197.7	7,728.8	92.9	93.8	-121.64	4,949.6	1,262.5	748.0	584.5	163.49	4.575		
12,900.0	7,336.0	13,276.9	7,726.8	94.2	95.1	-121.55	5,028.7	1,264.3	746.2	580.2	166.07	4.493		
12,922.5	7,336.0	13,299.2	7,726.2	94.6	95.5	-121.52	5,051.0	1,264.8	745.7	578.9	166.78	4.471		
13,000.0	7,336.0	13,370.6	7,724.0	95.9	96.7	-121.39	5,122.4	1,266.0	744.0	575.1	168.91	4.405		
13,058.6	7,336.0	13,417.8	7,722.7	96.9	97.5	-121.29	5,169.5	1,266.2	743.6	573.5	170.04	4.373		
13,100.0	7,336.0	13,453.6	7,721.8	97.6	98.2	-121.21	5,205.3	1,265.8	743.7	572.7	171.02	4.349		
13,100.2	7,336.0	13,453.7	7,721.8	97.6	98.2	-121.21	5,205.5	1,265.8	743.8	572.7	171.03	4.349		
13,200.0	7,336.0	13,548.6	7,719.5	99.3	99.8	-120.95	5,300.3	1,264.2	744.8	570.7	174.12	4.278		
13,200.0	7,336.0	13,548.6	7,719.5	99.3	99.8	-120.95	5,300.3	1,264.2	744.8	570.7	174.12	4.278		
13,300.0	7,336.0	13,640.8	7,717.0	101.0	101.5	-120.65	5,392.5	1,261.8	746.6	569.6	177.07	4.217		
13,304.1	7,336.0	13,644.3	7,716.9	101.1	101.5	-120.64	5,396.0	1,261.7	746.8	569.6	177.16	4.215		
13,400.0	7,336.0	13,728.6	7,716.4	102.8	103.0	-120.46	5,480.2	1,258.8	750.1	570.6	179.48	4.179		
13,403.3	7,336.0	13,731.8	7,716.4	102.8	103.0	-120.45	5,483.4	1,258.7	750.2	570.6	179.59	4.177		
13,500.0	7,336.0	13,839.9	7,715.5	104.5	104.9	-120.18	5,591.4	1,254.5	754.1	570.2	183.90	4.100		
13,500.0	7,336.0	13,839.9	7,715.5	104.5	104.9	-120.18	5,591.4	1,254.5	754.1	570.2	183.90	4.100		
13,600.0	7,336.0	13,941.9	7,715.7	106.3	106.7	-120.13	5,693.5	1,253.7	755.8	568.5	187.28	4.036		
13,604.1	7,336.0	13,945.4	7,715.7	106.3	106.7	-120.12	5,697.0	1,253.6	755.9	568.5	187.36	4.034		
13,700.0	7,336.0	14,062.4	7,715.5	108.0	108.7	-120.02	5,813.9	1,252.4	757.6	565.5	192.08	3.944		
13,721.8	7,336.0	14,088.5	7,715.1	108.4	109.2	-119.99	5,840.0	1,252.7	757.5	564.4	193.11	3.923		
13,800.0	7,336.0	14,175.8	7,712.5	109.8	110.6	-119.83	5,927.3	1,254.0	756.0	559.6	196.39	3.850		
13,822.3	7,336.0	14,196.5	7,711.8	110.2	111.0	-119.79	5,948.0	1,254.2	755.6	558.5	197.06	3.834		
13,900.0	7,336.0	14,270.3	7,709.2	111.5	112.3	-119.61	6,021.7	1,254.9	754.3	554.8	199.51	3.781		
13,922.0	7,336.0	14,291.8	7,708.4	111.9	112.7	-119.55	6,043.2	1,255.0	754.0	553.7	200.27	3.765		
14,000.0	7,336.0	14,370.6	7,705.4	113.3	114.1	-119.34	6,121.9	1,255.4	753.0	549.9	203.12	3.707		
14,022.1	7,336.0	14,393.6	7,704.8	113.7	114.5	-119.30	6,144.9	1,255.7	752.7	548.7	203.95	3.690		
14,100.0	7,336.0	14,467.2	7,703.4	115.1	115.7	-119.22	6,218.4	1,256.9	751.5	545.3	206.23	3.644		
14,151.2	7,336.0	14,511.0	7,702.7	116.0	116.5	-119.17	6,262.3	1,257.3	751.2	543.8	207.41	3.622		
14,200.0	7,336.0	14,550.1	7,702.3	116.8	117.2	-119.13	6,301.4	1,257.2	751.5	543.2	208.32	3.607		
14,200.0	7,336.0	14,550.1	7,702.3	116.8	117.2	-119.13	6,301.4	1,257.2	751.5	543.2	208.32	3.607		
14,300.0	7,336.0	14,632.2	7,702.6	118.6	118.6	-119.06	6,383.5	1,255.7	754.2	544.0	210.22	3.588		
14,303.4	7,336.0	14,635.4	7,702.7	118.7	118.7	-119.06	6,386.6	1,255.6	754.3	544.0	210.32	3.587		
14,400.0	7,336.0	14,734.3	7,703.5	120.4	120.4	-118.97	6,485.5	1,252.7	758.1	544.4	213.75	3.547		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
14,404.0	7,336.0	14,738.9	7,703.5	120.5	120.5	-118.97	6,490.1	1,252.6	758.2	544.3	213.94	3.544		
14,500.0	7,336.0	14,840.3	7,702.8	122.2	122.3	-118.79	6,591.4	1,250.2	760.8	543.1	217.75	3.494		
14,504.1	7,336.0	14,844.4	7,702.7	122.3	122.3	-118.78	6,595.5	1,250.1	760.9	543.0	217.89	3.492		
14,600.0	7,336.0	14,928.4	7,701.8	124.0	123.8	-118.59	6,679.5	1,247.4	764.0	543.6	220.36	3.467		
14,603.1	7,336.0	14,931.0	7,701.8	124.1	123.9	-118.59	6,682.1	1,247.3	764.1	543.7	220.43	3.466		
14,700.0	7,336.0	15,032.0	7,701.1	125.8	125.7	-118.35	6,783.0	1,243.0	768.3	544.1	224.29	3.426		
14,720.4	7,336.0	15,064.5	7,701.0	126.2	126.2	-118.30	6,815.5	1,242.2	769.0	543.1	225.96	3.403		
14,800.0	7,336.0	15,193.5	7,701.4	127.6	128.3	-118.44	6,944.4	1,246.7	766.9	535.3	231.57	3.312		
14,823.8	7,336.0	15,220.8	7,701.4	128.0	128.8	-118.49	6,971.6	1,248.5	765.8	533.4	232.43	3.295		
14,900.0	7,336.0	15,282.5	7,701.4	129.4	129.9	-118.59	7,033.2	1,251.9	762.8	529.0	233.84	3.262		
14,922.5	7,336.0	15,300.3	7,701.4	129.8	130.2	-118.61	7,051.0	1,252.6	762.2	528.0	234.23	3.254		
15,000.0	7,336.0	15,377.7	7,701.0	131.2	131.5	-118.64	7,128.4	1,255.0	760.7	524.0	236.68	3.214		
15,022.5	7,336.0	15,401.6	7,700.7	131.6	131.9	-118.64	7,152.3	1,255.8	760.1	522.7	237.49	3.201		
15,100.0	7,336.0	15,472.1	7,700.6	133.0	133.2	-118.69	7,222.8	1,258.1	758.6	519.1	239.43	3.168		
15,121.9	7,336.0	15,494.0	7,700.8	133.4	133.5	-118.72	7,244.6	1,258.8	758.3	518.2	240.07	3.158		
15,200.0	7,336.0	15,571.9	7,701.6	134.8	134.9	-118.83	7,322.4	1,261.2	757.2	514.8	242.39	3.124		
15,222.0	7,336.0	15,594.2	7,701.6	135.2	135.3	-118.85	7,344.8	1,261.9	756.9	513.8	243.09	3.114		
15,300.0	7,336.0	15,672.2	7,701.8	136.7	136.7	-118.91	7,422.7	1,264.2	755.7	510.2	245.51	3.078		
15,322.1	7,336.0	15,695.5	7,701.8	137.1	137.1	-118.93	7,446.0	1,264.9	755.3	509.0	246.27	3.067		
15,400.0	7,336.0	15,775.5	7,701.6	138.5	138.5	-118.98	7,526.0	1,267.4	753.8	504.9	248.84	3.029		
15,422.1	7,336.0	15,795.1	7,701.5	138.9	138.8	-118.98	7,545.6	1,267.9	753.4	504.0	249.39	3.021		
15,500.0	7,336.0	15,864.7	7,701.0	140.3	140.0	-118.97	7,615.1	1,269.2	752.5	501.2	251.36	2.994		
15,546.3	7,336.0	15,906.9	7,700.7	141.1	140.8	-118.95	7,657.3	1,269.7	752.4	499.8	252.60	2.979		
15,600.0	7,336.0	15,953.9	7,700.6	142.1	141.6	-118.94	7,704.3	1,270.0	752.6	498.7	253.88	2.964		
15,600.0	7,336.0	15,953.9	7,700.6	142.1	141.6	-118.94	7,704.3	1,270.0	752.6	498.7	253.88	2.964		
15,700.0	7,336.0	16,032.7	7,701.1	144.0	143.0	-118.90	7,783.1	1,269.0	754.9	499.4	255.50	2.955		
15,703.8	7,336.0	16,037.1	7,701.2	144.0	143.1	-118.90	7,787.6	1,268.9	755.1	499.4	255.68	2.953		
15,800.0	7,336.0	16,143.1	7,701.5	145.8	145.0	-118.81	7,893.6	1,266.9	757.6	497.8	259.79	2.916		
15,804.1	7,336.0	16,146.9	7,701.5	145.9	145.0	-118.80	7,897.3	1,266.9	757.7	497.8	259.90	2.915		
15,900.0	7,336.0	16,239.8	7,701.2	147.6	146.7	-118.67	7,990.2	1,264.7	760.4	497.4	263.04	2.891		
15,904.2	7,336.0	16,244.5	7,701.2	147.7	146.7	-118.66	7,994.9	1,264.6	760.5	497.3	263.23	2.889		
16,000.0	7,336.0	16,340.7	7,702.6	149.4	148.4	-118.70	8,091.0	1,263.9	762.7	496.4	266.30	2.864		
16,003.8	7,336.0	16,344.0	7,702.7	149.5	148.5	-118.70	8,094.3	1,263.9	762.8	496.4	266.38	2.864		
16,100.0	7,336.0	16,454.2	7,705.0	151.3	150.4	-118.78	8,204.5	1,263.1	765.4	495.0	270.41	2.830		
16,100.4	7,336.0	16,454.7	7,705.0	151.3	150.4	-118.78	8,205.1	1,263.1	765.4	494.9	270.43	2.830		
16,200.0	7,336.0	16,557.5	7,705.2	153.1	152.2	-118.79	8,307.8	1,264.1	765.6	491.7	273.86	2.795		
16,200.4	7,336.0	16,557.8	7,705.2	153.1	152.2	-118.79	8,308.2	1,264.1	765.6	491.7	273.87	2.795		
16,300.0	7,336.0	16,662.3	7,705.6	155.0	154.0	-118.82	8,412.6	1,265.2	765.7	488.4	277.36	2.761		
16,321.3	7,336.0	16,683.5	7,705.6	155.4	154.3	-118.82	8,433.8	1,265.5	765.7	487.6	278.05	2.754		
16,400.0	7,336.0	16,761.5	7,704.5	156.8	155.7	-118.73	8,511.9	1,265.9	765.6	484.8	280.74	2.727		
16,424.9	7,336.0	16,785.7	7,704.1	157.3	156.1	-118.70	8,536.0	1,265.9	765.5	484.0	281.58	2.719		
16,500.0	7,336.0	16,860.0	7,702.8	158.6	157.5	-118.58	8,610.4	1,265.9	765.6	481.4	284.23	2.694		
16,571.7	7,336.0	16,933.0	7,701.4	160.0	158.7	-118.46	8,683.2	1,265.9	765.6	478.7	286.88	2.669		
16,600.0	7,336.0	16,959.2	7,700.9	160.5	159.2	-118.42	8,709.4	1,265.9	765.6	477.9	287.75	2.661		
16,600.4	7,336.0	16,959.5	7,700.9	160.5	159.2	-118.42	8,709.8	1,265.9	765.6	477.9	287.76	2.661		
16,700.0	7,336.0	17,052.3	7,698.9	162.3	160.8	-118.22	8,802.5	1,265.1	766.3	475.4	290.93	2.634		
16,700.0	7,336.0	17,052.3	7,698.9	162.3	160.8	-118.22	8,802.6	1,265.1	766.3	475.4	290.93	2.634		
16,800.0	7,336.0	17,153.3	7,697.4	164.2	162.6	-118.04	8,903.5	1,263.9	767.6	473.0	294.66	2.605		
16,800.1	7,336.0	17,153.4	7,697.4	164.2	162.6	-118.04	8,903.7	1,263.9	767.6	473.0	294.66	2.605		
16,900.0	7,336.0	17,263.0	7,697.8	166.0	164.5	-118.06	9,013.2	1,264.8	768.0	469.5	298.55	2.572		
16,960.0	7,336.0	17,321.0	7,697.9	167.2	165.5	-118.08	9,071.2	1,265.7	767.8	467.5	300.32	2.557		
17,000.0	7,336.0	17,357.6	7,698.0	167.9	166.1	-118.09	9,107.8	1,266.0	767.9	466.5	301.38	2.548		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1CDH (Existing) - Brighton Lakes 20-17												Offset Well Error:	0.0 ft
Survey Program: 135-MWD													
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	
17,000.4	7,336.0	17,357.9	7,698.0	167.9	166.2	-118.09	9,108.1	1,266.0	767.9	466.5	301.39	2.548	
17,100.0	7,336.0	17,465.0	7,697.7	169.7	168.1	-118.05	9,215.2	1,266.9	768.0	462.7	305.27	2.516	
17,121.4	7,336.0	17,487.1	7,697.5	170.1	168.4	-118.05	9,237.3	1,267.2	767.9	461.9	306.02	2.509	
17,200.0	7,336.0	17,572.3	7,698.0	171.6	169.9	-118.11	9,322.5	1,269.2	767.2	458.4	308.86	2.484	
17,222.5	7,336.0	17,600.7	7,698.1	172.0	170.4	-118.15	9,350.8	1,270.1	766.8	456.9	309.89	2.474	
17,300.0	7,336.0	17,677.4	7,697.9	173.5	171.7	-118.21	9,427.5	1,273.2	764.7	452.5	312.21	2.449	
17,322.1	7,336.0	17,695.5	7,697.9	173.9	172.0	-118.23	9,445.6	1,273.8	764.3	451.6	312.64	2.445	
17,400.0	7,336.0	17,759.2	7,698.2	175.3	173.2	-118.26	9,509.3	1,275.1	763.7	449.6	314.14	2.431	
17,400.2	7,336.0	17,759.3	7,698.2	175.3	173.2	-118.26	9,509.4	1,275.1	763.7	449.6	314.15	2.431	
17,500.0	7,336.0	17,844.5	7,699.1	177.2	174.7	-118.30	9,594.6	1,275.2	765.1	448.8	316.24	2.419	
17,504.1	7,336.0	17,848.4	7,699.2	177.2	174.7	-118.30	9,598.5	1,275.2	765.2	448.8	316.35	2.419	
17,597.1	7,336.0	17,937.0	7,700.8	179.0	176.3	-118.35	9,687.1	1,274.4	767.6	448.6	318.96	2.406 SF	

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We												Offset Site Error:	0.0 ft
Survey Program: 134-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
9,283.0	7,297.0	9,283.0	7,296.7	0.0	0.0	44.39	1,390.4	1,920.1	0.5	0.5	0.00	N/A	
9,300.0	7,296.7	9,300.0	7,296.6	0.4	0.3	55.83	1,407.4	1,920.3	0.2	-0.2	0.41	0.457 Level 1	
9,317.3	7,297.0	9,317.3	7,296.5	0.5	0.5	55.84	1,424.6	1,920.7	0.8	0.3	0.47	1.617	
9,400.0	7,300.4	9,399.5	7,295.5	1.4	1.8	56.09	1,506.8	1,924.1	8.7	6.3	2.37	3.673	
9,500.0	7,306.8	9,498.8	7,294.9	2.5	3.2	59.45	1,606.0	1,928.8	23.4	18.8	4.61	5.076	
9,600.0	7,313.1	9,598.9	7,294.6	3.7	4.7	58.46	1,706.1	1,930.0	35.2	28.5	6.71	5.257 CC	
9,700.0	7,319.4	9,698.8	7,295.0	4.9	6.2	57.68	1,806.0	1,929.7	45.4	36.5	8.89	5.109	
9,800.0	7,325.7	9,798.0	7,295.3	6.1	7.8	56.73	1,905.2	1,928.8	55.3	44.1	11.20	4.938	
9,900.0	7,331.5	9,896.8	7,294.2	7.4	9.4	55.14	2,004.0	1,928.3	65.1	51.6	13.52	4.816	
9,921.6	7,332.4	9,918.5	7,293.7	7.7	9.8	54.72	2,025.7	1,928.2	66.8	52.9	13.99	4.778	
10,000.0	7,334.9	9,998.9	7,293.3	8.7	11.0	53.59	2,106.1	1,927.0	70.0	54.5	15.52	4.511	
10,100.0	7,336.0	10,098.6	7,293.5	10.1	12.7	51.94	2,205.7	1,924.3	68.9	51.3	17.70	3.896	
10,129.8	7,336.0	10,128.3	7,293.3	10.5	13.2	51.21	2,235.4	1,923.5	68.1	49.8	18.31	3.720	
10,200.0	7,336.0	10,198.9	7,292.8	11.5	14.4	49.17	2,306.0	1,921.1	66.1	46.5	19.56	3.380	
10,230.0	7,336.0	10,229.4	7,292.9	11.9	14.9	48.39	2,336.4	1,920.0	65.0	45.0	20.03	3.246	
10,300.0	7,336.0	10,300.1	7,294.1	12.9	16.0	47.01	2,407.1	1,917.2	61.6	40.4	21.21	2.903	
10,330.9	7,336.0	10,331.1	7,294.7	13.4	16.5	46.37	2,438.0	1,915.8	59.9	38.2	21.73	2.757	
10,400.0	7,336.0	10,399.3	7,296.0	14.4	17.6	44.80	2,506.1	1,913.0	56.4	33.5	22.97	2.457	
10,430.6	7,336.0	10,429.2	7,296.3	14.9	18.1	44.21	2,536.1	1,912.2	55.4	31.8	23.57	2.349	
10,500.0	7,336.0	10,498.2	7,296.6	15.9	19.2	42.98	2,605.0	1,911.0	53.8	29.0	24.82	2.168	
10,529.6	7,336.0	10,527.7	7,296.7	16.4	19.7	42.34	2,634.6	1,910.5	53.2	27.9	25.28	2.105	
10,600.0	7,336.0	10,598.0	7,296.6	17.4	20.9	40.65	2,704.8	1,909.2	52.0	25.7	26.26	1.979	
10,629.5	7,336.0	10,627.4	7,296.5	17.9	21.4	39.94	2,734.2	1,908.7	51.5	24.9	26.64	1.933	
10,700.0	7,336.0	10,697.8	7,296.3	19.0	22.6	38.14	2,804.6	1,907.6	50.5	23.1	27.44	1.841	
10,729.3	7,336.0	10,727.1	7,296.1	19.5	23.1	37.34	2,833.9	1,907.2	50.2	22.5	27.71	1.810	
10,800.0	7,336.0	10,797.9	7,295.8	20.6	24.3	35.17	2,904.7	1,905.8	49.2	21.0	28.14	1.748	
10,829.3	7,336.0	10,827.1	7,295.7	21.0	24.8	34.18	2,933.9	1,905.2	48.8	20.5	28.26	1.725	
10,900.0	7,336.0	10,897.6	7,295.1	22.2	26.0	31.51	3,004.3	1,903.7	48.0	19.7	28.33	1.695	
10,929.0	7,336.0	10,926.4	7,294.8	22.6	26.5	30.59	3,033.1	1,903.2	47.9	19.5	28.42	1.685	
11,000.0	7,336.0	10,997.3	7,294.6	23.8	27.7	30.06	3,104.1	1,903.6	47.9	18.4	29.49	1.624	
11,029.0	7,336.0	11,026.8	7,294.8	24.2	28.1	30.32	3,133.5	1,904.0	47.7	17.6	30.10	1.585	
11,100.0	7,336.0	11,098.3	7,296.5	25.4	29.2	31.49	3,205.0	1,904.9	46.4	14.3	32.08	1.446 Level 3	
11,130.2	7,336.0	11,128.3	7,297.2	25.9	29.7	32.05	3,235.0	1,905.3	45.8	12.7	33.07	1.385 Level 3	
11,200.0	7,336.0	11,198.0	7,298.6	27.0	30.9	33.28	3,304.7	1,906.3	44.7	9.4	35.30	1.267 Level 3	
11,229.9	7,336.0	11,228.0	7,299.2	27.5	31.4	33.76	3,334.7	1,906.7	44.2	8.0	36.22	1.221 Level 2	
11,300.0	7,336.0	11,298.1	7,300.8	28.7	32.6	34.73	3,404.8	1,907.3	42.9	4.5	38.37	1.118 Level 2	
11,330.1	7,336.0	11,328.2	7,301.4	29.2	33.1	35.07	3,434.9	1,907.5	42.3	3.1	39.26	1.078 Level 2	
11,400.0	7,336.0	11,398.1	7,302.7	30.4	34.4	35.66	3,504.7	1,907.8	41.0	-0.2	41.25	0.995 Level 1	
11,429.9	7,336.0	11,428.0	7,303.2	30.9	34.9	35.82	3,534.7	1,907.9	40.5	-1.5	42.05	0.963 Level 1	
11,500.0	7,336.0	11,498.1	7,304.3	32.0	36.2	36.07	3,604.8	1,908.0	39.2	-4.6	43.78	0.895 Level 1	
11,529.9	7,336.0	11,528.0	7,304.8	32.6	36.7	36.15	3,634.7	1,908.0	38.6	-5.9	44.52	0.867 Level 1	
11,600.0	7,336.0	11,597.6	7,305.6	33.7	37.8	36.39	3,704.2	1,908.4	37.8	-8.7	46.45	0.813 Level 1	
11,629.5	7,336.0	11,627.0	7,305.7	34.2	38.4	36.53	3,733.6	1,908.8	37.7	-9.6	47.26	0.797 Level 1	
11,700.0	7,336.0	11,697.4	7,305.9	35.5	39.6	36.61	3,804.1	1,909.5	37.5	-11.4	48.95	0.767 Level 1	
11,729.3	7,336.0	11,726.8	7,305.8	36.0	40.1	36.48	3,833.4	1,909.7	37.5	-12.0	49.53	0.757 Level 1	
11,800.0	7,336.0	11,797.4	7,305.5	37.2	41.4	35.47	3,904.0	1,909.9	37.4	-12.9	50.29	0.744 Level 1	
11,829.1	7,336.0	11,826.5	7,305.3	37.7	41.9	34.88	3,933.1	1,909.9	37.4	-13.0	50.44	0.742 Level 1	
11,833.5	7,336.0	11,830.9	7,305.3	37.7	42.0	34.79	3,937.5	1,909.8	37.4	-13.0	50.46	0.742 Level 1	
11,900.0	7,336.0	11,897.4	7,304.7	38.9	43.2	33.36	4,004.0	1,909.8	37.5	-13.2	50.65	0.740 Level 1, ES, SF	
12,000.0	7,336.0	11,997.6	7,303.6	40.6	45.0	30.01	4,104.2	1,909.0	37.4	-12.1	49.50	0.757 Level 1	
12,028.9	7,336.0	12,026.6	7,303.3	41.1	45.5	28.66	4,133.2	1,908.5	37.3	-11.4	48.69	0.765 Level 1	
12,093.2	7,336.0	12,090.7	7,302.8	42.3	46.6	25.32	4,197.3	1,907.0	36.7	-9.9	46.65	0.787 Level 1	

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

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We													Offset Site Error: 0.0 ft	
Survey Program: 134-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)			
12,100.0	7,336.0	12,097.4	7,302.7	42.4	46.7	25.04	4,203.9	1,906.9	36.7	-9.8	46.51	0.790 Level 1		
12,122.1	7,336.0	12,119.2	7,302.4	42.8	47.1	24.22	4,225.8	1,906.7	36.9	-9.3	46.16	0.799 Level 1		
12,200.0	7,336.0	12,196.6	7,300.5	44.1	48.5	22.24	4,303.1	1,906.9	38.4	-7.3	45.64	0.841 Level 1		
12,222.8	7,336.0	12,219.3	7,299.8	44.5	48.9	21.58	4,325.8	1,907.0	38.9	-6.4	45.37	0.859 Level 1		
12,300.0	7,336.0	12,297.1	7,297.8	45.9	50.2	19.62	4,403.6	1,907.1	40.5	-4.0	44.47	0.911 Level 1		
12,400.0	7,336.0	12,397.7	7,297.4	47.6	51.9	17.88	4,504.2	1,907.0	40.6	-3.5	44.12	0.920 Level 1		
12,429.3	7,336.0	12,427.2	7,297.3	48.2	52.4	16.83	4,533.7	1,906.6	40.4	-3.0	43.48	0.930 Level 1		
12,500.0	7,336.0	12,497.9	7,297.1	49.4	53.6	13.23	4,604.3	1,904.8	40.0	-1.0	40.96	0.976 Level 1		
12,529.0	7,336.0	12,526.8	7,297.0	49.9	54.1	11.47	4,633.2	1,903.8	39.8	0.1	39.78	1.001 Level 2		
12,595.2	7,336.0	12,592.9	7,296.7	51.1	55.3	8.29	4,699.3	1,902.3	39.7	1.6	38.14	1.041 Level 2		
12,600.0	7,336.0	12,597.7	7,296.7	51.2	55.3	8.10	4,704.1	1,902.3	39.7	1.6	38.07	1.043 Level 2		
12,700.0	7,336.0	12,697.4	7,295.9	53.0	57.1	3.51	4,803.8	1,900.2	40.2	3.4	36.83	1.092 Level 2		
12,800.0	7,336.0	12,797.6	7,295.2	54.8	58.8	1.97	4,904.0	1,900.2	40.9	3.2	37.63	1.086 Level 2		
12,900.0	7,336.0	12,897.8	7,295.3	56.6	60.5	0.81	5,004.2	1,900.4	40.7	2.0	38.72	1.052 Level 2		
13,000.0	7,336.0	12,997.4	7,295.0	58.3	62.2	-0.56	5,103.8	1,900.5	41.0	1.1	39.93	1.027 Level 2		
13,100.0	7,336.0	13,097.3	7,293.7	60.1	64.0	-1.38	5,203.7	1,901.0	42.4	1.1	41.28	1.026 Level 2		
13,200.0	7,336.0	13,128.0	7,293.4	62.0	64.5	-2.07	5,234.4	1,900.8	81.8	62.2	19.59	4.174		
13,300.0	7,336.0	13,128.0	7,293.4	63.8	64.5	-2.07	5,234.4	1,900.8	175.1	167.9	7.19	24.356		
13,400.0	7,336.0	13,128.0	7,293.4	65.6	64.5	-2.07	5,234.4	1,900.8	273.1	268.6	4.55	60.038		
13,500.0	7,336.0	13,128.0	7,293.4	67.4	64.5	-2.07	5,234.4	1,900.8	372.2	366.7	5.54	67.184		
13,600.0	7,336.0	13,128.0	7,293.4	69.2	64.5	-2.07	5,234.4	1,900.8	471.7	465.5	6.25	75.419		
13,700.0	7,336.0	13,128.0	7,293.4	71.0	64.5	-2.07	5,234.4	1,900.8	571.4	564.8	6.57	86.910		
13,800.0	7,336.0	13,128.0	7,293.4	72.9	64.5	-2.07	5,234.4	1,900.8	671.1	664.4	6.75	99.370		
13,900.0	7,336.0	13,128.0	7,293.4	74.7	64.5	-2.07	5,234.4	1,900.8	771.0	764.1	6.87	112.221		
14,000.0	7,336.0	13,128.0	7,293.4	76.5	64.5	-2.07	5,234.4	1,900.8	870.8	863.9	6.95	125.237		
14,100.0	7,336.0	13,128.0	7,293.4	78.4	64.5	-2.07	5,234.4	1,900.8	970.7	963.7	7.02	138.310		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We												Offset Site Error:	0.0 ft
Survey Program:												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
9,211.1	7,296.7	9,211.1	7,296.7	45.6	45.5	44.39	1,318.5	1,918.9	0.0	-63.2	63.24	0.000	Level 1, CC, SF
9,300.0	7,296.7	9,300.0	7,296.6	47.7	46.3	55.83	1,407.4	1,920.3	0.2	-69.2	69.34	0.003	Level 1
9,317.3	7,297.0	9,317.3	7,296.5	47.8	46.5	55.84	1,424.6	1,920.7	0.8	-69.2	69.95	0.011	Level 1
9,400.0	7,300.4	9,399.5	7,295.5	48.4	47.4	56.09	1,506.8	1,924.1	8.7	-63.7	72.39	0.120	Level 1
9,500.0	7,306.8	9,498.8	7,294.9	49.0	48.4	59.45	1,606.0	1,928.8	23.4	-51.2	74.59	0.314	Level 1
9,600.0	7,313.1	9,598.9	7,294.6	49.7	49.5	58.46	1,706.1	1,930.0	35.2	-39.9	75.12	0.469	Level 1
9,700.0	7,319.4	9,698.8	7,295.0	50.4	50.6	57.68	1,806.0	1,929.7	45.4	-31.2	76.59	0.593	Level 1
9,800.0	7,325.7	9,798.0	7,295.3	51.2	51.7	56.73	1,905.2	1,928.8	55.3	-23.4	78.70	0.703	Level 1
9,900.0	7,331.5	9,896.8	7,294.2	52.0	52.9	55.14	2,004.0	1,928.3	65.1	-15.7	80.85	0.805	Level 1
9,921.6	7,332.4	9,918.5	7,293.7	52.2	53.2	54.72	2,025.7	1,928.2	66.8	-14.3	81.10	0.824	Level 1
10,000.0	7,334.9	9,998.9	7,293.3	52.9	54.2	53.59	2,106.1	1,927.0	70.0	-11.0	81.02	0.864	Level 1
10,100.0	7,336.0	10,098.6	7,293.5	53.9	55.4	51.94	2,205.7	1,924.3	68.9	-13.8	82.70	0.834	Level 1
10,129.8	7,336.0	10,128.3	7,293.3	54.2	55.8	51.21	2,235.4	1,923.5	68.1	-14.9	83.01	0.821	Level 1
10,200.0	7,336.0	10,198.9	7,292.8	55.0	56.8	49.17	2,306.0	1,921.1	66.1	-17.1	83.22	0.794	Level 1
10,230.0	7,336.0	10,229.4	7,292.9	55.3	57.2	48.39	2,336.4	1,920.0	65.0	-18.0	83.05	0.783	Level 1
10,300.0	7,336.0	10,300.1	7,294.1	56.0	58.1	47.01	2,407.1	1,917.2	61.6	-21.6	83.15	0.740	Level 1
10,330.9	7,336.0	10,331.1	7,294.7	56.4	58.5	46.37	2,438.0	1,915.8	59.9	-23.4	83.32	0.719	Level 1
10,400.0	7,336.0	10,399.3	7,296.0	57.1	59.4	44.80	2,506.1	1,913.0	56.4	-27.9	84.30	0.669	Level 1
10,430.6	7,336.0	10,429.2	7,296.3	57.5	59.8	44.21	2,536.1	1,912.2	55.4	-29.6	84.99	0.652	Level 1
10,500.0	7,336.0	10,498.2	7,296.6	58.3	60.7	42.98	2,605.0	1,911.0	53.8	-32.0	85.85	0.627	Level 1
10,529.6	7,336.0	10,527.7	7,296.7	58.7	61.1	42.34	2,634.6	1,910.5	53.2	-32.8	86.01	0.619	Level 1
10,600.0	7,336.0	10,598.0	7,296.6	59.5	62.1	40.65	2,704.8	1,909.2	52.0	-34.2	86.18	0.603	Level 1
10,629.5	7,336.0	10,627.4	7,296.5	59.9	62.6	39.94	2,734.2	1,908.7	51.5	-34.7	86.22	0.597	Level 1
10,700.0	7,336.0	10,697.8	7,296.3	60.7	63.6	38.14	2,804.6	1,907.6	50.5	-35.6	86.11	0.587	Level 1
10,729.3	7,336.0	10,727.1	7,296.1	61.1	64.0	37.34	2,833.9	1,907.2	50.2	-35.8	85.94	0.584	Level 1
10,800.0	7,336.0	10,797.9	7,295.8	62.0	65.0	35.17	2,904.7	1,905.8	49.2	-35.9	85.07	0.578	Level 1
10,829.3	7,336.0	10,827.1	7,295.7	62.4	65.5	34.18	2,933.9	1,905.2	48.8	-35.9	84.68	0.576	Level 1
10,900.0	7,336.0	10,897.6	7,295.1	63.3	66.5	31.51	3,004.3	1,903.7	48.0	-35.4	83.43	0.576	Level 1
10,929.0	7,336.0	10,926.4	7,294.8	63.7	66.9	30.59	3,033.1	1,903.2	47.9	-35.2	83.08	0.576	Level 1
11,000.0	7,336.0	10,997.3	7,294.6	64.6	68.0	30.06	3,104.1	1,903.6	47.9	-36.0	83.84	0.571	Level 1
11,029.0	7,336.0	11,026.8	7,294.8	65.0	68.4	30.32	3,133.5	1,904.0	47.7	-36.6	84.31	0.566	Level 1
11,100.0	7,336.0	11,098.3	7,296.5	66.0	69.4	31.49	3,205.0	1,904.9	46.4	-40.1	86.53	0.536	Level 1
11,130.2	7,336.0	11,128.3	7,297.2	66.4	69.8	32.05	3,235.0	1,905.3	45.8	-42.1	87.88	0.521	Level 1
11,200.0	7,336.0	11,198.0	7,298.6	67.4	70.9	33.28	3,304.7	1,906.3	44.7	-46.0	90.73	0.493	Level 1
11,229.9	7,336.0	11,228.0	7,299.2	67.8	71.4	33.76	3,334.7	1,906.7	44.2	-47.6	91.81	0.482	Level 1
11,300.0	7,336.0	11,298.1	7,300.8	68.8	72.4	34.73	3,404.8	1,907.3	42.9	-51.5	94.36	0.455	Level 1
11,330.1	7,336.0	11,328.2	7,301.4	69.3	72.9	35.07	3,434.9	1,907.5	42.3	-53.1	95.40	0.444	Level 1
11,400.0	7,336.0	11,398.1	7,302.7	70.3	74.1	35.66	3,504.7	1,907.8	41.0	-56.6	97.64	0.420	Level 1
11,429.9	7,336.0	11,428.0	7,303.2	70.7	74.5	35.82	3,534.7	1,907.9	40.5	-58.0	98.50	0.411	Level 1
11,500.0	7,336.0	11,498.1	7,304.3	71.7	75.7	36.07	3,604.8	1,908.0	39.2	-61.0	100.22	0.391	Level 1
11,529.9	7,336.0	11,528.0	7,304.8	72.2	76.1	36.15	3,634.7	1,908.0	38.6	-62.4	100.99	0.382	Level 1
11,600.0	7,336.0	11,597.6	7,305.6	73.2	77.2	36.39	3,704.2	1,908.4	37.8	-65.7	103.42	0.365	Level 1
11,629.5	7,336.0	11,627.0	7,305.7	73.7	77.7	36.53	3,733.6	1,908.8	37.7	-66.7	104.35	0.361	Level 1
11,700.0	7,336.0	11,697.4	7,305.9	74.8	78.8	36.61	3,804.1	1,909.5	37.5	-68.5	106.03	0.354	Level 1
11,729.3	7,336.0	11,726.8	7,305.8	75.2	79.3	36.48	3,833.4	1,909.7	37.5	-69.0	106.53	0.352	Level 1
11,800.0	7,336.0	11,797.4	7,305.5	76.3	80.5	35.47	3,904.0	1,909.9	37.4	-69.3	106.72	0.351	Level 1, ES
11,829.1	7,336.0	11,826.5	7,305.3	76.7	81.0	34.88	3,933.1	1,909.9	37.4	-69.1	106.55	0.351	Level 1
11,833.5	7,336.0	11,830.9	7,305.3	76.8	81.1	34.79	3,937.5	1,909.8	37.4	-69.1	106.52	0.351	Level 1
11,900.0	7,336.0	11,897.4	7,304.7	77.8	82.2	33.36	4,004.0	1,909.8	37.5	-68.5	105.92	0.354	Level 1
12,000.0	7,336.0	11,997.6	7,303.6	79.4	83.8	30.01	4,104.2	1,909.0	37.4	-65.3	102.76	0.364	Level 1
12,028.9	7,336.0	12,026.6	7,303.3	79.9	84.3	28.66	4,133.2	1,908.5	37.3	-63.8	101.10	0.369	Level 1
12,093.2	7,336.0	12,090.7	7,302.8	80.9	85.3	25.32	4,197.3	1,907.0	36.7	-60.7	97.46	0.377	Level 1

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NAH - Brighton Lakes 20-17-1 NAH We													Offset Site Error:	0.0 ft
Survey Program:													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		
12,100.0	7,336.0	12,097.4	7,302.7	81.0	85.4	25.04	4,203.9	1,906.9	36.7	-60.5	97.22	0.378	Level 1	
12,122.1	7,336.0	12,119.2	7,302.4	81.4	85.8	24.22	4,225.8	1,906.7	36.9	-59.7	96.62	0.382	Level 1	
12,200.0	7,336.0	12,196.6	7,300.5	82.6	87.0	22.24	4,303.1	1,906.9	38.4	-56.9	95.32	0.403	Level 1	
12,222.8	7,336.0	12,219.3	7,299.8	83.0	87.4	21.58	4,325.8	1,907.0	38.9	-55.8	94.72	0.411	Level 1	
12,300.0	7,336.0	12,297.1	7,297.8	84.2	88.7	19.62	4,403.6	1,907.1	40.5	-51.9	92.42	0.438	Level 1	
12,400.0	7,336.0	12,397.7	7,297.4	85.9	90.2	17.88	4,504.2	1,907.0	40.6	-50.3	90.86	0.447	Level 1	
12,429.3	7,336.0	12,427.2	7,297.3	86.3	90.7	16.83	4,533.7	1,906.6	40.4	-49.2	89.68	0.451	Level 1	
12,500.0	7,336.0	12,497.9	7,297.1	87.5	91.9	13.23	4,604.3	1,904.8	40.0	-45.5	85.52	0.468	Level 1	
12,529.0	7,336.0	12,526.8	7,297.0	88.0	92.4	11.47	4,633.2	1,903.8	39.8	-43.8	83.62	0.476	Level 1	
12,595.2	7,336.0	12,592.9	7,296.7	89.1	93.4	8.29	4,699.3	1,902.3	39.7	-41.1	80.76	0.492	Level 1	
12,600.0	7,336.0	12,597.7	7,296.7	89.2	93.5	8.10	4,704.1	1,902.3	39.7	-40.9	80.62	0.492	Level 1	
12,700.0	7,336.0	12,697.4	7,295.9	90.8	95.1	3.51	4,803.8	1,900.2	40.2	-37.5	77.74	0.517	Level 1	
12,800.0	7,336.0	12,797.6	7,295.2	92.5	96.8	1.97	4,904.0	1,900.2	40.9	-37.1	77.95	0.524	Level 1	
12,900.0	7,336.0	12,897.8	7,295.3	94.2	98.4	0.81	5,004.2	1,900.4	40.7	-37.9	78.62	0.518	Level 1	
13,000.0	7,336.0	12,997.4	7,295.0	95.9	100.1	-0.56	5,103.8	1,900.5	41.0	-38.4	79.39	0.517	Level 1	
13,100.0	7,336.0	13,097.3	7,293.7	97.6	101.7	-1.38	5,203.7	1,901.0	42.4	-38.1	80.47	0.526	Level 1	
13,200.0	7,336.0	13,128.0	7,293.4	99.3	102.2	-2.07	5,234.4	1,900.8	81.8	2.0	79.82	1.025	Level 2	
13,300.0	7,336.0	13,128.0	7,293.4	101.0	102.2	-2.07	5,234.4	1,900.8	175.1	94.8	80.30	2.180		
13,400.0	7,336.0	13,128.0	7,293.4	102.8	102.2	-2.07	5,234.4	1,900.8	273.1	192.6	80.52	3.392		
13,500.0	7,336.0	13,128.0	7,293.4	104.5	102.2	-2.07	5,234.4	1,900.8	372.2	291.6	80.66	4.615		
13,600.0	7,336.0	13,128.0	7,293.4	106.3	102.2	-2.07	5,234.4	1,900.8	471.7	391.0	80.75	5.841		
13,700.0	7,336.0	13,128.0	7,293.4	108.0	102.2	-2.07	5,234.4	1,900.8	571.4	490.5	80.83	7.069		
13,800.0	7,336.0	13,128.0	7,293.4	109.8	102.2	-2.07	5,234.4	1,900.8	671.1	590.2	80.90	8.296		
13,900.0	7,336.0	13,128.0	7,293.4	111.5	102.2	-2.07	5,234.4	1,900.8	771.0	690.0	80.96	9.523		
14,000.0	7,336.0	13,128.0	7,293.4	113.3	102.2	-2.07	5,234.4	1,900.8	870.8	789.8	81.01	10.749		
14,100.0	7,336.0	13,128.0	7,293.4	115.1	102.2	-2.07	5,234.4	1,900.8	970.7	889.6	81.07	11.974		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-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	-92.24	-1.2	-30.8	30.9					
100.0	100.0	100.2	100.2	0.1	0.1	157.95	-1.2	-30.6	31.0	30.8	0.18	171.680		
200.0	200.0	200.4	200.4	0.3	0.3	145.72	-1.5	-29.7	31.1	30.6	0.54	57.147		
269.4	269.4	269.8	269.7	0.4	0.4	149.42	-2.1	-28.7	31.0	30.1	0.84	37.046		
300.0	300.0	300.3	300.3	0.5	0.5	151.13	-2.3	-28.4	31.0	30.0	0.96	32.222		
400.0	400.0	399.8	399.8	0.7	0.7	169.95	-2.9	-28.1	31.9	30.6	1.36	23.455		
500.0	500.0	499.9	499.9	0.9	0.9	-23.40	-3.4	-28.6	32.8	31.0	1.77	18.529		
600.0	600.0	599.8	599.8	1.1	1.1	-19.03	-4.1	-29.0	32.2	30.0	2.19	14.706		
700.0	700.0	699.9	699.8	1.3	1.3	-22.31	-4.8	-29.3	31.0	28.4	2.61	11.875		
800.0	799.9	799.9	799.9	1.5	1.5	-47.49	-5.3	-29.7	29.9	26.9	3.03	9.888		
853.9	853.8	853.8	853.8	1.6	1.6	-73.24	-4.8	-29.8	29.8	26.6	3.25	9.176 CC		
900.0	899.9	899.9	899.9	1.7	1.7	-146.72	-4.2	-30.0	30.2	26.7	3.44	8.765		
1,000.0	999.9	999.8	999.7	1.9	1.9	-145.90	-2.6	-30.5	30.9	27.0	3.86	7.991		
1,100.0	1,099.9	1,100.3	1,100.3	2.1	2.1	-134.20	-1.4	-30.4	31.2	26.9	4.28	7.274		
1,158.2	1,158.1	1,158.7	1,158.6	2.3	2.3	-154.25	-1.3	-29.6	31.0	26.5	4.53	6.846		
1,200.0	1,199.9	1,200.5	1,200.4	2.4	2.4	-160.05	-1.4	-29.0	31.0	26.3	4.70	6.591 ES		
1,300.0	1,299.8	1,300.4	1,300.3	2.6	2.6	168.26	-2.1	-27.5	33.2	28.1	5.13	6.481		
1,400.0	1,399.5	1,401.1	1,401.0	2.8	2.8	158.88	-3.2	-25.3	39.0	33.5	5.56	7.024		
1,500.0	1,498.6	1,503.4	1,503.1	3.0	3.0	159.24	-5.1	-18.4	45.0	39.1	5.98	7.529		
1,600.0	1,596.6	1,606.4	1,605.0	3.3	3.3	162.35	-9.3	-4.6	50.1	43.7	6.40	7.831		
1,700.0	1,693.3	1,709.0	1,705.4	3.7	3.6	164.32	-16.5	15.0	55.3	48.5	6.82	8.104		
1,800.0	1,788.4	1,810.4	1,803.7	4.2	3.9	165.46	-25.5	38.4	61.7	54.4	7.30	8.451		
1,900.0	1,882.7	1,910.8	1,900.5	4.7	4.3	166.83	-35.4	63.1	69.1	61.3	7.83	8.829		
2,000.0	1,976.8	2,010.8	1,996.7	5.2	4.7	165.79	-45.6	88.4	76.6	68.2	8.38	9.140		
2,100.0	2,071.0	2,109.6	2,091.8	5.8	5.2	164.38	-56.2	113.1	83.9	74.9	8.94	9.379		
2,200.0	2,165.4	2,208.7	2,187.2	6.3	5.6	164.01	-68.0	136.8	91.9	82.4	9.56	9.622		
2,300.0	2,259.8	2,307.9	2,283.1	6.9	6.0	163.23	-79.0	160.0	100.5	90.4	10.17	9.881		
2,400.0	2,354.5	2,407.7	2,379.4	7.5	6.5	161.46	-90.9	183.4	108.3	97.4	10.85	9.977		
2,500.0	2,449.0	2,506.9	2,475.2	8.1	6.9	158.15	-102.7	206.4	116.5	105.0	11.53	10.107		
2,600.0	2,543.5	2,606.0	2,571.0	8.7	7.4	158.26	-113.9	228.9	124.9	112.7	12.19	10.245		
2,700.0	2,638.0	2,704.4	2,666.0	9.3	7.9	157.72	-126.7	250.8	134.2	121.3	12.92	10.386		
2,800.0	2,732.7	2,806.3	2,764.5	9.9	8.4	155.04	-140.1	273.2	142.9	129.2	13.68	10.442		
2,900.0	2,827.2	2,905.5	2,859.9	10.5	8.9	154.23	-154.1	296.6	150.5	136.0	14.46	10.404		
3,000.0	2,921.7	3,003.7	2,954.8	11.2	9.4	154.83	-166.9	318.7	159.0	143.8	15.22	10.444		
3,100.0	3,015.8	3,101.2	3,049.2	11.8	9.8	157.27	-178.7	339.7	170.0	154.1	15.94	10.666		
3,200.0	3,110.2	3,206.0	3,150.8	12.5	10.3	152.92	-190.3	362.6	179.6	163.0	16.64	10.793		
3,300.0	3,204.8	3,304.3	3,245.9	13.1	10.8	155.18	-200.4	385.5	186.9	169.7	17.27	10.827		
3,400.0	3,299.3	3,405.0	3,343.1	13.8	11.3	153.72	-212.3	409.1	194.3	176.3	17.96	10.815		
3,500.0	3,393.9	3,504.7	3,439.2	14.4	11.8	153.89	-224.2	432.3	201.4	182.7	18.69	10.779		
3,600.0	3,488.2	3,605.3	3,536.0	15.0	12.4	152.88	-237.4	456.5	208.2	188.8	19.42	10.722		
3,700.0	3,582.9	3,702.9	3,630.2	15.7	12.9	155.25	-248.9	479.3	215.0	194.8	20.13	10.678		
3,800.0	3,677.0	3,805.2	3,729.1	16.3	13.4	156.74	-260.6	502.9	224.0	203.2	20.83	10.755		
3,900.0	3,771.3	3,905.2	3,825.2	17.0	13.9	157.24	-273.2	527.4	231.6	210.0	21.64	10.704		
4,000.0	3,865.0	4,010.5	3,926.3	17.7	14.5	159.13	-286.0	553.9	240.2	217.7	22.45	10.699		
4,100.0	3,959.6	4,107.0	4,018.7	18.4	15.1	160.61	-298.3	579.0	245.9	222.6	23.37	10.522		
4,200.0	4,054.3	4,203.7	4,111.8	19.0	15.6	153.68	-308.9	602.5	252.5	228.4	24.13	10.464		
4,300.0	4,149.2	4,305.5	4,209.7	19.6	16.1	155.41	-321.4	627.7	257.7	232.8	24.95	10.331		
4,400.0	4,244.1	4,401.2	4,301.8	20.2	16.6	156.86	-333.4	650.7	264.4	238.6	25.81	10.246		
4,500.0	4,339.2	4,496.7	4,393.6	20.9	17.1	155.20	-348.2	672.6	272.1	245.2	26.87	10.124		
4,600.0	4,433.6	4,598.0	4,491.2	21.5	17.7	153.07	-364.1	694.6	282.4	254.4	27.91	10.116		
4,700.0	4,528.2	4,698.0	4,586.8	22.2	18.2	150.24	-381.4	718.4	290.7	261.6	29.08	9.996		
4,800.0	4,622.0	4,794.6	4,679.6	22.9	18.8	149.11	-397.3	740.0	301.4	271.3	30.05	10.029		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-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		
4,900.0	4,716.6	4,901.8	4,782.8	23.5	19.3	149.54	-412.7	764.3	309.6	278.6	31.02	9.983		
5,000.0	4,811.5	4,998.2	4,875.9	24.1	19.8	152.38	-424.0	786.8	316.7	284.8	31.81	9.953		
5,100.0	4,906.7	5,105.4	4,979.0	24.8	20.4	151.70	-436.9	812.8	322.4	289.6	32.75	9.844		
5,200.0	5,001.7	5,202.8	5,072.6	25.4	21.0	150.55	-449.2	836.9	327.8	294.2	33.66	9.739		
5,300.0	5,095.4	5,299.8	5,166.0	26.1	21.5	150.72	-460.9	860.2	337.2	302.8	34.44	9.792		
5,400.0	5,189.3	5,400.2	5,263.0	26.8	22.0	150.98	-472.4	883.6	347.1	311.9	35.20	9.861		
5,500.0	5,283.8	5,499.4	5,358.2	27.4	22.6	149.75	-485.7	907.8	354.3	318.2	36.12	9.811		
5,600.0	5,378.6	5,592.0	5,447.7	28.1	23.1	148.85	-497.2	928.9	361.9	325.0	36.89	9.812		
5,700.0	5,473.9	5,693.8	5,546.4	28.7	23.6	145.89	-508.9	950.8	368.7	331.1	37.64	9.797		
5,800.0	5,568.6	5,790.3	5,639.8	29.3	24.0	146.18	-520.6	972.1	376.1	337.8	38.29	9.821		
5,900.0	5,662.7	5,901.8	5,747.5	30.0	24.6	147.57	-533.8	997.8	384.4	345.4	39.01	9.853		
6,000.0	5,757.4	5,997.2	5,839.6	30.6	25.1	149.44	-544.2	1,020.2	390.7	351.0	39.67	9.849		
6,100.0	5,851.6	6,097.8	5,936.8	31.3	25.6	151.54	-554.9	1,044.1	398.5	358.2	40.33	9.882		
6,200.0	5,946.3	6,190.8	6,027.0	32.0	26.1	153.11	-563.8	1,064.7	406.9	366.0	40.96	9.936		
6,300.0	6,040.4	6,295.1	6,128.1	32.6	26.6	152.65	-575.3	1,087.6	417.5	375.8	41.69	10.014		
6,400.0	6,134.6	6,403.4	6,232.2	33.3	27.2	153.56	-589.0	1,114.1	425.8	383.2	42.60	9.994		
6,500.0	6,229.7	6,500.4	6,325.1	33.9	27.8	152.20	-602.3	1,138.6	430.7	387.1	43.62	9.874		
6,600.0	6,325.2	6,594.3	6,415.7	34.5	28.3	149.75	-613.5	1,160.9	435.4	391.0	44.46	9.794		
6,700.0	6,419.6	6,700.5	6,518.1	35.2	28.8	150.10	-625.6	1,186.2	442.6	397.4	45.22	9.790		
6,800.0	6,513.4	6,791.5	6,605.9	35.9	29.3	151.96	-635.9	1,207.6	452.0	406.1	45.88	9.852		
6,900.0	6,608.1	6,885.5	6,697.2	36.5	29.8	160.68	-645.7	1,227.9	461.7	415.2	46.54	9.922		
7,000.0	6,702.4	6,996.5	6,805.5	37.1	30.2	-172.36	-648.1	1,251.8	473.9	426.7	47.21	10.038		
7,100.0	6,795.1	7,101.4	6,907.4	37.6	30.6	-150.51	-636.0	1,273.0	487.5	439.8	47.63	10.233		
7,200.0	6,885.3	7,217.1	7,017.3	38.0	30.8	-133.74	-608.5	1,296.0	497.3	449.6	47.64	10.439		
7,300.0	6,970.3	7,328.0	7,118.6	38.2	31.0	-129.65	-569.2	1,317.7	504.5	457.0	47.54	10.613		
7,400.0	7,048.8	7,454.3	7,224.1	38.4	31.0	-127.22	-503.6	1,339.6	512.9	466.8	46.08	11.132		
7,500.0	7,118.1	7,586.4	7,319.4	38.6	31.0	-126.05	-415.2	1,361.6	522.0	478.0	43.98	11.871		
7,501.0	7,118.8	7,587.7	7,320.3	38.6	31.0	-126.02	-414.2	1,361.8	522.1	478.1	43.95	11.878		
7,600.0	7,180.0	7,688.8	7,385.4	38.9	31.0	-123.35	-338.6	1,377.8	531.9	488.6	43.31	12.281		
7,600.3	7,180.2	7,689.1	7,385.6	38.9	31.0	-123.33	-338.3	1,377.8	532.0	488.6	43.31	12.282		
7,700.0	7,230.4	7,797.6	7,446.6	39.0	30.9	-119.15	-249.7	1,391.0	542.4	499.8	42.61	12.729		
7,700.0	7,230.4	7,797.6	7,446.6	39.0	30.9	-119.15	-249.7	1,391.0	542.4	499.8	42.61	12.729		
7,800.0	7,267.4	7,927.2	7,499.1	39.1	30.8	-116.65	-131.9	1,401.7	547.2	505.6	41.67	13.133		
7,800.4	7,267.5	7,927.7	7,499.2	39.1	30.8	-116.65	-131.4	1,401.8	547.2	505.6	41.67	13.134		
7,900.0	7,282.6	8,053.4	7,529.9	39.1	30.8	-116.92	-10.0	1,409.5	550.5	508.9	41.63	13.223		
7,903.8	7,283.0	8,057.6	7,530.5	39.1	30.8	-116.95	-5.8	1,409.7	550.6	509.0	41.66	13.217		
8,000.0	7,288.2	8,162.4	7,538.3	39.2	30.9	-116.99	98.6	1,410.9	552.1	509.6	42.48	12.997		
8,000.2	7,288.3	8,162.6	7,538.3	39.2	30.9	-116.99	98.9	1,410.9	552.1	509.6	42.48	12.997		
8,100.0	7,292.6	8,264.1	7,541.1	39.3	31.0	-116.77	200.3	1,410.8	552.5	508.9	43.60	12.671		
8,121.0	7,293.4	8,284.8	7,541.6	39.3	31.1	-116.72	221.0	1,410.7	552.5	508.6	43.87	12.595		
8,200.0	7,296.4	8,379.4	7,543.4	39.4	31.3	-116.56	315.6	1,411.4	551.7	506.4	45.31	12.176		
8,222.8	7,297.2	8,404.2	7,543.9	39.5	31.4	-116.57	340.4	1,412.1	551.0	505.3	45.71	12.054		
8,300.0	7,299.2	8,479.6	7,545.2	39.7	31.7	-116.60	415.7	1,414.1	549.3	502.5	46.82	11.732		
8,322.1	7,299.6	8,501.7	7,545.5	39.7	31.8	-116.61	437.8	1,414.6	549.0	501.8	47.22	11.627		
8,400.0	7,300.7	8,580.0	7,546.4	40.0	32.3	-116.65	516.1	1,416.4	547.6	499.0	48.64	11.257		
8,422.2	7,301.0	8,602.8	7,546.6	40.0	32.4	-116.66	538.8	1,416.9	547.2	498.1	49.11	11.142		
8,500.0	7,301.3	8,681.8	7,546.8	40.4	32.9	-116.74	617.8	1,418.5	545.7	495.0	50.71	10.761		
8,572.0	7,300.7	8,754.0	7,547.3	40.7	33.4	-116.92	690.1	1,420.3	544.9	492.8	52.11	10.457		
8,600.0	7,300.1	8,781.9	7,547.6	40.8	33.6	-117.02	717.9	1,421.1	544.9	492.3	52.66	10.349		
8,621.0	7,299.8	8,802.8	7,547.8	40.9	33.7	-117.09	738.8	1,421.6	544.9	491.8	53.09	10.263		
8,700.0	7,298.2	8,887.3	7,548.3	41.4	34.4	-117.37	823.3	1,423.9	544.5	489.4	55.10	9.882		
8,722.3	7,297.7	8,912.6	7,548.2	41.5	34.7	-117.45	848.5	1,424.8	544.1	488.4	55.77	9.756		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-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		
8,800.0	7,295.8	8,988.0	7,548.1	42.0	35.3	-117.69	923.9	1,427.6	543.0	485.7	57.28	9.479		
8,820.6	7,295.5	9,007.2	7,548.2	42.2	35.5	-117.73	943.1	1,428.3	543.0	485.4	57.61	9.427		
8,900.0	7,294.9	9,116.7	7,547.1	42.7	36.6	-117.75	1,052.4	1,434.1	542.3	481.0	61.26	8.852		
8,924.0	7,295.0	9,129.1	7,546.9	42.9	36.7	-117.74	1,064.8	1,434.9	541.3	480.2	61.02	8.870		
9,000.0	7,295.8	9,184.0	7,546.6	43.5	37.3	-117.71	1,119.6	1,437.3	539.2	478.0	61.24	8.804		
9,016.8	7,295.9	9,197.0	7,546.7	43.7	37.4	-117.72	1,132.6	1,437.6	539.2	477.8	61.37	8.785		
9,100.0	7,296.4	9,268.9	7,547.8	44.4	38.1	-117.74	1,204.5	1,438.5	540.1	477.6	62.51	8.640		
9,104.1	7,296.5	9,272.4	7,547.8	44.4	38.1	-117.75	1,208.0	1,438.5	540.2	477.6	62.57	8.633		
9,200.0	7,296.7	9,366.4	7,549.8	45.3	39.2	-117.80	1,302.0	1,438.5	542.8	478.0	64.83	8.373		
9,203.9	7,296.7	9,370.3	7,549.9	45.4	39.2	-117.81	1,305.9	1,438.5	543.0	478.0	64.93	8.362		
9,300.0	7,296.7	9,464.9	7,551.8	47.7	40.3	-117.90	1,400.4	1,438.4	545.2	478.0	67.26	8.106		
9,322.2	7,297.1	9,488.2	7,552.2	47.9	40.6	-117.89	1,423.7	1,438.2	545.2	477.4	67.82	8.039		
9,400.0	7,300.4	9,569.5	7,551.6	48.4	41.6	-117.46	1,505.1	1,437.3	541.4	471.6	69.82	7.754		
9,500.0	7,306.8	9,666.9	7,549.4	49.0	42.8	-116.96	1,602.4	1,435.9	531.5	459.5	71.93	7.389		
9,600.0	7,313.1	9,750.2	7,549.8	49.7	43.8	-116.74	1,685.7	1,433.8	523.3	450.6	72.70	7.199		
9,700.0	7,319.4	9,849.7	7,551.9	50.4	45.0	-116.55	1,785.1	1,429.7	517.3	442.3	74.95	6.902		
9,800.0	7,325.7	9,954.7	7,552.3	51.2	46.4	-116.27	1,890.1	1,427.3	508.9	431.0	77.87	6.535		
9,825.7	7,327.3	9,975.6	7,552.5	51.4	46.6	-116.24	1,910.9	1,426.6	507.1	429.1	78.05	6.498		
9,900.0	7,331.5	10,044.8	7,553.3	52.0	47.6	-116.09	1,980.1	1,423.3	503.8	424.3	79.44	6.342		
9,922.3	7,332.4	10,067.7	7,553.5	52.2	47.9	-116.04	2,002.9	1,422.2	503.3	423.2	80.08	6.284		
10,000.0	7,334.9	10,156.5	7,553.2	52.9	49.1	-115.75	2,091.7	1,418.2	502.5	419.2	83.29	6.033		
10,028.6	7,335.5	10,190.7	7,552.4	53.2	49.6	-115.59	2,125.8	1,417.1	502.3	417.7	84.65	5.934		
10,100.0	7,336.0	10,256.2	7,550.9	53.9	50.5	-115.28	2,191.3	1,414.8	503.6	417.6	86.02	5.855		
10,103.3	7,336.0	10,259.4	7,550.9	54.0	50.6	-115.27	2,194.4	1,414.6	503.8	417.7	86.09	5.851		
10,200.0	7,336.0	10,349.7	7,548.9	55.0	51.9	-114.82	2,284.6	1,410.5	507.8	419.7	88.15	5.761		
10,203.1	7,336.0	10,352.5	7,548.8	55.0	51.9	-114.80	2,287.4	1,410.3	508.0	419.8	88.22	5.758		
10,300.0	7,336.0	10,468.5	7,546.9	56.0	53.6	-114.40	2,403.3	1,407.2	510.6	417.7	92.89	5.497		
10,300.0	7,336.0	10,468.5	7,546.9	56.0	53.6	-114.40	2,403.3	1,407.2	510.6	417.7	92.89	5.497		
10,400.0	7,336.0	10,567.1	7,546.1	57.1	55.0	-114.21	2,502.0	1,405.9	512.4	416.8	95.56	5.362		
10,400.1	7,336.0	10,567.3	7,546.1	57.1	55.0	-114.21	2,502.1	1,405.9	512.4	416.8	95.56	5.362		
10,500.0	7,336.0	10,676.4	7,547.5	58.3	56.5	-114.37	2,611.2	1,407.6	512.4	413.3	99.15	5.168		
10,521.3	7,336.0	10,697.4	7,547.9	58.6	56.8	-114.43	2,632.2	1,408.1	512.3	412.7	99.68	5.140		
10,600.0	7,336.0	10,775.6	7,549.5	59.5	58.0	-114.64	2,710.3	1,409.9	512.1	410.4	101.74	5.034		
10,621.2	7,336.0	10,796.7	7,549.9	59.8	58.3	-114.68	2,731.5	1,410.3	512.1	409.8	102.32	5.005		
10,700.0	7,336.0	10,876.4	7,550.6	60.7	59.6	-114.79	2,811.2	1,411.8	511.9	407.2	104.68	4.890		
10,721.4	7,336.0	10,898.1	7,550.8	61.0	60.0	-114.81	2,832.8	1,412.2	511.8	406.5	105.34	4.859		
10,800.0	7,336.0	10,974.6	7,551.1	62.0	61.2	-114.87	2,909.3	1,413.3	511.6	404.2	107.43	4.762		
10,804.3	7,336.0	10,978.8	7,551.1	62.1	61.3	-114.87	2,913.5	1,413.4	511.6	404.1	107.54	4.757		
10,900.0	7,336.0	11,072.0	7,551.7	63.3	62.7	-114.92	3,006.7	1,414.4	511.8	401.8	110.06	4.651		
10,900.4	7,336.0	11,072.4	7,551.7	63.3	62.7	-114.92	3,007.1	1,414.4	511.8	401.8	110.07	4.650		
11,000.0	7,336.0	11,177.1	7,550.9	64.6	64.4	-114.83	3,111.8	1,415.1	511.9	398.3	113.58	4.507		
11,021.7	7,336.0	11,199.7	7,550.4	64.9	64.8	-114.77	3,134.4	1,415.3	511.7	397.4	114.36	4.475		
11,100.0	7,336.0	11,278.8	7,548.2	66.0	66.1	-114.54	3,213.4	1,415.9	511.0	394.1	116.95	4.370		
11,172.1	7,336.0	11,347.0	7,546.1	67.0	67.2	-114.29	3,281.6	1,416.0	510.7	391.8	118.89	4.296		
11,200.0	7,336.0	11,374.0	7,545.1	67.4	67.6	-114.17	3,308.6	1,415.8	510.7	391.0	119.72	4.266		
11,200.0	7,336.0	11,374.0	7,545.1	67.4	67.6	-114.17	3,308.6	1,415.8	510.7	391.0	119.72	4.266		
11,300.0	7,336.0	11,475.8	7,541.6	68.8	69.3	-113.73	3,410.3	1,415.1	511.0	387.8	123.24	4.146		
11,321.6	7,336.0	11,499.7	7,541.2	69.1	69.7	-113.68	3,434.2	1,415.2	510.9	386.7	124.16	4.115		
11,400.0	7,336.0	11,586.0	7,540.3	70.3	71.0	-113.64	3,520.5	1,417.1	509.8	382.4	127.37	4.002		
11,422.8	7,336.0	11,611.1	7,539.8	70.6	71.4	-113.61	3,545.6	1,417.9	509.2	380.9	128.31	3.969		
11,500.0	7,336.0	11,676.9	7,539.5	71.7	72.5	-113.62	3,611.4	1,419.6	508.0	378.5	129.50	3.923		
11,514.1	7,336.0	11,688.8	7,539.7	72.0	72.7	-113.65	3,623.3	1,419.8	507.9	378.3	129.69	3.917		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design		Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1 NCH We											Offset Site Error:	0.0 ft
Survey Program: 134-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		
11,600.0	7,336.0	11,771.5	7,542.0	73.2	74.0	-113.91	3,705.9	1,421.3	508.4	376.5	131.84	3.856		
11,600.1	7,336.0	11,771.6	7,542.0	73.2	74.0	-113.91	3,706.1	1,421.3	508.4	376.5	131.84	3.856		
11,700.0	7,336.0	11,879.5	7,543.5	74.8	75.8	-114.08	3,813.9	1,423.0	508.4	372.7	135.73	3.746		
11,750.2	7,336.0	11,925.0	7,543.2	75.5	76.6	-114.06	3,859.4	1,423.6	508.2	371.3	136.84	3.714		
11,800.0	7,336.0	11,970.0	7,543.1	76.3	77.3	-114.04	3,904.4	1,423.8	508.4	370.5	137.91	3.687		
11,822.1	7,336.0	12,001.7	7,542.8	76.6	77.8	-114.00	3,936.1	1,424.0	508.4	368.8	139.64	3.641		
11,900.0	7,336.0	12,092.3	7,539.4	77.8	79.3	-113.72	4,026.6	1,426.6	505.9	362.3	143.55	3.524		
11,923.3	7,336.0	12,112.4	7,538.8	78.2	79.7	-113.68	4,046.7	1,427.2	505.1	361.1	144.00	3.508		
12,000.0	7,336.0	12,178.2	7,538.2	79.4	80.7	-113.67	4,112.4	1,428.9	503.8	358.5	145.28	3.468		
12,020.9	7,336.0	12,195.8	7,538.2	79.8	81.0	-113.67	4,130.1	1,429.2	503.7	358.1	145.59	3.460		
12,100.0	7,336.0	12,262.4	7,538.6	81.0	82.1	-113.67	4,196.6	1,429.2	504.7	358.0	146.72	3.440		
12,103.4	7,336.0	12,265.3	7,538.6	81.1	82.1	-113.67	4,199.5	1,429.1	504.8	358.0	146.77	3.439		
12,200.0	7,336.0	12,353.1	7,538.8	82.6	83.6	-113.53	4,287.3	1,426.3	508.6	359.6	148.98	3.414		
12,203.2	7,336.0	12,356.9	7,538.8	82.7	83.7	-113.52	4,291.1	1,426.2	508.7	359.6	149.16	3.411		
12,300.0	7,336.0	12,465.3	7,537.9	84.2	85.5	-113.25	4,399.5	1,423.6	511.4	357.6	153.80	3.325		
12,300.0	7,336.0	12,465.3	7,537.9	84.2	85.5	-113.25	4,399.5	1,423.6	511.4	357.6	153.80	3.325		
12,400.0	7,336.0	12,566.2	7,535.6	85.9	87.2	-112.90	4,500.3	1,421.9	513.1	355.6	157.44	3.259		
12,400.0	7,336.0	12,566.2	7,535.6	85.9	87.2	-112.90	4,500.3	1,421.9	513.1	355.6	157.44	3.259		
12,500.0	7,336.0	12,682.4	7,532.5	87.5	89.2	-112.49	4,616.4	1,421.1	513.8	351.0	162.73	3.157		
12,522.4	7,336.0	12,706.0	7,532.0	87.9	89.5	-112.44	4,640.1	1,421.5	513.4	349.8	163.60	3.138		
12,600.0	7,336.0	12,785.1	7,531.1	89.2	90.8	-112.41	4,719.1	1,423.6	512.0	345.7	166.24	3.080		
12,622.5	7,336.0	12,806.6	7,530.9	89.5	91.2	-112.40	4,740.6	1,424.2	511.5	344.7	166.88	3.065		
12,700.0	7,336.0	12,880.4	7,530.1	90.8	92.4	-112.35	4,814.4	1,425.7	510.5	341.4	169.06	3.019		
12,772.0	7,336.0	12,947.6	7,530.6	92.0	93.5	-112.43	4,881.6	1,427.0	510.1	339.2	170.84	2.986		
12,800.0	7,336.0	12,974.9	7,531.3	92.5	94.0	-112.51	4,908.8	1,427.6	510.1	338.5	171.61	2.972		
12,800.4	7,336.0	12,975.3	7,531.3	92.5	94.0	-112.51	4,909.3	1,427.6	510.1	338.4	171.62	2.972		
12,900.0	7,336.0	13,073.8	7,532.6	94.2	95.7	-112.66	5,007.7	1,429.0	510.3	335.6	174.65	2.922		
12,900.3	7,336.0	13,074.1	7,532.6	94.2	95.7	-112.66	5,008.1	1,429.0	510.3	335.6	174.66	2.921		
13,000.0	7,336.0	13,175.5	7,533.1	95.9	97.4	-112.72	5,109.4	1,430.0	510.5	332.4	178.11	2.866		
13,021.2	7,336.0	13,197.6	7,533.3	96.3	97.8	-112.73	5,131.5	1,430.4	510.5	331.6	178.89	2.854		
13,100.0	7,336.0	13,280.1	7,533.7	97.6	99.2	-112.81	5,214.0	1,431.9	510.0	328.2	181.77	2.806		
13,122.0	7,336.0	13,303.2	7,533.7	98.0	99.6	-112.83	5,237.1	1,432.5	509.8	327.2	182.58	2.792		
13,200.0	7,336.0	13,386.0	7,533.4	99.3	101.0	-112.85	5,319.9	1,434.7	508.5	322.9	185.62	2.740		
13,222.8	7,336.0	13,409.6	7,533.2	99.7	101.4	-112.84	5,343.4	1,435.4	508.0	321.6	186.45	2.725		
13,300.0	7,336.0	13,486.8	7,532.3	101.0	102.8	-112.82	5,420.6	1,437.7	506.3	317.2	189.05	2.678		
13,372.6	7,336.0	13,549.9	7,531.8	102.3	103.9	-112.80	5,483.6	1,439.1	505.3	314.8	190.49	2.653		
13,400.0	7,336.0	13,578.0	7,531.8	102.8	104.3	-112.79	5,511.8	1,439.4	505.3	313.8	191.49	2.639		
13,402.7	7,336.0	13,578.0	7,531.8	102.8	104.3	-112.79	5,511.8	1,439.4	505.3	314.0	191.29	2.642		
13,500.0	7,336.0	13,671.4	7,531.9	104.5	105.9	-112.78	5,605.2	1,439.8	505.9	311.8	194.08	2.607		
13,500.2	7,336.0	13,671.6	7,531.9	104.5	105.9	-112.78	5,605.4	1,439.8	505.9	311.8	194.09	2.607		
13,600.0	7,336.0	13,775.5	7,531.2	106.3	107.7	-112.69	5,709.3	1,440.3	506.2	308.3	197.96	2.557		
13,671.7	7,336.0	13,847.0	7,529.9	107.5	109.0	-112.52	5,780.8	1,440.5	506.2	305.6	200.53	2.524		
13,700.0	7,336.0	13,874.0	7,529.4	108.0	109.5	-112.46	5,807.8	1,440.6	506.2	304.8	201.39	2.513		
13,700.1	7,336.0	13,874.1	7,529.4	108.0	109.5	-112.46	5,807.9	1,440.6	506.2	304.8	201.40	2.513		
13,800.0	7,336.0	13,969.1	7,529.4	109.8	111.0	-112.42	5,902.8	1,440.7	507.1	302.9	204.18	2.484		
13,800.0	7,336.0	13,969.1	7,529.4	109.8	111.0	-112.42	5,902.9	1,440.7	507.1	302.9	204.18	2.484		
13,900.0	7,336.0	14,071.3	7,530.4	111.5	112.7	-112.50	6,005.1	1,441.0	508.2	300.6	207.62	2.448		
13,900.1	7,336.0	14,071.5	7,530.4	111.5	112.7	-112.50	6,005.2	1,441.0	508.2	300.6	207.62	2.448		
14,000.0	7,336.0	14,174.4	7,531.0	113.3	114.5	-112.55	6,108.1	1,441.8	508.6	297.4	211.23	2.408		
14,000.0	7,336.0	14,174.4	7,531.0	113.3	114.5	-112.55	6,108.1	1,441.8	508.6	297.4	211.23	2.408		
14,100.0	7,336.0	14,270.3	7,530.9	115.1	116.2	-112.52	6,204.0	1,442.4	509.1	294.9	214.18	2.377		
14,100.0	7,336.0	14,270.3	7,530.9	115.1	116.2	-112.52	6,204.0	1,442.4	509.1	294.9	214.18	2.377		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-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		
14,200.0	7,336.0	14,357.5	7,531.1	116.8	117.7	-112.46	6,291.3	1,441.4	511.2	295.0	216.14	2.365		
14,202.9	7,336.0	14,360.0	7,531.1	116.9	117.7	-112.45	6,293.7	1,441.4	511.3	295.1	216.19	2.365		
14,300.0	7,336.0	14,459.8	7,531.4	118.6	119.5	-112.31	6,393.5	1,438.5	514.9	295.0	219.95	2.341		
14,303.6	7,336.0	14,463.9	7,531.4	118.7	119.5	-112.31	6,397.5	1,438.4	515.1	294.9	220.13	2.340		
14,400.0	7,336.0	14,567.4	7,531.5	120.4	121.3	-112.21	6,501.0	1,437.0	517.2	292.9	224.27	2.306		
14,404.4	7,336.0	14,571.7	7,531.5	120.5	121.3	-112.21	6,505.4	1,437.0	517.3	292.9	224.41	2.305		
14,500.0	7,336.0	14,666.9	7,533.1	122.2	122.9	-112.34	6,600.5	1,437.0	518.8	291.4	227.35	2.282		
14,504.3	7,336.0	14,671.1	7,533.2	122.3	123.0	-112.35	6,604.7	1,437.0	518.9	291.4	227.48	2.281		
14,600.0	7,336.0	14,765.4	7,535.4	124.0	124.6	-112.52	6,699.0	1,437.1	520.6	290.3	230.32	2.260		
14,604.0	7,336.0	14,769.3	7,535.5	124.1	124.7	-112.53	6,702.9	1,437.1	520.7	290.2	230.44	2.260		
14,700.0	7,336.0	14,869.2	7,537.5	125.8	126.4	-112.69	6,802.8	1,436.9	522.5	288.6	233.92	2.234		
14,720.6	7,336.0	14,892.8	7,537.8	126.2	126.9	-112.71	6,826.4	1,437.0	522.7	287.8	234.92	2.225		
14,800.0	7,336.0	14,984.3	7,537.9	127.6	128.4	-112.74	6,917.9	1,438.6	522.3	283.6	238.78	2.188		
14,822.8	7,336.0	15,010.6	7,537.8	128.0	128.9	-112.75	6,944.2	1,439.4	521.9	282.0	239.86	2.176		
14,900.0	7,336.0	15,099.1	7,537.4	129.4	130.4	-112.85	7,032.5	1,443.4	519.2	275.9	243.31	2.134		
14,923.8	7,336.0	15,117.8	7,537.3	129.8	130.7	-112.87	7,051.2	1,444.4	518.3	274.7	243.62	2.127		
15,000.0	7,336.0	15,177.6	7,537.0	131.2	131.7	-112.89	7,111.0	1,446.2	516.8	272.2	244.57	2.113		
15,012.3	7,336.0	15,188.0	7,536.9	131.4	131.9	-112.88	7,121.4	1,446.2	516.8	272.0	244.80	2.111		
15,100.0	7,336.0	15,275.0	7,536.2	133.0	133.5	-112.79	7,208.5	1,446.7	516.9	269.1	247.83	2.086		
15,100.0	7,336.0	15,275.1	7,536.2	133.0	133.5	-112.79	7,208.5	1,446.7	516.9	269.1	247.83	2.086		
15,200.0	7,336.0	15,367.0	7,535.3	134.8	135.1	-112.61	7,300.4	1,445.9	518.3	267.7	250.60	2.068		
15,204.0	7,336.0	15,367.0	7,535.3	134.9	135.1	-112.61	7,300.4	1,445.9	518.4	268.1	250.28	2.071		
15,300.0	7,336.0	15,464.2	7,534.9	136.7	136.8	-112.45	7,397.6	1,444.1	520.8	266.9	253.85	2.052		
15,304.2	7,336.0	15,468.6	7,534.9	136.7	136.8	-112.45	7,402.0	1,444.1	520.9	266.9	254.02	2.051		
15,400.0	7,336.0	15,566.0	7,534.9	138.5	138.5	-112.38	7,499.4	1,443.2	522.6	265.1	257.53	2.029		
15,404.0	7,336.0	15,569.6	7,535.0	138.5	138.6	-112.38	7,503.0	1,443.2	522.7	265.1	257.62	2.029		
15,500.0	7,336.0	15,658.7	7,536.6	140.3	140.1	-112.46	7,592.1	1,442.2	525.3	265.4	259.93	2.021		
15,503.1	7,336.0	15,661.8	7,536.7	140.4	140.2	-112.47	7,595.2	1,442.2	525.4	265.4	260.02	2.021		
15,600.0	7,336.0	15,759.9	7,538.8	142.1	141.9	-112.57	7,693.2	1,440.5	528.6	265.3	263.32	2.008		
15,603.6	7,336.0	15,763.8	7,538.9	142.2	141.9	-112.57	7,697.1	1,440.5	528.8	265.3	263.47	2.007		
15,700.0	7,336.0	15,867.3	7,539.8	144.0	143.8	-112.58	7,800.6	1,439.4	530.9	263.4	267.58	1.984		
15,700.0	7,336.0	15,867.3	7,539.8	144.0	143.8	-112.58	7,800.6	1,439.4	530.9	263.4	267.58	1.984		
15,800.0	7,336.0	15,962.5	7,539.9	145.8	145.5	-112.52	7,895.8	1,438.8	532.6	262.1	270.52	1.969		
15,803.5	7,336.0	15,965.6	7,540.0	145.8	145.5	-112.52	7,898.9	1,438.7	532.7	262.1	270.60	1.969		
15,900.0	7,336.0	16,060.1	7,541.0	147.6	147.2	-112.51	7,993.4	1,437.0	535.7	262.0	273.66	1.957		
15,903.5	7,336.0	16,063.7	7,541.0	147.7	147.2	-112.51	7,996.9	1,437.0	535.8	262.0	273.79	1.957		
16,000.0	7,336.0	16,154.6	7,541.6	149.4	148.8	-112.44	8,087.8	1,434.9	539.0	262.4	276.52	1.949		
16,002.6	7,336.0	16,157.0	7,541.6	149.5	148.9	-112.44	8,090.2	1,434.9	539.1	262.5	276.59	1.949		
16,100.0	7,336.0	16,246.5	7,542.9	151.3	150.4	-112.40	8,179.7	1,431.7	543.7	264.7	279.00	1.949		
16,102.4	7,336.0	16,248.7	7,542.9	151.3	150.5	-112.40	8,181.9	1,431.6	543.8	264.7	279.06	1.949		
16,200.0	7,336.0	16,369.9	7,542.6	153.1	152.6	-112.20	8,303.0	1,428.7	546.8	261.4	285.44	1.916		
16,204.4	7,336.0	16,373.8	7,542.5	153.2	152.6	-112.19	8,306.9	1,428.6	546.9	261.3	285.54	1.915		
16,300.0	7,336.0	16,460.4	7,541.5	155.0	154.2	-111.99	8,393.5	1,427.0	549.1	261.0	288.12	1.906		
16,303.5	7,336.0	16,464.1	7,541.5	155.0	154.2	-111.98	8,397.2	1,426.9	549.2	260.9	288.27	1.905		
16,400.0	7,336.0	16,571.4	7,540.9	156.8	156.1	-111.81	8,504.5	1,425.2	551.4	258.4	292.96	1.882		
16,421.2	7,336.0	16,597.8	7,540.4	157.2	156.5	-111.76	8,530.9	1,425.2	551.5	257.2	294.28	1.874		
16,500.0	7,336.0	16,681.3	7,538.2	158.6	158.0	-111.53	8,614.4	1,425.9	550.9	253.1	297.79	1.850		
16,521.9	7,336.0	16,703.4	7,537.5	159.1	158.4	-111.47	8,636.4	1,426.1	550.7	252.0	298.66	1.844		
16,600.0	7,336.0	16,780.0	7,535.3	160.5	159.7	-111.24	8,713.0	1,426.6	550.1	248.5	301.56	1.824		
16,621.7	7,336.0	16,801.2	7,534.7	160.9	160.1	-111.18	8,734.2	1,426.8	549.9	247.6	302.36	1.819		
16,700.0	7,336.0	16,878.5	7,532.7	162.3	161.4	-110.97	8,811.4	1,427.2	549.6	244.3	305.23	1.800		
16,721.5	7,336.0	16,899.8	7,532.2	162.7	161.8	-110.93	8,832.8	1,427.4	549.5	243.5	306.02	1.796		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-1NCH - Brighton Lakes 20-17-1 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-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		
16,800.0	7,336.0	16,978.0	7,531.9	164.2	163.1	-110.89	8,911.0	1,428.3	549.2	240.5	308.67	1.779		
16,817.6	7,336.0	16,994.0	7,532.0	164.5	163.4	-110.91	8,927.0	1,428.6	549.2	240.1	309.09	1.777		
16,900.0	7,336.0	17,066.9	7,532.7	166.0	164.6	-110.97	8,999.9	1,429.0	549.9	239.1	310.82	1.769		
16,904.3	7,336.0	17,071.2	7,532.8	166.1	164.7	-110.97	9,004.1	1,429.0	550.0	239.0	310.96	1.769		
17,000.0	7,336.0	17,166.5	7,533.5	167.9	166.4	-110.98	9,099.4	1,428.5	551.6	237.4	314.22	1.756		
17,004.0	7,336.0	17,170.4	7,533.5	168.0	166.5	-110.98	9,103.3	1,428.4	551.7	237.3	314.34	1.755		
17,100.0	7,336.0	17,264.5	7,534.4	169.7	168.1	-111.00	9,197.4	1,427.7	553.7	236.3	317.39	1.745		
17,104.1	7,336.0	17,268.8	7,534.5	169.8	168.2	-111.01	9,201.7	1,427.6	553.8	236.3	317.55	1.744		
17,200.0	7,336.0	17,365.5	7,535.8	171.6	169.9	-111.08	9,298.4	1,427.3	555.5	234.7	320.79	1.732		
17,203.8	7,336.0	17,368.9	7,535.8	171.7	169.9	-111.08	9,301.9	1,427.3	555.6	234.7	320.88	1.732		
17,300.0	7,336.0	17,462.6	7,537.1	173.5	171.6	-111.12	9,395.5	1,426.2	558.1	234.3	323.83	1.723		
17,303.7	7,336.0	17,466.5	7,537.1	173.5	171.6	-111.13	9,399.4	1,426.1	558.2	234.2	323.98	1.723		
17,400.0	7,336.0	17,581.4	7,538.7	175.3	173.6	-111.24	9,514.3	1,426.4	559.4	230.5	328.95	1.701		
17,422.3	7,336.0	17,610.4	7,538.8	175.7	174.1	-111.27	9,543.3	1,427.2	559.1	228.9	330.25	1.693		
17,500.0	7,336.0	17,691.2	7,538.3	177.2	175.5	-111.28	9,624.1	1,429.8	557.4	224.2	333.18	1.673		
17,522.5	7,336.0	17,712.7	7,537.9	177.6	175.9	-111.27	9,645.5	1,430.5	556.8	222.9	333.89	1.668		
17,597.1	7,336.0	17,786.6	7,537.0	179.0	177.2	-111.23	9,719.4	1,432.8	555.1	218.6	336.46	1.650 SF		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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	0.5	0.5	0.0	0.0	89.98	0.0	58.9	58.9					
100.0	100.0	100.2	100.2	0.1	0.1	-20.13	0.0	59.1	58.7	58.5	0.18	325.712		
200.0	200.0	200.2	200.2	0.3	0.3	-33.13	0.0	59.6	58.3	57.7	0.53	109.439		
300.0	300.0	299.9	299.8	0.5	0.5	-28.71	0.3	60.3	57.7	56.8	0.95	60.460		
336.5	336.5	336.4	336.4	0.6	0.6	-23.90	0.5	60.7	57.7	56.6	1.11	52.145 CC		
400.0	400.0	399.9	399.9	0.7	0.7	-10.71	1.0	61.4	57.7	56.4	1.37	42.115		
500.0	500.0	500.2	500.2	0.9	0.9	156.06	1.6	62.2	58.1	56.3	1.78	32.689		
600.0	600.0	600.8	600.8	1.1	1.1	162.54	1.6	62.0	59.0	56.8	2.19	26.933		
700.0	700.0	700.7	700.7	1.3	1.3	161.79	1.7	61.6	60.2	57.6	2.61	23.054		
800.0	799.9	800.8	800.8	1.5	1.5	138.85	2.4	61.0	61.2	58.2	3.04	20.172		
900.0	899.9	900.7	900.7	1.7	1.7	37.58	3.5	60.4	60.6	57.2	3.46	17.518		
1,000.0	999.9	1,000.4	1,000.4	1.9	2.0	34.81	4.6	60.2	60.1	56.2	3.88	15.485		
1,018.0	1,018.0	1,018.2	1,018.2	2.0	2.0	37.06	4.8	60.2	60.1	56.1	3.96	15.181 ES		
1,100.0	1,099.9	1,098.2	1,098.2	2.1	2.2	45.70	4.5	61.9	61.3	57.0	4.29	14.284		
1,200.0	1,199.9	1,193.7	1,193.4	2.4	2.4	24.30	2.7	68.7	67.2	62.5	4.70	14.283 SF		
1,300.0	1,299.8	1,288.4	1,287.1	2.6	2.6	-3.38	0.0	81.7	77.4	72.3	5.11	15.149		
1,400.0	1,399.5	1,382.9	1,379.5	2.8	2.9	-12.76	-4.5	100.9	89.8	84.3	5.50	16.344		
1,500.0	1,498.6	1,480.0	1,473.7	3.0	3.2	-15.30	-10.6	123.7	100.7	94.8	5.91	17.032		
1,600.0	1,596.6	1,575.1	1,565.2	3.3	3.6	-15.63	-16.4	149.0	109.2	102.9	6.33	17.255		
1,700.0	1,693.3	1,668.7	1,653.8	3.7	4.1	-16.04	-22.4	178.4	116.6	109.9	6.75	17.268		
1,800.0	1,788.4	1,762.3	1,740.7	4.2	4.7	-16.49	-29.2	212.6	124.2	117.0	7.22	17.202		
1,900.0	1,882.7	1,860.6	1,830.6	4.7	5.4	-15.69	-37.6	251.5	132.7	124.9	7.79	17.032		
2,000.0	1,976.8	1,958.4	1,919.7	5.2	6.1	-16.03	-46.5	290.9	140.9	132.5	8.36	16.851		
2,100.0	2,071.0	2,056.5	2,008.4	5.8	6.9	-16.52	-56.6	331.5	151.0	142.1	8.96	16.860		
2,200.0	2,165.4	2,156.7	2,098.9	6.3	7.7	-15.17	-67.2	373.1	161.5	151.9	9.59	16.844		
2,300.0	2,259.8	2,257.1	2,189.9	6.9	8.5	-14.80	-76.9	414.3	171.6	161.4	10.23	16.774		
2,400.0	2,354.5	2,358.6	2,282.4	7.5	9.2	-14.90	-85.9	455.4	181.9	171.0	10.90	16.684		
2,500.0	2,449.0	2,459.0	2,374.2	8.1	10.0	-17.79	-94.8	495.0	190.7	179.1	11.60	16.440		
2,600.0	2,543.5	2,559.4	2,465.9	8.7	10.8	-17.43	-105.9	534.3	199.7	187.4	12.29	16.248		
2,700.0	2,638.0	2,662.5	2,560.5	9.3	11.6	-16.80	-118.0	573.5	207.1	194.1	12.99	15.935		
2,800.0	2,732.7	2,758.8	2,648.7	9.9	12.4	-18.01	-130.0	610.0	215.3	201.7	13.61	15.817		
2,900.0	2,827.2	2,852.3	2,733.5	10.5	13.2	-17.87	-142.3	647.5	225.4	211.2	14.24	15.837		
3,000.0	2,921.7	2,949.5	2,820.9	11.2	14.1	-16.47	-155.0	688.2	237.6	222.7	14.90	15.943		
3,100.0	3,015.8	3,051.0	2,912.2	11.8	15.0	-13.94	-167.3	730.6	248.2	232.5	15.62	15.886		
3,200.0	3,110.2	3,155.2	3,006.9	12.5	15.8	-18.22	-178.1	772.9	258.2	241.8	16.40	15.744		
3,300.0	3,204.8	3,256.3	3,099.4	13.1	16.7	-17.60	-186.5	812.7	267.5	250.3	17.23	15.523		
3,400.0	3,299.3	3,351.5	3,186.2	13.8	17.5	-19.43	-196.3	850.5	277.3	259.3	17.96	15.437		
3,500.0	3,393.9	3,445.4	3,270.8	14.4	18.3	-19.39	-207.5	889.6	289.6	270.9	18.65	15.526		
3,600.0	3,488.2	3,548.2	3,363.2	15.0	19.2	-20.55	-220.2	932.9	301.9	282.4	19.48	15.499		
3,700.0	3,582.9	3,646.5	3,452.1	15.7	20.1	-18.54	-231.3	973.3	313.9	293.7	20.24	15.510		
3,800.0	3,677.0	3,744.5	3,540.6	16.3	21.0	-17.48	-241.8	1,014.4	324.6	303.6	21.01	15.448		
3,900.0	3,771.3	3,844.7	3,630.9	17.0	21.8	-16.61	-252.8	1,056.3	335.5	313.7	21.77	15.411		
4,000.0	3,865.0	3,942.6	3,719.1	17.7	22.7	-14.54	-263.5	1,097.3	345.0	322.5	22.49	15.338		
4,100.0	3,959.6	4,042.2	3,808.7	18.4	23.6	-12.08	-273.5	1,139.7	357.1	334.0	23.16	15.421		
4,200.0	4,054.3	4,149.5	3,906.1	19.0	24.5	-18.54	-283.3	1,183.6	368.1	344.1	23.99	15.341		
4,300.0	4,149.2	4,247.9	3,995.8	19.6	25.3	-16.94	-292.5	1,223.1	379.2	354.4	24.77	15.311		
4,400.0	4,244.1	4,347.4	4,086.0	20.2	26.2	-14.87	-303.5	1,263.4	390.3	364.8	25.44	15.338		
4,500.0	4,339.2	4,444.4	4,174.0	20.9	27.0	-14.80	-315.3	1,302.5	401.9	375.8	26.03	15.441		
4,600.0	4,433.6	4,548.3	4,268.0	21.5	27.9	-15.59	-328.9	1,344.5	412.0	385.3	26.72	15.421		
4,700.0	4,528.2	4,644.9	4,355.7	22.2	28.8	-16.81	-341.5	1,383.1	421.9	394.5	27.36	15.419		
4,800.0	4,622.0	4,740.7	4,442.3	22.9	29.6	-17.53	-353.2	1,422.3	431.1	403.0	28.10	15.339		
4,900.0	4,716.6	4,838.7	4,530.9	23.5	30.5	-17.17	-363.1	1,463.0	443.0	414.1	28.89	15.333		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
5,000.0	4,811.5	4,939.8	4,622.5	24.1	31.3	-14.63	-371.6	1,505.1	455.4	425.7	29.71	15.327		
5,100.0	4,906.7	5,047.5	4,720.4	24.8	32.2	-15.06	-381.2	1,548.8	467.4	436.9	30.52	15.314		
5,200.0	5,001.7	5,150.5	4,814.6	25.4	33.1	-15.54	-393.1	1,588.8	477.3	446.0	31.22	15.289		
5,300.0	5,095.4	5,241.7	4,897.6	26.1	33.9	-15.18	-404.9	1,624.7	484.2	452.4	31.83	15.215		
5,400.0	5,189.3	5,329.8	4,977.0	26.8	34.7	-15.02	-416.3	1,661.2	493.7	461.3	32.41	15.232		
5,500.0	5,283.8	5,416.6	5,054.3	27.4	35.5	-15.74	-427.4	1,699.0	507.5	474.5	32.96	15.396		
5,600.0	5,378.6	5,521.5	5,147.2	28.1	36.5	-16.52	-440.4	1,746.0	523.5	489.8	33.75	15.510		
5,700.0	5,473.9	5,631.3	5,245.7	28.7	37.5	-19.57	-452.1	1,793.0	539.1	504.5	34.65	15.562		
5,800.0	5,568.6	5,746.3	5,350.6	29.3	38.5	-19.93	-461.9	1,839.2	550.2	514.5	35.72	15.403		
5,900.0	5,662.7	5,837.1	5,433.3	30.0	39.2	-19.62	-469.9	1,875.7	559.4	522.8	36.59	15.289		
6,000.0	5,757.4	5,933.7	5,520.9	30.6	40.1	-18.43	-478.9	1,915.4	571.2	533.8	37.43	15.261		
6,100.0	5,851.6	6,034.6	5,612.4	31.3	41.0	-16.97	-487.9	1,957.0	581.6	543.3	38.30	15.186		
6,200.0	5,946.3	6,133.6	5,702.3	32.0	41.8	-15.79	-497.2	1,997.5	592.6	553.5	39.07	15.169		
6,300.0	6,040.4	6,239.4	5,798.2	32.6	42.7	-16.36	-507.4	2,040.7	601.9	562.0	39.91	15.084		
6,400.0	6,134.6	6,356.5	5,905.6	33.3	43.7	-15.58	-518.1	2,086.2	609.0	568.2	40.85	14.910		
6,500.0	6,229.7	6,462.6	6,003.9	33.9	44.5	-16.50	-527.7	2,125.0	616.6	575.0	41.60	14.822		
6,600.0	6,325.2	6,552.6	6,086.8	34.5	45.2	-18.59	-537.1	2,158.6	626.4	584.2	42.23	14.832		
6,700.0	6,419.6	6,645.2	6,171.8	35.2	46.0	-18.32	-547.3	2,194.0	634.3	591.3	42.96	14.763		
6,800.0	6,513.4	6,733.4	6,252.2	35.9	46.7	-16.83	-556.7	2,229.1	641.9	598.3	43.67	14.700		
6,900.0	6,608.1	6,830.3	6,340.1	36.5	47.6	-8.83	-566.2	2,268.9	652.7	608.3	44.37	14.711		
7,000.0	6,702.4	6,930.1	6,430.7	37.1	48.4	17.60	-576.0	2,309.4	661.4	617.0	44.46	14.878		
7,100.0	6,795.1	7,019.1	6,511.1	37.6	49.2	40.36	-587.1	2,345.9	672.0	628.3	43.69	15.381		
7,200.0	6,885.3	7,101.4	6,585.2	38.0	50.0	58.64	-597.6	2,380.2	689.5	646.8	42.75	16.130		
7,300.0	6,970.3	7,172.8	6,649.1	38.2	50.6	65.95	-606.1	2,410.8	714.7	672.4	42.29	16.902		
7,400.0	7,048.8	7,233.5	6,703.1	38.4	51.2	67.81	-612.7	2,437.8	744.0	701.1	42.89	17.349		
7,500.0	7,118.1	7,348.8	6,806.4	38.6	52.3	74.16	-623.0	2,488.0	775.1	729.7	45.44	17.057		
7,600.0	7,180.0	7,403.1	6,855.6	38.9	52.7	75.70	-627.0	2,510.6	809.4	760.5	48.90	16.550		
7,700.0	7,230.4	7,469.8	6,916.3	39.0	53.3	79.14	-631.4	2,537.9	853.5	799.9	53.52	15.947		
7,800.0	7,267.4	7,544.7	6,985.3	39.1	53.9	78.66	-635.0	2,566.8	909.2	850.7	58.54	15.531		
7,900.0	7,282.6	7,704.3	7,132.3	39.1	55.0	82.41	-620.0	2,626.2	971.0	908.4	62.66	15.497		

Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2 NCH We													Offset Site Error:		0.0 ft
Survey Program: 134-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	89.98	0.0	30.8	30.8						
100.0	100.0	100.3	100.3	0.1	0.1	-20.89	0.3	30.4	30.0	29.8	0.19	162.057			
200.0	200.0	200.1	200.1	0.3	0.3	-35.82	1.0	29.6	28.2	27.7	0.53	52.946			
300.0	300.0	299.9	299.9	0.5	0.5	-32.46	1.2	29.7	27.2	26.2	0.95	28.651			
400.0	400.0	399.9	399.9	0.7	0.7	-14.44	1.2	30.1	26.5	25.1	1.36	19.468			
436.9	436.9	436.8	436.7	0.8	0.8	-12.80	1.2	30.3	26.4	24.9	1.51	17.449 CC			
500.0	500.0	499.8	499.8	0.9	0.9	153.12	1.1	30.6	26.6	24.8	1.77	14.987 ES			
600.0	600.0	599.9	599.9	1.1	1.1	161.29	0.6	31.1	28.1	25.9	2.19	12.801			
700.0	700.0	699.8	699.8	1.3	1.3	163.31	-0.5	31.5	30.1	27.5	2.61	11.511			
800.0	799.9	799.9	799.9	1.5	1.5	143.31	-1.5	32.0	32.2	29.2	3.03	10.614			
900.0	899.9	900.1	900.1	1.7	1.7	43.01	-1.3	31.9	32.0	28.5	3.45	9.282			
1,000.0	999.9	1,000.4	1,000.3	1.9	1.9	40.13	-0.5	30.9	30.7	26.8	3.86	7.947			
1,077.9	1,077.8	1,077.7	1,077.6	2.1	2.1	47.74	0.4	30.6	29.9	25.7	4.19	7.147			
1,100.0	1,099.9	1,099.6	1,099.6	2.1	2.1	49.40	0.6	30.7	30.0	25.8	4.28	7.016			
1,200.0	1,199.9	1,198.3	1,198.2	2.4	2.4	27.40	0.3	34.0	32.1	27.4	4.70	6.831 SF			
1,300.0	1,299.8	1,296.3	1,295.9	2.6	2.6	-0.03	-1.2	41.6	36.5	31.3	5.11	7.132			
1,400.0	1,399.5	1,393.5	1,392.0	2.8	2.8	-10.64	-3.7	55.3	42.6	37.1	5.50	7.743			
1,500.0	1,498.6	1,490.7	1,487.2	3.0	3.1	-14.83	-7.8	74.9	49.9	44.0	5.89	8.460			
1,600.0	1,596.6	1,589.0	1,582.4	3.3	3.5	-16.10	-13.3	98.6	55.7	49.4	6.32	8.811			
1,700.0	1,693.3	1,686.6	1,676.2	3.7	3.9	-17.11	-19.9	124.7	58.4	51.6	6.77	8.628			
1,800.0	1,788.4	1,782.7	1,766.9	4.2	4.4	-17.94	-27.6	155.5	61.3	54.1	7.21	8.497			
1,900.0	1,882.7	1,882.5	1,859.7	4.7	5.0	-17.30	-36.7	190.9	65.4	57.5	7.80	8.374			
2,000.0	1,976.8	1,895.3	1,871.6	5.2	5.1	-17.32	-37.8	195.5	110.8	105.4	5.42	20.455			
2,100.0	2,071.0	1,895.3	1,871.6	5.8	5.1	-17.73	-37.8	195.5	200.4	195.4	5.03	39.814			
2,200.0	2,165.4	1,895.3	1,871.6	6.3	5.1	-18.16	-37.8	195.5	296.8	291.7	5.09	58.363			
2,300.0	2,259.8	1,895.3	1,871.6	6.9	5.1	-18.80	-37.8	195.5	395.1	389.9	5.16	76.489			
2,400.0	2,354.5	1,895.3	1,871.6	7.5	5.1	-19.51	-37.8	195.5	494.1	488.9	5.24	94.356			
2,500.0	2,449.0	1,895.3	1,871.6	8.1	5.1	-13.37	-37.8	195.5	593.4	588.1	5.30	111.863			
2,600.0	2,543.5	1,895.3	1,871.6	8.7	5.1	-14.21	-37.8	195.5	693.0	687.6	5.37	129.081			
2,700.0	2,638.0	1,895.3	1,871.6	9.3	5.1	-16.13	-37.8	195.5	792.6	787.2	5.43	145.958			
2,800.0	2,732.7	1,895.3	1,871.6	9.9	5.1	-8.07	-37.8	195.5	892.4	886.9	5.49	162.578			
2,900.0	2,827.2	1,895.3	1,871.6	10.5	5.1	-8.78	-37.8	195.5	992.2	986.6	5.55	178.763			

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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	89.98	0.0	30.8	30.8					
100.0	100.0	100.3	100.3	0.1	0.1	-20.89	0.3	30.4	30.0	29.8	0.19	162.057		
200.0	200.0	200.1	200.1	0.3	0.3	-35.82	1.0	29.6	28.2	27.7	0.53	52.946		
300.0	300.0	299.9	299.9	0.5	0.5	-32.46	1.2	29.7	27.2	26.2	0.95	28.651		
400.0	400.0	399.9	399.9	0.7	0.7	-14.44	1.2	30.1	26.5	25.1	1.36	19.468		
436.9	436.9	436.8	436.7	0.8	0.8	-12.80	1.2	30.3	26.4	24.9	1.51	17.449 CC		
500.0	500.0	499.8	499.8	0.9	0.9	153.12	1.1	30.6	26.6	24.8	1.77	14.987 ES		
600.0	600.0	599.9	599.9	1.1	1.1	161.29	0.6	31.1	28.1	25.9	2.19	12.801		
700.0	700.0	699.8	699.8	1.3	1.3	163.31	-0.5	31.5	30.1	27.5	2.61	11.511		
800.0	799.9	799.9	799.9	1.5	1.5	143.31	-1.5	32.0	32.2	29.2	3.03	10.614		
900.0	899.9	900.1	900.1	1.7	1.7	43.01	-1.3	31.9	32.0	28.5	3.45	9.282		
1,000.0	999.9	1,000.4	1,000.3	1.9	1.9	40.13	-0.5	30.9	30.7	26.8	3.86	7.947		
1,077.9	1,077.8	1,077.7	1,077.6	2.1	2.1	47.74	0.4	30.6	29.9	25.7	4.19	7.147		
1,100.0	1,099.9	1,099.6	1,099.6	2.1	2.1	49.40	0.6	30.7	30.0	25.8	4.28	7.016		
1,200.0	1,199.9	1,198.3	1,198.2	2.4	2.4	27.40	0.3	34.0	32.1	27.4	4.70	6.831		
1,300.0	1,299.8	1,296.3	1,295.9	2.6	2.6	-0.03	-1.2	41.6	36.5	31.3	5.11	7.132		
1,400.0	1,399.5	1,393.5	1,392.0	2.8	2.8	-10.64	-3.7	55.3	42.6	37.1	5.50	7.743		
1,500.0	1,498.6	1,490.7	1,487.2	3.0	3.1	-14.83	-7.8	74.9	49.9	44.0	5.89	8.460		
1,600.0	1,596.6	1,589.0	1,582.4	3.3	3.5	-16.10	-13.3	98.6	55.7	49.4	6.32	8.811		
1,700.0	1,693.3	1,686.6	1,676.2	3.7	3.9	-17.11	-19.9	124.7	58.4	51.6	6.77	8.628		
1,800.0	1,788.4	1,782.7	1,766.9	4.2	4.4	-17.94	-27.6	155.5	61.3	54.1	7.21	8.497		
1,900.0	1,882.7	1,882.5	1,859.7	4.7	5.0	-17.30	-36.7	190.9	65.4	57.5	7.80	8.374		
2,000.0	1,976.8	1,982.4	1,952.7	5.2	5.6	-17.68	-45.8	226.3	68.4	60.0	8.41	8.138		
2,100.0	2,071.0	2,081.3	2,044.4	5.8	6.3	-18.03	-55.9	261.9	72.6	63.6	9.00	8.075		
2,200.0	2,165.4	2,181.1	2,136.6	6.3	7.1	-15.54	-67.4	298.6	78.0	68.4	9.59	8.135		
2,300.0	2,259.8	2,281.0	2,228.7	6.9	7.8	-13.72	-78.9	335.3	83.5	73.3	10.17	8.215		
2,400.0	2,354.5	2,380.7	2,320.8	7.5	8.6	-12.18	-90.3	371.9	90.0	79.3	10.73	8.387		
2,500.0	2,449.0	2,480.5	2,412.9	8.1	9.4	-14.08	-101.8	408.6	96.1	84.7	11.35	8.462		
2,600.0	2,543.5	2,580.3	2,505.0	8.7	10.2	-13.56	-113.3	445.2	102.5	90.5	12.00	8.538		
2,700.0	2,638.0	2,680.1	2,597.1	9.3	11.0	-12.96	-124.8	481.9	108.5	95.9	12.65	8.577		
2,800.0	2,732.7	2,779.9	2,689.2	9.9	11.8	-14.42	-136.2	518.5	115.5	102.2	13.31	8.679		
2,900.0	2,827.2	2,879.7	2,781.3	10.5	12.6	-14.93	-147.7	555.2	121.8	107.8	14.02	8.687		
3,000.0	2,921.7	2,979.5	2,873.4	11.2	13.4	-13.99	-159.2	591.9	128.3	113.6	14.72	8.716		
3,100.0	3,015.8	3,079.3	2,965.6	11.8	14.2	-11.49	-170.6	628.5	133.3	117.9	15.39	8.662		
3,200.0	3,110.2	3,179.2	3,057.7	12.5	15.0	-15.50	-182.1	665.2	139.4	123.3	16.06	8.677		
3,300.0	3,204.8	3,278.9	3,149.8	13.1	15.8	-14.33	-193.6	701.9	146.0	129.2	16.80	8.690		
3,400.0	3,299.3	3,378.7	3,241.9	13.8	16.6	-16.14	-205.0	738.5	152.6	135.0	17.54	8.699		
3,500.0	3,393.9	3,478.5	3,334.0	14.4	17.5	-16.35	-216.5	775.2	159.5	141.2	18.29	8.721		
3,600.0	3,488.2	3,578.2	3,426.0	15.0	18.3	-18.07	-228.0	811.8	165.8	146.7	19.11	8.675		
3,700.0	3,582.9	3,678.0	3,518.1	15.7	19.1	-16.13	-239.4	848.4	173.1	153.2	19.87	8.708		
3,800.0	3,677.0	3,777.8	3,610.3	16.3	19.9	-14.98	-250.9	885.1	178.2	157.6	20.62	8.646		
3,900.0	3,771.3	3,877.7	3,702.4	17.0	20.7	-13.98	-262.4	921.8	183.7	162.4	21.31	8.618		
4,000.0	3,865.0	3,977.6	3,794.6	17.7	21.6	-11.65	-273.9	958.5	187.5	165.5	21.99	8.529		
4,100.0	3,959.6	4,077.4	3,886.7	18.4	22.4	-8.56	-285.3	995.2	193.7	171.2	22.52	8.602		
4,200.0	4,054.3	4,177.1	3,978.8	19.0	23.2	-14.63	-296.8	1,031.8	200.4	177.2	23.14	8.658		
4,300.0	4,149.2	4,276.8	4,070.8	19.6	24.0	-12.69	-308.3	1,068.4	208.0	184.1	23.83	8.726		
4,400.0	4,244.1	4,376.6	4,162.9	20.2	24.8	-10.46	-319.7	1,105.1	215.1	190.6	24.45	8.795		
4,500.0	4,339.2	4,476.2	4,254.9	20.9	25.7	-10.30	-331.2	1,141.7	222.9	197.9	25.02	8.909		
4,600.0	4,433.6	4,576.1	4,347.0	21.5	26.5	-11.34	-342.7	1,178.3	229.0	203.3	25.69	8.913		
4,700.0	4,528.2	4,675.9	4,439.1	22.2	27.3	-12.82	-354.1	1,215.0	235.3	208.9	26.38	8.919		
4,800.0	4,622.0	4,775.7	4,531.3	22.9	28.1	-13.79	-365.6	1,251.7	239.9	212.7	27.16	8.832		
4,900.0	4,716.6	4,875.5	4,623.4	23.5	29.0	-13.30	-377.1	1,288.3	246.7	218.8	27.90	8.841		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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		
5,000.0	4,811.5	4,975.2	4,715.4	24.1	29.8	-10.30	-388.5	1,325.0	254.0	225.5	28.56	8.895		
5,100.0	4,906.7	5,074.9	4,807.4	24.8	30.6	-10.30	-400.0	1,361.6	262.1	233.0	29.16	8.989		
5,200.0	5,001.7	5,174.6	4,899.4	25.4	31.4	-10.79	-411.4	1,398.2	269.9	240.1	29.80	9.057		
5,300.0	5,095.4	5,274.5	4,991.6	26.1	32.3	-10.62	-422.9	1,434.9	273.9	243.4	30.50	8.982		
5,400.0	5,189.3	5,374.4	5,083.8	26.8	33.1	-10.56	-434.4	1,471.6	278.3	247.1	31.19	8.921		
5,500.0	5,283.8	5,474.2	5,175.9	27.4	33.9	-11.41	-445.9	1,508.3	284.5	252.6	31.87	8.928		
5,600.0	5,378.6	5,573.9	5,268.0	28.1	34.8	-12.32	-457.3	1,544.9	291.7	259.1	32.57	8.955		
5,700.0	5,473.9	5,673.5	5,359.9	28.7	35.6	-15.42	-468.8	1,581.5	300.8	267.5	33.30	9.034		
5,800.0	5,568.6	5,773.2	5,451.9	29.3	36.4	-15.67	-480.2	1,618.1	308.3	274.2	34.13	9.033		
5,900.0	5,662.7	5,873.0	5,544.0	30.0	37.2	-15.30	-491.7	1,654.8	313.7	278.7	35.00	8.964		
6,000.0	5,757.4	5,972.7	5,636.1	30.6	38.1	-14.00	-503.2	1,691.4	320.9	285.2	35.78	8.969		
6,100.0	5,851.6	6,072.6	5,728.2	31.3	38.9	-12.34	-514.7	1,728.1	326.6	290.0	36.53	8.940		
6,200.0	5,946.3	6,172.4	5,820.3	32.0	39.7	-10.89	-526.1	1,764.7	333.3	296.1	37.17	8.966		
6,300.0	6,040.4	6,272.2	5,912.5	32.6	40.5	-11.30	-537.6	1,801.4	338.3	300.5	37.85	8.940		
6,400.0	6,134.6	6,372.1	6,004.6	33.3	41.4	-10.24	-549.1	1,838.1	343.3	304.8	38.52	8.913		
6,500.0	6,229.7	6,471.8	6,096.6	33.9	42.2	-10.87	-560.5	1,874.7	351.3	312.2	39.12	8.982		
6,600.0	6,325.2	6,571.3	6,188.5	34.5	43.0	-12.91	-572.0	1,911.3	360.7	320.9	39.76	9.071		
6,700.0	6,419.6	6,671.1	6,280.6	35.2	43.9	-12.71	-583.4	1,947.9	366.9	326.4	40.51	9.058		
6,800.0	6,513.4	6,771.0	6,372.8	35.9	44.7	-11.19	-594.9	1,984.6	371.3	330.1	41.25	9.001		
6,900.0	6,608.1	6,870.8	6,464.9	36.5	45.5	-2.86	-606.4	2,021.3	377.7	335.8	41.86	9.023		
7,000.0	6,702.4	6,969.6	6,556.1	37.1	46.3	24.74	-617.7	2,057.6	383.9	342.1	41.74	9.197		
7,100.0	6,795.1	7,064.7	6,643.9	37.6	47.1	49.31	-628.7	2,092.5	393.8	352.6	41.19	9.559		
7,200.0	6,885.3	7,154.0	6,726.3	38.0	47.9	69.70	-638.9	2,125.3	413.2	371.8	41.48	9.963		
7,300.0	6,970.3	7,235.4	6,801.5	38.2	48.5	79.41	-648.3	2,155.2	443.6	400.0	43.62	10.168		
7,400.0	7,048.8	7,344.5	6,902.5	38.4	49.3	85.12	-653.9	2,195.5	478.6	431.1	47.55	10.065		
7,500.0	7,118.1	7,476.5	7,024.3	38.6	50.1	93.12	-638.6	2,243.9	512.9	461.7	51.30	10.000		
7,600.0	7,180.0	7,638.0	7,166.3	38.9	50.8	99.62	-587.8	2,300.4	543.1	490.6	52.54	10.337		
7,700.0	7,230.4	7,829.8	7,316.1	39.0	51.4	107.98	-485.0	2,360.0	570.6	520.9	49.76	11.468		
7,800.0	7,267.4	8,053.9	7,451.7	39.1	51.7	112.87	-316.0	2,414.0	594.5	551.8	42.72	13.915		
7,800.4	7,267.5	8,055.0	7,452.2	39.1	51.7	112.88	-315.1	2,414.2	594.6	551.9	42.69	13.929		
7,900.0	7,282.6	8,306.4	7,538.2	39.1	51.8	115.37	-82.8	2,448.5	610.9	575.2	35.72	17.103		
7,917.6	7,284.1	8,353.6	7,545.7	39.1	51.8	115.62	-36.3	2,451.4	612.0	576.9	35.15	17.410		
8,000.0	7,288.2	8,498.1	7,552.0	39.2	51.7	115.53	107.9	2,453.9	610.8	575.2	35.55	17.179		
8,023.3	7,289.3	8,521.4	7,552.0	39.2	51.6	115.46	131.2	2,453.9	610.0	574.3	35.74	17.069		
8,100.0	7,292.6	8,598.0	7,552.0	39.3	51.6	115.23	207.8	2,453.9	607.9	571.6	36.35	16.724		
8,122.8	7,293.5	8,620.7	7,552.0	39.3	51.6	115.16	230.5	2,453.9	607.4	570.8	36.60	16.594		
8,200.0	7,296.4	8,697.9	7,552.0	39.4	51.6	114.93	307.7	2,453.9	605.9	568.4	37.47	16.170		
8,222.3	7,297.2	8,720.1	7,552.0	39.5	51.6	114.87	329.9	2,453.9	605.5	567.7	37.76	16.034		
8,300.0	7,299.2	8,797.8	7,552.0	39.7	51.7	114.73	407.7	2,453.9	604.2	565.4	38.77	15.585		
8,322.1	7,299.6	8,819.9	7,552.0	39.7	51.7	114.70	429.7	2,453.9	603.9	564.8	39.11	15.442		
8,400.0	7,300.7	8,897.8	7,552.0	40.0	51.7	114.62	507.6	2,453.9	603.1	562.8	40.30	14.963		
8,471.8	7,301.2	8,969.6	7,552.0	40.2	51.8	114.59	579.4	2,453.9	602.7	561.1	41.59	14.492		
8,500.0	7,301.3	8,997.8	7,552.0	40.4	51.9	114.58	607.6	2,453.9	602.7	560.6	42.09	14.320		
8,521.0	7,301.2	9,018.9	7,552.0	40.4	51.9	114.59	628.7	2,453.9	602.7	560.2	42.48	14.188		
8,600.0	7,300.1	9,097.8	7,552.0	40.8	52.1	114.71	707.6	2,453.9	602.6	558.7	43.90	13.726		
8,614.1	7,299.9	9,111.9	7,552.0	40.9	52.1	114.73	721.7	2,453.9	602.6	558.4	44.18	13.640		
8,700.0	7,298.2	9,197.8	7,552.0	41.4	52.3	114.90	807.6	2,453.9	602.7	556.8	45.88	13.136		
8,770.9	7,296.7	9,268.6	7,552.0	41.8	52.5	115.09	878.4	2,454.0	602.5	555.2	47.36	12.722		
8,800.0	7,295.8	9,297.8	7,552.0	42.0	52.6	115.17	907.6	2,454.0	603.0	555.0	47.97	12.570		
8,823.2	7,295.4	9,320.9	7,552.0	42.2	52.7	115.23	930.7	2,454.0	602.5	554.1	48.43	12.441		
8,900.0	7,294.9	9,397.7	7,552.0	42.7	53.0	115.39	1,007.5	2,454.0	599.8	549.8	49.98	12.001		
8,923.0	7,295.0	9,420.7	7,552.0	42.9	53.1	115.40	1,030.5	2,454.0	599.1	548.6	50.50	11.864		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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		
9,000.0	7,295.8	9,497.6	7,552.0	43.5	53.4	115.40	1,107.4	2,454.0	597.2	544.9	52.27	11.425		
9,022.6	7,296.0	9,520.2	7,552.0	43.7	53.5	115.41	1,130.0	2,454.0	596.7	543.8	52.86	11.288		
9,100.0	7,296.4	9,597.6	7,552.0	44.4	53.9	115.44	1,207.4	2,454.0	595.0	540.2	54.86	10.847		
9,122.4	7,296.5	9,620.1	7,552.0	44.6	54.0	115.45	1,229.9	2,454.0	594.6	539.1	55.46	10.721		
9,200.0	7,296.7	9,697.6	7,552.0	45.3	54.5	115.51	1,307.4	2,454.0	593.0	535.5	57.52	10.310		
9,222.4	7,296.7	9,720.0	7,552.0	45.9	54.6	115.52	1,329.8	2,454.0	592.6	534.5	58.11	10.198		
9,300.0	7,296.7	9,797.6	7,552.0	47.7	55.1	115.56	1,407.4	2,454.0	591.7	531.5	60.18	9.832		
9,311.8	7,296.9	9,809.4	7,552.0	47.8	55.2	115.55	1,419.2	2,454.0	591.7	531.2	60.47	9.784		
9,400.0	7,300.4	9,897.4	7,552.0	48.4	55.9	115.30	1,507.2	2,454.0	593.1	530.2	62.84	9.438		
9,403.1	7,300.6	9,900.5	7,552.0	48.4	55.9	115.28	1,510.3	2,454.0	593.2	530.3	62.93	9.426		
9,500.0	7,306.8	9,996.9	7,552.0	49.0	56.6	114.51	1,606.7	2,454.0	597.8	531.9	65.87	9.075		
9,502.1	7,307.0	9,999.0	7,552.0	49.0	56.7	114.50	1,608.8	2,454.0	597.9	532.0	65.93	9.068		
9,600.0	7,313.1	10,096.3	7,552.0	49.7	57.5	113.63	1,706.1	2,454.0	603.2	534.2	68.98	8.744		
9,601.9	7,313.3	10,098.2	7,552.0	49.7	57.5	113.62	1,708.0	2,454.0	603.3	534.3	69.04	8.738		
9,700.0	7,319.4	10,195.7	7,552.0	50.4	58.4	112.76	1,805.5	2,454.0	608.8	536.6	72.19	8.433		
9,701.6	7,319.5	10,197.4	7,552.0	50.5	58.4	112.75	1,807.2	2,454.0	608.8	536.6	72.24	8.428		
9,800.0	7,325.7	10,295.2	7,552.0	51.2	59.4	111.91	1,905.0	2,454.0	614.4	539.0	75.48	8.141		
9,801.3	7,325.8	10,296.4	7,552.0	51.2	59.4	111.90	1,906.3	2,454.0	614.5	539.0	75.52	8.137		
9,900.0	7,331.5	10,394.7	7,552.0	52.0	60.5	111.01	2,004.5	2,454.0	619.6	540.8	78.78	7.865		
9,902.7	7,331.6	10,397.3	7,552.0	52.1	60.5	110.99	2,007.1	2,454.0	619.7	540.9	78.86	7.858		
10,000.0	7,334.9	10,494.5	7,552.0	52.9	61.6	110.44	2,104.3	2,454.0	622.4	540.5	81.94	7.596		
10,000.0	7,334.9	10,494.5	7,552.0	52.9	61.6	110.44	2,104.4	2,454.0	622.4	540.5	81.94	7.596		
10,100.0	7,336.0	10,594.5	7,552.0	53.9	62.8	110.30	2,204.3	2,454.0	622.6	537.6	84.95	7.329		
10,121.9	7,336.0	10,616.4	7,552.0	54.1	63.0	110.31	2,226.3	2,454.0	622.4	536.8	85.60	7.271		
10,200.0	7,336.0	10,694.5	7,552.0	55.0	64.0	110.34	2,304.3	2,454.0	621.6	533.7	87.92	7.070		
10,221.9	7,336.0	10,716.4	7,552.0	55.2	64.3	110.34	2,326.3	2,454.0	621.4	532.8	88.58	7.015		
10,300.0	7,336.0	10,794.5	7,552.0	56.0	65.3	110.37	2,404.3	2,454.0	620.6	529.7	90.93	6.825		
10,321.9	7,336.0	10,816.4	7,552.0	56.3	65.6	110.38	2,426.2	2,454.0	620.4	528.8	91.60	6.773		
10,400.0	7,336.0	10,894.5	7,552.0	57.1	66.6	110.40	2,504.3	2,454.0	619.6	525.6	93.98	6.593		
10,421.9	7,336.0	10,916.4	7,552.0	57.4	66.9	110.41	2,526.2	2,454.0	619.4	524.7	94.66	6.543		
10,500.0	7,336.0	10,994.5	7,552.0	58.3	67.9	110.44	2,604.3	2,454.0	618.6	521.5	97.07	6.373		
10,521.9	7,336.0	11,016.4	7,552.0	58.6	68.2	110.45	2,626.2	2,454.0	618.4	520.6	97.75	6.326		
10,600.0	7,336.0	11,094.5	7,552.0	59.5	69.3	110.47	2,704.3	2,454.0	617.6	517.4	100.19	6.164		
10,621.9	7,336.0	11,116.4	7,552.0	59.8	69.6	110.48	2,726.2	2,454.0	617.4	516.5	100.88	6.120		
10,700.0	7,336.0	11,194.5	7,552.0	60.7	70.8	110.51	2,804.3	2,454.0	616.6	513.3	103.34	5.967		
10,721.9	7,336.0	11,216.4	7,552.0	61.0	71.1	110.51	2,826.2	2,454.0	616.4	512.3	104.04	5.924		
10,800.0	7,336.0	11,294.5	7,552.0	62.0	72.2	110.54	2,904.3	2,454.0	615.6	509.1	106.52	5.779		
10,821.9	7,336.0	11,316.4	7,552.0	62.3	72.5	110.55	2,926.2	2,454.0	615.4	508.2	107.23	5.739		
10,900.0	7,336.0	11,394.5	7,552.0	63.3	73.7	110.58	3,004.3	2,454.0	614.6	504.9	109.73	5.601		
10,921.9	7,336.0	11,416.4	7,552.0	63.6	74.0	110.58	3,026.2	2,454.0	614.4	504.0	110.44	5.563		
11,000.0	7,336.0	11,494.5	7,552.0	64.6	75.2	110.61	3,104.3	2,454.0	613.6	500.7	112.95	5.432		
11,021.9	7,336.0	11,516.4	7,552.0	64.9	75.6	110.62	3,126.2	2,454.0	613.4	499.7	113.67	5.396		
11,100.0	7,336.0	11,594.5	7,552.0	66.0	76.8	110.65	3,204.3	2,454.0	612.6	496.4	116.20	5.272		
11,121.9	7,336.0	11,616.4	7,552.0	66.3	77.1	110.65	3,226.2	2,454.0	612.4	495.5	116.92	5.238		
11,200.0	7,336.0	11,694.4	7,552.0	67.4	78.3	110.68	3,304.3	2,454.0	611.6	492.2	119.47	5.120		
11,221.9	7,336.0	11,716.4	7,552.0	67.7	78.7	110.69	3,326.2	2,454.0	611.4	491.2	120.19	5.087		
11,300.0	7,336.0	11,794.4	7,552.0	68.8	79.9	110.72	3,404.2	2,454.0	610.6	487.9	122.75	4.975		
11,321.9	7,336.0	11,816.4	7,552.0	69.1	80.2	110.72	3,426.2	2,454.0	610.4	486.9	123.47	4.944		
11,400.0	7,336.0	11,894.4	7,552.0	70.3	81.5	110.75	3,504.2	2,454.0	609.6	483.6	126.05	4.836		
11,421.9	7,336.0	11,916.4	7,552.0	70.6	81.8	110.76	3,526.2	2,454.0	609.4	482.6	126.78	4.807		
11,500.0	7,336.0	11,994.4	7,552.0	71.7	83.1	110.79	3,604.2	2,454.0	608.6	479.3	129.36	4.705		
11,521.9	7,336.0	12,016.3	7,552.0	72.1	83.4	110.80	3,626.2	2,454.0	608.4	478.3	130.09	4.677		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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		
11,600.0	7,336.0	12,094.4	7,552.0	73.2	84.7	110.82	3,704.2	2,454.0	607.6	475.0	132.69	4.580		
11,621.9	7,336.0	12,116.3	7,552.0	73.6	85.1	110.83	3,726.1	2,454.0	607.4	474.0	133.42	4.553		
11,700.0	7,336.0	12,194.4	7,552.0	74.8	86.4	110.86	3,804.2	2,454.0	606.7	470.6	136.02	4.460		
11,721.9	7,336.0	12,216.3	7,552.0	75.1	86.7	110.87	3,826.1	2,454.0	606.4	469.7	136.76	4.434		
11,800.0	7,336.0	12,294.4	7,552.0	76.3	88.0	110.89	3,904.2	2,454.0	605.7	466.3	139.37	4.346		
11,821.9	7,336.0	12,316.3	7,552.0	76.6	88.4	110.90	3,926.1	2,454.0	605.4	465.3	140.11	4.321		
11,900.0	7,336.0	12,394.4	7,552.0	77.8	89.7	110.93	4,004.2	2,454.0	604.7	461.9	142.73	4.236		
11,921.9	7,336.0	12,416.3	7,552.0	78.2	90.0	110.94	4,026.1	2,454.0	604.4	461.0	143.47	4.213		
12,000.0	7,336.0	12,494.4	7,552.0	79.4	91.4	110.97	4,104.2	2,454.0	603.7	457.6	146.10	4.132		
12,021.9	7,336.0	12,516.3	7,552.0	79.8	91.7	110.97	4,126.1	2,454.0	603.5	456.6	146.84	4.110		
12,100.0	7,336.0	12,594.4	7,552.0	81.0	93.0	111.00	4,204.2	2,454.0	602.7	453.2	149.47	4.032		
12,121.9	7,336.0	12,616.3	7,552.0	81.4	93.4	111.01	4,226.1	2,454.0	602.5	452.2	150.21	4.011		
12,200.0	7,336.0	12,694.4	7,552.0	82.6	94.7	111.04	4,304.2	2,454.0	601.7	448.8	152.86	3.936		
12,221.9	7,336.0	12,716.3	7,552.0	83.0	95.1	111.05	4,326.1	2,454.0	601.5	447.9	153.60	3.916		
12,300.0	7,336.0	12,794.4	7,552.0	84.2	96.4	111.08	4,404.2	2,454.0	600.7	444.4	156.25	3.845		
12,321.9	7,336.0	12,816.3	7,552.0	84.6	96.8	111.08	4,426.1	2,454.0	600.5	443.5	156.99	3.825		
12,400.0	7,336.0	12,894.4	7,552.0	85.9	98.2	111.11	4,504.2	2,454.0	599.7	440.1	159.64	3.757		
12,421.9	7,336.0	12,916.3	7,552.0	86.2	98.5	111.12	4,526.1	2,454.0	599.5	439.1	160.39	3.738		
12,500.0	7,336.0	12,994.4	7,552.0	87.5	99.9	111.15	4,604.2	2,454.0	598.7	435.7	163.05	3.672		
12,521.9	7,336.0	13,016.3	7,552.0	87.9	100.3	111.16	4,626.1	2,454.0	598.5	434.7	163.79	3.654		
12,600.0	7,336.0	13,094.4	7,552.0	89.2	101.6	111.19	4,704.2	2,454.0	597.7	431.3	166.45	3.591		
12,621.9	7,336.0	13,116.3	7,552.0	89.5	102.0	111.19	4,726.1	2,454.0	597.5	430.3	167.20	3.574		
12,700.0	7,336.0	13,194.4	7,552.0	90.8	103.4	111.22	4,804.2	2,454.0	596.7	426.9	169.87	3.513		
12,721.9	7,336.0	13,216.3	7,552.0	91.2	103.7	111.23	4,826.1	2,454.0	596.5	425.9	170.61	3.496		
12,800.0	7,336.0	13,294.4	7,552.0	92.5	105.1	111.26	4,904.2	2,454.0	595.7	422.5	173.28	3.438		
12,821.9	7,336.0	13,316.3	7,552.0	92.9	105.5	111.27	4,926.1	2,454.0	595.5	421.5	174.03	3.422		
12,900.0	7,336.0	13,394.3	7,552.0	94.2	106.9	111.30	5,004.2	2,454.0	594.7	418.0	176.71	3.366		
12,921.9	7,336.0	13,416.2	7,552.0	94.6	107.2	111.31	5,026.1	2,454.0	594.5	417.1	177.46	3.350		
13,000.0	7,336.0	13,494.3	7,552.0	95.9	108.6	111.33	5,104.2	2,454.0	593.8	413.6	180.13	3.296		
13,021.9	7,336.0	13,516.2	7,552.0	96.3	109.0	111.34	5,126.0	2,454.0	593.5	412.7	180.88	3.281		
13,100.0	7,336.0	13,594.3	7,552.0	97.6	110.4	111.37	5,204.1	2,454.0	592.8	409.2	183.56	3.229		
13,121.9	7,336.0	13,616.2	7,552.0	98.0	110.8	111.38	5,226.0	2,454.0	592.5	408.2	184.31	3.215		
13,200.0	7,336.0	13,694.3	7,552.0	99.3	112.1	111.41	5,304.1	2,454.0	591.8	404.8	186.99	3.165		
13,221.9	7,336.0	13,716.2	7,552.0	99.7	112.5	111.42	5,326.0	2,454.0	591.6	403.8	187.74	3.151		
13,300.0	7,336.0	13,794.3	7,552.0	101.0	113.9	111.45	5,404.1	2,454.0	590.8	400.4	190.43	3.102		
13,321.9	7,336.0	13,816.2	7,552.0	101.4	114.3	111.45	5,426.0	2,454.0	590.6	399.4	191.18	3.089		
13,400.0	7,336.0	13,894.3	7,552.0	102.8	115.7	111.48	5,504.1	2,454.0	589.8	395.9	193.86	3.042		
13,421.9	7,336.0	13,916.2	7,552.0	103.2	116.1	111.49	5,526.0	2,454.0	589.6	395.0	194.62	3.029		
13,500.0	7,336.0	13,994.3	7,552.0	104.5	117.5	111.52	5,604.1	2,454.0	588.8	391.5	197.30	2.984		
13,521.9	7,336.0	14,016.2	7,552.0	104.9	117.9	111.53	5,626.0	2,454.0	588.6	390.5	198.06	2.972		
13,600.0	7,336.0	14,094.3	7,552.0	106.3	119.3	111.56	5,704.1	2,454.0	587.8	387.1	200.75	2.928		
13,621.9	7,336.0	14,116.2	7,552.0	106.6	119.6	111.57	5,726.0	2,454.0	587.6	386.1	201.50	2.916		
13,700.0	7,336.0	14,194.3	7,552.0	108.0	121.0	111.60	5,804.1	2,454.0	586.8	382.6	204.19	2.874		
13,721.9	7,336.0	14,216.2	7,552.0	108.4	121.4	111.61	5,826.0	2,454.0	586.6	381.7	204.94	2.862		
13,800.0	7,336.0	14,294.3	7,552.0	109.8	122.8	111.64	5,904.1	2,454.0	585.8	378.2	207.64	2.821		
13,821.9	7,336.0	14,316.2	7,552.0	110.2	123.2	111.65	5,926.0	2,454.0	585.6	377.2	208.39	2.810		
13,900.0	7,336.0	14,394.3	7,552.0	111.5	124.6	111.68	6,004.1	2,454.0	584.8	373.8	211.08	2.771		
13,921.9	7,336.0	14,416.2	7,552.0	111.9	125.0	111.68	6,026.0	2,454.0	584.6	372.8	211.84	2.760		
14,000.0	7,336.0	14,494.3	7,552.0	113.3	126.4	111.71	6,104.1	2,454.0	583.9	369.3	214.53	2.722		
14,021.9	7,336.0	14,516.2	7,552.0	113.7	126.8	111.72	6,126.0	2,454.0	583.6	368.4	215.29	2.711		
14,100.0	7,336.0	14,594.3	7,552.0	115.1	128.2	111.75	6,204.1	2,454.0	582.9	364.9	217.98	2.674		
14,121.9	7,336.0	14,616.2	7,552.0	115.5	128.6	111.76	6,226.0	2,454.0	582.7	363.9	218.74	2.664		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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		
14,200.0	7,336.0	14,694.3	7,552.0	116.8	130.1	111.79	6,304.1	2,454.0	581.9	360.4	221.43	2.628		
14,221.9	7,336.0	14,716.1	7,552.0	117.2	130.5	111.80	6,326.0	2,454.0	581.7	359.5	222.19	2.618		
14,300.0	7,336.0	14,794.3	7,552.0	118.6	131.9	111.83	6,404.1	2,454.0	580.9	356.0	224.88	2.583		
14,321.9	7,336.0	14,816.1	7,552.0	119.0	132.3	111.84	6,426.0	2,454.0	580.7	355.0	225.64	2.573		
14,400.0	7,336.0	14,894.3	7,552.0	120.4	133.7	111.87	6,504.1	2,454.0	579.9	351.6	228.34	2.540		
14,421.9	7,336.0	14,916.1	7,552.0	120.8	134.1	111.88	6,525.9	2,454.0	579.7	350.6	229.09	2.530		
14,500.0	7,336.0	14,994.3	7,552.0	122.2	135.5	111.91	6,604.1	2,454.0	578.9	347.1	231.79	2.498		
14,521.9	7,336.0	15,016.1	7,552.0	122.6	135.9	111.92	6,625.9	2,454.0	578.7	346.2	232.54	2.489		
14,600.0	7,336.0	15,094.3	7,552.0	124.0	137.3	111.95	6,704.1	2,454.0	577.9	342.7	235.24	2.457		
14,621.9	7,336.0	15,116.1	7,552.0	124.4	137.7	111.96	6,725.9	2,454.0	577.7	341.7	236.00	2.448		
14,700.0	7,336.0	15,194.2	7,552.0	125.8	139.1	111.99	6,804.1	2,454.0	576.9	338.2	238.70	2.417		
14,721.9	7,336.0	15,216.1	7,552.0	126.2	139.5	112.00	6,825.9	2,454.0	576.7	337.3	239.45	2.409		
14,800.0	7,336.0	15,294.2	7,552.0	127.6	141.0	112.03	6,904.1	2,454.0	576.0	333.8	242.15	2.379		
14,821.9	7,336.0	15,316.1	7,552.0	128.0	141.4	112.04	6,925.9	2,454.0	575.7	332.8	242.91	2.370		
14,900.0	7,336.0	15,394.2	7,552.0	129.4	142.8	112.07	7,004.0	2,454.0	575.0	329.4	245.60	2.341		
14,921.9	7,336.0	15,416.1	7,552.0	129.8	143.2	112.08	7,025.9	2,454.0	574.8	328.4	246.36	2.333		
15,000.0	7,336.0	15,494.2	7,552.0	131.2	144.6	112.11	7,104.0	2,454.0	574.0	324.9	249.06	2.305		
15,021.9	7,336.0	15,516.1	7,552.0	131.6	145.0	112.12	7,125.9	2,454.0	573.8	324.0	249.81	2.297		
15,100.0	7,336.0	15,594.2	7,552.0	133.0	146.5	112.15	7,204.0	2,454.0	573.0	320.5	252.51	2.269		
15,121.9	7,336.0	15,616.1	7,552.0	133.4	146.9	112.16	7,225.9	2,454.0	572.8	319.5	253.27	2.262		
15,200.0	7,336.0	15,694.2	7,552.0	134.8	148.3	112.19	7,304.0	2,454.0	572.0	316.0	255.97	2.235		
15,221.9	7,336.0	15,716.1	7,552.0	135.2	148.7	112.20	7,325.9	2,454.0	571.8	315.1	256.72	2.227		
15,300.0	7,336.0	15,794.2	7,552.0	136.7	150.1	112.23	7,404.0	2,454.0	571.0	311.6	259.42	2.201		
15,321.9	7,336.0	15,816.1	7,552.0	137.1	150.5	112.24	7,425.9	2,454.0	570.8	310.6	260.18	2.194		
15,400.0	7,336.0	15,894.2	7,552.0	138.5	152.0	112.27	7,504.0	2,454.0	570.0	307.2	262.87	2.169		
15,421.9	7,336.0	15,916.1	7,552.0	138.9	152.4	112.28	7,525.9	2,454.0	569.8	306.2	263.63	2.161		
15,500.0	7,336.0	15,994.2	7,552.0	140.3	153.8	112.31	7,604.0	2,454.0	569.1	302.7	266.33	2.137		
15,521.9	7,336.0	16,016.1	7,552.0	140.7	154.2	112.32	7,625.9	2,454.0	568.8	301.8	267.08	2.130		
15,600.0	7,336.0	16,094.2	7,552.0	142.1	155.6	112.35	7,704.0	2,454.0	568.1	298.3	269.78	2.106		
15,621.9	7,336.0	16,116.0	7,552.0	142.5	156.0	112.36	7,725.9	2,454.0	567.9	297.3	270.53	2.099		
15,700.0	7,336.0	16,194.2	7,552.0	144.0	157.5	112.39	7,804.0	2,454.0	567.1	293.9	273.23	2.076		
15,721.9	7,336.0	16,216.0	7,552.0	144.4	157.9	112.40	7,825.9	2,454.0	566.9	292.9	273.99	2.069		
15,800.0	7,336.0	16,294.2	7,552.0	145.8	159.3	112.43	7,904.0	2,454.0	566.1	289.4	276.68	2.046		
15,821.9	7,336.0	16,316.0	7,552.0	146.2	159.7	112.44	7,925.8	2,454.0	565.9	288.5	277.44	2.040		
15,900.0	7,336.0	16,394.2	7,552.0	147.6	161.2	112.47	8,004.0	2,454.0	565.1	285.0	280.13	2.017		
15,921.9	7,336.0	16,416.0	7,552.0	148.0	161.6	112.48	8,025.8	2,454.0	564.9	284.0	280.89	2.011		
16,000.0	7,336.0	16,494.2	7,552.0	149.4	163.0	112.51	8,104.0	2,454.0	564.1	280.6	283.58	1.989		
16,021.9	7,336.0	16,516.0	7,552.0	149.8	163.4	112.52	8,125.8	2,454.0	563.9	279.6	284.34	1.983		
16,100.0	7,336.0	16,594.2	7,552.0	151.3	164.9	112.55	8,204.0	2,454.0	563.2	276.1	287.03	1.962		
16,121.9	7,336.0	16,616.0	7,552.0	151.7	165.3	112.56	8,225.8	2,454.0	562.9	275.2	287.78	1.956		
16,200.0	7,336.0	16,694.2	7,552.0	153.1	166.7	112.60	8,304.0	2,454.0	562.2	271.7	290.48	1.935		
16,221.9	7,336.0	16,716.0	7,552.0	153.5	167.1	112.61	8,325.8	2,454.0	562.0	270.7	291.23	1.930		
16,300.0	7,336.0	16,794.2	7,552.0	155.0	168.6	112.64	8,404.0	2,454.0	561.2	267.3	293.92	1.909		
16,321.9	7,336.0	16,816.0	7,552.0	155.4	169.0	112.65	8,425.8	2,454.0	561.0	266.3	294.68	1.904		
16,400.0	7,336.0	16,894.2	7,552.0	156.8	170.4	112.68	8,504.0	2,454.0	560.2	262.8	297.37	1.884		
16,421.9	7,336.0	16,916.0	7,552.0	157.2	170.8	112.69	8,525.8	2,454.0	560.0	261.9	298.12	1.878		
16,500.0	7,336.0	16,994.1	7,552.0	158.6	172.3	112.72	8,604.0	2,454.0	559.2	258.4	300.82	1.859		
16,521.9	7,336.0	17,016.0	7,552.0	159.1	172.7	112.73	8,625.8	2,454.0	559.0	257.5	301.57	1.854		
16,600.0	7,336.0	17,094.1	7,552.0	160.5	174.1	112.76	8,704.0	2,454.0	558.3	254.0	304.26	1.835		
16,621.9	7,336.0	17,116.0	7,552.0	160.9	174.5	112.77	8,725.8	2,454.0	558.0	253.0	305.01	1.830		
16,700.0	7,336.0	17,194.1	7,552.0	162.3	176.0	112.81	8,803.9	2,454.0	557.3	249.6	307.70	1.811		
16,721.9	7,336.0	17,216.0	7,552.0	162.7	176.4	112.82	8,825.8	2,454.0	557.1	248.6	308.45	1.806		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-2NCH - Brighton Lakes 20-17-2 NCH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1895-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		
16,800.0	7,336.0	17,294.1	7,552.0	164.2	177.9	112.85	8,903.9	2,454.0	556.3	245.2	311.14	1.788		
16,821.8	7,336.0	17,316.0	7,552.0	164.6	178.3	112.86	8,925.8	2,454.0	556.1	244.2	311.89	1.783		
16,900.0	7,336.0	17,394.1	7,552.0	166.0	179.7	112.89	9,003.9	2,454.0	555.3	240.7	314.58	1.765		
16,921.8	7,336.0	17,416.0	7,552.0	166.4	180.1	112.90	9,025.8	2,454.0	555.1	239.8	315.33	1.760		
17,000.0	7,336.0	17,494.1	7,552.0	167.9	181.6	112.93	9,103.9	2,454.0	554.3	236.3	318.02	1.743		
17,021.8	7,336.0	17,515.9	7,552.0	168.3	182.0	112.94	9,125.8	2,454.0	554.1	235.4	318.77	1.738		
17,100.0	7,336.0	17,594.1	7,552.0	169.7	183.4	112.98	9,203.9	2,454.0	553.4	231.9	321.46	1.721		
17,121.8	7,336.0	17,615.9	7,552.0	170.1	183.8	112.99	9,225.7	2,454.0	553.1	230.9	322.21	1.717		
17,200.0	7,336.0	17,694.1	7,552.0	171.6	185.3	113.02	9,303.9	2,454.0	552.4	227.5	324.89	1.700		
17,221.8	7,336.0	17,715.9	7,552.0	172.0	185.7	113.03	9,325.7	2,454.0	552.2	226.5	325.64	1.696		
17,300.0	7,336.0	17,794.1	7,552.0	173.5	187.2	113.06	9,403.9	2,454.0	551.4	223.1	328.33	1.679		
17,321.8	7,336.0	17,815.9	7,552.0	173.9	187.6	113.07	9,425.7	2,454.0	551.2	222.1	329.07	1.675		
17,400.0	7,336.0	17,894.1	7,552.0	175.3	189.0	113.11	9,503.9	2,454.0	550.4	218.7	331.76	1.659		
17,421.8	7,336.0	17,915.9	7,552.0	175.7	189.4	113.12	9,525.7	2,454.0	550.2	217.7	332.51	1.655		
17,500.0	7,336.0	17,994.1	7,552.0	177.2	190.9	113.15	9,603.9	2,454.0	549.4	214.3	335.19	1.639		
17,521.2	7,336.0	18,015.3	7,552.0	177.6	191.3	113.16	9,625.1	2,454.0	549.2	213.3	335.91	1.635		
17,597.1	7,336.0	18,091.2	7,552.0	179.0	192.7	113.19	9,701.0	2,454.0	548.5	210.0	338.52	1.620 SF		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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	0.5	0.5	0.0	0.0	89.93	0.0	14.0	14.0					
100.0	100.0	100.5	100.5	0.1	0.1	-21.27	0.2	13.8	13.5	13.3	0.18	73.703		
200.0	200.0	200.5	200.5	0.3	0.3	-38.11	0.6	13.4	12.1	11.6	0.54	22.521		
300.0	300.0	300.5	300.5	0.5	0.5	-42.41	1.5	13.0	10.8	9.8	0.97	11.177		
400.0	400.0	400.6	400.5	0.7	0.7	-35.87	2.6	12.1	9.4	8.0	1.38	6.821		
489.0	488.9	489.5	489.4	0.9	0.9	109.51	2.9	11.5	8.7	7.0	1.73	5.034		
500.0	500.0	500.5	500.5	0.9	0.9	126.37	2.9	11.5	8.7	6.9	1.78	4.886 CC, ES		
600.0	600.0	600.4	600.4	1.1	1.1	139.81	2.9	12.2	10.1	8.0	2.19	4.629		
700.0	700.0	700.3	700.3	1.3	1.3	146.36	2.8	13.4	12.5	9.9	2.61	4.799		
800.0	799.9	800.3	800.3	1.5	1.5	129.04	2.8	14.6	15.1	12.0	3.03	4.976		
900.0	899.9	900.3	900.3	1.7	1.7	30.53	2.8	15.8	16.1	12.7	3.45	4.677		
1,000.0	999.9	1,000.3	1,000.2	1.9	1.9	30.82	2.5	17.0	17.0	13.1	3.87	4.388		
1,100.0	1,099.9	1,100.1	1,100.1	2.1	2.1	44.10	2.2	18.8	18.1	13.8	4.29	4.229		
1,200.0	1,199.9	1,199.7	1,199.6	2.4	2.4	25.52	1.4	21.7	19.8	15.1	4.71	4.197		
1,300.0	1,299.8	1,298.8	1,298.4	2.6	2.6	0.35	-0.1	27.7	22.3	17.2	5.14	4.347		
1,400.0	1,399.5	1,397.5	1,396.6	2.8	2.8	-9.16	-2.8	38.6	25.4	19.9	5.56	4.572		
1,500.0	1,498.6	1,496.5	1,494.4	3.0	3.1	-12.91	-7.2	53.3	27.4	21.4	5.98	4.583		
1,600.0	1,596.6	1,595.1	1,590.9	3.3	3.4	-13.89	-13.1	71.9	28.0	21.6	6.40	4.368		
1,700.0	1,693.3	1,693.4	1,685.9	3.7	3.8	-15.84	-20.1	96.1	28.3	21.4	6.84	4.136		
1,800.0	1,788.4	1,791.8	1,779.4	4.2	4.3	-16.80	-28.9	125.7	29.2	21.9	7.31	3.997		
1,900.0	1,882.7	1,891.7	1,873.1	4.7	4.8	-14.59	-39.3	158.6	30.6	22.7	7.87	3.884		
2,000.0	1,976.8	1,991.7	1,966.9	5.2	5.4	-12.83	-49.8	191.5	31.0	22.7	8.38	3.703		
2,100.0	2,071.0	2,091.8	2,061.0	5.8	5.9	-13.13	-60.0	224.3	31.7	22.8	8.93	3.553		
2,200.0	2,165.4	2,191.9	2,155.3	6.3	6.5	-12.06	-69.8	256.5	32.3	22.7	9.50	3.394		
2,300.0	2,259.8	2,292.1	2,249.7	6.9	7.1	-11.60	-79.2	288.6	32.6	22.5	10.08	3.234		
2,400.0	2,354.5	2,391.6	2,343.3	7.5	7.7	-8.71	-89.7	320.7	34.3	23.8	10.54	3.258		
2,500.0	2,449.0	2,491.9	2,437.5	8.1	8.4	-9.18	-101.4	353.0	35.8	24.7	11.08	3.231		
2,600.0	2,543.5	2,592.3	2,532.2	8.7	9.0	-8.58	-112.3	384.7	36.6	25.0	11.68	3.138		
2,700.0	2,638.0	2,692.6	2,627.2	9.3	9.6	-8.26	-122.6	415.0	35.6	23.3	12.28	2.900		
2,725.5	2,662.1	2,718.0	2,651.3	9.4	9.8	-8.30	-125.5	422.7	35.6	23.2	12.41	2.867		
2,800.0	2,732.7	2,792.8	2,722.0	9.9	10.2	-7.90	-134.4	445.2	35.9	23.0	12.81	2.799		
2,889.2	2,817.1	2,881.9	2,806.7	10.5	10.8	-7.53	-144.6	471.2	34.6	21.3	13.32	2.598		
2,900.0	2,827.2	2,892.6	2,816.8	10.5	10.8	-7.79	-145.9	474.3	34.2	20.8	13.39	2.550		
3,000.0	2,921.7	2,991.9	2,910.4	11.2	11.5	-3.85	-158.8	504.8	34.7	20.8	13.89	2.497		
3,100.0	3,015.8	3,092.1	3,004.5	11.8	12.2	1.27	-171.2	536.9	35.2	20.7	14.48	2.431		
3,200.0	3,110.2	3,191.6	3,098.2	12.5	12.8	-2.45	-182.3	568.6	36.1	21.0	15.06	2.395		
3,300.0	3,204.8	3,291.9	3,192.3	13.1	13.5	-3.00	-193.4	601.5	38.2	22.6	15.69	2.437		
3,400.0	3,299.3	3,391.2	3,285.4	13.8	14.2	-7.37	-203.7	634.2	40.4	24.1	16.35	2.472		
3,500.0	3,393.9	3,491.8	3,379.9	14.4	14.9	-10.29	-213.9	667.5	43.0	25.8	17.18	2.503		
3,600.0	3,488.2	3,591.1	3,472.9	15.0	15.6	-14.29	-224.8	700.5	45.4	27.3	18.07	2.513		
3,700.0	3,582.9	3,691.4	3,566.9	15.7	16.3	-13.31	-236.0	733.6	48.6	29.7	18.88	2.571		
3,800.0	3,677.0	3,791.1	3,660.1	16.3	17.0	-10.33	-249.0	766.6	50.1	30.8	19.33	2.594		
3,900.0	3,771.3	3,891.8	3,754.3	17.0	17.6	-6.56	-262.6	799.4	51.6	31.9	19.70	2.620		
3,983.0	3,849.2	3,974.7	3,832.2	17.6	18.2	-2.35	-273.1	825.6	51.1	31.1	20.03	2.552		
4,000.0	3,865.0	3,991.6	3,848.1	17.7	18.3	-1.36	-275.4	831.0	50.6	30.5	20.10	2.518		
4,100.0	3,959.6	4,092.2	3,942.4	18.4	19.0	6.97	-289.5	862.8	52.9	32.2	20.64	2.562		
4,200.0	4,054.3	4,191.6	4,036.0	19.0	19.7	4.32	-303.2	893.3	54.7	33.2	21.46	2.548		
4,300.0	4,149.2	4,290.7	4,128.8	19.6	20.4	8.50	-317.3	925.1	58.6	36.4	22.28	2.631		
4,400.0	4,244.1	4,390.6	4,222.3	20.2	21.1	13.09	-331.5	957.7	63.2	39.9	23.31	2.713		
4,500.0	4,339.2	4,490.4	4,315.6	20.9	21.8	15.28	-345.4	990.2	68.8	44.3	24.45	2.814		
4,600.0	4,433.6	4,590.3	4,408.7	21.5	22.5	15.01	-358.6	1,023.7	72.6	47.3	25.33	2.866		
4,700.0	4,528.2	4,690.7	4,502.7	22.2	23.2	14.11	-371.5	1,056.7	75.6	49.4	26.20	2.886		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
4,800.0	4,622.0	4,791.2	4,596.7	22.9	23.9	12.92	-383.7	1,090.1	76.4	49.6	26.78	2.853		
4,900.0	4,716.6	4,893.0	4,692.5	23.5	24.6	12.92	-395.2	1,122.5	77.8	50.4	27.34	2.844		
5,000.0	4,811.5	4,993.2	4,787.4	24.1	25.3	15.70	-405.5	1,153.2	78.5	50.5	28.00	2.805		
5,100.0	4,906.7	5,092.1	4,880.6	24.8	25.9	15.11	-415.5	1,184.4	81.0	52.5	28.59	2.835		
5,200.0	5,001.7	5,191.3	4,973.8	25.4	26.6	13.72	-425.9	1,216.8	84.4	55.3	29.10	2.899		
5,300.0	5,095.4	5,291.9	5,068.3	26.1	27.3	13.37	-435.9	1,249.8	83.6	53.9	29.69	2.817		
5,334.2	5,127.5	5,325.5	5,099.9	26.3	27.5	13.19	-439.2	1,261.0	83.4	53.5	29.87	2.792		
5,334.3	5,127.5	5,325.6	5,099.9	26.3	27.5	13.19	-439.2	1,261.0	83.4	53.5	29.87	2.792		
5,400.0	5,189.3	5,390.9	5,161.0	26.8	28.0	12.81	-446.0	1,283.0	84.0	53.8	30.22	2.779		
5,500.0	5,283.8	5,492.0	5,255.8	27.4	28.7	11.11	-456.5	1,316.6	86.2	55.4	30.75	2.803		
5,600.0	5,378.6	5,592.1	5,350.2	28.1	29.4	9.19	-466.4	1,348.4	87.3	56.1	31.16	2.801		
5,700.0	5,473.9	5,692.4	5,444.6	28.7	30.0	4.90	-477.5	1,380.6	91.0	59.5	31.52	2.887		
5,800.0	5,568.6	5,792.3	5,538.9	29.3	30.7	3.33	-488.2	1,411.7	91.7	59.9	31.83	2.880		
5,854.9	5,620.2	5,846.4	5,589.8	29.7	31.1	2.88	-493.9	1,429.0	91.2	59.1	32.02	2.847		
5,900.0	5,662.7	5,890.7	5,631.4	30.0	31.4	2.43	-498.6	1,443.6	91.5	59.3	32.17	2.843		
6,000.0	5,757.4	5,992.0	5,726.5	30.6	32.1	2.28	-508.9	1,476.9	93.7	61.1	32.64	2.872		
6,100.0	5,851.6	6,093.5	5,822.4	31.3	32.7	3.52	-519.4	1,508.5	93.0	59.7	33.25	2.797		
6,146.2	5,895.2	6,139.9	5,866.4	31.6	33.0	4.07	-524.0	1,522.6	92.4	58.9	33.53	2.756		
6,199.9	5,946.0	6,193.5	5,917.1	32.0	33.4	4.64	-529.0	1,538.9	91.9	58.1	33.85	2.715		
6,200.0	5,946.3	6,193.5	5,917.2	32.0	33.4	4.74	-529.0	1,538.9	92.8	58.9	33.86	2.740		
6,300.0	6,040.4	6,292.2	6,010.4	32.6	34.0	4.38	-539.0	1,569.5	91.6	57.1	34.49	2.656		
6,321.8	6,061.0	6,313.5	6,030.5	32.8	34.2	4.70	-541.4	1,576.3	91.5	56.9	34.63	2.642		
6,321.8	6,061.0	6,313.5	6,030.5	32.8	34.2	4.70	-541.4	1,576.3	91.5	56.9	34.63	2.642		
6,400.0	6,134.6	6,391.8	6,104.0	33.3	34.7	6.08	-550.5	1,601.4	91.9	56.7	35.19	2.613		
6,500.0	6,229.7	6,492.2	6,198.7	33.9	35.4	5.78	-561.5	1,633.0	94.6	58.7	35.90	2.636		
6,600.0	6,325.2	6,593.3	6,294.2	34.5	36.0	3.79	-573.1	1,664.3	98.2	61.6	36.57	2.685		
6,700.0	6,419.6	6,693.3	6,389.1	35.2	36.7	4.85	-585.3	1,693.6	97.1	59.8	37.31	2.602		
6,800.0	6,513.4	6,792.5	6,482.8	35.9	37.3	7.68	-597.5	1,723.4	95.0	56.8	38.17	2.488		
6,811.2	6,524.0	6,803.1	6,492.9	35.9	37.4	8.73	-598.9	1,726.6	94.9	56.7	38.27	2.480		
6,900.0	6,608.1	6,887.0	6,571.1	36.5	38.0	17.29	-610.3	1,754.7	99.0	60.0	39.04	2.536		
7,000.0	6,702.4	6,987.2	6,663.9	37.1	38.8	49.72	-624.1	1,789.9	109.6	67.2	42.36	2.587		
7,100.0	6,795.1	7,083.7	6,753.7	37.6	39.5	80.74	-635.9	1,823.0	130.6	81.4	49.26	2.652		
7,200.0	6,885.3	7,176.5	6,840.7	38.0	40.1	106.01	-646.3	1,853.7	166.9	110.2	56.69	2.943		
7,300.0	6,970.3	7,271.7	6,930.8	38.2	40.7	119.28	-655.1	1,882.8	216.3	153.5	62.79	3.444		
7,400.0	7,048.8	7,411.8	7,063.1	38.4	41.5	125.55	-644.9	1,926.6	263.9	199.3	64.54	4.088		
7,500.0	7,118.1	7,522.0	7,164.7	38.6	42.0	130.91	-617.4	1,959.5	306.4	240.1	66.28	4.623		
7,600.0	7,180.0	7,631.1	7,263.0	38.9	42.4	134.75	-583.1	1,991.9	352.1	284.7	67.43	5.222		
7,700.0	7,230.4	7,763.7	7,376.6	39.0	42.9	142.10	-528.3	2,032.6	403.7	338.4	65.34	6.179		
7,800.0	7,267.4	8,022.5	7,549.4	39.1	43.6	145.42	-353.9	2,106.2	439.2	392.2	47.04	9.338		
7,800.0	7,267.4	8,022.5	7,549.4	39.1	43.6	145.42	-353.9	2,106.2	439.2	392.2	47.04	9.338		
7,900.0	7,282.6	8,263.6	7,652.8	39.1	43.8	146.67	-141.1	2,146.5	468.1	439.4	28.74	16.288		
7,900.1	7,282.6	8,263.8	7,652.9	39.1	43.8	146.67	-140.9	2,146.5	468.1	439.4	28.72	16.298		
8,000.0	7,288.2	8,470.5	7,701.1	39.2	43.8	149.12	59.6	2,150.0	483.0	465.1	17.95	26.915		
8,019.4	7,289.1	8,508.9	7,705.1	39.2	43.8	149.40	97.7	2,149.2	483.7	466.7	17.04	28.383		
8,100.0	7,292.6	8,620.1	7,709.8	39.3	43.8	149.57	208.8	2,148.7	483.2	466.2	17.05	28.335		
8,123.0	7,293.5	8,658.5	7,708.9	39.3	43.9	149.41	247.1	2,149.0	481.9	464.6	17.37	27.741		
8,200.0	7,296.4	8,732.5	7,704.7	39.4	44.0	148.94	321.1	2,149.8	476.1	458.0	18.07	26.350		
8,222.5	7,297.2	8,750.5	7,704.1	39.5	44.0	148.86	339.0	2,150.0	474.8	456.5	18.32	25.920		
8,300.0	7,299.2	8,825.3	7,702.7	39.7	44.2	148.64	413.8	2,150.8	472.0	452.8	19.24	24.534		
8,322.2	7,299.6	8,848.9	7,702.2	39.7	44.2	148.58	437.4	2,150.9	471.3	451.8	19.49	24.176		
8,400.0	7,300.7	8,918.4	7,701.2	40.0	44.4	148.43	507.0	2,151.4	469.4	448.5	20.82	22.545		
8,423.5	7,301.0	8,938.7	7,701.2	40.0	44.5	148.41	527.2	2,151.6	469.2	447.9	21.32	22.010		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design		Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17											Offset Site Error:		0.0 ft
Survey Program: 135-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)				
8,500.0	7,301.3	9,015.9	7,701.6	40.4	44.7	148.34	604.4	2,152.3	469.7	447.2	22.49	20.885			
8,500.1	7,301.3	9,016.0	7,701.6	40.4	44.7	148.34	604.5	2,152.3	469.7	447.2	22.49	20.883			
8,600.0	7,300.1	9,118.5	7,702.0	40.8	45.1	148.50	707.0	2,152.5	470.7	446.8	23.96	19.649			
8,600.3	7,300.1	9,118.9	7,702.0	40.8	45.1	148.50	707.4	2,152.4	470.7	446.8	23.96	19.645			
8,700.0	7,298.2	9,221.0	7,701.5	41.4	45.6	148.72	809.5	2,152.0	471.3	445.8	25.47	18.504			
8,700.3	7,298.2	9,226.1	7,701.4	41.4	45.6	148.72	814.6	2,152.0	471.3	446.1	25.22	18.689			
8,800.0	7,295.8	9,315.2	7,701.0	42.0	46.1	148.89	903.7	2,152.3	472.7	445.1	27.52	17.178			
8,821.1	7,295.5	9,337.4	7,701.1	42.2	46.2	148.97	925.9	2,152.4	472.8	445.0	27.79	17.014			
8,900.0	7,294.9	9,420.1	7,701.4	42.7	46.7	149.42	1,008.6	2,152.2	471.7	442.9	28.79	16.387			
8,921.7	7,295.0	9,442.8	7,701.5	42.9	46.8	149.51	1,031.3	2,151.9	471.2	442.1	29.10	16.191			
9,000.0	7,295.8	9,524.9	7,701.3	43.5	47.3	149.75	1,113.4	2,150.8	469.0	438.7	30.25	15.502			
9,022.0	7,296.0	9,548.1	7,701.2	43.7	47.5	149.83	1,136.6	2,150.4	468.3	437.7	30.60	15.305			
9,100.0	7,296.4	9,623.9	7,700.7	44.4	48.0	150.09	1,212.4	2,149.0	465.8	433.7	32.18	14.475			
9,121.7	7,296.5	9,643.9	7,700.6	44.6	48.1	150.14	1,232.4	2,148.8	465.4	432.7	32.70	14.231			
9,200.0	7,296.7	9,721.8	7,700.4	45.3	48.7	150.34	1,310.3	2,148.4	464.1	429.9	34.19	13.574			
9,221.8	7,296.7	9,744.3	7,700.3	45.9	48.9	150.40	1,332.7	2,148.2	463.7	429.2	34.51	13.436			
9,300.0	7,296.7	9,816.5	7,700.4	47.7	49.5	150.58	1,405.0	2,147.5	462.9	426.5	36.38	12.726			
9,321.9	7,297.1	9,836.3	7,700.6	47.9	49.7	150.57	1,424.8	2,147.5	462.9	426.0	36.88	12.550			
9,400.0	7,300.4	9,914.2	7,701.7	48.4	50.3	150.20	1,502.7	2,147.4	462.4	424.2	38.20	12.103			
9,421.6	7,301.8	9,936.1	7,702.0	48.5	50.5	150.00	1,524.5	2,147.3	462.1	423.5	38.58	11.977			
9,500.0	7,306.8	10,019.7	7,702.6	49.0	51.3	149.05	1,608.1	2,146.8	461.4	421.7	39.73	11.615			
9,521.7	7,308.2	10,043.2	7,702.5	49.2	51.5	148.75	1,631.7	2,146.7	461.1	421.1	40.04	11.515			
9,600.0	7,313.1	10,126.8	7,701.3	49.7	52.4	147.61	1,715.3	2,146.2	459.3	418.0	41.36	11.105			
9,622.2	7,314.5	10,147.4	7,701.0	49.9	52.6	147.33	1,735.8	2,146.0	458.8	416.7	42.03	10.914			
9,700.0	7,319.4	10,219.2	7,700.5	50.4	53.3	146.40	1,807.6	2,145.3	457.5	413.0	44.47	10.288			
9,736.4	7,321.7	10,251.8	7,700.6	50.7	53.6	145.99	1,840.2	2,145.1	457.4	411.6	45.74	9.999			
9,800.0	7,325.7	10,311.8	7,701.4	51.2	54.3	145.24	1,900.2	2,145.1	457.8	410.1	47.72	9.594			
9,821.0	7,327.0	10,335.6	7,701.6	51.4	54.5	144.94	1,924.0	2,145.0	457.9	409.9	48.00	9.540			
9,900.0	7,331.5	10,417.3	7,702.0	52.0	55.4	144.06	2,005.7	2,143.9	457.5	407.7	49.78	9.189			
9,921.4	7,332.4	10,436.6	7,702.1	52.2	55.7	143.88	2,025.0	2,143.8	457.4	406.9	50.55	9.049			
10,000.0	7,334.9	10,515.0	7,702.2	52.9	56.6	143.27	2,103.4	2,144.5	457.8	405.2	52.56	8.710			
10,021.2	7,335.3	10,538.8	7,702.0	53.1	56.9	143.13	2,127.2	2,144.8	457.7	404.8	52.81	8.666			
10,100.0	7,336.0	10,614.4	7,701.0	53.9	57.8	142.92	2,202.8	2,145.5	456.9	401.9	54.94	8.316			
10,112.2	7,336.0	10,625.2	7,701.0	54.0	57.9	142.92	2,213.6	2,145.6	456.8	401.5	55.34	8.255			
10,200.0	7,336.0	10,712.9	7,701.3	55.0	59.0	142.93	2,301.3	2,146.7	457.2	400.0	57.19	7.995			
10,221.2	7,336.0	10,735.7	7,701.3	55.2	59.3	142.93	2,324.0	2,146.9	457.2	399.7	57.49	7.953			
10,300.0	7,336.0	10,816.9	7,700.7	56.0	60.3	142.89	2,405.3	2,147.8	456.7	397.7	58.98	7.744			
10,353.2	7,336.0	10,866.2	7,700.2	56.6	61.0	142.83	2,454.5	2,148.5	456.4	395.8	60.57	7.534			
10,400.0	7,336.0	10,907.3	7,700.3	57.1	61.5	142.82	2,495.6	2,149.1	456.7	394.5	62.17	7.345			
10,400.1	7,336.0	10,907.3	7,700.3	57.1	61.5	142.82	2,495.7	2,149.1	456.7	394.5	62.18	7.345			
10,500.0	7,336.0	11,010.9	7,701.5	58.3	62.9	142.85	2,599.3	2,150.8	457.9	393.9	63.95	7.160			
10,521.0	7,336.0	11,033.4	7,701.5	58.6	63.2	142.84	2,621.8	2,151.1	457.9	393.7	64.28	7.125			
10,600.0	7,336.0	11,117.8	7,700.9	59.5	64.4	142.79	2,706.1	2,152.1	457.6	392.0	65.58	6.977			
10,621.6	7,336.0	11,140.6	7,700.6	59.8	64.7	142.77	2,728.9	2,152.3	457.3	391.3	65.97	6.932			
10,700.0	7,336.0	11,218.1	7,699.5	60.7	65.8	142.74	2,806.4	2,152.6	456.1	388.2	67.89	6.718			
10,736.2	7,336.0	11,249.2	7,699.5	61.2	66.2	142.77	2,837.5	2,152.6	455.9	386.7	69.21	6.587			
10,800.0	7,336.0	11,309.4	7,700.6	62.0	67.1	142.93	2,897.7	2,152.6	456.4	385.5	70.85	6.441			
10,820.9	7,336.0	11,332.4	7,701.0	62.3	67.4	142.98	2,920.7	2,152.5	456.5	385.5	71.04	6.426			
10,900.0	7,336.0	11,417.2	7,701.3	63.3	68.6	143.11	3,005.5	2,152.4	456.2	384.1	72.13	6.324			
10,921.4	7,336.0	11,439.5	7,701.3	63.6	68.9	143.14	3,027.7	2,152.3	456.0	383.5	72.51	6.288			
11,000.0	7,336.0	11,522.7	7,700.8	64.6	70.2	143.24	3,110.9	2,151.8	454.7	381.0	73.76	6.165			
11,021.9	7,336.0	11,546.0	7,700.5	64.9	70.5	143.28	3,134.2	2,151.5	454.3	380.2	74.09	6.131			

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design		Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17											Offset Site Error:		0.0 ft
Survey Program: 135-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)				
11,100.0	7,336.0	11,617.6	7,700.2	66.0	71.5	143.44	3,205.9	2,150.4	452.8	376.4	76.37	5.929			
11,149.2	7,336.0	11,662.3	7,700.6	66.7	72.2	143.57	3,250.6	2,150.0	452.6	374.8	77.81	5.817			
11,200.0	7,336.0	11,709.2	7,701.5	67.4	72.8	143.71	3,297.5	2,149.7	452.8	373.6	79.18	5.718			
11,200.1	7,336.0	11,709.3	7,701.5	67.4	72.8	143.71	3,297.6	2,149.7	452.8	373.6	79.19	5.718			
11,300.0	7,336.0	11,821.5	7,702.1	68.8	74.5	143.83	3,409.7	2,150.1	452.9	372.9	80.04	5.659			
11,321.8	7,336.0	11,845.4	7,701.4	69.1	74.8	143.78	3,433.6	2,150.4	452.5	372.1	80.40	5.627			
11,400.0	7,336.0	11,927.5	7,698.7	70.3	76.1	143.62	3,515.7	2,150.9	450.2	368.1	82.02	5.488			
11,422.1	7,336.0	11,947.9	7,698.1	70.6	76.4	143.59	3,536.1	2,150.9	449.5	366.8	82.75	5.432			
11,500.0	7,336.0	12,018.7	7,696.8	71.7	77.5	143.57	3,606.9	2,150.9	447.9	362.6	85.32	5.250			
11,541.7	7,336.0	12,054.9	7,696.8	72.4	78.0	143.59	3,643.1	2,151.0	447.6	360.8	86.81	5.156			
11,600.0	7,336.0	12,108.6	7,697.4	73.2	78.8	143.65	3,696.7	2,151.5	448.1	359.5	88.57	5.059			
11,600.4	7,336.0	12,109.0	7,697.4	73.2	78.8	143.65	3,697.1	2,151.5	448.1	359.5	88.57	5.059			
11,700.0	7,336.0	12,213.0	7,697.8	74.8	80.4	143.71	3,801.1	2,152.4	448.3	357.9	90.37	4.960			
11,700.4	7,336.0	12,213.4	7,697.8	74.8	80.4	143.71	3,801.5	2,152.4	448.3	357.9	90.38	4.960			
11,800.0	7,336.0	12,313.9	7,697.6	76.3	82.0	143.58	3,902.0	2,154.5	448.8	355.9	92.81	4.835			
11,821.4	7,336.0	12,338.2	7,697.3	76.6	82.3	143.53	3,926.4	2,155.1	448.7	355.6	93.09	4.820			
11,900.0	7,336.0	12,418.9	7,695.5	77.8	83.6	143.33	4,007.0	2,156.6	447.6	352.6	95.02	4.711			
11,921.5	7,336.0	12,440.1	7,695.1	78.2	83.9	143.29	4,028.2	2,156.9	447.4	351.8	95.61	4.679			
12,000.0	7,336.0	12,520.5	7,693.7	79.4	85.2	143.18	4,108.6	2,157.8	446.3	348.9	97.42	4.581			
12,021.7	7,336.0	12,542.8	7,693.3	79.8	85.5	143.14	4,130.8	2,158.0	445.9	348.0	97.93	4.554			
12,100.0	7,336.0	12,619.9	7,692.1	81.0	86.7	143.10	4,208.0	2,158.4	444.7	344.7	99.98	4.448			
12,121.6	7,336.0	12,641.0	7,691.9	81.4	87.0	143.12	4,229.1	2,158.3	444.4	343.9	100.51	4.421			
12,200.0	7,336.0	12,717.3	7,692.2	82.6	88.2	143.32	4,305.4	2,157.3	443.5	341.2	102.26	4.337			
12,221.4	7,336.0	12,738.2	7,692.4	83.0	88.5	143.40	4,326.2	2,156.9	443.3	340.6	102.69	4.317			
12,300.0	7,336.0	12,815.5	7,693.0	84.2	89.7	143.61	4,403.6	2,156.2	442.8	338.5	104.34	4.244			
12,321.3	7,336.0	12,837.6	7,693.1	84.6	90.0	143.66	4,425.6	2,156.0	442.7	338.0	104.68	4.229			
12,400.0	7,336.0	12,918.4	7,693.5	85.9	91.3	143.89	4,506.4	2,155.0	441.9	336.0	105.97	4.170			
12,421.4	7,336.0	12,939.6	7,693.5	86.2	91.6	143.94	4,527.7	2,154.8	441.7	335.3	106.42	4.150			
12,500.0	7,336.0	13,018.8	7,693.1	87.5	92.9	143.99	4,606.8	2,154.8	440.8	332.7	108.12	4.077			
12,521.6	7,336.0	13,041.1	7,693.0	87.9	93.2	144.02	4,629.1	2,154.7	440.6	332.1	108.51	4.060			
12,600.0	7,336.0	13,118.0	7,692.9	89.2	94.4	144.21	4,706.0	2,153.7	439.5	329.3	110.20	3.988			
12,621.4	7,336.0	13,138.1	7,693.0	89.5	94.8	144.25	4,726.1	2,153.5	439.3	328.5	110.77	3.966			
12,700.0	7,336.0	13,213.0	7,693.5	90.8	95.9	144.39	4,801.0	2,153.3	439.1	326.3	112.75	3.894			
12,700.0	7,336.0	13,213.0	7,693.5	90.8	95.9	144.39	4,801.0	2,153.3	439.1	326.3	112.75	3.894			
12,800.0	7,336.0	13,313.2	7,694.0	92.5	97.5	144.46	4,901.2	2,154.1	439.3	324.4	114.97	3.821			
12,821.1	7,336.0	13,335.0	7,694.1	92.9	97.9	144.49	4,923.0	2,154.2	439.3	324.0	115.35	3.808			
12,900.0	7,336.0	13,417.9	7,694.4	94.2	99.3	144.63	5,005.9	2,153.9	438.9	322.3	116.57	3.765			
12,921.5	7,336.0	13,439.9	7,694.4	94.6	99.6	144.69	5,027.9	2,153.7	438.7	321.7	116.92	3.752			
13,000.0	7,336.0	13,513.0	7,694.5	95.9	100.8	144.77	5,100.9	2,153.7	438.3	319.1	119.20	3.677			
13,000.0	7,336.0	13,513.0	7,694.5	95.9	100.8	144.77	5,101.0	2,153.7	438.3	319.1	119.20	3.677			
13,100.0	7,336.0	13,614.8	7,694.3	97.6	102.5	144.71	5,202.7	2,155.2	438.3	316.8	121.49	3.608			
13,121.3	7,336.0	13,637.4	7,694.2	98.0	102.9	144.71	5,225.4	2,155.4	438.2	316.3	121.87	3.596			
13,200.0	7,336.0	13,717.8	7,693.8	99.3	104.2	144.78	5,305.8	2,155.3	437.4	313.9	123.44	3.543			
13,232.5	7,336.0	13,746.0	7,693.8	99.9	104.7	144.80	5,333.9	2,155.4	437.2	312.6	124.63	3.508			
13,300.0	7,336.0	13,807.2	7,694.0	101.0	105.7	144.75	5,395.1	2,156.7	437.9	310.9	126.97	3.448			
13,300.2	7,336.0	13,807.4	7,694.0	101.0	105.7	144.75	5,395.3	2,156.7	437.9	310.9	126.98	3.448			
13,400.0	7,336.0	13,914.2	7,694.2	102.8	107.5	144.67	5,502.2	2,158.7	438.5	309.7	128.81	3.404			
13,421.3	7,336.0	13,936.9	7,694.1	103.1	107.9	144.65	5,524.9	2,159.1	438.4	309.2	129.22	3.393			
13,500.0	7,336.0	14,016.5	7,693.0	104.5	109.2	144.53	5,604.5	2,160.3	437.8	306.5	131.26	3.335			
13,562.8	7,336.0	14,076.4	7,692.1	105.6	110.2	144.37	5,664.3	2,161.8	437.5	304.1	133.39	3.280			
13,600.0	7,336.0	14,109.7	7,692.0	106.3	110.8	144.31	5,697.6	2,162.6	437.7	302.9	134.79	3.247			
13,600.2	7,336.0	14,109.8	7,692.0	106.3	110.8	144.31	5,697.7	2,162.6	437.7	302.9	134.80	3.247			

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
13,700.0	7,336.0	14,207.7	7,693.3	108.0	112.3	144.34	5,795.5	2,164.3	439.2	301.9	137.29	3.199		
13,700.2	7,336.0	14,207.9	7,693.4	108.0	112.3	144.34	5,795.7	2,164.3	439.2	301.9	137.30	3.199		
13,800.0	7,336.0	14,310.4	7,694.8	109.8	114.0	144.51	5,898.3	2,164.9	440.1	301.1	139.06	3.165		
13,800.4	7,336.0	14,310.8	7,694.8	109.8	114.1	144.51	5,898.6	2,164.9	440.1	301.1	139.07	3.165		
13,900.0	7,336.0	14,414.5	7,695.1	111.5	115.8	144.50	6,002.3	2,166.3	440.4	299.4	141.06	3.122		
13,921.2	7,336.0	14,436.5	7,695.0	111.9	116.2	144.49	6,024.3	2,166.5	440.4	298.9	141.51	3.112		
14,000.0	7,336.0	14,518.0	7,694.4	113.3	117.6	144.46	6,105.8	2,167.3	439.8	296.6	143.24	3.071		
14,021.5	7,336.0	14,540.2	7,694.1	113.7	118.0	144.45	6,128.1	2,167.4	439.6	295.9	143.71	3.059		
14,100.0	7,336.0	14,619.7	7,693.0	115.1	119.4	144.40	6,207.5	2,167.9	438.5	292.8	145.64	3.011		
14,121.5	7,336.0	14,640.1	7,692.7	115.4	119.7	144.39	6,227.9	2,168.0	438.2	291.9	146.30	2.995		
14,200.0	7,336.0	14,716.2	7,692.0	116.8	121.0	144.34	6,304.0	2,168.8	437.6	289.0	148.55	2.946		
14,221.4	7,336.0	14,737.9	7,691.9	117.2	121.4	144.33	6,325.7	2,169.0	437.5	288.4	149.07	2.935		
14,300.0	7,336.0	14,815.1	7,691.2	118.6	122.7	144.27	6,402.9	2,169.9	437.0	285.7	151.24	2.889		
14,332.1	7,336.0	14,845.6	7,691.1	119.2	123.2	144.25	6,433.4	2,170.3	436.9	284.7	152.21	2.870		
14,400.0	7,336.0	14,914.4	7,691.0	120.4	124.3	144.23	6,502.1	2,171.2	436.9	283.1	153.83	2.840		
14,464.9	7,336.0	14,978.5	7,690.8	121.6	125.4	144.23	6,566.2	2,171.8	436.7	281.2	155.48	2.809		
14,500.0	7,336.0	15,009.6	7,691.2	122.2	126.0	144.28	6,597.4	2,171.9	436.9	280.2	156.62	2.789		
14,500.2	7,336.0	15,009.8	7,691.2	122.2	126.0	144.28	6,597.5	2,171.9	436.9	280.2	156.63	2.789		
14,600.0	7,336.0	15,105.6	7,694.0	124.0	127.6	144.60	6,693.3	2,171.9	438.6	280.0	158.62	2.765		
14,600.0	7,336.0	15,105.6	7,694.0	124.0	127.6	144.60	6,693.4	2,171.9	438.6	280.0	158.62	2.765		
14,700.0	7,336.0	15,209.6	7,696.9	125.8	129.4	144.98	6,797.3	2,171.5	440.1	280.4	159.70	2.756		
14,700.3	7,336.0	15,209.9	7,696.9	125.8	129.4	144.99	6,797.6	2,171.5	440.1	280.4	159.70	2.756		
14,800.0	7,336.0	15,310.1	7,699.2	127.6	131.1	145.37	6,897.8	2,170.6	440.9	279.8	161.07	2.737		
14,820.9	7,336.0	15,334.4	7,699.7	128.0	131.5	145.45	6,922.1	2,170.4	441.0	279.9	161.03	2.738		
14,900.0	7,336.0	15,425.0	7,699.0	129.4	133.0	145.57	7,012.6	2,169.7	439.6	278.2	161.39	2.721		
14,921.8	7,336.0	15,446.0	7,698.6	129.8	133.4	145.58	7,033.6	2,169.6	439.1	277.1	161.97	2.724		
15,000.0	7,336.0	15,522.8	7,697.5	131.2	134.7	145.62	7,110.5	2,169.3	437.5	273.6	163.86	2.670		
15,021.9	7,336.0	15,545.3	7,697.1	131.6	135.1	145.62	7,132.9	2,169.3	437.0	272.7	164.33	2.659		
15,100.0	7,336.0	15,619.0	7,695.5	133.0	136.3	145.54	7,206.6	2,169.6	435.4	268.6	166.82	2.610		
15,140.1	7,336.0	15,653.9	7,695.2	133.8	136.9	145.52	7,241.5	2,170.1	435.2	266.8	168.38	2.584		
15,200.0	7,336.0	15,712.3	7,695.3	134.8	137.9	145.49	7,299.9	2,171.0	435.4	265.4	170.03	2.561		
15,221.0	7,336.0	15,734.2	7,695.3	135.2	138.2	145.48	7,321.8	2,171.4	435.5	265.0	170.47	2.555		
15,300.0	7,336.0	15,818.1	7,694.9	136.7	139.7	145.44	7,405.7	2,172.3	435.2	263.2	171.97	2.531		
15,321.4	7,336.0	15,841.1	7,694.7	137.0	140.1	145.45	7,428.7	2,172.3	435.0	262.6	172.31	2.524		
15,400.0	7,336.0	15,923.1	7,693.7	138.5	141.6	145.48	7,510.7	2,172.2	433.6	259.8	173.74	2.495		
15,421.8	7,336.0	15,945.2	7,693.3	138.9	142.0	145.49	7,532.8	2,172.1	433.1	258.9	174.21	2.486		
15,500.0	7,336.0	16,016.9	7,693.0	140.3	143.2	145.63	7,604.5	2,171.4	431.9	255.6	176.37	2.449		
15,521.2	7,336.0	16,037.2	7,693.3	140.7	143.5	145.71	7,624.8	2,171.1	431.8	255.1	176.75	2.443		
15,600.0	7,336.0	16,118.7	7,694.0	142.1	144.9	146.02	7,706.2	2,169.6	431.2	253.7	177.45	2.430		
15,621.3	7,336.0	16,141.2	7,694.2	142.5	145.3	146.11	7,728.8	2,169.1	430.9	253.3	177.58	2.427		
15,700.0	7,336.0	16,225.3	7,694.3	144.0	146.8	146.46	7,812.9	2,166.9	429.4	251.5	177.88	2.414		
15,721.9	7,336.0	16,250.1	7,694.0	144.4	147.3	146.55	7,837.6	2,166.3	428.8	250.9	177.83	2.411		
15,800.0	7,336.0	16,332.9	7,691.9	145.8	148.7	146.72	7,920.4	2,164.1	425.5	246.9	178.61	2.382		
15,822.4	7,336.0	16,354.9	7,691.2	146.2	149.1	146.76	7,942.3	2,163.6	424.5	245.4	179.10	2.370		
15,900.0	7,336.0	16,428.9	7,689.0	147.6	150.3	146.83	8,016.3	2,162.4	421.4	240.3	181.09	2.327		
15,922.2	7,336.0	16,449.7	7,688.4	148.0	150.7	146.83	8,037.1	2,162.2	420.6	238.9	181.76	2.314		
16,000.0	7,336.0	16,522.9	7,686.4	149.4	151.9	146.72	8,110.3	2,162.6	418.6	234.2	184.38	2.270		
16,071.7	7,336.0	16,585.9	7,684.7	150.8	153.0	146.48	8,173.2	2,164.2	417.6	229.9	187.71	2.225		
16,100.0	7,336.0	16,607.3	7,684.4	151.3	153.3	146.39	8,194.6	2,165.1	417.8	228.5	189.35	2.207		
16,100.0	7,336.0	16,607.3	7,684.4	151.3	153.3	146.39	8,194.6	2,165.1	417.8	228.5	189.35	2.207		
16,200.0	7,336.0	16,693.8	7,686.2	153.1	154.8	146.08	8,281.0	2,169.9	421.9	228.1	193.87	2.176		
16,204.1	7,336.0	16,698.2	7,686.4	153.2	154.9	146.07	8,285.3	2,170.1	422.1	228.2	193.96	2.176		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3CDH (Existing) - Brighton Lakes 20-17													Offset Site Error:	0.0 ft
Survey Program: 135-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		
16,300.0	7,336.0	16,803.4	7,690.5	155.0	156.7	146.28	8,390.4	2,172.2	425.8	231.0	194.77	2.186		
16,300.0	7,336.0	16,803.4	7,690.5	155.0	156.7	146.28	8,390.4	2,172.2	425.8	231.0	194.77	2.186		
16,400.0	7,336.0	16,908.7	7,693.5	156.8	158.5	146.61	8,495.7	2,172.3	427.6	232.0	195.58	2.186		
16,400.2	7,336.0	16,908.9	7,693.5	156.8	158.5	146.61	8,495.8	2,172.3	427.6	232.0	195.58	2.186		
16,500.0	7,336.0	17,010.9	7,695.2	158.6	160.3	146.81	8,597.9	2,172.8	428.6	231.6	197.06	2.175		
16,500.3	7,336.0	17,011.3	7,695.2	158.7	160.3	146.81	8,598.2	2,172.8	428.6	231.6	197.07	2.175		
16,600.0	7,336.0	17,116.2	7,695.9	160.5	162.2	146.93	8,703.1	2,173.2	428.8	230.3	198.51	2.160		
16,621.2	7,336.0	17,138.1	7,695.9	160.9	162.6	146.96	8,725.1	2,173.2	428.7	229.9	198.85	2.156		
16,700.0	7,336.0	17,220.1	7,695.7	162.3	164.0	147.07	8,807.0	2,173.0	428.0	228.0	200.02	2.140		
16,721.6	7,336.0	17,242.7	7,695.5	162.7	164.4	147.09	8,829.7	2,172.9	427.7	227.4	200.35	2.135		
16,800.0	7,336.0	17,321.2	7,694.5	164.2	165.8	147.13	8,908.1	2,172.8	426.3	224.3	202.06	2.110		
16,821.5	7,336.0	17,341.7	7,694.4	164.6	166.1	147.15	8,928.6	2,172.7	426.0	223.4	202.60	2.103		
16,900.0	7,336.0	17,420.1	7,694.0	166.0	167.5	147.24	9,007.1	2,172.5	425.1	221.0	204.11	2.083		
16,921.6	7,336.0	17,442.3	7,693.8	166.4	167.8	147.25	9,029.3	2,172.5	424.8	220.3	204.50	2.077		
17,000.0	7,336.0	17,516.2	7,693.1	167.9	169.1	147.26	9,103.1	2,172.8	424.0	217.2	206.75	2.051		
17,019.2	7,336.0	17,533.8	7,693.1	168.2	169.4	147.26	9,120.7	2,172.9	423.9	216.6	207.35	2.044		
17,100.0	7,336.0	17,613.6	7,693.2	169.7	170.8	147.25	9,200.6	2,174.0	424.1	214.8	209.34	2.026		
17,121.0	7,336.0	17,634.8	7,693.2	170.1	171.1	147.24	9,221.8	2,174.3	424.2	214.3	209.86	2.021		
17,200.0	7,336.0	17,717.8	7,692.8	171.6	172.6	147.20	9,304.7	2,175.3	424.0	212.5	211.43	2.005		
17,221.4	7,336.0	17,740.0	7,692.7	172.0	173.0	147.20	9,327.0	2,175.4	423.8	211.9	211.84	2.000		
17,300.0	7,336.0	17,820.7	7,691.7	173.5	174.4	147.16	9,407.6	2,176.0	422.8	209.2	213.59	1.979		
17,321.5	7,336.0	17,841.0	7,691.4	173.9	174.7	147.15	9,427.9	2,176.1	422.5	208.2	214.26	1.972		
17,400.0	7,336.0	17,915.8	7,691.3	175.3	176.0	147.22	9,502.7	2,176.2	422.0	205.8	216.21	1.952		
17,421.2	7,336.0	17,938.2	7,691.4	175.7	176.4	147.27	9,525.1	2,176.1	421.9	205.5	216.41	1.950		
17,500.0	7,336.0	18,020.8	7,691.8	177.2	177.8	147.54	9,607.7	2,174.9	421.1	204.2	216.88	1.942		
17,520.9	7,336.0	18,042.3	7,691.8	177.6	178.2	147.61	9,629.2	2,174.4	420.8	203.7	217.02	1.939		
17,597.1	7,336.0	18,120.6	7,691.5	179.0	179.6	147.85	9,707.5	2,173.0	419.3	201.6	217.71	1.926 SF		

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error: 0.0 ft	
Survey Program: 126-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	89.98	0.0	44.9	45.6					
100.0	100.0	91.7	91.7	0.1	0.1	-20.50	0.2	44.8	44.5	44.3	0.18	247.928		
200.0	200.0	191.6	191.6	0.3	0.3	-34.83	1.1	44.8	43.5	42.9	0.54	79.848		
300.0	300.0	291.5	291.5	0.5	0.5	-32.24	2.5	45.0	42.6	41.6	0.96	44.179		
400.0	400.0	391.7	391.7	0.7	0.7	-15.03	3.3	45.0	41.6	40.2	1.36	30.528		
500.0	500.0	491.8	491.8	0.9	0.9	150.95	4.2	44.8	41.0	39.2	1.77	23.100		
503.5	503.5	495.3	495.3	0.9	0.9	152.37	4.2	44.7	41.0	39.2	1.79	22.910 CC, ES		
600.0	600.0	591.9	591.9	1.1	1.1	158.58	3.6	44.6	41.8	39.6	2.19	19.074		
700.0	700.0	691.8	691.8	1.3	1.3	160.38	2.0	44.0	42.6	40.0	2.61	16.362		
800.0	799.9	791.4	791.4	1.5	1.5	138.74	1.7	44.4	44.6	41.6	3.02	14.745		
900.0	899.9	891.5	891.4	1.7	1.7	38.38	1.9	45.0	45.1	41.7	3.44	13.097		
1,000.0	999.9	991.1	991.1	1.9	1.9	36.79	1.9	45.7	45.5	41.6	3.86	11.771		
1,100.0	1,099.9	1,089.6	1,089.5	2.1	2.1	48.38	1.4	48.4	47.8	43.5	4.28	11.165 SF		
1,200.0	1,199.9	1,187.1	1,186.7	2.4	2.4	27.29	-0.4	55.0	53.4	48.7	4.70	11.365		
1,300.0	1,299.8	1,283.7	1,282.7	2.6	2.6	-0.21	-3.0	66.3	61.6	56.5	5.11	12.059		
1,400.0	1,399.5	1,379.9	1,377.4	2.8	2.9	-9.83	-7.1	82.3	70.5	65.0	5.51	12.795		
1,500.0	1,498.6	1,476.3	1,471.4	3.0	3.2	-13.15	-12.3	102.9	79.1	73.2	5.92	13.379		
1,600.0	1,596.6	1,572.5	1,564.3	3.3	3.6	-13.73	-18.1	127.1	86.1	79.8	6.33	13.601		
1,700.0	1,693.3	1,668.6	1,655.9	3.7	4.0	-14.51	-24.4	155.5	91.5	84.7	6.77	13.505		
1,800.0	1,788.4	1,762.7	1,744.2	4.2	4.6	-15.62	-30.7	187.5	96.3	89.1	7.22	13.331		
1,900.0	1,882.7	1,859.7	1,833.2	4.7	5.3	-15.00	-39.1	225.3	104.0	96.3	7.76	13.398		
2,000.0	1,976.8	1,869.0	1,841.6	5.2	5.3	-15.07	-40.0	228.9	143.6	137.4	6.19	23.177		
2,100.0	2,071.0	1,869.0	1,841.6	5.8	5.3	-15.56	-40.0	228.9	224.5	219.0	5.53	40.587		
2,200.0	2,165.4	1,869.0	1,841.6	6.3	5.3	-15.47	-40.0	228.9	316.7	311.2	5.43	58.299		
2,300.0	2,259.8	1,869.0	1,841.6	6.9	5.3	-15.75	-40.0	228.9	412.5	407.1	5.45	75.669		
2,400.0	2,354.5	1,869.0	1,841.6	7.5	5.3	-16.14	-40.0	228.9	510.1	504.6	5.50	92.743		
2,500.0	2,449.0	1,869.0	1,841.6	8.1	5.3	-13.31	-40.0	228.9	608.5	602.9	5.56	109.485		
2,600.0	2,543.5	1,869.0	1,841.6	8.7	5.3	-13.76	-40.0	228.9	707.3	701.7	5.62	125.942		
2,700.0	2,638.0	1,869.0	1,841.6	9.3	5.3	-14.80	-40.0	228.9	806.4	800.7	5.68	142.083		
2,800.0	2,732.7	1,869.0	1,841.6	9.9	5.3	-10.48	-40.0	228.9	905.8	900.1	5.73	157.966		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1877-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	89.98	0.0	44.9	44.9					
100.0	100.0	100.0	100.0	0.1	0.1	-20.51	0.3	44.8	44.5	44.3	0.18	245.057		
200.0	200.0	199.9	199.9	0.3	0.3	-34.83	1.1	44.8	43.5	42.9	0.54	79.852		
300.0	300.0	299.8	299.8	0.5	0.5	-32.24	2.5	45.0	42.6	41.6	0.96	44.183		
400.0	400.0	400.0	400.0	0.7	0.7	-15.03	3.3	45.0	41.6	40.2	1.36	30.528		
500.0	500.0	500.1	500.1	0.9	0.9	150.95	4.2	44.8	41.0	39.2	1.77	23.100		
503.5	503.5	503.6	503.6	0.9	0.9	152.37	4.2	44.7	41.0	39.2	1.79	22.910	CC, ES	
600.0	600.0	600.2	600.2	1.1	1.1	158.58	3.6	44.6	41.8	39.6	2.19	19.075		
700.0	700.0	700.1	700.1	1.3	1.3	160.38	2.0	44.0	42.6	40.0	2.61	16.362		
800.0	799.9	799.7	799.7	1.5	1.5	138.74	1.7	44.4	44.6	41.6	3.02	14.745		
900.0	899.9	899.8	899.7	1.7	1.7	38.38	1.9	45.0	45.1	41.7	3.44	13.098		
1,000.0	999.9	999.4	999.4	1.9	1.9	36.79	1.9	45.7	45.5	41.6	3.86	11.771		
1,100.0	1,099.9	1,097.9	1,097.8	2.1	2.1	48.38	1.4	48.4	47.8	43.5	4.28	11.170		
1,200.0	1,199.9	1,195.4	1,195.0	2.4	2.4	27.29	-0.4	55.0	53.4	48.7	4.69	11.382		
1,300.0	1,299.8	1,292.0	1,291.0	2.6	2.6	-0.21	-3.0	66.3	61.6	56.5	5.09	12.094		
1,400.0	1,399.5	1,388.2	1,385.7	2.8	2.9	-9.83	-7.1	82.3	70.5	65.0	5.48	12.852		
1,500.0	1,498.6	1,484.6	1,479.7	3.0	3.2	-13.15	-12.3	102.9	79.1	73.3	5.88	13.453		
1,600.0	1,596.6	1,580.8	1,572.6	3.3	3.6	-13.73	-18.1	127.1	86.1	79.8	6.29	13.689		
1,700.0	1,693.3	1,676.9	1,664.2	3.7	4.0	-14.51	-24.4	155.5	91.5	84.8	6.73	13.600		
1,800.0	1,788.4	1,771.0	1,752.5	4.2	4.6	-15.62	-30.7	187.5	96.3	89.1	7.17	13.441		
1,900.0	1,882.7	1,868.0	1,841.5	4.7	5.3	-15.00	-39.1	225.3	104.0	96.3	7.71	13.491		
2,000.0	1,976.8	1,967.8	1,932.6	5.2	6.0	-15.40	-48.2	264.6	111.5	103.2	8.32	13.401		
2,100.0	2,071.0	2,068.2	2,024.5	5.8	6.7	-15.88	-58.7	303.9	119.0	110.1	8.94	13.316		
2,200.0	2,165.4	2,167.9	2,115.7	6.3	7.5	-14.10	-70.0	342.6	126.7	117.1	9.55	13.258		
2,300.0	2,259.8	2,267.6	2,206.8	6.9	8.3	-13.00	-81.3	381.3	134.4	124.3	10.17	13.222		
2,400.0	2,354.5	2,367.2	2,297.9	7.5	9.2	-12.20	-92.7	419.9	143.2	132.4	10.77	13.286		
2,500.0	2,449.0	2,466.8	2,389.1	8.1	10.0	-14.39	-104.0	458.6	151.5	140.0	11.43	13.255		
2,600.0	2,543.5	2,566.5	2,480.2	8.7	10.8	-14.05	-115.3	497.3	160.1	148.0	12.10	13.230		
2,700.0	2,638.0	2,666.1	2,571.3	9.3	11.7	-13.64	-126.7	535.9	168.3	155.5	12.77	13.176		
2,800.0	2,732.7	2,765.7	2,662.4	9.9	12.5	-15.23	-138.0	574.6	177.5	164.0	13.46	13.191		
2,900.0	2,827.2	2,865.3	2,753.5	10.5	13.4	-15.69	-149.3	613.2	186.0	171.8	14.18	13.117		
3,000.0	2,921.7	2,964.9	2,844.6	11.2	14.2	-14.77	-160.7	651.9	194.7	179.8	14.90	13.069		
3,100.0	3,015.8	3,064.7	2,935.9	11.8	15.1	-12.40	-172.0	690.6	202.0	186.4	15.60	12.946		
3,200.0	3,110.2	3,164.3	3,027.0	12.5	16.0	-16.49	-183.4	729.2	210.2	193.9	16.30	12.897		
3,300.0	3,204.8	3,263.9	3,118.1	13.1	16.8	-15.29	-194.7	767.9	219.0	202.0	17.05	12.848		
3,400.0	3,299.3	3,363.5	3,209.2	13.8	17.7	-17.03	-206.0	806.5	227.9	210.1	17.80	12.799		
3,500.0	3,393.9	3,463.1	3,300.3	14.4	18.6	-17.19	-217.4	845.2	237.0	218.4	18.56	12.767		
3,600.0	3,488.2	3,562.7	3,391.4	15.0	19.4	-18.72	-228.7	883.8	245.6	226.2	19.38	12.669		
3,700.0	3,582.9	3,662.3	3,482.4	15.7	20.3	-16.76	-240.0	922.4	255.0	234.9	20.16	12.654		
3,800.0	3,677.0	3,762.0	3,573.6	16.3	21.1	-15.62	-251.4	961.1	262.5	241.5	20.92	12.548		
3,900.0	3,771.3	3,861.7	3,664.8	17.0	22.0	-14.70	-262.7	999.8	270.1	248.4	21.64	12.480		
4,000.0	3,865.0	3,961.5	3,756.1	17.7	22.9	-12.52	-274.1	1,038.5	276.1	253.8	22.35	12.353		
4,100.0	3,959.6	4,061.1	3,847.2	18.4	23.8	-9.75	-285.4	1,077.2	284.5	261.5	22.95	12.395		
4,200.0	4,054.3	4,160.7	3,938.3	19.0	24.6	-15.91	-296.7	1,115.8	293.3	269.7	23.62	12.420		
4,300.0	4,149.2	4,260.2	4,029.3	19.6	25.5	-14.04	-308.0	1,154.5	303.1	278.8	24.34	12.456		
4,400.0	4,244.1	4,359.8	4,120.4	20.2	26.4	-11.94	-319.4	1,193.1	312.4	287.4	25.00	12.497		
4,500.0	4,339.2	4,459.3	4,211.4	20.9	27.2	-11.97	-330.7	1,231.7	322.4	296.8	25.62	12.585		
4,600.0	4,433.6	4,558.9	4,302.5	21.5	28.1	-13.06	-342.0	1,270.3	330.7	304.3	26.32	12.564		
4,700.0	4,528.2	4,658.5	4,393.6	22.2	29.0	-14.56	-353.4	1,309.0	339.1	312.1	27.04	12.544		
4,800.0	4,622.0	4,758.3	4,484.9	22.9	29.8	-15.46	-364.7	1,347.7	346.0	318.2	27.84	12.430		
4,900.0	4,716.6	4,857.9	4,575.9	23.5	30.7	-14.96	-376.0	1,386.4	355.0	326.4	28.60	12.414		
5,000.0	4,811.5	4,957.4	4,667.0	24.1	31.6	-12.04	-387.4	1,425.0	364.6	335.3	29.29	12.447		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1877-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		
5,100.0	4,906.7	5,056.9	4,757.9	24.8	32.4	-12.15	-398.7	1,463.6	374.8	344.9	29.93	12.523		
5,200.0	5,001.7	5,156.4	4,848.9	25.4	33.3	-12.70	-410.0	1,502.2	384.7	354.1	30.60	12.572		
5,300.0	5,095.4	5,256.2	4,940.2	26.1	34.2	-12.56	-421.3	1,540.9	391.0	359.7	31.34	12.477		
5,400.0	5,189.3	5,356.0	5,031.5	26.8	35.1	-12.54	-432.7	1,579.6	397.5	365.4	32.06	12.397		
5,500.0	5,283.8	5,455.6	5,122.6	27.4	35.9	-13.43	-444.0	1,618.3	406.0	373.2	32.77	12.387		
5,600.0	5,378.6	5,555.2	5,213.7	28.1	36.8	-14.34	-455.4	1,656.9	415.3	381.8	33.50	12.397		
5,700.0	5,473.9	5,654.5	5,304.5	28.7	37.7	-17.39	-466.7	1,695.5	426.7	392.4	34.25	12.459		
5,800.0	5,568.6	5,754.0	5,395.5	29.3	38.5	-17.50	-478.0	1,734.0	436.5	401.4	35.09	12.440		
5,900.0	5,662.7	5,853.7	5,486.7	30.0	39.4	-17.03	-489.3	1,772.7	444.2	408.2	35.96	12.352		
6,000.0	5,757.4	5,953.2	5,577.7	30.6	40.3	-15.70	-500.7	1,811.4	453.6	416.8	36.76	12.341		
6,100.0	5,851.6	6,052.9	5,668.9	31.3	41.2	-14.04	-512.0	1,850.0	461.4	423.9	37.52	12.298		
6,200.0	5,946.3	6,152.5	5,760.0	32.0	42.0	-12.66	-523.3	1,888.7	470.4	432.2	38.21	12.311		
6,300.0	6,040.4	6,252.2	5,851.2	32.6	42.9	-13.10	-534.7	1,927.4	477.6	438.7	38.92	12.272		
6,400.0	6,134.6	6,352.0	5,942.4	33.3	43.8	-12.11	-546.0	1,966.1	484.8	445.1	39.63	12.233		
6,500.0	6,229.7	6,451.4	6,033.4	33.9	44.7	-12.82	-557.3	2,004.7	494.9	454.7	40.27	12.292		
6,600.0	6,325.2	6,550.8	6,124.3	34.5	45.5	-14.87	-568.6	2,043.2	506.5	465.5	40.94	12.370		
6,700.0	6,419.6	6,650.4	6,215.4	35.2	46.4	-14.63	-580.0	2,081.9	514.9	473.2	41.71	12.344		
6,800.0	6,513.4	6,750.2	6,306.6	35.9	47.3	-13.13	-591.3	2,120.6	521.5	479.0	42.48	12.277		
6,900.0	6,608.1	6,849.8	6,397.7	36.5	48.1	-4.94	-602.7	2,159.2	530.1	486.9	43.13	12.290		
7,000.0	6,702.4	6,948.5	6,488.0	37.1	49.0	21.94	-613.9	2,197.5	537.9	494.7	43.13	12.472		
7,100.0	6,795.1	7,043.5	6,574.9	37.6	49.8	45.30	-624.7	2,234.4	548.2	505.7	42.53	12.891		
7,200.0	6,885.3	7,132.7	6,656.5	38.0	50.6	64.36	-634.8	2,269.0	566.4	524.3	42.09	13.456		
7,300.0	6,970.3	7,213.9	6,730.8	38.2	51.3	72.75	-644.1	2,300.5	593.1	550.5	42.66	13.904		
7,400.0	7,048.8	7,304.1	6,813.4	38.4	52.1	76.59	-652.9	2,335.6	624.2	579.4	44.85	13.917		
7,500.0	7,118.1	7,428.6	6,927.8	38.6	52.9	83.45	-648.2	2,384.1	655.8	607.6	48.13	13.625		
7,600.0	7,180.0	7,584.9	7,067.4	38.9	53.8	89.49	-612.2	2,443.4	685.0	634.6	50.48	13.570		
7,700.0	7,230.4	7,777.1	7,224.1	39.0	54.6	97.77	-524.3	2,510.0	713.4	663.4	50.04	14.258		
7,800.0	7,267.4	7,988.9	7,364.8	39.1	55.1	102.57	-378.8	2,570.0	739.7	693.0	46.73	15.830		
7,900.0	7,282.6	8,293.8	7,486.4	39.1	55.3	106.23	-106.7	2,621.9	757.8	717.8	40.01	18.939		
7,900.0	7,282.6	8,293.9	7,486.5	39.1	55.3	106.23	-106.6	2,622.0	757.8	717.8	40.01	18.940		
8,000.0	7,288.2	8,509.1	7,505.0	39.2	55.2	106.56	106.9	2,630.1	758.7	718.6	40.07	18.932		
8,023.8	7,289.3	8,532.8	7,505.0	39.2	55.2	106.49	130.7	2,630.1	758.1	717.8	40.27	18.824		
8,100.0	7,292.6	8,609.0	7,505.0	39.3	55.2	106.28	206.8	2,630.2	756.5	715.6	40.92	18.487		
8,122.9	7,293.5	8,631.9	7,505.0	39.3	55.2	106.22	229.7	2,630.3	756.2	715.0	41.19	18.360		
8,200.0	7,296.4	8,708.9	7,505.0	39.4	55.2	106.02	306.7	2,630.4	755.1	713.1	42.08	17.945		
8,222.3	7,297.2	8,731.2	7,505.0	39.5	55.2	105.97	329.0	2,630.4	754.9	712.5	42.38	17.811		
8,300.0	7,299.2	8,808.8	7,505.0	39.7	55.2	105.83	406.7	2,630.5	754.0	710.5	43.43	17.363		
8,322.3	7,299.6	8,831.1	7,505.0	39.7	55.2	105.81	428.9	2,630.5	753.7	709.9	43.78	17.217		
8,400.0	7,300.7	8,908.8	7,505.0	40.0	55.3	105.73	506.7	2,630.7	753.2	708.1	45.01	16.732		
8,471.7	7,301.2	8,980.5	7,505.0	40.2	55.4	105.70	578.4	2,630.7	753.0	706.6	46.33	16.252		
8,500.0	7,301.3	9,008.8	7,505.0	40.4	55.4	105.69	606.7	2,630.8	753.0	706.2	46.86	16.072		
8,521.1	7,301.2	9,029.9	7,505.0	40.4	55.4	105.70	627.7	2,630.8	753.0	705.8	47.26	15.934		
8,600.0	7,300.1	9,108.8	7,505.0	40.8	55.6	105.80	706.7	2,630.9	752.9	704.1	48.74	15.445		
8,621.3	7,299.8	9,130.1	7,505.0	40.9	55.6	105.83	727.9	2,631.0	752.8	703.6	49.18	15.306		
8,700.0	7,298.2	9,208.8	7,505.0	41.4	55.8	105.95	806.6	2,631.1	752.7	701.9	50.81	14.814		
8,770.8	7,296.7	9,279.5	7,505.0	41.8	56.0	106.10	877.4	2,631.2	752.4	700.0	52.36	14.370		
8,800.0	7,295.8	9,308.8	7,505.0	42.0	56.0	106.16	906.6	2,631.2	752.7	699.7	53.00	14.203		
8,900.0	7,294.9	9,408.7	7,505.0	42.7	56.4	106.28	1,006.5	2,631.3	749.3	694.2	55.13	13.592		
8,924.0	7,295.0	9,432.7	7,505.0	42.9	56.5	106.29	1,030.5	2,631.4	748.6	692.9	55.70	13.441		
9,000.0	7,295.8	9,508.6	7,505.0	43.5	56.7	106.26	1,106.5	2,631.5	746.9	689.4	57.52	12.985		
9,023.4	7,296.0	9,532.0	7,505.0	43.7	56.8	106.26	1,129.8	2,631.5	746.4	688.2	58.14	12.836		
9,100.0	7,296.4	9,608.6	7,505.0	44.4	57.2	106.26	1,206.5	2,631.6	744.8	684.6	60.20	12.372		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1877-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		
9,123.2	7,296.5	9,631.8	7,505.0	44.6	57.3	106.26	1,229.7	2,631.6	744.3	683.5	60.85	12.233		
9,200.0	7,296.7	9,708.6	7,505.0	45.3	57.7	106.29	1,306.4	2,631.7	742.8	679.8	62.98	11.795		
9,223.1	7,296.7	9,731.7	7,505.0	45.9	57.8	106.29	1,329.5	2,631.8	742.4	678.8	63.62	11.670		
9,300.0	7,296.7	9,808.6	7,505.0	47.7	58.3	106.31	1,406.4	2,631.9	741.5	675.8	65.76	11.277		
9,303.4	7,296.8	9,812.0	7,505.0	47.7	58.3	106.31	1,409.8	2,631.9	741.5	675.7	65.84	11.263		
9,400.0	7,300.4	9,908.4	7,505.0	48.4	58.9	106.20	1,506.3	2,632.0	743.8	675.4	68.40	10.875		
9,400.3	7,300.4	9,908.7	7,505.0	48.4	58.9	106.20	1,506.6	2,632.0	743.8	675.4	68.41	10.874		
9,500.0	7,306.8	10,007.9	7,505.0	49.0	59.6	105.65	1,605.7	2,632.1	750.0	678.7	71.29	10.521		
9,500.0	7,306.8	10,007.9	7,505.0	49.0	59.6	105.65	1,605.7	2,632.1	750.0	678.7	71.29	10.521		
9,600.0	7,313.1	10,107.3	7,505.0	49.7	60.3	105.01	1,705.1	2,632.3	756.9	682.7	74.26	10.193		
9,600.3	7,313.2	10,107.6	7,505.0	49.7	60.3	105.01	1,705.5	2,632.3	756.9	682.7	74.27	10.192		
9,700.0	7,319.4	10,206.7	7,505.0	50.4	61.2	104.39	1,804.5	2,632.4	763.9	686.6	77.32	9.880		
9,700.0	7,319.4	10,206.7	7,505.0	50.4	61.2	104.39	1,804.6	2,632.4	763.9	686.6	77.32	9.880		
9,800.0	7,325.7	10,306.1	7,505.0	51.2	62.1	103.77	1,904.0	2,632.5	771.0	690.5	80.45	9.583		
9,800.0	7,325.7	10,306.1	7,505.0	51.2	62.1	103.77	1,904.0	2,632.5	771.0	690.5	80.45	9.583		
9,900.0	7,331.5	10,405.6	7,505.0	52.0	63.0	103.07	2,003.5	2,632.7	777.4	693.7	83.62	9.297		
9,900.0	7,331.5	10,405.7	7,505.0	52.0	63.0	103.07	2,003.5	2,632.7	777.4	693.7	83.62	9.297		
10,000.0	7,334.9	10,505.5	7,505.0	52.9	64.0	102.61	2,103.3	2,632.8	780.9	694.2	86.72	9.004		
10,003.6	7,335.0	10,509.1	7,505.0	53.0	64.1	102.60	2,106.9	2,632.8	781.0	694.1	86.84	8.993		
10,100.0	7,336.0	10,605.5	7,505.0	53.9	65.1	102.49	2,203.3	2,632.9	781.4	691.6	89.77	8.704		
10,122.3	7,336.0	10,627.8	7,505.0	54.1	65.3	102.49	2,225.6	2,633.0	781.2	690.7	90.46	8.636		
10,200.0	7,336.0	10,705.5	7,505.0	55.0	66.2	102.51	2,303.3	2,633.1	780.5	687.7	92.82	8.408		
10,222.3	7,336.0	10,727.8	7,505.0	55.2	66.5	102.51	2,325.6	2,633.1	780.3	686.8	93.51	8.344		
10,300.0	7,336.0	10,805.4	7,505.0	56.0	67.4	102.52	2,403.3	2,633.2	779.6	683.7	95.92	8.127		
10,322.3	7,336.0	10,827.8	7,505.0	56.3	67.7	102.52	2,425.6	2,633.2	779.4	682.8	96.62	8.066		
10,400.0	7,336.0	10,905.4	7,505.0	57.1	68.6	102.54	2,503.3	2,633.3	778.7	679.6	99.06	7.861		
10,422.3	7,336.0	10,927.8	7,505.0	57.4	68.9	102.54	2,525.6	2,633.4	778.5	678.7	99.77	7.802		
10,500.0	7,336.0	11,005.4	7,505.0	58.3	69.9	102.55	2,603.3	2,633.5	777.8	675.5	102.24	7.607		
10,522.3	7,336.0	11,027.8	7,505.0	58.6	70.2	102.55	2,625.6	2,633.5	777.6	674.6	102.96	7.552		
10,600.0	7,336.0	11,105.4	7,505.0	59.5	71.2	102.57	2,703.3	2,633.6	776.9	671.4	105.46	7.366		
10,622.3	7,336.0	11,127.8	7,505.0	59.8	71.5	102.57	2,725.6	2,633.6	776.6	670.5	106.19	7.314		
10,700.0	7,336.0	11,205.4	7,505.0	60.7	72.6	102.58	2,803.3	2,633.7	775.9	667.2	108.71	7.138		
10,722.3	7,336.0	11,227.8	7,505.0	61.0	72.9	102.58	2,825.6	2,633.8	775.7	666.3	109.45	7.088		
10,800.0	7,336.0	11,305.4	7,505.0	62.0	74.0	102.60	2,903.3	2,633.9	775.0	663.0	112.00	6.920		
10,822.3	7,336.0	11,327.8	7,505.0	62.3	74.3	102.60	2,925.6	2,633.9	774.8	662.1	112.73	6.873		
10,900.0	7,336.0	11,405.4	7,505.0	63.3	75.4	102.61	3,003.3	2,634.0	774.1	658.8	115.31	6.714		
10,922.3	7,336.0	11,427.8	7,505.0	63.6	75.7	102.61	3,025.6	2,634.0	773.9	657.9	116.05	6.669		
11,000.0	7,336.0	11,505.4	7,505.0	64.6	76.8	102.63	3,103.3	2,634.2	773.2	654.6	118.64	6.517		
11,022.3	7,336.0	11,527.8	7,505.0	64.9	77.2	102.63	3,125.6	2,634.2	773.0	653.6	119.39	6.475		
11,100.0	7,336.0	11,605.4	7,505.0	66.0	78.3	102.64	3,203.3	2,634.3	772.3	650.3	122.00	6.330		
11,122.3	7,336.0	11,627.7	7,505.0	66.3	78.7	102.64	3,225.6	2,634.3	772.1	649.4	122.76	6.290		
11,200.0	7,336.0	11,705.4	7,505.0	67.4	79.8	102.66	3,303.2	2,634.4	771.4	646.0	125.38	6.152		
11,222.3	7,336.0	11,727.7	7,505.0	67.7	80.2	102.66	3,325.6	2,634.5	771.2	645.1	126.14	6.114		
11,300.0	7,336.0	11,805.4	7,505.0	68.8	81.4	102.67	3,403.2	2,634.6	770.5	641.7	128.78	5.983		
11,322.3	7,336.0	11,827.7	7,505.0	69.1	81.7	102.67	3,425.6	2,634.6	770.3	640.8	129.54	5.946		
11,400.0	7,336.0	11,905.4	7,505.0	70.3	82.9	102.69	3,503.2	2,634.7	769.6	637.4	132.20	5.821		
11,422.3	7,336.0	11,927.7	7,505.0	70.6	83.2	102.69	3,525.6	2,634.7	769.4	636.4	132.97	5.786		
11,500.0	7,336.0	12,005.4	7,505.0	71.7	84.5	102.70	3,603.2	2,634.8	768.7	633.1	135.63	5.667		
11,522.3	7,336.0	12,027.7	7,505.0	72.1	84.8	102.70	3,625.6	2,634.9	768.5	632.1	136.40	5.634		
11,600.0	7,336.0	12,105.4	7,505.0	73.2	86.0	102.72	3,703.2	2,635.0	767.8	628.7	139.08	5.520		
11,622.3	7,336.0	12,127.7	7,505.0	73.6	86.4	102.72	3,725.6	2,635.0	767.6	627.7	139.86	5.488		
11,700.0	7,336.0	12,205.4	7,505.0	74.8	87.6	102.73	3,803.2	2,635.1	766.9	624.3	142.55	5.380		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1877-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		
11,722.3	7,336.0	12,227.7	7,505.0	75.1	88.0	102.74	3,825.5	2,635.1	766.7	623.3	143.32	5.349		
11,800.0	7,336.0	12,305.4	7,505.0	76.3	89.3	102.75	3,903.2	2,635.2	766.0	619.9	146.03	5.245		
11,822.3	7,336.0	12,327.7	7,505.0	76.6	89.6	102.75	3,925.5	2,635.3	765.8	619.0	146.80	5.216		
11,900.0	7,336.0	12,405.4	7,505.0	77.8	90.9	102.76	4,003.2	2,635.4	765.1	615.5	149.51	5.117		
11,922.3	7,336.0	12,427.7	7,505.0	78.2	91.3	102.77	4,025.5	2,635.4	764.9	614.6	150.30	5.089		
12,000.0	7,336.0	12,505.4	7,505.0	79.4	92.5	102.78	4,103.2	2,635.5	764.2	611.1	153.02	4.994		
12,022.3	7,336.0	12,527.7	7,505.0	79.8	92.9	102.78	4,125.5	2,635.5	763.9	610.1	153.80	4.967		
12,100.0	7,336.0	12,605.4	7,505.0	81.0	94.2	102.79	4,203.2	2,635.6	763.2	606.7	156.53	4.876		
12,122.3	7,336.0	12,627.7	7,505.0	81.4	94.6	102.80	4,225.5	2,635.7	763.0	605.7	157.31	4.850		
12,200.0	7,336.0	12,705.4	7,505.0	82.6	95.9	102.81	4,303.2	2,635.8	762.3	602.3	160.05	4.763		
12,222.3	7,336.0	12,727.7	7,505.0	83.0	96.2	102.81	4,325.5	2,635.8	762.1	601.3	160.83	4.739		
12,300.0	7,336.0	12,805.4	7,505.0	84.2	97.5	102.82	4,403.2	2,635.9	761.4	597.9	163.58	4.655		
12,322.3	7,336.0	12,827.7	7,505.0	84.6	97.9	102.83	4,425.5	2,635.9	761.2	596.9	164.37	4.631		
12,400.0	7,336.0	12,905.4	7,505.0	85.9	99.2	102.84	4,503.2	2,636.0	760.5	593.4	167.12	4.551		
12,422.3	7,336.0	12,927.7	7,505.0	86.2	99.6	102.84	4,525.5	2,636.1	760.3	592.4	167.91	4.528		
12,500.0	7,336.0	13,005.4	7,505.0	87.5	100.9	102.86	4,603.2	2,636.2	759.6	589.0	170.66	4.451		
12,522.3	7,336.0	13,027.7	7,505.0	87.9	101.3	102.86	4,625.5	2,636.2	759.4	588.0	171.45	4.429		
12,600.0	7,336.0	13,105.3	7,505.0	89.2	102.6	102.87	4,703.2	2,636.3	758.7	584.5	174.21	4.355		
12,622.3	7,336.0	13,127.7	7,505.0	89.5	103.0	102.87	4,725.5	2,636.3	758.5	583.5	175.01	4.334		
12,700.0	7,336.0	13,205.3	7,505.0	90.8	104.3	102.89	4,803.2	2,636.4	757.8	580.0	177.78	4.263		
12,722.3	7,336.0	13,227.7	7,505.0	91.2	104.7	102.89	4,825.5	2,636.5	757.6	579.0	178.57	4.243		
12,800.0	7,336.0	13,305.3	7,505.0	92.5	106.1	102.90	4,903.2	2,636.6	756.9	575.6	181.34	4.174		
12,822.3	7,336.0	13,327.6	7,505.0	92.9	106.4	102.91	4,925.5	2,636.6	756.7	574.6	182.14	4.155		
12,900.0	7,336.0	13,405.3	7,505.0	94.2	107.8	102.92	5,003.2	2,636.7	756.0	571.1	184.91	4.088		
12,922.3	7,336.0	13,427.6	7,505.0	94.6	108.2	102.92	5,025.5	2,636.7	755.8	570.1	185.71	4.070		
13,000.0	7,336.0	13,505.3	7,505.0	95.9	109.5	102.93	5,103.2	2,636.9	755.1	566.6	188.49	4.006		
13,022.3	7,336.0	13,527.6	7,505.0	96.3	109.9	102.94	5,125.5	2,636.9	754.9	565.6	189.29	3.988		
13,100.0	7,336.0	13,605.3	7,505.0	97.6	111.3	102.95	5,203.2	2,637.0	754.2	562.1	192.08	3.926		
13,122.3	7,336.0	13,627.6	7,505.0	98.0	111.7	102.95	5,225.5	2,637.0	754.0	561.1	192.88	3.909		
13,200.0	7,336.0	13,705.3	7,505.0	99.3	113.0	102.97	5,303.2	2,637.1	753.3	557.6	195.67	3.850		
13,222.3	7,336.0	13,727.6	7,505.0	99.7	113.4	102.97	5,325.5	2,637.1	753.1	556.6	196.47	3.833		
13,300.0	7,336.0	13,805.3	7,505.0	101.0	114.8	102.98	5,403.2	2,637.3	752.4	553.1	199.26	3.776		
13,322.3	7,336.0	13,827.6	7,505.0	101.4	115.2	102.98	5,425.5	2,637.3	752.2	552.1	200.06	3.760		
13,400.0	7,336.0	13,905.3	7,505.0	102.8	116.5	103.00	5,503.1	2,637.4	751.5	548.6	202.86	3.704		
13,422.3	7,336.0	13,927.6	7,505.0	103.2	116.9	103.00	5,525.4	2,637.4	751.3	547.6	203.66	3.689		
13,500.0	7,336.0	14,005.3	7,505.0	104.5	118.3	103.01	5,603.1	2,637.5	750.6	544.1	206.46	3.635		
13,522.3	7,336.0	14,027.6	7,505.0	104.9	118.7	103.02	5,625.4	2,637.6	750.4	543.1	207.26	3.620		
13,600.0	7,336.0	14,105.3	7,505.0	106.3	120.1	103.03	5,703.1	2,637.7	749.6	539.6	210.06	3.569		
13,622.3	7,336.0	14,127.6	7,505.0	106.6	120.5	103.03	5,725.4	2,637.7	749.4	538.6	210.87	3.554		
13,700.0	7,336.0	14,205.3	7,505.0	108.0	121.8	103.05	5,803.1	2,637.8	748.7	535.1	213.67	3.504		
13,722.3	7,336.0	14,227.6	7,505.0	108.4	122.2	103.05	5,825.4	2,637.8	748.5	534.1	214.48	3.490		
13,800.0	7,336.0	14,305.3	7,505.0	109.8	123.6	103.06	5,903.1	2,637.9	747.8	530.6	217.29	3.442		
13,822.3	7,336.0	14,327.6	7,505.0	110.2	124.0	103.06	5,925.4	2,638.0	747.6	529.5	218.09	3.428		
13,900.0	7,336.0	14,405.3	7,505.0	111.5	125.4	103.08	6,003.1	2,638.1	746.9	526.0	220.90	3.381		
13,922.3	7,336.0	14,427.6	7,505.0	111.9	125.8	103.08	6,025.4	2,638.1	746.7	525.0	221.71	3.368		
14,000.0	7,336.0	14,505.3	7,505.0	113.3	127.2	103.09	6,103.1	2,638.2	746.0	521.5	224.52	3.323		
14,022.3	7,336.0	14,527.6	7,505.0	113.7	127.6	103.10	6,125.4	2,638.2	745.8	520.5	225.33	3.310		
14,100.0	7,336.0	14,605.3	7,505.0	115.1	129.0	103.11	6,203.1	2,638.3	745.1	517.0	228.14	3.266		
14,122.3	7,336.0	14,627.6	7,505.0	115.5	129.4	103.11	6,225.4	2,638.4	744.9	516.0	228.95	3.254		
14,200.0	7,336.0	14,705.3	7,505.0	116.8	130.8	103.13	6,303.1	2,638.5	744.2	512.4	231.77	3.211		
14,222.3	7,336.0	14,727.6	7,505.0	117.2	131.2	103.13	6,325.4	2,638.5	744.0	511.4	232.58	3.199		
14,300.0	7,336.0	14,805.3	7,505.0	118.6	132.6	103.14	6,403.1	2,638.6	743.3	507.9	235.40	3.158		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We													Offset Site Error:	0.0 ft
Survey Program: 134-MWD, 1877-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		
14,322.3	7,336.0	14,827.6	7,505.0	119.0	133.0	103.15	6,425.4	2,638.6	743.1	506.9	236.21	3.146		
14,400.0	7,336.0	14,905.3	7,505.0	120.4	134.4	103.16	6,503.1	2,638.7	742.4	503.4	239.03	3.106		
14,422.3	7,336.0	14,927.6	7,505.0	120.8	134.8	103.16	6,525.4	2,638.8	742.2	502.4	239.84	3.095		
14,500.0	7,336.0	15,005.3	7,505.0	122.2	136.2	103.17	6,603.1	2,638.9	741.5	498.8	242.66	3.056		
14,522.3	7,336.0	15,027.5	7,505.0	122.6	136.6	103.18	6,625.4	2,638.9	741.3	497.8	243.47	3.045		
14,600.0	7,336.0	15,105.3	7,505.0	124.0	138.0	103.19	6,703.1	2,639.0	740.6	494.3	246.29	3.007		
14,622.3	7,336.0	15,127.5	7,505.0	124.4	138.4	103.20	6,725.4	2,639.0	740.4	493.3	247.10	2.996		
14,700.0	7,336.0	15,205.3	7,505.0	125.8	139.8	103.21	6,803.1	2,639.1	739.7	489.8	249.93	2.960		
14,722.3	7,336.0	15,227.5	7,505.0	126.2	140.2	103.21	6,825.4	2,639.2	739.5	488.7	250.74	2.949		
14,800.0	7,336.0	15,305.3	7,505.0	127.6	141.6	103.22	6,903.1	2,639.3	738.8	485.2	253.57	2.914		
14,822.3	7,336.0	15,327.5	7,505.0	128.0	142.0	103.23	6,925.4	2,639.3	738.6	484.2	254.38	2.903		
14,900.0	7,336.0	15,405.2	7,505.0	129.4	143.4	103.24	7,003.1	2,639.4	737.9	480.7	257.21	2.869		
14,922.3	7,336.0	15,427.5	7,505.0	129.8	143.8	103.24	7,025.4	2,639.4	737.7	479.7	258.02	2.859		
15,000.0	7,336.0	15,505.2	7,505.0	131.2	145.3	103.26	7,103.1	2,639.5	737.0	476.1	260.85	2.825		
15,022.3	7,336.0	15,527.5	7,505.0	131.6	145.7	103.26	7,125.3	2,639.6	736.8	475.1	261.66	2.816		
15,100.0	7,336.0	15,605.2	7,505.0	133.0	147.1	103.27	7,203.1	2,639.7	736.1	471.6	264.49	2.783		
15,122.3	7,336.0	15,627.5	7,505.0	133.4	147.5	103.28	7,225.3	2,639.7	735.9	470.6	265.31	2.774		
15,200.0	7,336.0	15,705.2	7,505.0	134.8	148.9	103.29	7,303.1	2,639.8	735.2	467.0	268.14	2.742		
15,222.3	7,336.0	15,727.5	7,505.0	135.2	149.3	103.29	7,325.3	2,639.8	735.0	466.0	268.95	2.733		
15,300.0	7,336.0	15,805.2	7,505.0	136.7	150.7	103.31	7,403.1	2,640.0	734.3	462.5	271.79	2.702		
15,322.3	7,336.0	15,827.5	7,505.0	137.1	151.1	103.31	7,425.3	2,640.0	734.1	461.5	272.60	2.693		
15,400.0	7,336.0	15,905.2	7,505.0	138.5	152.6	103.32	7,503.1	2,640.1	733.4	457.9	275.43	2.663		
15,422.3	7,336.0	15,927.5	7,505.0	138.9	153.0	103.33	7,525.3	2,640.1	733.2	456.9	276.25	2.654		
15,500.0	7,336.0	16,005.2	7,505.0	140.3	154.4	103.34	7,603.1	2,640.2	732.4	453.4	279.08	2.624		
15,522.3	7,336.0	16,027.5	7,505.0	140.7	154.8	103.34	7,625.3	2,640.3	732.2	452.4	279.90	2.616		
15,600.0	7,336.0	16,105.2	7,505.0	142.1	156.2	103.36	7,703.1	2,640.4	731.5	448.8	282.73	2.587		
15,622.3	7,336.0	16,127.5	7,505.0	142.5	156.6	103.36	7,725.3	2,640.4	731.3	447.8	283.55	2.579		
15,700.0	7,336.0	16,205.2	7,505.0	144.0	158.1	103.37	7,803.0	2,640.5	730.6	444.3	286.39	2.551		
15,722.3	7,336.0	16,227.5	7,505.0	144.4	158.5	103.38	7,825.3	2,640.5	730.4	443.2	287.20	2.543		
15,800.0	7,336.0	16,305.2	7,505.0	145.8	159.9	103.39	7,903.0	2,640.6	729.7	439.7	290.04	2.516		
15,822.3	7,336.0	16,327.5	7,505.0	146.2	160.3	103.40	7,925.3	2,640.7	729.5	438.7	290.85	2.508		
15,900.0	7,336.0	16,405.2	7,505.0	147.6	161.7	103.41	8,003.0	2,640.8	728.8	435.1	293.69	2.482		
15,922.3	7,336.0	16,427.5	7,505.0	148.0	162.1	103.41	8,025.3	2,640.8	728.6	434.1	294.51	2.474		
16,000.0	7,336.0	16,505.2	7,505.0	149.4	163.6	103.43	8,103.0	2,640.9	727.9	430.6	297.35	2.448		
16,022.3	7,336.0	16,527.5	7,505.0	149.9	164.0	103.43	8,125.3	2,640.9	727.7	429.6	298.16	2.441		
16,100.0	7,336.0	16,605.2	7,505.0	151.3	165.4	103.44	8,203.0	2,641.0	727.0	426.0	301.00	2.415		
16,122.3	7,336.0	16,627.5	7,505.0	151.7	165.8	103.45	8,225.3	2,641.1	726.8	425.0	301.82	2.408		
16,200.0	7,336.0	16,705.2	7,505.0	153.1	167.3	103.46	8,303.0	2,641.2	726.1	421.5	304.66	2.383		
16,222.3	7,336.0	16,727.4	7,505.0	153.5	167.7	103.46	8,325.3	2,641.2	725.9	420.4	305.47	2.376		
16,300.0	7,336.0	16,805.2	7,505.0	155.0	169.1	103.48	8,403.0	2,641.3	725.2	416.9	308.32	2.352		
16,322.3	7,336.0	16,827.4	7,505.0	155.4	169.5	103.48	8,425.3	2,641.3	725.0	415.9	309.13	2.345		
16,400.0	7,336.0	16,905.2	7,505.0	156.8	170.9	103.49	8,503.0	2,641.4	724.3	412.3	311.98	2.322		
16,422.3	7,336.0	16,927.4	7,505.0	157.2	171.4	103.50	8,525.3	2,641.5	724.1	411.3	312.79	2.315		
16,500.0	7,336.0	17,005.2	7,505.0	158.6	172.8	103.51	8,603.0	2,641.6	723.4	407.8	315.63	2.292		
16,522.3	7,336.0	17,027.4	7,505.0	159.1	173.2	103.51	8,625.3	2,641.6	723.2	406.8	316.45	2.285		
16,600.0	7,336.0	17,105.2	7,505.0	160.5	174.6	103.53	8,703.0	2,641.7	722.5	403.2	319.29	2.263		
16,622.3	7,336.0	17,127.4	7,505.0	160.9	175.1	103.53	8,725.3	2,641.7	722.3	402.2	320.11	2.256		
16,700.0	7,336.0	17,205.2	7,505.0	162.3	176.5	103.55	8,803.0	2,641.8	721.6	398.6	322.95	2.234		
16,722.3	7,336.0	17,227.4	7,505.0	162.8	176.9	103.55	8,825.3	2,641.9	721.4	397.6	323.77	2.228		
16,800.0	7,336.0	17,305.2	7,505.0	164.2	178.3	103.56	8,903.0	2,642.0	720.7	394.1	326.61	2.207		
16,822.3	7,336.0	17,327.4	7,505.0	164.6	178.8	103.57	8,925.3	2,642.0	720.5	393.1	327.43	2.200		
16,900.0	7,336.0	17,405.2	7,505.0	166.0	180.2	103.58	9,003.0	2,642.1	719.8	389.5	330.28	2.179		

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

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design		Brighton Lakes Pad Sec.20-T1S-R66W - Brighton Lakes 20-17-3NBH - Brighton Lakes 20-17-3 NBH We										Offset Site Error:		0.0 ft
Survey Program:		134-MWD, 1877-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)			
16,922.2	7,336.0	17,427.4	7,505.0	166.5	180.6	103.58	9,025.2	2,642.1	719.6	388.5	331.09	2.173		
17,000.0	7,336.0	17,505.2	7,505.0	167.9	182.1	103.60	9,103.0	2,642.2	718.9	384.9	333.94	2.153		
17,022.2	7,336.0	17,527.4	7,505.0	168.3	182.5	103.60	9,125.2	2,642.3	718.7	383.9	334.75	2.147		
17,100.0	7,336.0	17,605.2	7,505.0	169.7	183.9	103.61	9,203.0	2,642.4	718.0	380.4	337.60	2.127		
17,122.2	7,336.0	17,627.4	7,505.0	170.2	184.3	103.62	9,225.2	2,642.4	717.8	379.4	338.41	2.121		
17,200.0	7,336.0	17,705.2	7,505.0	171.6	185.8	103.63	9,303.0	2,642.5	717.1	375.8	341.26	2.101		
17,222.2	7,336.0	17,727.4	7,505.0	172.0	186.2	103.64	9,325.2	2,642.5	716.9	374.8	342.08	2.096		
17,300.0	7,336.0	17,805.1	7,505.0	173.5	187.6	103.65	9,403.0	2,642.6	716.2	371.2	344.93	2.076		
17,322.2	7,336.0	17,827.4	7,505.0	173.9	188.0	103.65	9,425.2	2,642.7	716.0	370.2	345.74	2.071		
17,400.0	7,336.0	17,905.1	7,505.0	175.3	189.5	103.67	9,503.0	2,642.8	715.3	366.7	348.59	2.052		
17,422.2	7,336.0	17,927.4	7,505.0	175.7	189.9	103.67	9,525.2	2,642.8	715.1	365.7	349.40	2.047		
17,500.0	7,336.0	18,005.1	7,505.0	177.2	191.3	103.68	9,603.0	2,642.9	714.4	362.1	352.25	2.028		
17,521.6	7,336.0	18,026.7	7,505.0	177.6	191.7	103.69	9,624.6	2,642.9	714.2	361.1	353.04	2.023		
17,597.1	7,336.0	18,102.3	7,505.0	179.0	193.1	103.70	9,700.1	2,643.0	713.5	357.7	355.81	2.005 SF		

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design Existing Wells Sec.20-T1S-R66W (GRID) - Case #1 (P&A) - Case #1 Wellbore #1 - Case #1 Wellbore #												Offset Site Error:	0.0 ft
Survey Program: 100-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	
16,200.0	7,336.0	7,303.2	7,302.4	153.1	15.2	90.44	9,116.1	2,381.8	926.9	852.2	74.69	12.409	
16,300.0	7,336.0	7,302.0	7,301.3	155.0	15.2	90.30	9,116.1	2,381.8	840.1	758.1	82.07	10.236	
16,400.0	7,336.0	7,300.9	7,300.1	156.8	15.2	90.15	9,116.1	2,381.8	756.6	665.3	91.32	8.285	
16,500.0	7,336.0	7,299.8	7,299.0	158.6	15.2	90.00	9,116.1	2,381.8	677.6	574.8	102.80	6.591	
16,600.0	7,336.0	7,298.6	7,297.8	160.5	15.2	89.85	9,116.1	2,381.7	604.7	488.0	116.78	5.178	
16,700.0	7,336.0	7,297.5	7,296.7	162.3	15.2	89.70	9,116.2	2,381.7	540.7	407.5	133.20	4.059	
16,800.0	7,336.0	7,296.3	7,295.5	164.2	15.2	89.55	9,116.2	2,381.7	488.8	337.7	151.10	3.235	
16,900.0	7,336.0	7,295.1	7,294.4	166.0	15.2	89.39	9,116.2	2,381.7	453.4	285.3	168.05	2.698	
17,000.0	7,336.0	7,294.0	7,293.2	167.9	15.2	89.24	9,116.2	2,381.7	438.4	258.1	180.29	2.432	
17,016.9	7,336.0	7,293.8	7,293.0	168.2	15.2	89.21	9,116.2	2,381.7	438.1	256.4	181.64	2.412 CC, ES, SF	
17,100.0	7,336.0	7,292.8	7,292.0	169.7	15.2	89.08	9,116.2	2,381.7	445.9	261.0	184.83	2.412	
17,200.0	7,336.0	7,291.6	7,290.8	171.6	15.2	88.93	9,116.2	2,381.6	474.8	293.1	181.70	2.613	
17,300.0	7,336.0	7,290.4	7,289.6	173.5	15.2	88.77	9,116.2	2,381.6	521.5	348.0	173.59	3.004	
17,400.0	7,336.0	7,289.1	7,288.4	175.3	15.2	88.61	9,116.3	2,381.6	581.9	418.4	163.50	3.559	
17,500.0	7,336.0	7,287.9	7,287.1	177.2	15.2	88.45	9,116.3	2,381.6	652.1	498.7	153.36	4.252	
17,597.1	7,336.0	7,286.7	7,285.9	179.0	15.2	88.29	9,116.3	2,381.6	727.0	582.6	144.34	5.036	

Company:	POCO Operating	Local Co-ordinate Reference:	Well Brighton Lakes 20-17-1NAH
Project:	Sec.20-T1S-R66W	TVD Reference:	RKB @ 5070.0ft (KB 23')
Reference Site:	Brighton Lakes Pad Sec.20-T1S-R66W	MD Reference:	RKB @ 5070.0ft (KB 23')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	Brighton Lakes 20-17-1NAH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Brighton Lakes 20-17-1NAH Wellbore #1	Database:	US_EDM
Reference Design:	Plan 4 (10-3-21) ST 9283'MD	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Existing Wells Sec.29-T1N-R66W - PC 1S-66-2928-2CDH (Exist.) - PC 1S-66-2928-2CDH Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 212-MWD													
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)		
7,100.0	6,795.1	11,979.1	7,729.3	37.6	98.1	155.53	-867.9	1,749.2	970.4	902.5	67.87	14.297	
7,200.0	6,885.3	12,011.1	7,728.8	38.0	99.0	163.88	-867.8	1,781.2	898.2	823.8	74.43	12.068	
7,300.0	6,970.3	12,037.0	7,728.3	38.2	99.6	165.64	-867.8	1,807.1	842.0	758.8	83.21	10.119	
7,400.0	7,048.8	12,055.9	7,727.9	38.4	100.2	166.82	-867.7	1,826.0	804.7	711.3	93.44	8.612	
7,500.0	7,118.1	12,076.3	7,727.6	38.6	100.7	166.13	-867.5	1,846.4	791.8	687.5	104.24	7.596	
7,517.8	7,130.0	12,080.0	7,727.6	38.7	100.8	166.21	-867.5	1,850.1	791.3	685.2	106.11	7.458 CC, ES	
7,600.0	7,180.0	12,098.2	7,727.5	38.9	101.3	166.26	-867.4	1,868.3	800.6	686.3	114.27	7.006	
7,600.0	7,180.0	12,098.3	7,727.5	38.9	101.3	166.26	-867.4	1,868.3	800.6	686.3	114.27	7.006	
7,700.0	7,230.4	12,117.3	7,727.6	39.0	101.8	169.91	-867.1	1,887.4	835.2	712.7	122.50	6.818 SF	
7,800.0	7,267.4	12,129.3	7,727.8	39.1	102.1	173.76	-867.0	1,899.4	893.2	764.9	128.35	6.959	
7,900.0	7,282.6	12,135.7	7,727.9	39.1	102.3	176.21	-866.9	1,905.8	973.3	841.5	131.77	7.386	

Reference Depths are relative to RKB @ 5070.0ft (KB 23')	Coordinates are relative to: Brighton Lakes 20-17-1NAH
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.45°



Grid Convergence at Surface is: 0.45°

