

Chevron DJ Basin

GEORGE 01N

George Pad

North American Datum 1983 , US State Plane 1983, Colorado Northern Zone

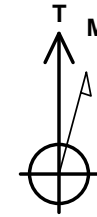
Ground Elevation: 4717.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1353646.74	3263604.52	40.300304	-104.554892

T41 - RKB 25' WELL @ 4742.0ft (T41 - RKB 25')



George Pad
GEORGE 01N
GEORGE 01N Final Surveys
9:02, March 27 2024



Azimuths to True North
Magnetic North: 7.66°

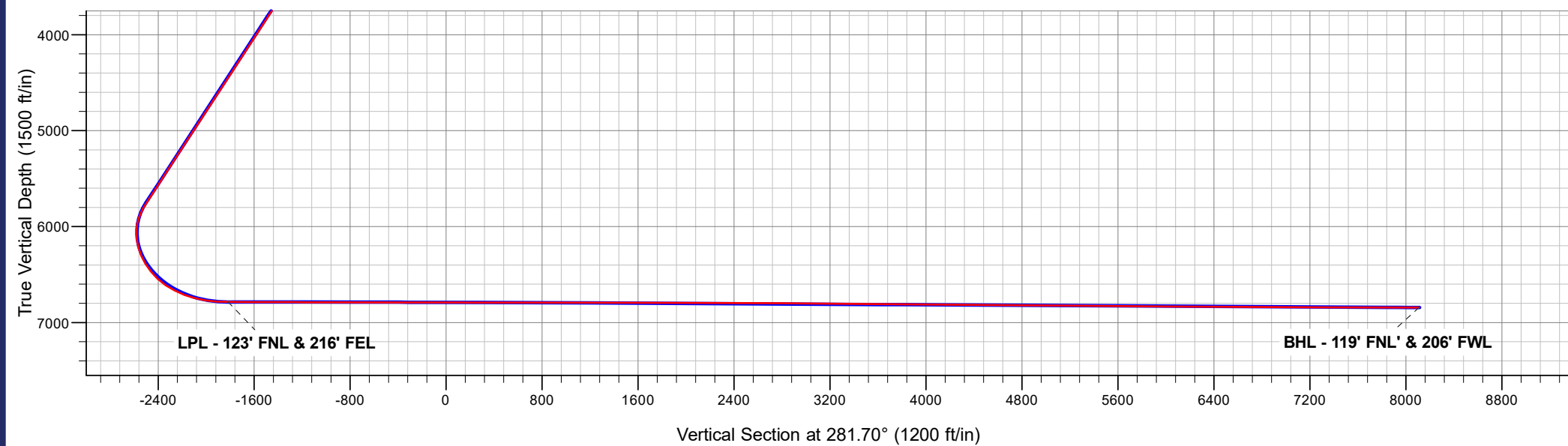
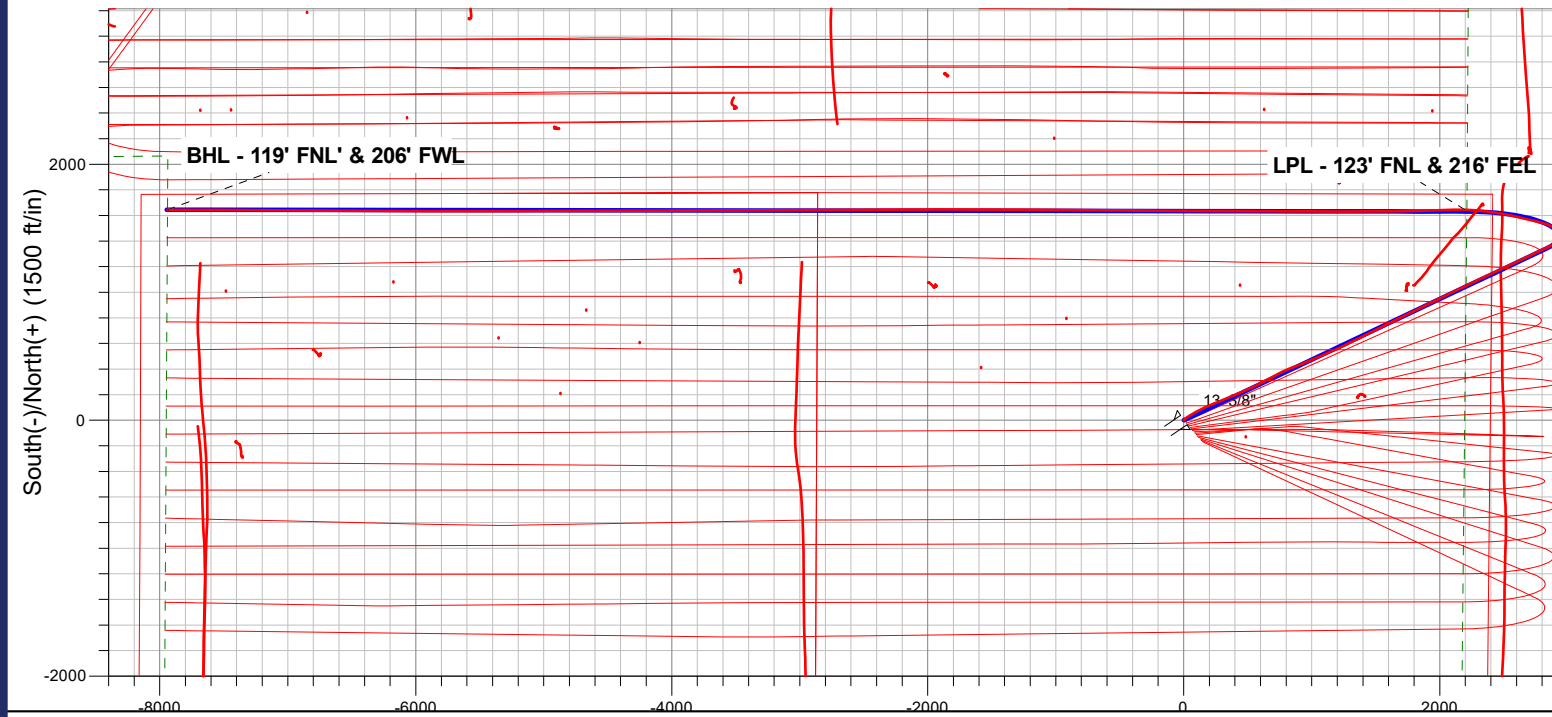
Magnetic Field
Strength: 51621.1nT
Dip Angle: 66.54°
Date: 02/14/2024
Model: HRGM

ANNOTATIONS

MD	TVD	Annotation
8163.0	6784.8	LPL - 123' FNL & 216' FEL
18300.0	6842.8	BHL - 119' FNL' & 206' FWL

FINAL SURVEY

Projected Bottom Hole Location
18300' MD / 6842.8' TVD
90.04° INC / 270.26° AZM
119' FNL / 206' FWL



Chevron DJ Basin

SEC.21-T4N-R64W

George Pad

GEORGE 01N

GEORGE 01N

Design: GEORGE 01N Final Surveys

Survey Report - Geographic

27 March, 2024

Ensign

Survey Report - Geographic

Company: Chevron DJ Basin	Local Co-ordinate Reference: Well GEORGE 01N
Project: SEC.21-T4N-R64W	TVD Reference: WELL @ 4742.0ft (T41 - RKB 25')
Site: George Pad	MD Reference: WELL @ 4742.0ft (T41 - RKB 25')
Well: GEORGE 01N	North Reference: True
Wellbore: GEORGE 01N	Survey Calculation Method: Minimum Curvature
Design: GEORGE 01N Final Surveys	Database: US_EDM

Project SEC.21-T4N-R64W, Weld 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 George Pad			
Site Position:	Northing:	1,353,524.28 usft	Latitude: 40.299965
From: Lat/Long	Easting:	3,263,715.11 usft	Longitude: -104.554500
Position Uncertainty: 0.0 ft	Slot Radius: 13-3/16 "		Grid Convergence: 0.61 °

Well GEORGE 01N			
Well Position	+N/-S	0.0 ft	Northing: 1,353,646.74 usft
	+E/-W	0.0 ft	Easting: 3,263,604.52 usft
Position Uncertainty 0.0 ft			Latitude: 40.300304
			Longitude: -104.554892
			Wellhead Elevation: ft
			Ground Level: 4,717.0 ft

Wellbore GEORGE 01N					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	02/14/2024	7.66	66.54	51,621.05048047

Design GEORGE 01N Final Surveys					
Audit Notes:					
Version: 1.0	Phase: ACTUAL		Tie On Depth: 0.0		
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	281.70	

Survey Program Date 03/15/2024					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
208.0	18,300.0	Survey #1 (GEORGE 01N)	MWD+IFR1+SAG+MS	OWSG MWD + IFR1 + Sag + Multi-Station Corre	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,353,646.74	3,263,604.52	40.300304	-104.554892
208.0	2.20	55.82	207.9	2.2	3.3	1,353,649.02	3,263,607.80	40.300311	-104.554880
300.0	3.78	46.86	299.8	5.3	7.0	1,353,652.12	3,263,611.44	40.300319	-104.554867
394.0	6.24	39.65	393.5	11.4	12.5	1,353,658.23	3,263,616.90	40.300336	-104.554847
488.0	7.65	54.42	486.8	18.9	20.8	1,353,665.90	3,263,625.16	40.300356	-104.554817
582.0	9.15	54.42	579.8	26.9	32.0	1,353,674.00	3,263,636.25	40.300378	-104.554777
677.0	12.22	56.88	673.1	36.8	46.6	1,353,684.05	3,263,650.71	40.300406	-104.554725
771.0	15.48	60.57	764.4	48.4	65.8	1,353,695.86	3,263,669.84	40.300437	-104.554656
865.0	18.38	60.57	854.3	61.9	89.7	1,353,709.56	3,263,693.54	40.300474	-104.554571
958.0	21.10	62.86	941.8	76.7	117.4	1,353,724.70	3,263,721.05	40.300515	-104.554471
1,052.0	22.86	65.32	1,029.0	92.1	149.0	1,353,740.37	3,263,752.53	40.300557	-104.554358
1,146.0	24.45	67.43	1,115.1	107.1	183.6	1,353,755.83	3,263,786.93	40.300599	-104.554234

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Well:	GEORGE 01N	North Reference:	True
Wellbore:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 01N Final Surveys	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,239.0	24.53	65.84	1,199.7	122.4	219.0	1,353,771.50	3,263,822.15	40.300641	-104.554107
1,334.0	24.01	65.14	1,286.3	138.6	254.5	1,353,788.07	3,263,857.50	40.300685	-104.553980
1,428.0	25.50	67.95	1,371.7	154.3	290.6	1,353,804.09	3,263,893.44	40.300728	-104.553850
1,522.0	26.29	67.95	1,456.2	169.7	328.6	1,353,819.91	3,263,931.32	40.300770	-104.553714
1,616.0	27.70	68.13	1,540.0	185.6	368.2	1,353,836.28	3,263,970.72	40.300814	-104.553572
1,710.0	28.93	68.83	1,622.7	202.0	409.7	1,353,853.07	3,264,012.02	40.300859	-104.553423
1,804.0	30.78	66.20	1,704.3	219.9	452.9	1,353,871.45	3,264,055.04	40.300908	-104.553268
1,897.0	31.74	65.49	1,783.8	239.7	496.9	1,353,891.67	3,264,098.85	40.300962	-104.553110
1,980.0	32.45	64.44	1,854.1	258.3	536.9	1,353,910.76	3,264,138.60	40.301014	-104.552967
2,054.0	30.51	64.10	1,917.2	275.1	571.7	1,353,927.90	3,264,173.23	40.301060	-104.552842
2,147.0	28.91	62.26	1,998.0	295.9	612.8	1,353,949.11	3,264,214.14	40.301117	-104.552695
2,241.0	27.96	62.87	2,080.6	316.5	652.6	1,353,970.16	3,264,253.64	40.301173	-104.552553
2,335.0	28.11	62.96	2,163.6	336.6	691.9	1,353,990.69	3,264,292.76	40.301228	-104.552412
2,428.0	29.76	59.43	2,245.0	358.3	731.3	1,354,012.81	3,264,331.91	40.301288	-104.552270
2,522.0	33.20	65.56	2,325.2	380.8	774.8	1,354,035.80	3,264,375.21	40.301350	-104.552114
2,617.0	33.98	66.52	2,404.3	402.2	822.9	1,354,057.65	3,264,423.01	40.301408	-104.551942
2,711.0	34.29	69.83	2,482.1	421.8	871.8	1,354,077.76	3,264,471.75	40.301462	-104.551766
2,804.0	34.46	69.78	2,558.9	439.9	921.1	1,354,096.41	3,264,520.83	40.301512	-104.551590
2,898.0	34.51	67.20	2,636.3	459.4	970.6	1,354,116.45	3,264,570.12	40.301565	-104.551412
2,992.0	33.82	67.56	2,714.1	479.7	1,019.3	1,354,137.27	3,264,618.63	40.301621	-104.551238
3,086.0	34.12	66.30	2,792.1	500.3	1,067.6	1,354,158.37	3,264,666.72	40.301678	-104.551064
3,180.0	34.35	66.29	2,869.8	521.6	1,116.1	1,354,180.14	3,264,714.91	40.301736	-104.550891
3,274.0	34.12	67.37	2,947.5	542.4	1,164.7	1,354,201.47	3,264,763.30	40.301793	-104.550716
3,368.0	34.72	64.19	3,025.1	564.2	1,213.1	1,354,223.78	3,264,811.50	40.301853	-104.550543
3,462.0	34.30	64.97	3,102.5	587.0	1,261.2	1,354,247.15	3,264,859.35	40.301916	-104.550370
3,556.0	33.16	62.01	3,180.7	610.3	1,307.9	1,354,270.92	3,264,905.80	40.301980	-104.550203
3,651.0	34.14	64.53	3,259.8	634.0	1,354.9	1,354,295.08	3,264,952.56	40.302045	-104.550034
3,744.0	34.20	63.71	3,336.7	656.8	1,401.9	1,354,318.38	3,264,999.30	40.302107	-104.549866
3,839.0	32.76	64.67	3,416.0	679.6	1,449.1	1,354,341.70	3,265,046.23	40.302170	-104.549697
3,932.0	32.57	63.04	3,494.3	701.7	1,494.2	1,354,364.29	3,265,091.04	40.302230	-104.549535
4,027.0	33.11	62.94	3,574.1	725.1	1,540.1	1,354,388.18	3,265,136.69	40.302295	-104.549371
4,120.0	33.42	64.76	3,651.8	747.6	1,585.8	1,354,411.14	3,265,182.23	40.302356	-104.549207
4,213.0	33.40	63.41	3,729.5	770.0	1,631.9	1,354,434.01	3,265,228.04	40.302418	-104.549041
4,307.0	33.41	63.27	3,807.9	793.2	1,678.1	1,354,457.72	3,265,274.04	40.302482	-104.548876
4,402.0	33.39	63.30	3,887.3	816.7	1,724.9	1,354,481.72	3,265,320.50	40.302546	-104.548708
4,496.0	33.38	63.38	3,965.7	839.9	1,771.1	1,354,505.42	3,265,366.47	40.302610	-104.548542
4,590.0	33.60	64.15	4,044.1	862.8	1,817.6	1,354,528.84	3,265,412.75	40.302673	-104.548376
4,685.0	33.49	63.88	4,123.3	885.8	1,864.8	1,354,552.34	3,265,459.69	40.302736	-104.548206
4,778.0	33.52	63.38	4,200.9	908.6	1,910.8	1,354,575.63	3,265,505.44	40.302798	-104.548041
4,872.0	33.56	63.44	4,279.2	931.9	1,957.2	1,354,599.37	3,265,551.63	40.302862	-104.547875
4,966.0	33.23	64.53	4,357.7	954.6	2,003.7	1,354,622.56	3,265,597.87	40.302924	-104.547708
5,060.0	33.45	64.37	4,436.2	976.8	2,050.3	1,354,645.34	3,265,644.24	40.302986	-104.547541
5,153.0	33.04	64.55	4,514.0	998.8	2,096.3	1,354,667.81	3,265,690.01	40.303046	-104.547376
5,248.0	33.16	64.58	4,593.6	1,021.1	2,143.2	1,354,690.59	3,265,736.61	40.303107	-104.547208
5,343.0	33.33	65.02	4,673.0	1,043.3	2,190.3	1,354,713.26	3,265,783.50	40.303168	-104.547039
5,436.0	33.20	64.71	4,750.8	1,065.0	2,236.5	1,354,735.42	3,265,829.44	40.303227	-104.546874
5,530.0	33.28	64.50	4,829.4	1,087.0	2,283.0	1,354,758.01	3,265,875.75	40.303288	-104.546707
5,625.0	33.39	63.93	4,908.8	1,109.8	2,330.1	1,354,781.22	3,265,922.51	40.303350	-104.546538
5,720.0	33.39	65.08	4,988.1	1,132.3	2,377.2	1,354,804.22	3,265,969.45	40.303412	-104.546369
5,813.0	33.39	65.45	5,065.8	1,153.7	2,423.7	1,354,826.13	3,266,015.71	40.303471	-104.546202
5,907.0	33.03	65.25	5,144.4	1,175.1	2,470.5	1,354,848.10	3,266,062.27	40.303530	-104.546035
6,001.0	32.88	64.28	5,223.3	1,196.9	2,516.8	1,354,870.39	3,266,108.28	40.303590	-104.545869
6,096.0	33.48	65.06	5,302.8	1,219.2	2,563.8	1,354,893.13	3,266,155.03	40.303651	-104.545700
6,189.0	32.70	63.89	5,380.7	1,241.1	2,609.6	1,354,915.49	3,266,200.61	40.303711	-104.545536
6,284.0	33.16	64.77	5,460.4	1,263.4	2,656.1	1,354,938.35	3,266,246.92	40.303772	-104.545369

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Well:	GEORGE 01N	North Reference:	True
Wellbore:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 01N Final Surveys	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,377.0	32.47	64.90	5,538.6	1,284.9	2,701.7	1,354,960.26	3,266,292.30	40.303831	-104.545206
6,471.0	32.93	65.07	5,617.7	1,306.3	2,747.8	1,354,982.22	3,266,338.08	40.303890	-104.545041
6,565.0	33.16	64.94	5,696.5	1,328.0	2,794.2	1,355,004.38	3,266,384.31	40.303949	-104.544874
6,659.0	32.96	65.33	5,775.3	1,349.6	2,840.7	1,355,026.43	3,266,430.60	40.304008	-104.544707
6,753.0	27.44	55.71	5,856.5	1,372.5	2,881.9	1,355,049.77	3,266,471.53	40.304071	-104.544559
6,847.0	21.51	45.68	5,942.1	1,396.7	2,912.2	1,355,074.37	3,266,501.54	40.304138	-104.544451
6,941.0	16.90	22.03	6,031.0	1,421.5	2,929.7	1,355,099.31	3,266,518.76	40.304206	-104.544388
7,036.0	15.51	352.95	6,122.3	1,446.9	2,933.3	1,355,124.79	3,266,522.12	40.304276	-104.544375
7,129.0	16.80	328.66	6,211.8	1,470.8	2,924.8	1,355,148.55	3,266,513.34	40.304341	-104.544406
7,224.0	21.59	312.73	6,301.5	1,494.4	2,904.8	1,355,171.95	3,266,493.08	40.304406	-104.544478
7,317.0	26.63	297.38	6,386.5	1,515.6	2,873.7	1,355,192.84	3,266,461.73	40.304464	-104.544589
7,411.0	32.77	287.29	6,468.1	1,532.9	2,830.6	1,355,209.66	3,266,418.49	40.304512	-104.544743
7,505.0	40.99	284.28	6,543.3	1,548.1	2,776.3	1,355,224.27	3,266,364.07	40.304553	-104.544938
7,599.0	49.12	283.28	6,609.6	1,563.9	2,711.8	1,355,239.38	3,266,299.33	40.304597	-104.545170
7,694.0	57.60	282.69	6,666.3	1,581.0	2,637.5	1,355,255.68	3,266,224.94	40.304644	-104.545436
7,787.0	64.03	282.34	6,711.6	1,598.6	2,558.3	1,355,272.41	3,266,145.54	40.304692	-104.545720
7,881.0	73.06	280.19	6,745.9	1,615.6	2,472.6	1,355,288.51	3,266,059.65	40.304739	-104.546027
7,976.0	78.67	277.75	6,769.1	1,629.9	2,381.6	1,355,301.87	3,265,968.55	40.304778	-104.546353
8,069.0	86.53	274.46	6,781.1	1,639.7	2,290.0	1,355,310.67	3,265,876.84	40.304805	-104.546682
8,163.0	88.94	271.84	6,784.8	1,644.9	2,196.3	1,355,314.83	3,265,783.02	40.304819	-104.547018
LPL - 123' FNL & 216' FEL									
8,257.0	89.46	268.20	6,786.1	1,644.9	2,102.3	1,355,313.86	3,265,689.06	40.304819	-104.547355
8,350.0	89.79	268.29	6,786.7	1,642.0	2,009.3	1,355,310.02	3,265,596.14	40.304812	-104.547688
8,445.0	89.73	268.24	6,787.1	1,639.2	1,914.4	1,355,306.14	3,265,501.23	40.304804	-104.548028
8,539.0	89.89	268.02	6,787.4	1,636.1	1,820.4	1,355,302.07	3,265,407.32	40.304795	-104.548365
8,633.0	89.83	268.26	6,787.7	1,633.0	1,726.5	1,355,298.02	3,265,313.41	40.304787	-104.548702
8,728.0	89.93	269.46	6,787.9	1,631.2	1,631.5	1,355,295.11	3,265,218.46	40.304782	-104.549043
8,822.0	89.76	270.42	6,788.1	1,631.1	1,537.5	1,355,294.01	3,265,124.47	40.304781	-104.549380
8,915.0	90.01	270.03	6,788.3	1,631.4	1,444.5	1,355,293.39	3,265,031.48	40.304782	-104.549713
9,008.0	89.92	269.97	6,788.4	1,631.4	1,351.5	1,355,292.40	3,264,938.49	40.304783	-104.550047
9,102.0	89.66	270.27	6,788.7	1,631.6	1,257.5	1,355,291.59	3,264,844.50	40.304783	-104.550384
9,195.0	89.90	269.87	6,789.1	1,631.7	1,164.5	1,355,290.71	3,264,751.51	40.304783	-104.550717
9,289.0	89.93	270.08	6,789.2	1,631.7	1,070.5	1,355,289.67	3,264,657.52	40.304783	-104.551054
9,383.0	89.77	270.27	6,789.5	1,632.0	976.5	1,355,288.96	3,264,563.53	40.304784	-104.551391
9,476.0	89.81	270.27	6,789.8	1,632.4	883.5	1,355,288.40	3,264,470.53	40.304785	-104.551724
9,570.0	89.85	270.38	6,790.1	1,632.9	789.5	1,355,287.93	3,264,376.54	40.304787	-104.552061
9,663.0	89.91	270.11	6,790.3	1,633.3	696.5	1,355,287.34	3,264,283.54	40.304788	-104.552395
9,758.0	90.01	270.13	6,790.3	1,633.5	601.5	1,355,286.53	3,264,188.55	40.304788	-104.552735
9,851.0	89.78	270.21	6,790.5	1,633.8	508.5	1,355,285.81	3,264,095.56	40.304789	-104.553069
9,945.0	89.89	270.10	6,790.8	1,634.1	414.5	1,355,285.07	3,264,001.57	40.304790	-104.553406
10,039.0	89.97	270.12	6,790.9	1,634.3	320.5	1,355,284.24	3,263,907.57	40.304790	-104.553743
10,133.0	90.03	270.23	6,790.9	1,634.5	226.5	1,355,283.53	3,263,813.58	40.304791	-104.554080
10,226.0	89.76	270.46	6,791.1	1,635.1	133.5	1,355,283.10	3,263,720.59	40.304793	-104.554413
10,321.0	89.69	270.34	6,791.5	1,635.8	38.5	1,355,282.75	3,263,625.59	40.304795	-104.554754
10,415.0	90.09	270.06	6,791.7	1,636.1	-55.5	1,355,282.07	3,263,531.60	40.304795	-104.555091
10,509.0	90.14	270.09	6,791.5	1,636.2	-149.5	1,355,281.20	3,263,437.61	40.304796	-104.555428
10,601.0	89.96	270.22	6,791.4	1,636.5	-241.5	1,355,280.46	3,263,345.62	40.304796	-104.555758
10,695.0	89.72	270.94	6,791.7	1,637.4	-335.5	1,355,280.41	3,263,251.62	40.304799	-104.556095
10,790.0	89.74	270.47	6,792.1	1,638.6	-430.5	1,355,280.57	3,263,156.63	40.304802	-104.556435
10,884.0	89.81	270.86	6,792.5	1,639.7	-524.5	1,355,280.66	3,263,062.63	40.304805	-104.556772
10,978.0	89.95	270.87	6,792.7	1,641.1	-618.5	1,355,281.08	3,262,968.64	40.304809	-104.557109
11,071.0	90.06	270.08	6,792.7	1,641.9	-711.5	1,355,280.86	3,262,875.64	40.304811	-104.557443
11,165.0	89.87	270.07	6,792.8	1,642.0	-805.5	1,355,279.98	3,262,781.65	40.304812	-104.557780
11,259.0	89.76	270.47	6,793.1	1,642.4	-899.5	1,355,279.42	3,262,687.66	40.304813	-104.558117
11,353.0	89.65	270.07	6,793.5	1,642.9	-993.4	1,355,278.86	3,262,593.66	40.304814	-104.558454

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Well:	GEORGE 01N	North Reference:	True
Wellbore:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 01N Final Surveys	Database:	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,448.0	89.90	270.31	6,793.9	1,643.2	-1,088.4	1,355,278.16	3,262,498.67	40.304815	-104.558795
11,542.0	89.86	270.28	6,794.1	1,643.7	-1,182.4	1,355,277.65	3,262,404.68	40.304816	-104.559132
11,636.0	89.79	270.74	6,794.4	1,644.5	-1,276.4	1,355,277.48	3,262,310.68	40.304818	-104.559469
11,730.0	89.87	270.28	6,794.7	1,645.3	-1,370.4	1,355,277.31	3,262,216.69	40.304821	-104.559806
11,824.0	89.95	270.77	6,794.8	1,646.2	-1,464.4	1,355,277.17	3,262,122.69	40.304823	-104.560143
11,918.0	89.75	270.52	6,795.1	1,647.3	-1,558.4	1,355,277.23	3,262,028.70	40.304826	-104.560480
12,013.0	90.06	269.80	6,795.2	1,647.5	-1,653.4	1,355,276.48	3,261,933.71	40.304827	-104.560820
12,106.0	89.98	269.88	6,795.2	1,647.3	-1,746.4	1,355,275.23	3,261,840.72	40.304826	-104.561154
12,201.0	89.79	269.64	6,795.4	1,646.9	-1,841.4	1,355,273.82	3,261,745.73	40.304825	-104.561494
12,295.0	89.86	269.91	6,795.7	1,646.5	-1,935.4	1,355,272.45	3,261,651.75	40.304824	-104.561831
12,388.0	89.79	270.01	6,796.0	1,646.4	-2,028.4	1,355,271.40	3,261,558.76	40.304824	-104.562165
12,481.0	89.82	269.73	6,796.3	1,646.2	-2,121.4	1,355,270.19	3,261,465.77	40.304823	-104.562498
12,575.0	89.88	269.73	6,796.5	1,645.8	-2,215.4	1,355,268.75	3,261,371.79	40.304822	-104.562835
12,669.0	89.91	269.91	6,796.7	1,645.5	-2,309.4	1,355,267.45	3,261,277.80	40.304821	-104.563172
12,762.0	89.54	269.51	6,797.1	1,645.0	-2,402.4	1,355,265.99	3,261,184.82	40.304820	-104.563506
12,856.0	89.19	269.74	6,798.2	1,644.4	-2,496.4	1,355,264.37	3,261,090.84	40.304818	-104.563843
12,950.0	89.39	269.72	6,799.3	1,644.0	-2,590.4	1,355,262.93	3,260,996.86	40.304817	-104.564180
13,044.0	89.43	269.99	6,800.3	1,643.7	-2,684.4	1,355,261.69	3,260,902.88	40.304816	-104.564517
13,138.0	89.52	269.41	6,801.2	1,643.2	-2,778.4	1,355,260.19	3,260,808.90	40.304815	-104.564854
13,231.0	89.40	269.65	6,802.1	1,642.5	-2,871.4	1,355,258.44	3,260,715.93	40.304812	-104.565187
13,325.0	89.41	269.77	6,803.0	1,642.0	-2,965.4	1,355,256.96	3,260,621.95	40.304811	-104.565524
13,419.0	89.27	269.83	6,804.1	1,641.7	-3,059.4	1,355,255.63	3,260,527.97	40.304810	-104.565861
13,512.0	89.46	269.65	6,805.1	1,641.2	-3,152.4	1,355,254.22	3,260,434.99	40.304809	-104.566194
13,606.0	89.33	269.64	6,806.1	1,640.7	-3,246.4	1,355,252.64	3,260,341.01	40.304807	-104.566531
13,700.0	89.63	269.64	6,807.0	1,640.1	-3,340.3	1,355,251.04	3,260,247.03	40.304806	-104.566868
13,794.0	89.29	269.84	6,807.9	1,639.6	-3,434.3	1,355,249.62	3,260,153.05	40.304805	-104.567205
13,888.0	89.16	269.62	6,809.1	1,639.2	-3,528.3	1,355,248.17	3,260,059.08	40.304803	-104.567542
13,981.0	89.36	270.10	6,810.3	1,639.0	-3,621.3	1,355,246.95	3,259,966.10	40.304803	-104.567876
14,075.0	89.35	269.85	6,811.4	1,638.9	-3,715.3	1,355,245.91	3,259,872.11	40.304802	-104.568213
14,169.0	89.62	269.77	6,812.3	1,638.6	-3,809.3	1,355,244.60	3,259,778.13	40.304802	-104.568550
14,262.0	89.27	270.04	6,813.2	1,638.5	-3,902.3	1,355,243.45	3,259,685.15	40.304801	-104.568883
14,356.0	89.45	269.51	6,814.2	1,638.1	-3,996.3	1,355,242.08	3,259,591.17	40.304800	-104.569220
14,450.0	89.51	270.10	6,815.1	1,637.8	-4,090.3	1,355,240.76	3,259,497.18	40.304799	-104.569557
14,544.0	89.42	269.72	6,815.9	1,637.6	-4,184.3	1,355,239.61	3,259,403.20	40.304799	-104.569894
14,636.0	89.29	269.65	6,817.0	1,637.1	-4,276.3	1,355,238.12	3,259,311.22	40.304797	-104.570224
14,730.0	89.35	269.53	6,818.1	1,636.5	-4,370.3	1,355,236.45	3,259,217.25	40.304795	-104.570561
14,824.0	89.50	269.71	6,819.0	1,635.8	-4,464.3	1,355,234.82	3,259,123.27	40.304794	-104.570898
14,917.0	89.29	270.10	6,820.0	1,635.7	-4,557.3	1,355,233.68	3,259,030.29	40.304793	-104.571231
15,012.0	89.30	269.93	6,821.2	1,635.7	-4,652.3	1,355,232.69	3,258,935.30	40.304793	-104.571572
15,106.0	89.56	269.83	6,822.1	1,635.5	-4,746.3	1,355,231.49	3,258,841.32	40.304793	-104.571909
15,200.0	89.65	269.85	6,822.8	1,635.2	-4,840.2	1,355,230.23	3,258,747.33	40.304792	-104.572246
15,293.0	89.57	269.98	6,823.4	1,635.1	-4,933.2	1,355,229.10	3,258,654.35	40.304791	-104.572579
15,388.0	89.46	270.01	6,824.2	1,635.1	-5,028.2	1,355,228.08	3,258,559.36	40.304791	-104.572920
15,482.0	89.63	269.81	6,824.9	1,634.9	-5,122.2	1,355,226.93	3,258,465.38	40.304791	-104.573257
15,576.0	89.16	269.88	6,825.9	1,634.7	-5,216.2	1,355,225.67	3,258,371.39	40.304790	-104.573594
15,670.0	89.35	269.70	6,827.2	1,634.3	-5,310.2	1,355,224.33	3,258,277.42	40.304789	-104.573931
15,765.0	89.39	269.80	6,828.2	1,633.9	-5,405.2	1,355,222.90	3,258,182.44	40.304788	-104.574272
15,859.0	89.29	269.57	6,829.3	1,633.4	-5,499.2	1,355,221.38	3,258,088.46	40.304786	-104.574609
15,953.0	89.50	269.59	6,830.3	1,632.7	-5,593.2	1,355,219.69	3,257,994.48	40.304784	-104.574946
16,046.0	89.37	270.11	6,831.2	1,632.5	-5,686.2	1,355,218.46	3,257,901.50	40.304784	-104.575279
16,140.0	89.41	270.34	6,832.2	1,632.9	-5,780.2	1,355,217.82	3,257,807.51	40.304785	-104.575616
16,234.0	89.28	270.33	6,833.3	1,633.4	-5,874.2	1,355,217.37	3,257,713.52	40.304786	-104.575953
16,329.0	89.48	270.43	6,834.3	1,634.0	-5,969.2	1,355,216.99	3,257,618.53	40.304788	-104.576294
16,423.0	89.40	270.14	6,835.2	1,634.5	-6,063.2	1,355,216.46	3,257,524.55	40.304789	-104.576631
16,517.0	89.49	270.21	6,836.1	1,634.8	-6,157.2	1,355,215.74	3,257,430.56	40.304790	-104.576968

Ensign

Survey Report - Geographic

Company: Chevron DJ Basin	Local Co-ordinate Reference: Well GEORGE 01N
Project: SEC.21-T4N-R64W	TVD Reference: WELL @ 4742.0ft (T41 - RKB 25')
Site: George Pad	MD Reference: WELL @ 4742.0ft (T41 - RKB 25')
Well: GEORGE 01N	North Reference: True
Wellbore: GEORGE 01N	Survey Calculation Method: Minimum Curvature
Design: GEORGE 01N Final Surveys	Database: US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,611.0	89.38	270.28	6,837.1	1,635.2	-6,251.2	1,355,215.14	3,257,336.57	40.304791	-104.577305
16,705.0	89.76	270.19	6,837.8	1,635.6	-6,345.2	1,355,214.52	3,257,242.58	40.304792	-104.577642
16,798.0	89.78	270.34	6,838.1	1,636.0	-6,438.2	1,355,213.96	3,257,149.58	40.304793	-104.577975
16,891.0	89.73	270.32	6,838.5	1,636.5	-6,531.2	1,355,213.51	3,257,056.59	40.304794	-104.578308
16,986.0	89.97	270.36	6,838.8	1,637.1	-6,626.2	1,355,213.06	3,256,961.59	40.304796	-104.578649
17,079.0	89.80	270.39	6,839.0	1,637.7	-6,719.1	1,355,212.68	3,256,868.60	40.304797	-104.578982
17,174.0	89.76	270.52	6,839.3	1,638.5	-6,814.1	1,355,212.42	3,256,773.61	40.304799	-104.579323
17,268.0	90.03	270.25	6,839.5	1,639.1	-6,908.1	1,355,212.05	3,256,679.61	40.304801	-104.579660
17,361.0	89.86	270.56	6,839.6	1,639.8	-7,001.1	1,355,211.71	3,256,586.62	40.304803	-104.579994
17,455.0	89.98	270.16	6,839.7	1,640.3	-7,095.1	1,355,211.30	3,256,492.62	40.304804	-104.580331
17,549.0	89.66	270.13	6,840.0	1,640.6	-7,189.1	1,355,210.54	3,256,398.63	40.304805	-104.580668
17,643.0	89.66	270.05	6,840.6	1,640.7	-7,283.1	1,355,209.69	3,256,304.64	40.304805	-104.581005
17,736.0	89.99	270.00	6,840.9	1,640.8	-7,376.1	1,355,208.74	3,256,211.65	40.304805	-104.581338
17,829.0	89.46	270.49	6,841.3	1,641.2	-7,469.1	1,355,208.14	3,256,118.66	40.304806	-104.581671
17,924.0	89.62	270.68	6,842.1	1,642.1	-7,564.1	1,355,208.10	3,256,023.66	40.304809	-104.582012
18,017.0	89.83	270.15	6,842.5	1,642.8	-7,657.1	1,355,207.78	3,255,930.67	40.304811	-104.582345
18,111.0	89.88	269.99	6,842.8	1,642.9	-7,751.1	1,355,206.89	3,255,836.68	40.304811	-104.582682
18,205.0	90.04	270.26	6,842.8	1,643.1	-7,845.1	1,355,206.10	3,255,742.69	40.304811	-104.583019
18,300.0	90.04	270.26	6,842.8	1,643.6	-7,940.1	1,355,205.52	3,255,647.69	40.304812	-104.583360
BHL - 119' FNL' & 206' FWL									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
50.0	50.0	13 3/8"	13-3/8	17-1/2	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
8,163.0	6,784.8	1,644.9	2,196.3	LPL - 123' FNL & 216' FEL	
18,300.0	6,842.8	1,643.6	-7,940.1	BHL - 119' FNL' & 206' FWL	

Checked By: _____ Approved By: _____ Date: _____

Chevron DJ Basin

SEC.21-T4N-R64W

George Pad

GEORGE 01N

GEORGE 01N

GEORGE 01N Final Surveys

Anticollision Summary Report

27 March, 2024

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Reference	GEORGE 01N Final Surveys		
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:	Combined Pedal Curve
Warning Levels Evaluated at:	3.50 Sigma	Casing Method:	N/A Unknown

Survey Program	Date	03/15/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	18,300.0	Survey #1 (GEORGE 01N)	MWD+IFR1+SAG+MS	OWSG MWD + IFR1 + Sag + Multi-Station Corre

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Borys Pad						
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,352.5	9,491.3	629.7	561.1	9.475	CC, ES
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,400.0	9,499.9	633.0	562.7	9.291	SF
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,535.4	9,689.9	216.3	151.9	3.455	CC, ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,600.0	9,700.5	228.5	157.5	3.298	SF
Collins 4N64W18T Pad Sec.18-T4N-R64W						
Collins 18T-201 - Collins 18T-201 Wellbore #1 - Collins 1	18,300.0	6,730.5	1,623.3	1,546.4	21.766	CC, ES, SF
Collins 18T-221 - Collins 18T-221 Wellbore #1 - Collins 1	18,300.0	6,692.0	1,049.5	950.9	10.886	CC, ES, SF
Collins 18T-221 - Collins 18T-221 Wellbore #2 - Collins 1	18,300.0	6,667.8	1,124.6	1,020.5	11.029	CC, ES, SF
Collins 18T-321 - Collins 18T-321 Wellbore #1 - Collins 1	18,300.0	6,785.0	1,246.8	1,172.5	17.323	CC, ES, SF
Collins 18T-341 - Collins 18T-341 Wellbore #1 - Collins 1	18,300.0	6,792.3	1,842.1	1,770.7	26.659	CC, ES, SF
Cricket C22-30D Pad Sec.21-T4N-R64W						
Cricket C22-30D - Cricket C22-30D - Cricket C22-30D	8,024.2	6,829.6	45.6	-26.5	0.619	Authorization, CC, ES, SF
Thoutt 1 - Thoutt 1 - Thoutt 1	4,615.7	4,010.7	199.9	154.8	4.631	CC, ES, SF

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Drake Pad						
DRAKE 16N - Drake 16N - Drake 16N Final Surveys	8,100.0	18,644.0	1,993.4	1,438.0	3.601	SF
DRAKE 16N - Drake 16N - Drake 16N Final Surveys	8,200.0	18,546.1	1,987.8	1,437.0	3.621	ES
DRAKE 16N - Drake 16N - Drake 16N Final Surveys	18,300.0	8,499.1	1,966.7	1,704.5	7.562	CC
DRAKE 16N - Drake 16N - Drake 16N Plan #2 12-4-23	8,100.0	18,658.0	1,993.8	1,435.8	3.584	SF
DRAKE 16N - Drake 16N - Drake 16N Plan #2 12-4-23	8,200.0	18,583.5	1,989.6	1,434.9	3.599	ES
DRAKE 16N - Drake 16N - Drake 16N Plan #2 12-4-23	12,475.8	14,307.8	1,973.4	1,607.0	5.415	CC
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	8,100.0	18,637.8	1,750.7	1,197.2	3.172	SF
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	8,200.0	18,539.0	1,744.9	1,196.0	3.189	ES
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	9,696.2	17,084.3	1,729.3	1,247.9	3.605	CC
DRAKE 17N - Drake 17N - Drake 17N Plan #2 12-4-23	8,100.0	18,619.2	1,757.0	1,495.6	6.775	SF
DRAKE 17N - Drake 17N - Drake 17N Plan #2 12-4-23	8,245.6	18,472.3	1,749.9	1,491.3	6.822	ES
DRAKE 17N - Drake 17N - Drake 17N Plan #2 12-4-23	9,697.7	17,061.7	1,726.4	1,492.1	7.436	CC
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	8,100.0	18,747.0	1,554.5	999.4	2.809	SF
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	8,200.0	18,679.0	1,550.0	997.7	2.815	ES
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	8,229.1	18,652.0	1,549.8	998.8	2.821	CC
DRAKE 18N - Drake 18N - Drake 18N Plan #2 12-13-23	8,100.0	18,719.3	1,556.7	1,294.7	5.989	SF
DRAKE 18N - Drake 18N - Drake 18N Plan #2 12-13-23	8,200.0	18,661.0	1,552.9	1,292.0	6.000	ES
DRAKE 18N - Drake 18N - Drake 18N Plan #2 12-13-23	8,206.5	18,654.5	1,552.9	1,292.2	6.003	CC
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	8,100.0	18,782.0	1,336.1	783.8	2.425	SF
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	8,200.0	18,723.5	1,331.7	781.5	2.427	ES
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	11,941.8	14,989.4	1,325.7	942.2	3.472	CC
DRAKE 19NA - Drake 19NA - Drake 19NA Plan #2 12-13	8,100.0	18,765.6	1,338.0	783.7	2.420	SF
DRAKE 19NA - Drake 19NA - Drake 19NA Plan #2 12-13	8,200.0	18,701.1	1,333.7	782.0	2.424	ES
DRAKE 19NA - Drake 19NA - Drake 19NA Plan #2 12-13	12,000.0	14,901.7	1,328.8	945.9	3.486	CC
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	8,100.0	18,837.0	1,120.6	569.2	2.037	SF
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	8,200.0	18,761.0	1,114.7	566.3	2.037	ES
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	18,020.3	8,969.9	1,097.5	838.1	4.263	CC
DRAKE 20N - Drake 20N - Drake 20N Plan #2 12-13-23	8,100.0	18,847.9	1,122.1	568.1	2.030	SF
DRAKE 20N - Drake 20N - Drake 20N Plan #2 12-13-23	8,200.0	18,785.2	1,117.8	566.1	2.031	ES
DRAKE 20N - Drake 20N - Drake 20N Plan #2 12-13-23	18,300.0	8,684.3	1,110.2	846.1	4.234	CC
DRAKE 21N - Drake 21N - Drake 21N Final Surveys	8,192.0	18,874.2	889.0	337.4	1.614	ES, SF
DRAKE 21N - Drake 21N - Drake 21N Final Surveys	18,300.0	8,754.1	887.5	625.6	3.411	CC
DRAKE 21N - Drake 21N - Drake 21N Plan #2 12-13-23	8,194.2	18,841.5	897.1	344.8	1.627	ES, SF
DRAKE 21N - Drake 21N - Drake 21N Plan #2 12-13-23	18,300.0	8,724.0	893.4	629.9	3.412	CC
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	8,200.0	18,833.4	680.5	135.7	1.250	Collision Monitoring, ES, SF
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	18,300.0	8,719.1	662.6	401.2	2.549	CC
DRAKE 22N - Drake 22N - Drake 22N Plan #2 12-13-23	8,200.0	18,824.2	682.1	135.7	1.250	Collision Monitoring, ES, SF
DRAKE 22N - Drake 22N - Drake 22N Plan #2 12-13-23	18,300.0	8,720.4	667.6	404.5	2.552	CC
DRAKE 23N - Drake 23N - Drake 23N Plan #2 12-13-23	8,200.0	18,141.6	459.0	-59.9	0.884	Shut in, ES, SF
DRAKE 23N - Drake 23N - Drake 23N Plan #2 12-13-23	18,300.0	8,045.8	453.9	199.7	1.793	CC
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	8,145.7	18,257.5	300.3	-203.3	0.594	Authorization, ES, SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	18,300.0	8,103.7	243.7	-3.9	0.984	Shut in, CC

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Existing Wells Sec.17-T4N-R64W						
ANGELA C17-25 (Vert) - ANGELA C17-25 - ANGELA C1	17,220.9	6,842.5	1,552.2	1,022.7	2.940	CC, ES, SF
OCOMA C17-13 - OCOMA C17-13 - OCOMA C17-13	18,045.1	6,851.6	783.0	245.4	1.459	Collision Monitoring, CC,
OCOMA C17-15 - OCOMA C17-15 - OCOMA C17-15	15,273.4	6,771.9	646.0	460.6	3.518	CC, ES
OCOMA C17-15 - OCOMA C17-15 - OCOMA C17-15	15,300.0	6,771.5	646.5	460.8	3.515	SF
OCOMA C17-16 - OCOMA C17-16 - OCOMA C17-16	13,881.2	6,714.8	862.6	705.0	5.542	CC
OCOMA C17-16 - OCOMA C17-16 - OCOMA C17-16	13,900.0	6,714.8	862.9	704.9	5.534	ES, SF
OCOMA C17-23 - OCOMA C17-23 - OCOMA C17-23	14,539.6	6,736.1	1,641.4	1,470.8	9.746	CC, ES
OCOMA C17-23 - OCOMA C17-23 - OCOMA C17-23	14,700.0	6,738.5	1,649.6	1,476.7	9.663	SF
UPRR 36 PAN AM B #1 (Vert) - UPRR 36 PAN AM B #1	17,808.3	6,853.1	788.4	252.9	1.474	Collision Monitoring, CC,
UPRR OCOMA C17-14 (Vert) - UPRR OCOMA C17-14	16,431.0	6,824.3	732.6	210.9	1.406	Collision Monitoring, CC,
Existing Wells Sec.18-T4N-R64W						
Riter C18-16 - Riter C18-16 - Riter C18-16	18,300.0	6,800.0	1,025.9	837.6	5.506	CC, ES, SF
Existing Wells Sec.7-T4N-R64W						
Riter 'C' 18-16 (Exist.) - Wellbore #1 - Wellbore #1	18,300.0	6,867.8	965.7	660.0	3.176	CC, ES, SF

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
George Pad						
GEORGE 01N - GEORGE 01N - GEORGE 01N Plan #1	100.0	100.0	0.9	-7.3	-0.264	CC, SF
GEORGE 01N - GEORGE 01N - GEORGE 01N Plan #1	18,234.9	18,222.4	1.5	-341.2	-0.003	Unacceptable Path, ES
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	0.0	0.0	15.0			
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	18,300.0	17,992.0	225.2	-93.0	0.705	Authorization, ES, SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Plan #1	146.2	146.2	14.9	6.6	2.141	CC
GEORGE 02N - GEORGE 02N - GEORGE 02N Plan #1	18,300.0	18,005.7	234.2	-87.2	0.726	Authorization, ES, SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	0.0	0.0	30.0			
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	18,300.0	18,143.8	461.3	125.9	1.378	Collision Monitoring, SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Plar	201.6	201.6	29.7	21.4	4.646	CC, ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Plar	18,300.0	18,105.0	454.6	120.8	1.365	Collision Monitoring, SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Plan #1	213.9	213.9	44.7	36.3	7.162	CC, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Plan #1	18,300.0	17,966.0	693.6	349.0	2.020	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Plan #1	222.2	222.2	59.6	51.2	9.663	CC, ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Plan #1	18,300.0	18,109.1	878.9	532.4	2.548	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Plan #1	229.0	228.9	74.4	66.0	12.139	CC, ES
GEORGE 06N - GEORGE 06N - GEORGE 06N Plan #1	18,300.0	17,958.5	1,094.1	748.6	3.182	SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	233.1	233.0	89.5	81.2	14.676	CC, ES
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	18,299.9	18,064.0	1,319.8	972.8	3.824	SF
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	211.9	211.6	104.5	96.2	17.322	CC, ES
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	18,300.0	17,981.1	1,534.5	1,187.8	4.450	SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	239.4	239.3	119.5	111.1	19.672	CC
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	300.0	299.8	119.6	111.1	19.197	ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	18,300.0	17,917.8	1,751.5	1,405.8	5.095	SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	108.8	111.5	134.9	126.9	22.981	CC, ES
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	18,300.0	17,977.0	1,972.7	1,626.1	5.722	SF
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	243.9	244.8	149.5	141.1	24.664	CC
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	300.0	300.8	149.6	141.0	24.095	ES
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	2,500.0	2,491.8	467.2	439.8	18.642	SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	245.6	246.6	164.5	156.0	27.161	CC
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	300.0	300.8	164.6	156.0	26.548	ES
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	900.0	885.3	192.6	180.8	20.310	SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	247.3	248.3	179.4	171.0	29.656	CC
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	300.0	300.8	179.5	171.0	29.002	ES
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	900.0	880.7	208.3	196.5	22.054	SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	248.7	249.7	194.5	186.1	32.155	CC
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	300.0	300.8	194.5	186.0	31.460	ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	1,000.0	966.6	244.1	231.6	24.085	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	250.0	250.9	209.4	201.0	34.641	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	300.0	300.8	209.5	200.9	33.908	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	1,100.0	1,046.5	288.9	275.7	26.637	SF
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	251.2	252.1	224.4	216.0	37.133	CC
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	300.0	300.0	224.5	215.9	36.371	ES
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	1,200.0	1,121.1	342.3	328.3	29.555	SF
Hen Offsets 2						
MARK ALTER C16-79HN - MARK ALTER C16-79HN - M	13,000.0	11,765.0	678.1	533.4	4.751	SF
MARK ALTER C16-79HN - MARK ALTER C16-79HN - M	13,049.2	11,765.0	675.3	531.5	4.761	ES
MARK ALTER C16-79HN - MARK ALTER C16-79HN - M	13,061.7	11,765.0	675.2	531.6	4.765	CC
Hen Offsets 3						
STOCKLEY C15-79HN - STOCKLEY C15-79HN - STOC	7,300.0	6,143.0	663.5	594.3	9.909	SF
STOCKLEY C15-79HN - STOCKLEY C15-79HN - STOC	7,339.6	6,159.5	662.9	594.0	9.945	CC, ES

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NEI C18-32D Pad Sec.18-T4N-R64W						
NEI C17-33D - NEI C17-33D - NEI C17-33D	18,300.0	7,818.8	1,518.8	1,269.7	6.148	CC, ES, SF
NEI C18-23D - NEI C18-23D - NEI C18-23D	18,300.0	7,380.8	1,939.2	1,759.8	10.946	CC, ES, SF
Oster C19-27D - Oster C19-27D - Oster C19-27D	18,300.0	7,749.8	1,427.5	1,322.8	13.942	CC, ES, SF
SEC.15-T4N-R64W (Existing)						
CLEMONS 15-1 - CLEMONS 15-1 - CLEMONS 15-1	7,300.0	6,277.6	877.5	813.3	14.175	SF
CLEMONS 15-1 - CLEMONS 15-1 - CLEMONS 15-1	7,399.3	6,362.9	872.0	808.5	14.243	CC, ES
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,781.4	6,685.4	160.5	125.4	4.835	CC, ES
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,900.0	6,690.8	191.3	143.4	4.159	SF
SEC.16-T4N-R64W (Exist)						
RYANN STATE C 21-27 - RYANN STATE C 21-27 - RYAI	9,143.5	6,731.4	224.2	144.4	2.868	CC, ES, SF
STATE 16-1414 (Vert) - STATE 16-1414 - STATE 16-1414	11,373.6	6,752.6	563.1	77.0	1.159	Collision Monitoring, CC,
STATE 16-1514 (Vert) - STATE 16-1514 - STATE 16-1514	9,733.3	6,736.4	798.5	318.4	1.666	CC, ES, SF
STATE 16-1614 (Vert) - STATE 16-1614 - STATE 16-1614	8,394.1	6,732.0	780.8	302.9	1.637	ES, SF
STATE 16-1614 (Vert) - STATE 16-1614 - STATE 16-1614	8,400.0	6,731.9	780.8	302.9	1.637	CC
STATE A 14-16X - STATE A 14-16X - STATE A 14-16X	12,200.0	6,732.4	1,044.1	920.5	8.594	CC, ES
STATE A 14-16X - STATE A 14-16X - STATE A 14-16X	12,300.0	6,732.5	1,049.0	924.4	8.566	SF
SEC.19-T4N-R64W (Exist)						
CPC-OSTER 19-01 - CPC-OSTER 19-01 - CPC-OSTER	18,300.0	6,915.7	1,005.9	865.4	7.266	CC, ES, SF
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	18,300.0	6,899.8	1,992.7	1,455.6	3.723	CC, ES, SF
SEC.20-T4N-R64W (Exist)						
Agricultural Products Inc 20-414 (Vert) - Agricultural Prodi	17,837.9	6,886.3	629.0	91.3	1.171	Collision Monitoring, CC,
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	18,061.8	10,175.0	1,724.6	1,483.6	7.219	CC
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	18,100.0	10,175.0	1,724.9	1,483.2	7.200	ES
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	18,200.0	10,175.0	1,730.1	1,487.0	7.180	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	18,043.4	11,451.0	558.2	355.3	2.773	CC, ES, SF
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,616.1	6,780.7	1,026.5	853.8	6.017	CC, ES
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,700.0	6,781.7	1,029.8	855.9	5.991	SF
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,716.5	6,832.7	986.7	791.9	5.118	CC, ES
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,800.0	6,833.6	990.3	794.4	5.106	SF
PREBISH 1 (Vert) - PREBISH 1 - PREBISH 1	16,532.5	6,838.3	550.1	26.0	1.050	Collision Monitoring, CC,
PREBISH 2 - PREBISH 2 - PREBISH 2	17,757.9	6,908.2	1,807.2	1,570.6	7.710	CC
PREBISH 2 - PREBISH 2 - PREBISH 2	17,800.0	6,907.7	1,807.6	1,570.2	7.683	ES
PREBISH 2 - PREBISH 2 - PREBISH 2	17,900.0	6,907.3	1,813.2	1,574.3	7.657	SF
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	17,100.0	6,889.4	1,126.3	904.7	5.128	CC
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	17,102.6	6,889.4	1,126.4	904.7	5.127	ES
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	17,200.0	6,888.2	1,131.2	908.1	5.117	SF
TODD 1 - TODD 1 - TODD 1	13,871.3	6,781.5	473.0	314.9	3.022	CC, ES
TODD 1 - TODD 1 - TODD 1	13,900.0	6,781.9	473.8	315.2	3.019	SF
TODD 2 (Vert) - TODD 2 - TODD 2	15,232.0	6,818.0	1,421.4	909.4	2.785	CC, ES, SF
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	15,029.5	6,813.4	770.9	260.6	1.513	CC, ES, SF

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC.21-T4N-R64W (Exist)						
CHENOWETH 1 (Vert) - CHENOWETH 1 - CHENOWETH	11,272.7	6,780.1	842.5	355.0	1.732	CC, ES, SF
CHENOWETH 21-2 (Vert) - CHENOWETH 21-2 - CHENOWETH	9,919.6	6,759.7	575.5	93.4	1.195	Collision Monitoring, CC,
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWETH	12,300.0	6,764.1	593.3	465.4	4.708	CC
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWETH	12,300.6	6,764.1	593.3	465.3	4.707	ES, SF
HANSCOME C21-19 (Vert) - HANSCOME C21-19 - HANSCOME	11,936.0	6,783.1	1,231.1	740.7	2.518	CC, ES, SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HANSCOME	13,300.0	10,869.0	414.6	267.2	2.843	SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HANSCOME	13,343.0	10,869.0	412.3	265.8	2.845	CC, ES
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,595.2	1,494.5	331.5	223.9	3.130	CC
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,700.0	1,587.0	334.9	220.8	2.978	ES
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,800.0	1,673.8	346.0	225.9	2.918	SF
TRAVELERS 21-814 - TRAVELERS 21-814 - TRAVELERS	3,400.0	3,000.0	405.3	372.8	13.410	CC
TRAVELERS 21-814 - TRAVELERS 21-814 - TRAVELERS	3,400.1	3,000.0	405.3	372.8	13.410	ES
TRAVELERS 21-814 - TRAVELERS 21-814 - TRAVELERS	3,500.0	3,079.8	409.7	376.2	13.125	SF
SEC.22-T4N-R64W (Exist)						
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,728.6	5,747.2	532.2	468.0	8.587	CC, ES
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,800.0	5,812.9	535.5	470.4	8.511	SF
SH C17-24D Pad Sec.17-T4N-R64W						
SH C17-24D - SH C17-24D - SH C17-24D	15,935.9	7,042.0	1,502.9	1,303.3	7.610	CC, ES
SH C17-24D - SH C17-24D - SH C17-24D	16,100.0	7,044.3	1,511.1	1,309.3	7.565	SF

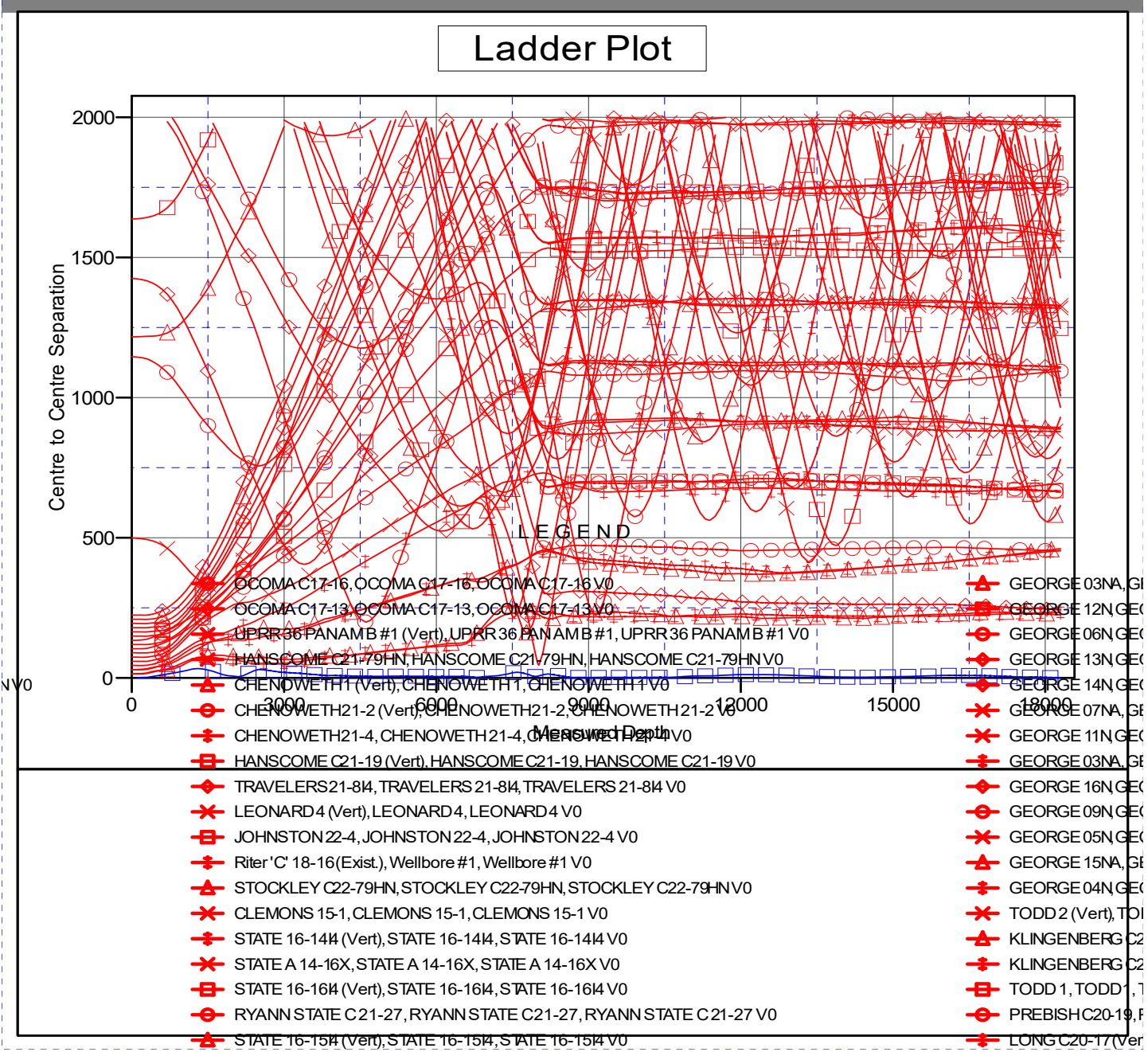
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 01N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 01N	Database:	US_EDM
Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4742.0ft (T41 - RKB 25') Coordinates are relative to: GEORGE 01N
 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: 0.61°



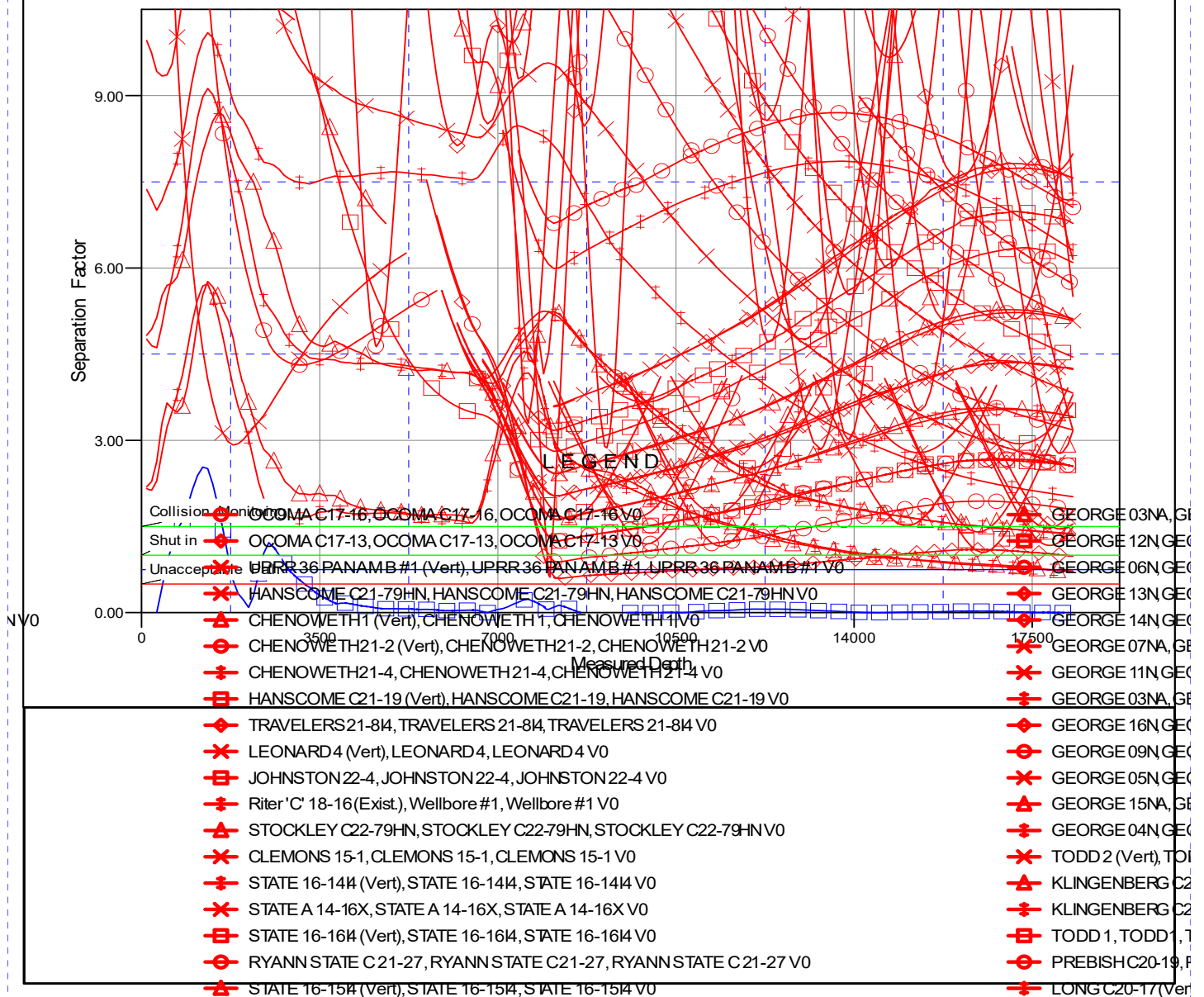
Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 01N
Project:	SEC.21-T4N-R64W	TVD Reference:	WELL @ 4742.0ft (T41 - RKB 25')
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Well Error:	0.0 ft	Output errors are at	3.50 sigma
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Reference Design:	GEORGE 01N Final Surveys	Offset TVD Reference:	Offset Datum

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 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
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Separation Factor Plot



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