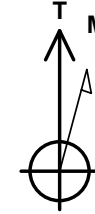


Chevron DJ Basin

GEORGE 12N
 George Pad
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4718.0
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 1353524.41 3263715.19 40.299965 -104.554500
 T41 - RKB 25' Well @ 4743.0ft (T41 - RKB 25')



George Pad
 GEORGE 12N
 GEORGE 12N Final Surveys
 12:17, April 23 2024



Azimuths to True North
 Magnetic North: 7.66°

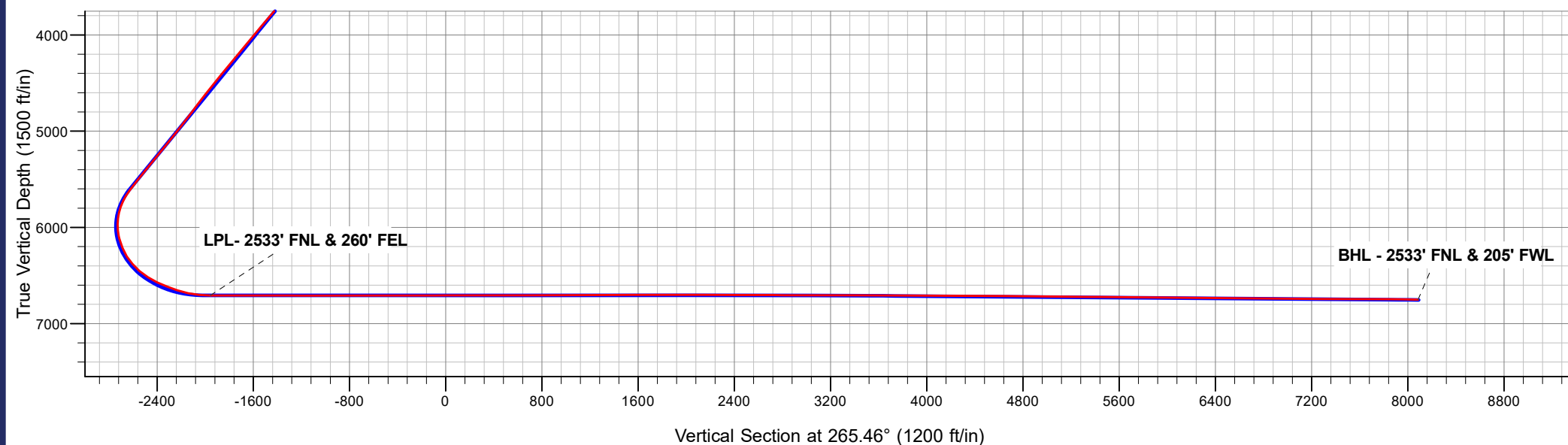
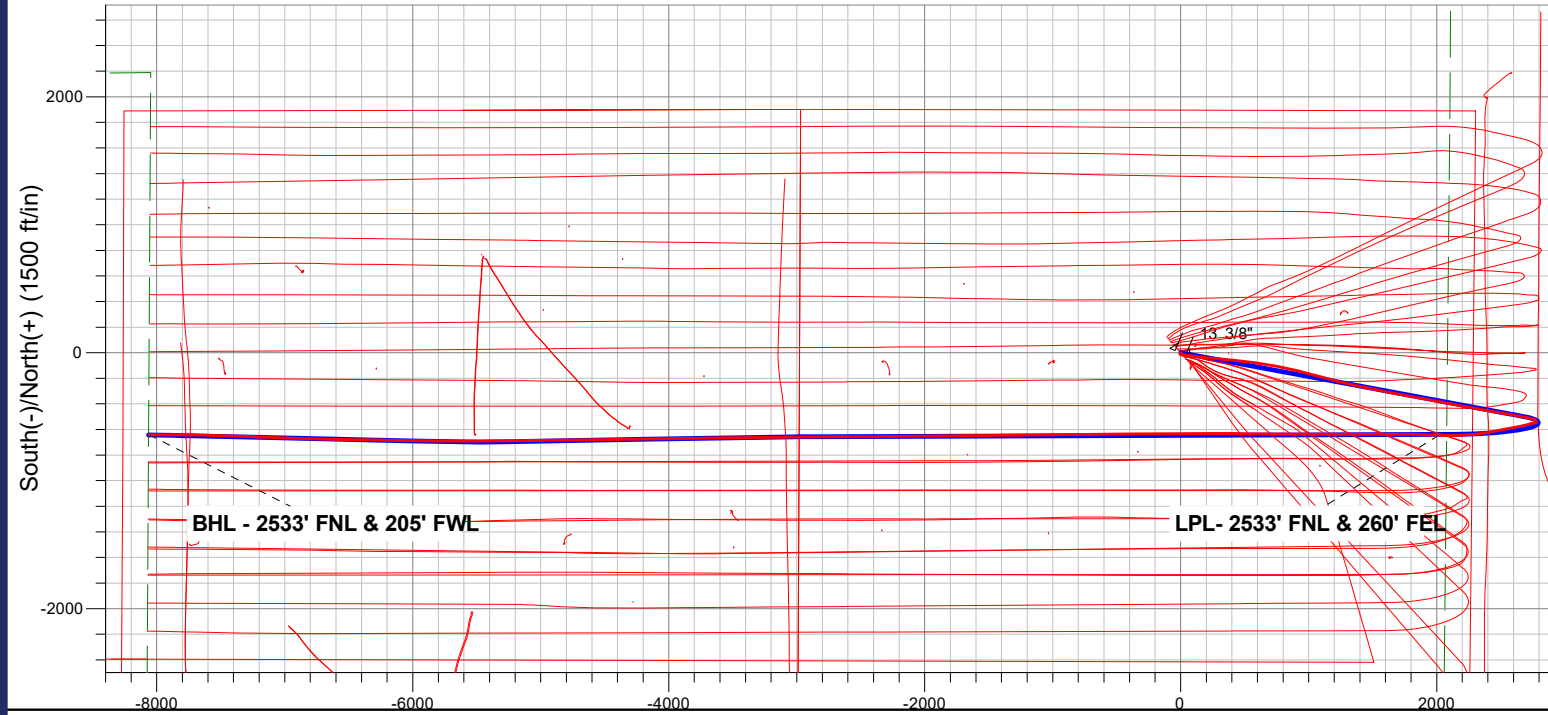
Magnetic Field
 Strength: 51620.6nT
 Dip Angle: 66.54°
 Date: 02/15/2024
 Model: HRGM

ANNOTATIONS

MD	TVD	Annotation
7970.0	6708.1	LPL- 2533' FNL & 260' FEL
18046.0	6749.8	BHL - 2533' FNL & 205' FWL

FINAL SURVEY

Projected Bottom Hole Location
18046.0' MD / 6749.8' TVD
89.45° INC / 270.45° AZM
2533' FNL / 205' FWL



Chevron DJ Basin

SEC.21-T4N-R64W

George Pad

GEORGE 12N

GEORGE 12N

Design: GEORGE 12N Final Surveys

Survey Report - Geographic

23 April, 2024

Ensign

Survey Report - Geographic

Company: Chevron DJ Basin	Local Co-ordinate Reference: Well GEORGE 12N
Project: SEC.21-T4N-R64W	TVD Reference: Well @ 4743.0ft (T41 - RKB 25')
Site: George Pad	MD Reference: Well @ 4743.0ft (T41 - RKB 25')
Well: GEORGE 12N	North Reference: True
Wellbore: GEORGE 12N	Survey Calculation Method: Minimum Curvature
Design: GEORGE 12N 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 12N			
Well Position	+N/-S	0.0 ft	Northing: 1,353,524.41 usft
	+E/-W	0.0 ft	Easting: 3,263,715.20 usft
Position Uncertainty		0.0 ft	Wellhead Elevation: ft
			Latitude: 40.299965
			Longitude: -104.554500
			Ground Level: 4,718.0 ft

Wellbore GEORGE 12N					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	02/15/2024	7.66	66.54	51,620.58112900

Design GEORGE 12N 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		265.46

Survey Program Date 04/23/2024					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
208.0	18,046.0	Survey #1 (GEORGE 12N)	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	1,353,524.41	3,263,715.20	40.299965	-104.554500
12N SHL - 1895' FNL & 2285' FEL									
208.0	0.79	202.25	208.0	-1.3	-0.5	1,353,523.08	3,263,714.67	40.299962	-104.554502
300.0	0.97	207.87	300.0	-2.6	-1.1	1,353,521.80	3,263,714.08	40.299958	-104.554504
394.0	1.23	217.54	394.0	-4.1	-2.1	1,353,520.28	3,263,713.11	40.299954	-104.554508
488.0	1.32	200.84	487.9	-5.9	-3.1	1,353,518.46	3,263,712.13	40.299949	-104.554511
582.0	1.58	198.91	581.9	-8.2	-3.9	1,353,516.21	3,263,711.34	40.299943	-104.554514
677.0	1.67	190.47	676.9	-10.8	-4.6	1,353,513.61	3,263,710.70	40.299936	-104.554517
771.0	2.11	133.52	770.8	-13.3	-3.6	1,353,511.08	3,263,711.73	40.299929	-104.554513
865.0	3.52	114.36	864.7	-15.7	0.3	1,353,508.74	3,263,715.64	40.299922	-104.554499
958.0	4.92	99.24	957.5	-17.5	6.8	1,353,506.99	3,263,722.19	40.299917	-104.554476
1,052.0	6.60	98.54	1,051.0	-18.9	16.1	1,353,505.64	3,263,731.53	40.299913	-104.554442

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Well:	GEORGE 12N	North Reference:	True
Wellbore:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 12N 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	
1,146.0	9.06	95.55	1,144.1	-20.5	28.8	1,353,504.26	3,263,744.26	40.299909	-104.554397	
1,239.0	10.38	93.09	1,235.8	-21.6	44.5	1,353,503.26	3,263,759.92	40.299906	-104.554340	
1,334.0	12.93	93.97	1,328.8	-22.8	63.7	1,353,502.27	3,263,779.08	40.299903	-104.554272	
1,428.0	14.77	96.78	1,420.1	-25.0	86.0	1,353,500.37	3,263,801.50	40.299897	-104.554191	
1,522.0	16.53	96.61	1,510.6	-27.9	111.2	1,353,497.68	3,263,826.71	40.299889	-104.554101	
1,616.0	18.64	98.36	1,600.2	-31.6	139.4	1,353,494.26	3,263,854.90	40.299879	-104.554000	
1,710.0	20.75	96.61	1,688.7	-35.7	170.8	1,353,490.49	3,263,886.34	40.299867	-104.553888	
1,804.0	21.72	94.85	1,776.3	-39.1	204.7	1,353,487.47	3,263,920.25	40.299858	-104.553766	
1,897.0	21.28	94.67	1,862.8	-42.0	238.6	1,353,485.00	3,263,954.24	40.299850	-104.553644	
2,049.0	22.15	96.60	2,004.0	-47.5	294.6	1,353,480.06	3,264,010.25	40.299835	-104.553444	
2,142.0	22.80	96.57	2,090.0	-51.6	329.9	1,353,476.36	3,264,045.61	40.299824	-104.553317	
2,236.0	25.30	94.91	2,175.8	-55.4	368.0	1,353,472.96	3,264,083.76	40.299813	-104.553181	
2,329.0	28.87	94.03	2,258.6	-58.7	410.2	1,353,470.13	3,264,126.00	40.299804	-104.553029	
2,422.0	34.69	97.30	2,337.6	-63.6	458.9	1,353,465.71	3,264,174.74	40.299791	-104.552855	
2,517.0	34.91	97.49	2,415.6	-70.6	512.7	1,353,459.30	3,264,228.57	40.299772	-104.552662	
2,611.0	36.27	96.72	2,492.1	-77.3	567.0	1,353,453.12	3,264,282.93	40.299753	-104.552467	
2,705.0	36.20	98.36	2,567.9	-84.6	622.0	1,353,446.42	3,264,338.08	40.299733	-104.552270	
2,798.0	36.49	99.66	2,642.8	-93.3	676.5	1,353,438.37	3,264,392.60	40.299709	-104.552075	
2,892.0	36.82	99.50	2,718.2	-102.6	731.8	1,353,429.62	3,264,448.02	40.299684	-104.551876	
2,986.0	36.20	102.44	2,793.8	-113.2	786.7	1,353,419.58	3,264,503.02	40.299655	-104.551680	
3,080.0	36.53	102.20	2,869.5	-125.1	841.2	1,353,408.27	3,264,557.60	40.299622	-104.551484	
3,174.0	36.68	103.15	2,944.9	-137.4	895.8	1,353,396.55	3,264,612.41	40.299588	-104.551288	
3,268.0	35.76	105.38	3,020.8	-151.1	949.7	1,353,383.45	3,264,666.37	40.299551	-104.551095	
3,363.0	36.30	104.08	3,097.6	-165.3	1,003.7	1,353,369.83	3,264,720.56	40.299512	-104.550902	
3,457.0	35.95	104.43	3,173.5	-178.9	1,057.4	1,353,356.76	3,264,774.41	40.299474	-104.550709	
3,551.0	36.48	104.44	3,249.4	-192.8	1,111.2	1,353,343.49	3,264,828.34	40.299436	-104.550516	
3,645.0	35.18	104.27	3,325.6	-206.4	1,164.5	1,353,330.41	3,264,881.78	40.299399	-104.550325	
3,739.0	35.09	104.83	3,402.4	-220.0	1,216.9	1,353,317.38	3,264,934.28	40.299361	-104.550137	
3,833.0	34.86	104.27	3,479.5	-233.6	1,269.0	1,353,304.40	3,264,986.58	40.299324	-104.549950	
3,926.0	34.96	102.16	3,555.7	-245.7	1,320.8	1,353,292.79	3,265,038.51	40.299291	-104.549765	
4,021.0	34.45	101.70	3,633.8	-256.9	1,373.7	1,353,282.18	3,265,091.54	40.299260	-104.549575	
4,115.0	34.68	102.12	3,711.2	-267.9	1,425.9	1,353,271.73	3,265,143.84	40.299230	-104.549388	
4,207.0	35.12	101.88	3,786.7	-278.9	1,477.4	1,353,261.33	3,265,195.43	40.299200	-104.549203	
4,302.0	34.66	101.30	3,864.6	-289.8	1,530.6	1,353,250.98	3,265,248.78	40.299170	-104.549013	
4,396.0	34.80	102.40	3,941.9	-300.8	1,583.1	1,353,240.55	3,265,301.30	40.299140	-104.548825	
4,490.0	34.79	101.72	4,019.1	-312.0	1,635.5	1,353,229.90	3,265,353.87	40.299109	-104.548637	
4,584.0	34.74	99.86	4,096.3	-322.0	1,688.2	1,353,220.43	3,265,406.62	40.299081	-104.548448	
4,679.0	34.81	100.62	4,174.3	-331.6	1,741.5	1,353,211.36	3,265,460.03	40.299055	-104.548257	
4,773.0	34.36	100.49	4,251.7	-341.4	1,793.9	1,353,202.15	3,265,512.59	40.299028	-104.548069	
4,866.0	34.20	99.40	4,328.6	-350.5	1,845.5	1,353,193.65	3,265,564.27	40.299003	-104.547884	
4,960.0	33.90	100.46	4,406.4	-359.5	1,897.4	1,353,185.13	3,265,616.20	40.298978	-104.547698	
5,054.0	33.91	100.61	4,484.5	-369.1	1,948.9	1,353,176.10	3,265,667.85	40.298952	-104.547513	
5,148.0	33.62	100.40	4,562.6	-378.7	2,000.3	1,353,167.12	3,265,719.32	40.298926	-104.547329	
5,242.0	32.75	100.45	4,641.3	-388.0	2,050.9	1,353,158.35	3,265,770.01	40.298900	-104.547147	
5,336.0	31.44	100.60	4,720.9	-397.1	2,100.0	1,353,149.75	3,265,819.21	40.298875	-104.546971	
5,430.0	32.28	100.25	4,800.7	-406.1	2,148.8	1,353,141.30	3,265,868.09	40.298851	-104.546797	
5,524.0	32.88	101.52	4,879.9	-415.6	2,198.5	1,353,132.27	3,265,917.89	40.298824	-104.546618	
5,619.0	32.92	100.47	4,959.7	-425.5	2,249.1	1,353,122.97	3,265,968.65	40.298797	-104.546437	
5,714.0	33.00	100.24	5,039.4	-434.8	2,300.0	1,353,114.22	3,266,019.58	40.298772	-104.546254	
5,807.0	33.91	99.78	5,117.0	-443.7	2,350.5	1,353,105.85	3,266,070.16	40.298747	-104.546073	
5,901.0	34.37	100.19	5,194.8	-452.8	2,402.4	1,353,097.26	3,266,122.21	40.298722	-104.545887	
5,995.0	33.73	100.32	5,272.7	-462.2	2,454.2	1,353,088.44	3,266,174.09	40.298696	-104.545702	
6,090.0	33.69	100.06	5,351.7	-471.5	2,506.1	1,353,079.67	3,266,226.08	40.298671	-104.545516	
6,184.0	33.26	100.25	5,430.1	-480.7	2,557.1	1,353,071.07	3,266,277.21	40.298646	-104.545333	
6,278.0	34.25	100.24	5,508.3	-489.9	2,608.5	1,353,062.33	3,266,328.70	40.298620	-104.545148	

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Well:	GEORGE 12N	North Reference:	True
Wellbore:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 12N 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	
6,371.0	32.10	99.39	5,586.1	-498.6	2,658.7	1,353,054.18	3,266,378.93	40.298596	-104.544969	
6,465.0	27.66	101.18	5,667.6	-506.9	2,704.8	1,353,046.36	3,266,425.08	40.298574	-104.544803	
6,560.0	20.01	106.94	5,754.5	-516.0	2,742.0	1,353,037.74	3,266,462.41	40.298549	-104.544670	
6,653.0	12.84	121.34	5,843.6	-526.0	2,766.1	1,353,027.97	3,266,486.61	40.298521	-104.544584	
6,747.0	7.54	147.92	5,936.2	-536.7	2,778.3	1,353,017.43	3,266,498.93	40.298492	-104.544540	
6,841.0	5.82	223.80	6,029.7	-545.3	2,778.3	1,353,008.75	3,266,499.00	40.298468	-104.544540	
6,935.0	12.35	268.48	6,122.5	-549.1	2,764.9	1,353,004.89	3,266,485.66	40.298458	-104.544588	
7,030.0	18.81	256.76	6,214.0	-552.8	2,739.8	1,353,000.84	3,266,460.61	40.298448	-104.544678	
7,124.0	26.18	253.03	6,300.8	-562.4	2,705.2	1,352,990.94	3,266,426.08	40.298421	-104.544802	
7,218.0	35.54	258.75	6,381.4	-573.8	2,658.4	1,352,979.03	3,266,379.46	40.298390	-104.544970	
7,312.0	43.38	260.02	6,454.0	-584.7	2,599.7	1,352,967.46	3,266,320.91	40.298360	-104.545180	
7,406.0	51.80	258.94	6,517.3	-597.4	2,531.6	1,352,954.03	3,266,252.88	40.298325	-104.545424	
7,500.0	58.91	258.52	6,570.7	-612.5	2,455.8	1,352,938.11	3,266,177.26	40.298284	-104.545696	
7,594.0	64.91	260.67	6,615.0	-627.5	2,374.3	1,352,922.32	3,266,095.90	40.298243	-104.545988	
7,688.0	66.81	263.86	6,653.4	-639.0	2,289.3	1,352,909.89	3,266,011.05	40.298211	-104.546293	
7,782.0	74.80	267.59	6,684.3	-645.5	2,200.8	1,352,902.40	3,265,922.69	40.298193	-104.546610	
7,875.0	82.90	270.31	6,702.3	-647.2	2,109.7	1,352,899.79	3,265,831.57	40.298189	-104.546937	
7,906.8	85.27	271.17	6,705.5	-646.8	2,078.1	1,352,899.86	3,265,799.97	40.298190	-104.547050	
12N EP - 2529' FNL & 200' FEL										
7,970.0	90.00	272.86	6,708.1	-644.5	2,015.0	1,352,901.41	3,265,736.84	40.298196	-104.547276	
LPL - 2533' FNL & 260' FEL										
8,063.0	89.98	272.55	6,708.2	-640.2	1,922.1	1,352,904.81	3,265,643.91	40.298208	-104.547609	
8,157.0	90.09	270.20	6,708.1	-637.9	1,828.1	1,352,906.06	3,265,549.92	40.298214	-104.547946	
8,251.0	89.97	270.20	6,708.1	-637.6	1,734.1	1,352,905.39	3,265,455.93	40.298215	-104.548283	
8,345.0	89.92	270.05	6,708.1	-637.4	1,640.1	1,352,904.59	3,265,361.94	40.298216	-104.548620	
8,439.0	89.91	270.02	6,708.3	-637.3	1,546.1	1,352,903.65	3,265,267.95	40.298216	-104.548957	
8,533.0	89.99	269.80	6,708.4	-637.5	1,452.1	1,352,902.50	3,265,173.96	40.298216	-104.549294	
8,627.0	89.97	270.37	6,708.4	-637.3	1,358.1	1,352,901.63	3,265,079.97	40.298216	-104.549631	
8,722.0	89.69	269.96	6,708.7	-637.0	1,263.1	1,352,900.89	3,264,984.98	40.298217	-104.549972	
8,816.0	89.87	269.90	6,709.0	-637.2	1,169.1	1,352,899.78	3,264,890.99	40.298216	-104.550309	
8,909.0	89.75	270.19	6,709.3	-637.1	1,076.1	1,352,898.86	3,264,798.00	40.298217	-104.550642	
9,002.0	90.27	270.25	6,709.3	-636.7	983.1	1,352,898.22	3,264,705.00	40.298218	-104.550975	
9,096.0	90.10	270.38	6,709.0	-636.2	889.1	1,352,897.74	3,264,611.01	40.298219	-104.551312	
9,189.0	90.20	270.46	6,708.8	-635.5	796.1	1,352,897.43	3,264,518.01	40.298221	-104.551646	
9,284.0	90.24	270.43	6,708.4	-634.8	701.1	1,352,897.15	3,264,423.02	40.298223	-104.551986	
9,377.0	90.21	270.53	6,708.1	-634.0	608.1	1,352,896.94	3,264,330.02	40.298225	-104.552320	
9,470.0	89.96	270.42	6,707.9	-633.2	515.1	1,352,896.72	3,264,237.03	40.298227	-104.552653	
9,564.0	90.07	270.85	6,707.9	-632.2	421.1	1,352,896.76	3,264,143.03	40.298230	-104.552990	
9,658.0	90.30	269.92	6,707.6	-631.6	327.1	1,352,896.39	3,264,049.04	40.298232	-104.553327	
9,752.0	90.11	270.12	6,707.3	-631.5	233.1	1,352,895.42	3,263,955.05	40.298232	-104.553664	
9,846.0	90.07	269.73	6,707.1	-631.7	139.1	1,352,894.30	3,263,861.06	40.298232	-104.554001	
9,939.0	90.47	269.35	6,706.7	-632.4	46.1	1,352,892.56	3,263,768.08	40.298230	-104.554335	
10,033.0	90.14	269.64	6,706.2	-633.2	-47.8	1,352,890.73	3,263,674.11	40.298227	-104.554671	
10,127.0	90.13	269.70	6,705.9	-633.8	-141.8	1,352,889.18	3,263,580.12	40.298226	-104.555008	
10,221.0	90.06	269.51	6,705.8	-634.4	-235.8	1,352,887.53	3,263,486.14	40.298224	-104.555345	
10,315.0	89.83	269.49	6,705.9	-635.2	-329.8	1,352,885.71	3,263,392.16	40.298222	-104.555682	
10,409.0	90.02	269.45	6,706.0	-636.1	-423.8	1,352,883.84	3,263,298.19	40.298219	-104.556019	
10,503.0	90.17	269.54	6,705.8	-636.9	-517.8	1,352,882.01	3,263,204.21	40.298217	-104.556356	
10,596.0	90.30	269.49	6,705.5	-637.7	-610.8	1,352,880.23	3,263,111.23	40.298215	-104.556690	
10,690.0	90.25	270.02	6,705.0	-638.1	-704.8	1,352,878.83	3,263,017.25	40.298214	-104.557027	
10,784.0	90.13	269.84	6,704.7	-638.2	-798.8	1,352,877.71	3,262,923.26	40.298213	-104.557364	
10,878.0	90.20	269.31	6,704.4	-638.9	-892.8	1,352,876.01	3,262,829.28	40.298212	-104.557701	
10,972.0	90.42	269.59	6,703.9	-639.8	-986.8	1,352,874.11	3,262,735.30	40.298209	-104.558038	
11,066.0	90.12	269.37	6,703.5	-640.7	-1,080.8	1,352,872.25	3,262,641.33	40.298207	-104.558375	
11,159.0	90.20	268.91	6,703.2	-642.1	-1,173.8	1,352,869.86	3,262,548.36	40.298203	-104.558708	

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Well:	GEORGE 12N	North Reference:	True
Wellbore:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 12N 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
11,253.0	90.05	269.32	6,703.0	-643.5	-1,267.8	1,352,867.41	3,262,454.40	40.298199	-104.559045
11,347.0	90.12	268.90	6,702.9	-645.0	-1,361.8	1,352,864.95	3,262,360.44	40.298195	-104.559382
11,442.0	90.30	269.48	6,702.5	-646.4	-1,456.8	1,352,862.59	3,262,265.47	40.298191	-104.559722
11,536.0	90.23	269.60	6,702.1	-647.1	-1,550.8	1,352,860.83	3,262,171.49	40.298189	-104.560059
11,630.0	90.11	269.15	6,701.8	-648.1	-1,644.8	1,352,858.81	3,262,077.52	40.298186	-104.560396
11,724.0	90.33	269.46	6,701.5	-649.3	-1,738.7	1,352,856.66	3,261,983.55	40.298183	-104.560733
11,818.0	90.24	269.32	6,701.0	-650.3	-1,832.7	1,352,854.66	3,261,889.58	40.298180	-104.561070
11,912.0	90.26	269.29	6,700.6	-651.4	-1,926.7	1,352,852.52	3,261,795.61	40.298177	-104.561407
12,007.0	89.65	269.66	6,700.7	-652.3	-2,021.7	1,352,850.64	3,261,700.63	40.298175	-104.561748
12,100.0	89.63	269.01	6,701.2	-653.4	-2,114.7	1,352,848.57	3,261,607.66	40.298172	-104.562081
12,195.0	89.70	269.99	6,701.8	-654.2	-2,209.7	1,352,846.72	3,261,512.68	40.298169	-104.562422
12,289.0	89.67	269.47	6,702.3	-654.6	-2,303.7	1,352,845.28	3,261,418.70	40.298168	-104.562759
12,382.0	90.01	269.74	6,702.6	-655.3	-2,396.7	1,352,843.65	3,261,325.72	40.298166	-104.563092
12,476.0	90.07	270.18	6,702.5	-655.3	-2,490.7	1,352,842.58	3,261,231.73	40.298166	-104.563429
12,569.0	89.55	269.35	6,702.8	-655.7	-2,583.7	1,352,841.21	3,261,138.75	40.298165	-104.563762
12,663.0	89.51	269.57	6,703.6	-656.6	-2,677.7	1,352,839.32	3,261,044.77	40.298163	-104.564099
12,756.0	89.60	269.35	6,704.3	-657.5	-2,770.7	1,352,837.45	3,260,951.80	40.298160	-104.564433
12,850.0	89.48	270.22	6,705.1	-657.8	-2,864.7	1,352,836.10	3,260,857.82	40.298159	-104.564770
12,944.0	89.81	269.24	6,705.6	-658.3	-2,958.7	1,352,834.65	3,260,763.84	40.298158	-104.565107
13,038.0	89.96	269.17	6,705.8	-659.6	-3,052.7	1,352,832.34	3,260,669.87	40.298154	-104.565444
13,132.0	89.79	269.81	6,706.0	-660.4	-3,146.7	1,352,830.51	3,260,575.89	40.298152	-104.565781
13,226.0	89.80	269.76	6,706.4	-660.8	-3,240.7	1,352,829.15	3,260,481.91	40.298151	-104.566118
13,320.0	89.92	269.34	6,706.6	-661.5	-3,334.7	1,352,827.41	3,260,387.93	40.298149	-104.566455
13,413.0	89.87	268.97	6,706.8	-662.9	-3,427.7	1,352,825.05	3,260,294.96	40.298145	-104.566788
13,506.0	89.89	268.80	6,707.0	-664.7	-3,520.6	1,352,822.25	3,260,202.01	40.298140	-104.567121
13,600.0	90.03	269.27	6,707.0	-666.3	-3,614.6	1,352,819.66	3,260,108.05	40.298136	-104.567458
13,694.0	90.03	269.43	6,707.0	-667.3	-3,708.6	1,352,817.59	3,260,014.07	40.298133	-104.567795
13,789.0	89.75	268.75	6,707.2	-668.9	-3,803.6	1,352,815.07	3,259,919.11	40.298129	-104.568136
13,883.0	89.90	269.32	6,707.5	-670.4	-3,897.6	1,352,812.49	3,259,825.15	40.298124	-104.568473
13,975.0	89.81	269.34	6,707.7	-671.5	-3,989.6	1,352,810.43	3,259,733.18	40.298121	-104.568803
14,070.0	89.20	268.82	6,708.5	-673.0	-4,084.6	1,352,807.89	3,259,638.22	40.298117	-104.569143
14,163.0	89.41	269.27	6,709.6	-674.6	-4,177.5	1,352,805.35	3,259,545.27	40.298113	-104.569476
14,256.0	89.31	269.92	6,710.7	-675.2	-4,270.5	1,352,803.70	3,259,452.29	40.298111	-104.569810
14,350.0	89.30	269.07	6,711.8	-676.1	-4,364.5	1,352,801.87	3,259,358.32	40.298109	-104.570147
14,444.0	89.42	269.52	6,712.9	-677.2	-4,458.5	1,352,799.71	3,259,264.36	40.298105	-104.570484
14,538.0	89.38	268.99	6,713.8	-678.5	-4,552.5	1,352,797.49	3,259,170.40	40.298102	-104.570821
14,631.0	89.41	269.27	6,714.8	-679.9	-4,645.5	1,352,795.09	3,259,077.44	40.298098	-104.571154
14,818.0	89.23	269.05	6,717.0	-682.6	-4,832.4	1,352,790.35	3,258,890.52	40.298090	-104.571824
14,911.0	89.39	269.32	6,718.2	-683.9	-4,925.4	1,352,788.04	3,258,797.56	40.298087	-104.572158
15,006.0	89.45	269.35	6,719.1	-685.0	-5,020.4	1,352,785.92	3,258,702.59	40.298084	-104.572498
15,100.0	89.41	269.36	6,720.1	-686.1	-5,114.4	1,352,783.86	3,258,608.62	40.298081	-104.572835
15,194.0	89.32	269.04	6,721.1	-687.4	-5,208.4	1,352,781.55	3,258,514.66	40.298077	-104.573172
15,288.0	89.30	270.04	6,722.2	-688.2	-5,302.4	1,352,779.79	3,258,420.69	40.298075	-104.573509
15,382.0	89.43	269.86	6,723.3	-688.2	-5,396.4	1,352,778.71	3,258,326.71	40.298075	-104.573846
15,455.4	89.41	269.77	6,724.0	-688.5	-5,469.8	1,352,777.69	3,258,233.31	40.298074	-104.574109
12N WP#1									
15,476.0	89.41	269.74	6,724.2	-688.6	-5,490.4	1,352,777.38	3,258,232.72	40.298074	-104.574183
15,571.0	89.18	268.58	6,725.4	-690.0	-5,585.4	1,352,774.97	3,258,137.77	40.298070	-104.574523
15,665.0	89.28	269.54	6,726.7	-691.5	-5,679.3	1,352,772.43	3,258,043.82	40.298066	-104.574860
15,759.0	89.33	270.47	6,727.8	-691.5	-5,773.3	1,352,771.43	3,257,949.83	40.298065	-104.575197
15,854.0	89.33	271.04	6,728.9	-690.2	-5,868.3	1,352,771.67	3,257,854.84	40.298069	-104.575538
15,947.0	89.52	271.18	6,729.8	-688.4	-5,961.3	1,352,772.48	3,257,761.86	40.298074	-104.575871
16,040.0	89.36	270.84	6,730.8	-686.8	-6,054.3	1,352,773.13	3,257,668.87	40.298078	-104.576204
16,134.0	89.38	271.92	6,731.8	-684.5	-6,148.2	1,352,774.39	3,257,574.89	40.298084	-104.576541
16,229.0	89.34	271.15	6,732.9	-682.0	-6,243.2	1,352,775.92	3,257,479.91	40.298091	-104.576882

Ensign

Survey Report - Geographic

Company: Chevron DJ Basin	Local Co-ordinate Reference: Well GEORGE 12N
Project: SEC.21-T4N-R64W	TVD Reference: Well @ 4743.0ft (T41 - RKB 25')
Site: George Pad	MD Reference: Well @ 4743.0ft (T41 - RKB 25')
Well: GEORGE 12N	North Reference: True
Wellbore: GEORGE 12N	Survey Calculation Method: Minimum Curvature
Design: GEORGE 12N 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
16,323.0	89.34	270.90	6,733.9	-680.3	-6,337.2	1,352,776.60	3,257,385.92	40.298096	-104.577219
16,417.0	89.12	270.26	6,735.2	-679.4	-6,431.2	1,352,776.55	3,257,291.94	40.298098	-104.577556
16,511.0	89.36	271.23	6,736.4	-678.1	-6,525.1	1,352,776.77	3,257,197.95	40.298102	-104.577892
16,605.0	89.36	271.35	6,737.5	-676.0	-6,619.1	1,352,777.89	3,257,103.97	40.298107	-104.578229
16,699.0	89.35	270.98	6,738.6	-674.1	-6,713.1	1,352,778.80	3,257,009.98	40.298113	-104.578566
16,886.0	89.26	271.84	6,740.8	-669.5	-6,900.0	1,352,781.40	3,256,823.02	40.298125	-104.579236
16,980.0	89.60	272.13	6,741.8	-666.3	-6,993.9	1,352,783.66	3,256,729.06	40.298134	-104.579573
17,073.0	89.52	272.39	6,742.5	-662.6	-7,086.9	1,352,786.33	3,256,636.11	40.298144	-104.579906
17,168.0	89.79	272.23	6,743.0	-658.8	-7,181.8	1,352,789.15	3,256,541.15	40.298154	-104.580247
17,262.0	89.76	271.78	6,743.4	-655.5	-7,275.7	1,352,791.44	3,256,447.19	40.298163	-104.580583
17,355.0	89.79	271.89	6,743.8	-652.5	-7,368.7	1,352,793.42	3,256,354.21	40.298171	-104.580917
17,449.0	89.61	272.20	6,744.3	-649.1	-7,462.6	1,352,795.78	3,256,260.25	40.298181	-104.581253
17,543.0	89.72	272.04	6,744.8	-645.7	-7,556.6	1,352,798.25	3,256,166.29	40.298190	-104.581590
17,637.0	89.57	271.42	6,745.4	-642.8	-7,650.5	1,352,800.09	3,256,072.31	40.298198	-104.581927
17,730.0	89.54	270.91	6,746.1	-640.9	-7,743.5	1,352,800.99	3,255,979.32	40.298203	-104.582260
17,824.0	89.00	269.20	6,747.3	-640.8	-7,837.5	1,352,800.07	3,255,885.34	40.298203	-104.582597
17,918.0	89.46	270.42	6,748.6	-641.2	-7,931.5	1,352,798.76	3,255,791.37	40.298202	-104.582934
18,011.0	89.45	270.45	6,749.5	-640.4	-8,024.5	1,352,798.48	3,255,698.38	40.298204	-104.583268
18,046.0	89.45	270.45	6,749.8	-640.2	-8,059.5	1,352,798.38	3,255,663.38	40.298205	-104.583393
BHL - 2533' FNL & 205' FWL - 12N BHL - 2531' FNL & 200' 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)	
7,970.0	6,708.1	-644.5	2,015.0	LPL- 2533' FNL & 260' FEL
18,046.0	6,749.8	-640.2	-8,059.5	BHL - 2533' FNL & 205' FWL

Checked By: _____	Approved By: _____	Date: _____
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Chevron DJ Basin

SEC.21-T4N-R64W

George Pad

GEORGE 12N

GEORGE 12N

GEORGE 12N Final Surveys

Anticollision Summary Report

23 April, 2024

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N Final Surveys	Offset TVD Reference:	Offset Datum

Reference	GEORGE 12N Final Surveys		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of refere		
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	04/23/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	18,046.0	Survey #1 (GEORGE 12N)	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
Balboa C20-24D Pad Sec.20-T4N-R64W						
Balboa C20-24D - Wellbore #1 - Wellbore #1	15,537.4	6,944.8	1,341.3	1,143.5	6.854	CC
Balboa C20-24D - Wellbore #1 - Wellbore #1	15,600.0	6,944.7	1,342.2	1,143.4	6.824	ES, SF
Chenoweth C20-25D - Wellbore #1 - Wellbore #1	16,900.0	7,041.8	1,473.1	1,244.9	6.514	CC
Chenoweth C20-25D - Wellbore #1 - Wellbore #1	16,903.3	7,041.8	1,473.1	1,244.8	6.512	ES
Chenoweth C20-25D - Wellbore #1 - Wellbore #1	17,000.0	7,042.9	1,476.7	1,246.9	6.483	SF
Borys Pad						
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,172.2	7,278.8	701.3	647.1	13.515	CC
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,200.0	7,276.7	702.0	646.9	13.281	ES
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,300.0	7,268.0	725.1	667.1	13.002	SF
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,346.0	7,413.1	312.3	262.9	6.605	CC, ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,400.0	7,411.0	319.1	265.4	6.184	SF
George Pad						
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	0.0	0.0	165.0			
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	900.0	881.6	207.2	195.7	22.728	SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	429.0	429.2	149.0	140.2	23.020	CC, ES
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	1,400.0	1,381.0	251.2	236.0	19.533	SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Finz	468.8	469.7	131.6	122.6	19.765	CC
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Finz	500.0	500.6	131.7	122.6	19.379	ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Finz	18,046.0	18,154.0	1,961.8	1,612.7	5.652	SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	0.0	0.0	120.0			
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	600.0	600.9	120.2	110.6	16.475	ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	18,046.0	17,945.0	1,724.3	1,379.3	5.026	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	100.0	99.3	105.0	96.8	17.829	CC
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	200.0	199.6	105.0	96.8	17.704	ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	18,046.0	18,129.0	1,544.6	1,194.9	4.441	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	615.3	616.1	85.4	75.7	11.457	CC, ES
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	18,046.0	17,947.0	1,324.6	979.0	3.853	SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Finz	0.0	0.0	75.0			
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Finz	18,046.0	18,087.8	1,094.3	744.1	3.140	SF
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	415.5	415.8	59.2	50.5	8.991	CC, ES
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	18,046.0	17,984.0	865.6	517.1	2.494	SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	732.6	733.3	42.5	32.1	5.073	CC, ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	18,046.0	17,953.0	653.0	309.0	1.905	SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Final Su	406.1	406.1	17.9	9.3	2.492	CC, ES
GEORGE 10N - GEORGE 10N - GEORGE 10N Final Su	18,046.0	17,945.4	445.3	97.6	1.283	Collision Monitoring, 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 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N 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						
George Pad						
GEORGE 11N - GEORGE 11N - GEORGE 11N Final Sur	0.0	0.0	15.0			
GEORGE 11N - GEORGE 11N - GEORGE 11N Final Sur	18,046.0	17,992.0	239.9	-90.4	0.724	Authorization, ES, SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	100.0	100.0	0.3	-7.9	-0.366	CC, SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	17,700.0	17,721.4	9.6	-293.1	0.024	Unacceptable Path, ES
GEORGE 13N - GEORGE 13N - GEORGE 13N Final Su	100.0	100.0	15.0	6.8	2.183	CC
GEORGE 13N - GEORGE 13N - GEORGE 13N Final Su	18,046.0	17,319.0	228.2	-90.2	0.714	Authorization, ES, SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	100.0	100.0	15.0	6.8	2.183	CC
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	16,900.0	16,217.5	206.3	-75.9	0.729	Authorization, SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	18,046.0	17,362.9	234.7	-86.3	0.729	Authorization, ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Final Su	0.0	0.0	30.0			
GEORGE 14N - GEORGE 14N - GEORGE 14N Final Su	501.5	501.2	30.6	21.4	4.212	ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Final Su	18,046.0	17,315.0	427.0	89.8	1.268	Collision Monitoring, SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	0.0	0.0	30.0			
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	501.5	501.2	30.6	21.4	4.212	ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	18,046.0	17,312.7	439.9	102.6	1.306	Collision Monitoring, SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Finz	212.2	211.9	44.9	36.6	7.310	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Finz	300.0	299.6	45.0	36.6	7.136	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Finz	18,046.0	17,377.0	671.6	337.2	2.016	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	212.2	211.9	44.9	36.6	7.310	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	300.0	299.6	45.0	36.6	7.136	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	18,046.0	17,408.7	664.0	328.9	1.989	SF
GEORGE 16N - GEORGE 16N - GEORGE 16N Final Su	0.0	0.0	60.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N Final Su	18,046.0	17,414.0	897.1	561.9	2.689	SF
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	0.0	0.0	60.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	18,046.0	17,433.1	881.8	546.1	2.639	SF
GEORGE 17N - George 17N - George 17N Final Survey	221.0	220.6	74.1	65.8	12.312	CC, ES
GEORGE 17N - George 17N - George 17N Final Survey	18,046.0	17,385.6	1,089.5	752.9	3.254	SF
GEORGE 17N - George 17N - GEORGE 17N Plan #3 4-	221.0	220.6	74.1	65.8	12.312	CC, ES
GEORGE 17N - George 17N - GEORGE 17N Plan #3 4-	18,046.0	17,392.3	1,097.0	760.4	3.276	SF
GEORGE 18N - GEORGE 18N - GEORGE 18N	0.0	0.0	90.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	0.0	0.0	90.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	18,046.0	17,501.5	1,318.6	982.8	3.948	SF
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA	0.0	0.0	105.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	0.0	0.0	105.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	18,046.0	17,496.7	1,535.2	1,198.6	4.587	SF
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	109.6	109.2	119.8	111.8	20.376	CC, ES
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	18,046.0	27,159.7	1,755.6	1,371.6	4.592	SF
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	1,472.0	1,468.2	82.7	67.0	5.979	CC, ES
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	9,906.9	6,708.9	547.7	449.4	5.678	SF
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	109.6	109.2	149.8	141.6	25.535	CC, ES
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	6,800.0	6,316.7	1,917.9	1,836.2	24.171	SF
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	109.8	109.2	164.6	156.4	28.172	CC, ES
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	6,400.0	5,878.2	1,992.3	1,883.9	18.774	SF
Long C20-18 Pad Sec.20-T4N-R64W						
Long C20-21D - Wellbore #1 - Wellbore #1	15,494.6	6,951.6	44.6	-152.0	0.217	Unacceptable Path, ES, SF
Long C20-21D - Wellbore #1 - Wellbore #1	15,500.0	6,951.6	44.6	-151.9	0.217	Unacceptable Path, CC
Long C20-22D - Wellbore #1 - Wellbore #1	14,289.3	7,027.4	89.1	-87.1	0.499	Unacceptable Path, CC, ES
Long C20-22D - Wellbore #1 - Wellbore #1	14,300.0	7,027.4	89.4	-87.3	0.499	Unacceptable Path, ES
SEC.15-T4N-R64W (Existing)						
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,607.3	8,982.4	105.6	48.5	1.889	CC
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,700.0	8,992.9	141.3	47.0	1.512	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 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N 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.19-T4N-R64W (Exist)						
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	18,046.0	6,805.8	872.6	369.2	1.737	CC, ES, SF
VCTOR C19-9 - VICTOR C19-9 - VICTOR C19-9	18,046.0	6,816.7	1,096.8	936.7	6.940	CC, ES, SF
SEC.20-T4N-R64W (Exist)						
Agricultural Products Inc 20-414 (Vert) - Agricultural Prodi	17,625.8	6,789.3	1,779.5	1,247.1	3.353	CC, ES
Agricultural Products Inc 20-414 (Vert) - Agricultural Prodi	17,700.0	6,789.9	1,781.4	1,248.4	3.353	SF
API 20-614 (Vert) - API 20-614 - API 20-614	16,280.5	6,755.4	559.6	347.1	2.652	CC, ES
API 20-614 (Vert) - API 20-614 - API 20-614	16,300.0	6,755.7	560.1	347.3	2.652	SF
BALBOA 20-3 - BALBOA 20-3 - BALBOA 20-3	14,757.6	6,715.3	736.2	555.1	4.108	CC, ES
BALBOA 20-3 - BALBOA 20-3 - BALBOA 20-3	14,800.0	6,715.9	737.4	556.0	4.106	SF
BALBOA C-20-2 (Vert) - BALBOA C-20-2 - BALBOA C-20-2	13,493.7	6,698.9	854.1	697.8	5.536	CC
BALBOA C-20-2 (Vert) - BALBOA C-20-2 - BALBOA C-20-2	13,500.0	6,699.0	854.1	697.7	5.533	ES, SF
BALBOA C20-23 (Vert) - BALBOA C20-23 - BALBOA C20-23	14,275.2	6,717.9	1,267.8	1,096.0	7.473	CC, ES
BALBOA C20-23 (Vert) - BALBOA C20-23 - BALBOA C20-23	14,400.0	6,719.4	1,273.8	1,100.6	7.445	SF
BALBOA C20-24D - BALBOA C20-24D - BALBOA 20C-2	15,547.0	6,944.8	1,337.5	1,139.6	6.828	CC
BALBOA C20-24D - BALBOA C20-24D - BALBOA 20C-2	15,600.0	6,944.7	1,338.0	1,139.2	6.801	ES, SF
BALBOA C20-9X - BALBOA C20-9X - BALBOA C20-9X	13,506.0	6,682.4	578.2	422.2	3.749	CC, ES, SF
CHENOWETH C20-25D - CHENOWETH C20-25D - CHI	16,906.3	7,041.8	1,469.7	1,241.3	6.495	CC, ES
CHENOWETH C20-25D - CHENOWETH C20-25D - CHI	17,000.0	7,042.8	1,472.9	1,243.0	6.465	SF
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-20	16,382.7	6,743.7	596.0	381.9	2.805	CC, ES
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-20	16,400.0	6,743.9	596.3	382.0	2.802	SF
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-20	17,592.8	6,776.5	792.8	553.0	3.330	CC
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-20	17,600.0	6,776.4	793.0	553.0	3.328	ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,700.0	9,451.2	451.1	343.6	4.270	ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,800.0	9,459.2	448.0	344.6	4.414	CC
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,700.0	9,449.0	469.2	363.3	4.509	CC, ES, SF
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,331.9	6,674.6	1,410.1	1,237.2	8.259	CC, ES
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,500.0	6,676.4	1,420.6	1,245.1	8.194	SF
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,439.0	6,727.9	1,459.4	1,264.2	7.556	CC, ES
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,600.0	6,729.8	1,469.5	1,271.9	7.514	SF
LONG C20-21D - LONG C20-21D - LONG C20-21D	15,500.0	6,951.6	48.1	-148.8	0.235	Unacceptable Path, CC, ES
LONG C20-22D - LONG C20-22D - LONG C20-22D	14,292.1	7,027.4	89.1	-87.1	0.499	Unacceptable Path, CC, ES
LONG C20-22D - LONG C20-22D - LONG C20-22D	14,300.0	7,027.5	89.1	-87.7	0.497	Unacceptable Path, ES, SF
PREBISH 2 - PREBISH 2 - PREBISH 2	17,522.7	6,790.4	603.4	365.4	2.551	CC, ES, SF
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-19	16,883.8	6,751.2	1,303.2	1,079.8	5.887	CC
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-19	16,900.0	6,751.2	1,303.3	1,079.6	5.880	ES
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-19	17,000.0	6,750.6	1,307.9	1,083.4	5.878	SF
TODD 2 (Vert) - TODD 2 - TODD 2	14,952.4	6,712.6	1,021.8	516.6	2.027	CC, ES, SF
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	14,738.6	6,707.0	1,669.9	1,166.5	3.329	CC, ES
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	14,800.0	6,707.8	1,671.0	1,167.1	3.328	SF
TODD 20-8 (Vert) - TODD 20-8 - TODD 20-8	13,703.9	6,696.0	485.8	-9.9	0.980	Shut in, 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 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N 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)						
HAMLIN C21-22 (Vert) - HAMLIN C21-22 - HAMLIN C21	8,900.0	6,671.3	243.9	-230.3	0.512	Authorization, CC, ES, SF
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HAN	100.0	75.0	599.1	590.9	103.703	CC, ES
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HAN	10,500.0	6,680.9	1,121.4	1,019.4	11.240	SF
HANSCOME C21-19 (Vert) - HANSCOME C21-19 - HAN	11,664.7	6,688.7	1,188.4	704.3	2.463	CC, ES, SF
HANSCOME C21-20 (Vert) - HANSCOME C21-20 - HAN	11,654.7	6,703.7	143.7	-341.3	0.293	Unacceptable Path, CC, ES, SF
HANSCOME C21-21 (Vert) - HANSCOME C21-21 - HAN	10,320.1	6,701.9	136.1	-343.7	0.280	Unacceptable Path, CC, ES, SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HAN	13,100.0	8,846.0	42.0	-29.0	0.577	Authorization, CC, ES, SF
KLEIN 21-12 (Vert) - KLEIN 21-12 - KLEIN 21-12	12,325.5	6,703.5	731.3	243.0	1.500	CC, ES, SF
LEONARD 2 - LEONARD 2 - LEONARD 2	12,253.2	6,676.0	482.7	350.9	3.712	CC, ES
LEONARD 2 - LEONARD 2 - LEONARD 2	12,300.0	6,676.3	485.1	352.6	3.711	SF
LEONARD 21-10 (Vert) - LEONARD 21-10 - LEONARD 21-10	9,670.7	6,687.6	776.8	299.6	1.631	CC, ES, SF
LEONARD 21-6I4 - LEONARD 21-6I4 - LEONARD 21-6I4	11,013.4	6,691.5	554.4	444.9	5.155	CC, ES, SF
LEONARD 3 (Vert) - LEONARD 3 - LEONARD 3	11,024.8	6,723.6	767.9	284.1	1.590	CC, ES, SF
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	2,238.1	2,149.7	53.7	-99.7	0.340	Unacceptable Path, CC, ES, SF
THOUTT 2 - THOUTT 2 - THOUTT 2	8,350.3	6,824.0	969.4	896.0	13.625	CC, ES, SF
TRAVELERS 21-8I4 - TRAVELERS 21-8I4 - TRAVELERS 21-8I4	3,616.0	3,244.1	545.7	513.2	18.116	CC, ES
TRAVELERS 21-8I4 - TRAVELERS 21-8I4 - TRAVELERS 21-8I4	8,900.0	6,641.4	952.4	873.4	12.413	SF
SEC.22-T4N-R64W (Exist)						
CANTRELL 22-12 - CANTRELL 22-12 - CANTRELL 22-12	6,862.4	5,975.5	758.0	702.2	14.161	CC, ES, SF
LYMAN 1 - LYMAN 1 - LYMAN 1	6,686.9	5,828.0	469.1	404.2	7.466	CC, ES
LYMAN 1 - LYMAN 1 - LYMAN 1	6,800.0	5,939.2	471.8	406.1	7.429	SF
SEC.34-T4N-R64W GRID (Exist)						
Gittlein C34-775 - Gittlein C34-775 - Gittlein C34-775 PL	7,230.3	20,191.7	834.5	507.8	2.566	CC
Gittlein C34-775 - Gittlein C34-775 - Gittlein C34-775 PL	7,300.0	20,191.7	840.9	497.8	2.461	ES
Gittlein C34-775 - Gittlein C34-775 - Gittlein C34-775 PL	7,400.0	20,191.7	869.9	505.7	2.398	SF

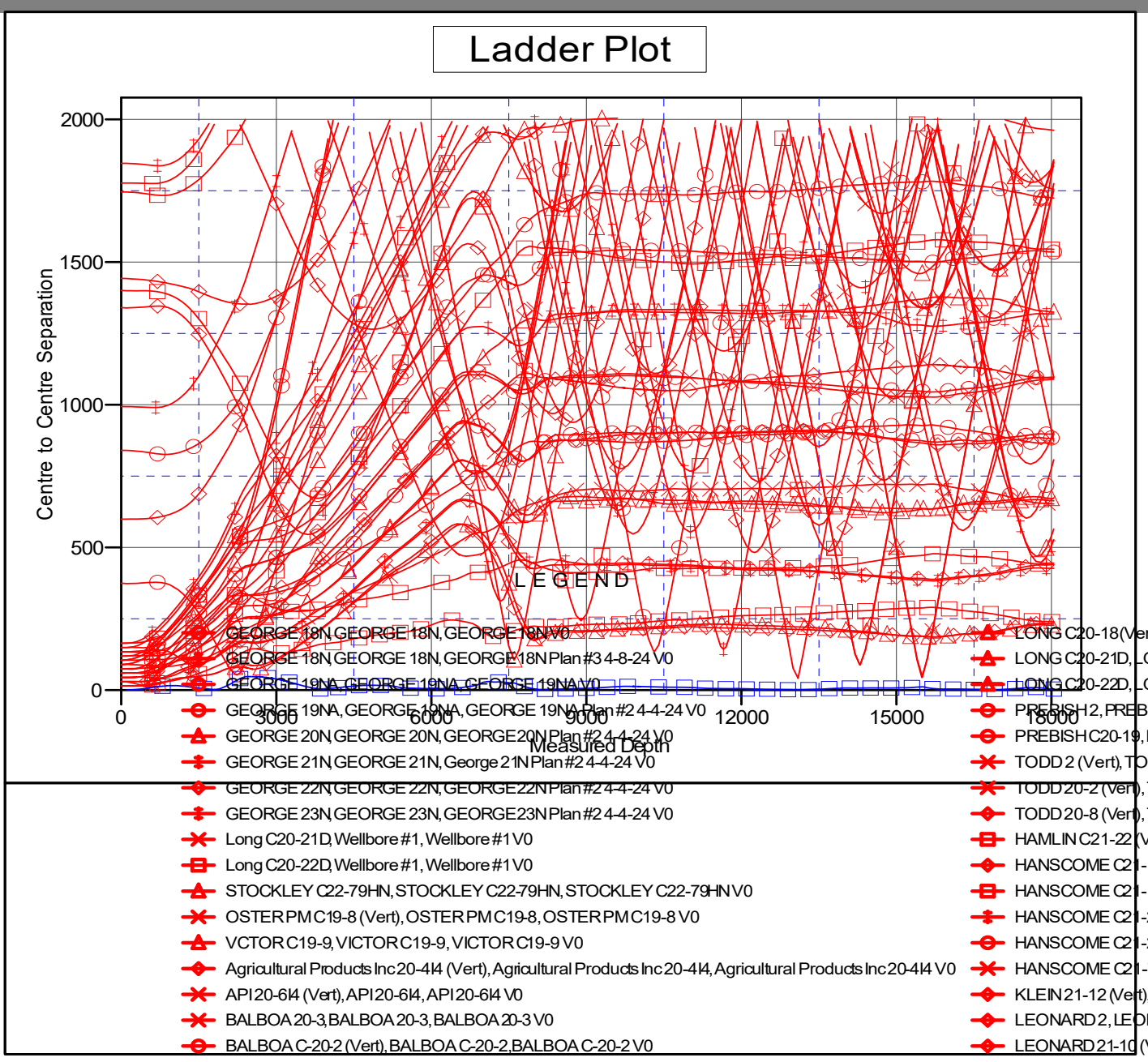
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N Final Surveys	Offset TVD Reference:	Offset Datum

Reference Depths are relative to Well @ 4743.0ft (T41 - RKB 25') Coordinates are relative to: GEORGE 12N
 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 12N
Project:	SEC.21-T4N-R64W	TVD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Reference Site:	George Pad	MD Reference:	Well @ 4743.0ft (T41 - RKB 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	GEORGE 12N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 12N	Database:	US_EDM
Reference Design:	GEORGE 12N Final Surveys	Offset TVD Reference:	Offset Datum

Reference Depths are relative to Well @ 4743.0ft (T41 - RKB 25') Coordinates are relative to: GEORGE 12N
 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°

