

# Chevron DJ Basin

GEORGE 13N

George Pad

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

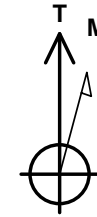
Ground Elevation: 4718.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1353513.29	3263725.27	40.299935	-104.554464

T41 - RKB 25' Well @ 4743.0ft (T41 - RKB 25')



George Pad  
GEORGE 13N  
GEORGE 13N Final Surveys  
9:58, April 24 2024



Azimuths to True North  
Magnetic North: 7.65°

Magnetic Field  
Strength: 51600.9nT  
Dip Angle: 66.53°  
Date: 04/08/2024  
Model: HRGM

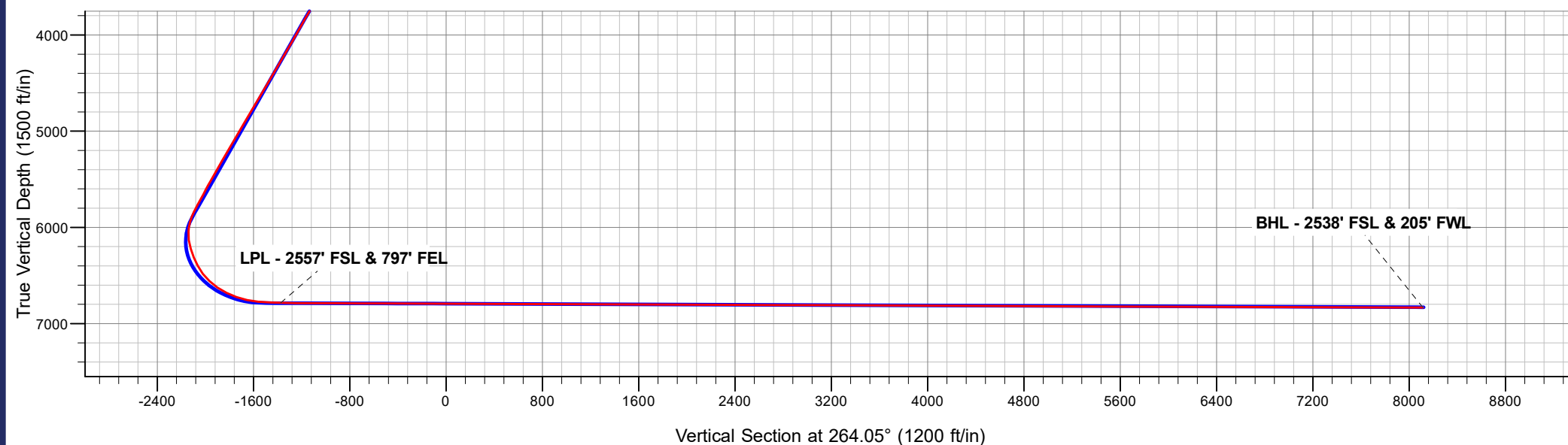
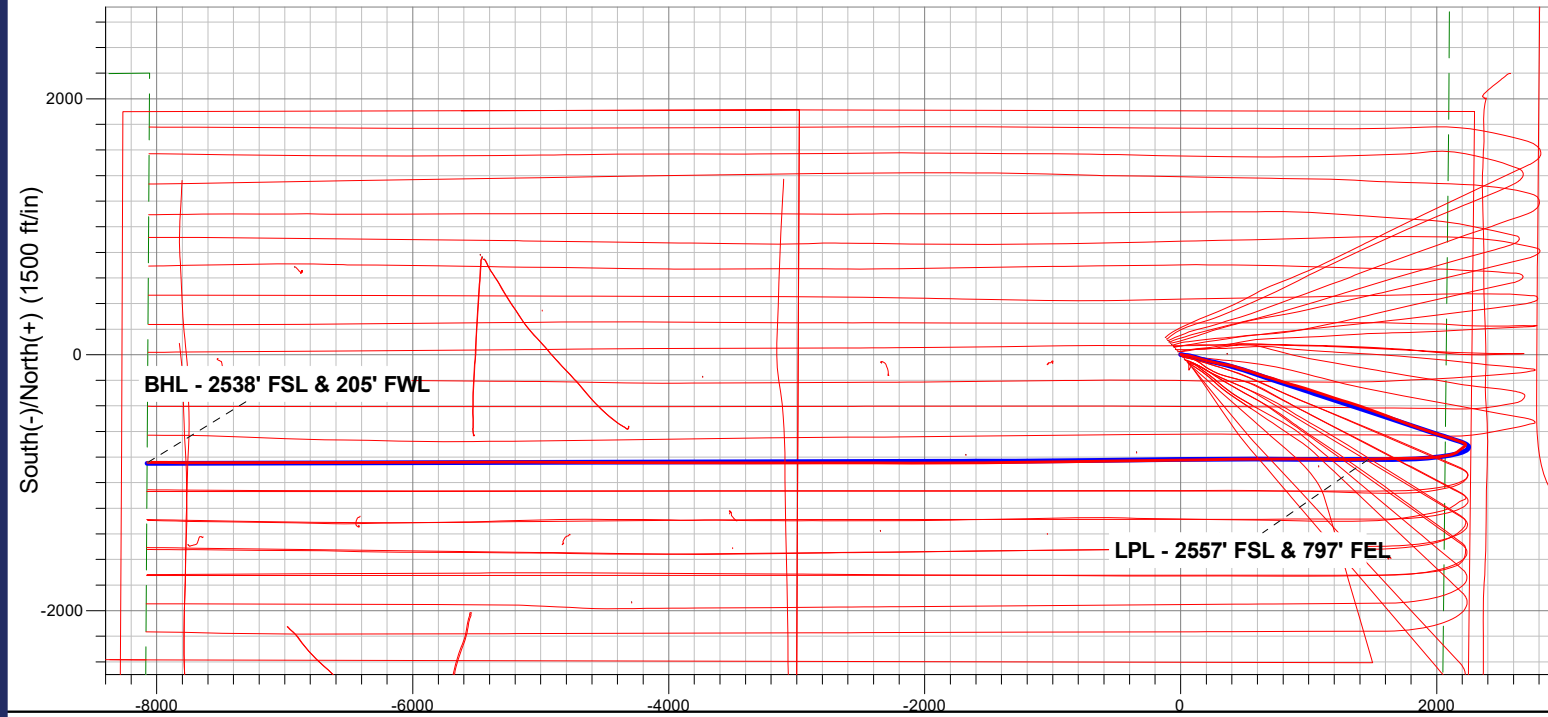
### ANNOTATIONS

MD	TVD	Annotation
7781.0	6784.9	LPL - 2557' FSL & 797' FEL
17319.0	6832.7	BHL - 2538' FSL & 205' FWL

### FINAL SURVEY

**Projected Bottom Hole Location**

**17319.0' MD / 6832.7' TVD  
89.83° INC / 270.26° AZM  
2538' FSL / 205' FWL**



# **Chevron DJ Basin**

**SEC.21-T4N-R64W**

**George Pad**

**GEORGE 13N**

**GEORGE 13N**

**Design: GEORGE 13N Final Surveys**

## **Survey Report - Geographic**

**24 April, 2024**

# Ensign

## Survey Report - Geographic

<b>Company:</b> Chevron DJ Basin	<b>Local Co-ordinate Reference:</b> Well GEORGE 13N
<b>Project:</b> SEC.21-T4N-R64W	<b>TVD Reference:</b> Well @ 4743.0ft (T41 - RKB 25')
<b>Site:</b> George Pad	<b>MD Reference:</b> Well @ 4743.0ft (T41 - RKB 25')
<b>Well:</b> GEORGE 13N	<b>North Reference:</b> True
<b>Wellbore:</b> GEORGE 13N	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> GEORGE 13N Final Surveys	<b>Database:</b> US_EDM

<b>Project</b> SEC.21-T4N-R64W, Weld County, CO			
<b>Map System:</b> US State Plane 1983	<b>System Datum:</b> Mean Sea Level		
<b>Geo Datum:</b> North American Datum 1983			
<b>Map Zone:</b> Colorado Northern Zone		Using geodetic scale factor	

<b>Site</b> George Pad			
<b>Site Position:</b>	<b>Northing:</b> 1,353,524.28 usft	<b>Latitude:</b> 40.299965	
<b>From:</b> Lat/Long	<b>Easting:</b> 3,263,715.11 usft	<b>Longitude:</b> -104.554500	
<b>Position Uncertainty:</b> 0.0 ft	<b>Slot Radius:</b> 13-3/16 "	<b>Grid Convergence:</b> 0.61 °	

<b>Well</b> GEORGE 13N			
<b>Well Position</b>	<b>+N/-S</b> 0.0 ft	<b>Northing:</b> 1,353,513.29 usft	<b>Latitude:</b> 40.299935
	<b>+E/-W</b> 0.0 ft	<b>Easting:</b> 3,263,725.27 usft	<b>Longitude:</b> -104.554464
<b>Position Uncertainty</b> 0.0 ft		<b>Wellhead Elevation:</b> ft	<b>Ground Level:</b> 4,718.0 ft

<b>Wellbore</b> GEORGE 13N					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	04/08/2024	7.65	66.53	51,600.87054721

<b>Design</b> GEORGE 13N Final Surveys					
<b>Audit Notes:</b>					
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b> 0.0			
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	264.05	

<b>Survey Program</b> Date 04/24/2024					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
208.0	17,319.0	Survey #1 (GEORGE 13N)	MWD+IFR1+SAG+MS	OWSG MWD + IFR1 + Sag + Multi-Station Corre	

<b>Survey</b>									
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	1,353,513.29	3,263,725.27	40.299935	-104.554464
208.0	0.35	151.80	208.0	-0.6	0.3	1,353,512.74	3,263,725.58	40.299933	-104.554463
300.0	0.44	58.46	300.0	-0.6	0.7	1,353,512.68	3,263,726.01	40.299933	-104.554462
394.0	0.53	46.68	394.0	-0.1	1.4	1,353,513.17	3,263,726.63	40.299934	-104.554459
488.0	0.97	59.34	488.0	0.6	2.4	1,353,513.89	3,263,727.62	40.299936	-104.554456
582.0	0.88	59.52	582.0	1.3	3.7	1,353,514.67	3,263,728.92	40.299938	-104.554451
677.0	2.46	102.76	676.9	1.3	6.3	1,353,514.62	3,263,731.54	40.299938	-104.554442
771.0	3.96	113.30	770.8	-0.5	11.2	1,353,512.94	3,263,736.51	40.299933	-104.554424
865.0	6.95	100.30	864.4	-2.8	19.8	1,353,510.73	3,263,745.11	40.299927	-104.554393
958.0	8.53	96.08	956.5	-4.5	32.2	1,353,509.13	3,263,757.52	40.299922	-104.554349
1,052.0	8.88	92.74	1,049.4	-5.6	46.4	1,353,508.20	3,263,771.71	40.299919	-104.554298
1,146.0	10.29	99.95	1,142.1	-7.4	61.9	1,353,506.56	3,263,787.25	40.299914	-104.554242

# Ensign

## Survey Report - Geographic

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Well:</b>	GEORGE 13N	<b>North Reference:</b>	True
<b>Wellbore:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	GEORGE 13N Final Surveys	<b>Database:</b>	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	11.87	103.99	1,233.4	-11.1	79.4	1,353,503.00	3,263,804.75	40.299904	-104.554180	
1,334.0	13.45	105.57	1,326.1	-16.5	99.5	1,353,497.89	3,263,824.93	40.299889	-104.554108	
1,428.0	16.62	106.98	1,416.8	-23.3	122.9	1,353,491.28	3,263,848.39	40.299871	-104.554024	
1,522.0	18.29	106.62	1,506.5	-31.5	149.9	1,353,483.42	3,263,875.47	40.299848	-104.553927	
1,616.0	20.14	105.04	1,595.3	-39.9	179.6	1,353,475.32	3,263,905.32	40.299825	-104.553820	
1,710.0	21.63	104.16	1,683.1	-48.3	212.1	1,353,467.23	3,263,937.84	40.299802	-104.553704	
1,804.0	23.83	102.23	1,769.8	-56.6	247.4	1,353,459.34	3,263,973.28	40.299779	-104.553577	
1,895.0	25.59	102.58	1,852.4	-64.8	284.6	1,353,451.57	3,264,010.52	40.299757	-104.553444	
2,054.0	24.67	100.47	1,996.4	-78.3	350.7	1,353,438.76	3,264,076.80	40.299720	-104.553207	
2,148.0	24.21	99.21	2,082.0	-84.9	389.0	1,353,432.52	3,264,115.18	40.299701	-104.553070	
2,242.0	23.97	109.07	2,167.8	-94.3	426.1	1,353,423.59	3,264,152.37	40.299676	-104.552937	
2,336.0	25.20	107.68	2,253.3	-106.6	463.2	1,353,411.67	3,264,189.61	40.299642	-104.552803	
2,429.0	25.68	105.41	2,337.3	-117.9	501.5	1,353,400.71	3,264,228.02	40.299611	-104.552666	
2,524.0	25.58	108.93	2,422.9	-130.1	540.8	1,353,389.01	3,264,267.39	40.299578	-104.552526	
2,618.0	25.78	107.70	2,507.7	-142.9	579.5	1,353,376.63	3,264,306.19	40.299542	-104.552387	
2,712.0	26.94	109.72	2,591.9	-156.3	619.0	1,353,363.65	3,264,345.85	40.299506	-104.552245	
2,806.0	27.45	105.69	2,675.5	-169.3	659.9	1,353,351.04	3,264,386.89	40.299470	-104.552099	
2,899.0	27.26	105.24	2,758.1	-180.7	701.1	1,353,340.08	3,264,428.19	40.299439	-104.551951	
2,992.0	27.03	109.12	2,840.9	-193.2	741.6	1,353,328.00	3,264,468.84	40.299404	-104.551806	
3,086.0	26.05	107.28	2,925.0	-206.4	781.5	1,353,315.30	3,264,508.87	40.299368	-104.551663	
3,180.0	25.88	107.68	3,009.5	-218.7	820.7	1,353,303.35	3,264,548.25	40.299334	-104.551522	
3,273.0	25.01	106.66	3,093.4	-230.5	858.9	1,353,291.96	3,264,586.55	40.299302	-104.551385	
3,367.0	27.16	107.03	3,177.9	-242.5	898.5	1,353,280.40	3,264,626.23	40.299269	-104.551243	
3,461.0	26.69	105.64	3,261.7	-254.5	939.3	1,353,268.86	3,264,667.19	40.299236	-104.551097	
3,554.0	26.85	105.90	3,344.7	-265.9	979.6	1,353,257.91	3,264,707.62	40.299205	-104.550952	
3,647.0	26.56	107.21	3,427.8	-277.8	1,019.7	1,353,246.43	3,264,747.80	40.299172	-104.550809	
3,741.0	27.26	108.77	3,511.6	-290.9	1,060.1	1,353,233.72	3,264,788.40	40.299136	-104.550664	
3,834.0	26.95	109.22	3,594.4	-304.7	1,100.2	1,353,220.36	3,264,828.61	40.299098	-104.550520	
3,928.0	27.37	108.45	3,678.0	-318.5	1,140.8	1,353,206.94	3,264,869.36	40.299060	-104.550374	
4,022.0	26.11	109.64	3,762.0	-332.3	1,180.8	1,353,193.58	3,264,909.48	40.299022	-104.550231	
4,115.0	26.32	107.34	3,845.4	-345.4	1,219.7	1,353,180.97	3,264,948.57	40.298987	-104.550091	
4,207.0	26.19	106.60	3,927.9	-357.2	1,258.7	1,353,169.51	3,264,987.62	40.298954	-104.549952	
4,302.0	26.32	107.16	4,013.1	-369.4	1,298.9	1,353,157.74	3,265,027.96	40.298920	-104.549808	
4,396.0	26.95	106.66	4,097.1	-381.7	1,339.2	1,353,145.91	3,265,068.41	40.298887	-104.549663	
4,490.0	26.96	107.63	4,180.9	-394.3	1,379.9	1,353,133.79	3,265,109.25	40.298852	-104.549517	
4,584.0	27.93	109.51	4,264.4	-408.1	1,421.0	1,353,120.42	3,265,150.45	40.298814	-104.549370	
4,679.0	27.75	109.98	4,348.4	-423.1	1,462.7	1,353,105.88	3,265,192.37	40.298773	-104.549220	
4,773.0	27.57	109.47	4,431.6	-437.8	1,503.8	1,353,091.59	3,265,233.60	40.298733	-104.549073	
4,866.0	27.73	110.64	4,514.0	-452.6	1,544.3	1,353,077.22	3,265,274.29	40.298692	-104.548928	
4,960.0	27.24	111.18	4,597.4	-468.1	1,584.9	1,353,062.18	3,265,314.98	40.298650	-104.548782	
5,054.0	27.88	110.20	4,680.7	-483.4	1,625.6	1,353,047.25	3,265,355.82	40.298608	-104.548637	
5,148.0	27.53	111.62	4,763.9	-499.0	1,666.4	1,353,032.09	3,265,396.81	40.298565	-104.548490	
5,242.0	28.12	111.15	4,847.1	-515.0	1,707.2	1,353,016.53	3,265,437.83	40.298521	-104.548344	
5,336.0	28.12	110.42	4,930.0	-530.7	1,748.7	1,353,001.26	3,265,479.41	40.298478	-104.548195	
5,430.0	27.82	109.84	5,013.0	-545.9	1,790.1	1,352,986.53	3,265,520.96	40.298436	-104.548047	
5,524.0	26.99	109.90	5,096.5	-560.6	1,830.7	1,352,972.26	3,265,561.81	40.298396	-104.547901	
5,619.0	27.45	108.97	5,180.9	-575.1	1,871.7	1,352,958.24	3,265,602.93	40.298356	-104.547754	
5,714.0	27.67	108.83	5,265.2	-589.3	1,913.3	1,352,944.45	3,265,644.66	40.298317	-104.547605	
5,807.0	27.24	109.46	5,347.7	-603.4	1,953.8	1,352,930.82	3,265,685.32	40.298278	-104.547460	
5,901.0	25.58	106.33	5,431.9	-616.2	1,993.6	1,352,918.37	3,265,725.21	40.298243	-104.547317	
5,995.0	26.70	107.47	5,516.3	-628.3	2,033.2	1,352,906.75	3,265,764.96	40.298210	-104.547175	
6,090.0	24.87	108.93	5,601.8	-641.2	2,072.5	1,352,894.28	3,265,804.35	40.298174	-104.547035	
6,183.0	25.00	107.53	5,686.1	-653.4	2,109.7	1,352,882.41	3,265,841.71	40.298141	-104.546901	
6,278.0	25.44	108.46	5,772.1	-665.9	2,148.2	1,352,870.32	3,265,880.34	40.298106	-104.546763	
6,371.0	22.29	108.67	5,857.1	-677.9	2,183.9	1,352,858.72	3,265,916.13	40.298073	-104.546635	

# Ensign

## Survey Report - Geographic

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Well:</b>	GEORGE 13N	<b>North Reference:</b>	True
<b>Wellbore:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	GEORGE 13N Final Surveys	<b>Database:</b>	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	
6,465.0	14.58	118.28	5,946.2	-689.3	2,211.2	1,352,847.69	3,265,943.60	40.298042	-104.546537	
6,560.0	9.07	155.61	6,039.3	-701.8	2,224.9	1,352,835.32	3,265,957.39	40.298008	-104.546488	
6,653.0	7.37	224.59	6,131.6	-712.7	2,223.7	1,352,824.36	3,265,956.34	40.297978	-104.546492	
6,747.0	15.68	238.95	6,223.6	-723.6	2,208.6	1,352,813.33	3,265,941.31	40.297948	-104.546547	
6,841.0	21.32	227.88	6,312.7	-741.6	2,185.0	1,352,795.05	3,265,917.92	40.297899	-104.546631	
6,935.0	26.36	236.15	6,398.7	-764.7	2,154.9	1,352,771.63	3,265,888.14	40.297835	-104.546739	
7,030.0	30.87	256.96	6,482.3	-782.0	2,113.5	1,352,753.89	3,265,846.94	40.297788	-104.546887	
7,124.0	40.85	262.98	6,558.4	-791.2	2,059.4	1,352,744.09	3,265,792.89	40.297762	-104.547081	
7,218.0	49.45	263.33	6,624.6	-799.2	1,993.3	1,352,735.46	3,265,726.87	40.297741	-104.547318	
7,312.0	57.70	266.58	6,680.4	-805.7	1,918.0	1,352,728.13	3,265,651.68	40.297723	-104.547588	
7,406.0	66.23	268.98	6,724.5	-808.8	1,835.2	1,352,724.11	3,265,568.90	40.297714	-104.547885	
7,500.0	75.59	269.46	6,755.3	-810.0	1,746.5	1,352,721.96	3,265,480.20	40.297711	-104.548203	
7,594.0	83.01	269.31	6,772.7	-811.0	1,654.2	1,352,719.99	3,265,387.92	40.297708	-104.548534	
7,688.0	86.51	268.14	6,781.3	-813.1	1,560.6	1,352,716.91	3,265,294.39	40.297703	-104.548870	
7,781.0	89.05	267.94	6,784.9	-816.3	1,467.7	1,352,712.74	3,265,201.56	40.297694	-104.549202	
<b>LPL - 2557' FSL &amp; 797' FEL</b>										
7,875.0	89.31	269.78	6,786.2	-818.2	1,373.8	1,352,709.87	3,265,107.62	40.297689	-104.549539	
7,970.0	89.68	269.69	6,787.1	-818.6	1,278.8	1,352,708.41	3,265,012.64	40.297688	-104.549880	
8,063.0	89.75	271.05	6,787.5	-818.0	1,185.8	1,352,708.02	3,264,919.65	40.297689	-104.550213	
8,157.0	89.66	270.85	6,788.0	-816.4	1,091.8	1,352,708.58	3,264,825.66	40.297693	-104.550550	
8,251.0	89.69	270.90	6,788.5	-815.0	997.8	1,352,709.01	3,264,731.66	40.297697	-104.550887	
8,345.0	89.48	270.09	6,789.2	-814.2	903.8	1,352,708.82	3,264,637.67	40.297700	-104.551224	
8,439.0	89.68	270.20	6,789.9	-814.0	809.8	1,352,708.06	3,264,543.68	40.297700	-104.551561	
8,533.0	89.70	269.87	6,790.4	-813.9	715.8	1,352,707.11	3,264,449.69	40.297700	-104.551898	
8,627.0	89.92	269.48	6,790.7	-814.4	621.8	1,352,705.58	3,264,355.71	40.297699	-104.552235	
8,722.0	89.72	269.21	6,791.0	-815.5	526.8	1,352,703.48	3,264,260.74	40.297696	-104.552576	
8,816.0	89.65	269.21	6,791.6	-816.8	432.8	1,352,701.18	3,264,166.77	40.297693	-104.552913	
8,909.0	89.66	269.28	6,792.1	-818.0	339.8	1,352,698.96	3,264,073.80	40.297689	-104.553246	
9,002.0	89.72	269.16	6,792.6	-819.3	246.9	1,352,696.71	3,263,980.84	40.297686	-104.553579	
9,096.0	89.76	269.20	6,793.0	-820.6	152.9	1,352,694.36	3,263,886.87	40.297682	-104.553916	
9,189.0	89.83	269.06	6,793.4	-822.1	59.9	1,352,691.96	3,263,793.91	40.297678	-104.554250	
9,284.0	89.69	269.34	6,793.8	-823.4	-35.1	1,352,689.62	3,263,698.94	40.297674	-104.554590	
9,377.0	89.82	268.94	6,794.2	-824.8	-128.1	1,352,687.23	3,263,605.98	40.297671	-104.554924	
9,470.0	89.90	269.28	6,794.4	-826.2	-221.1	1,352,684.79	3,263,513.01	40.297667	-104.555257	
9,564.0	89.72	269.53	6,794.7	-827.2	-315.1	1,352,682.82	3,263,419.04	40.297664	-104.555594	
9,657.0	89.52	269.09	6,795.3	-828.3	-408.1	1,352,680.70	3,263,326.07	40.297661	-104.555927	
9,752.0	89.82	269.02	6,795.9	-829.9	-503.1	1,352,678.12	3,263,231.11	40.297657	-104.556268	
9,846.0	89.85	269.07	6,796.1	-831.5	-597.0	1,352,675.56	3,263,137.15	40.297652	-104.556605	
9,939.0	89.73	269.03	6,796.5	-833.0	-690.0	1,352,673.02	3,263,044.19	40.297648	-104.556938	
10,033.0	89.71	269.19	6,796.9	-834.5	-784.0	1,352,670.56	3,262,950.23	40.297644	-104.557275	
10,127.0	89.75	269.08	6,797.4	-835.9	-878.0	1,352,668.14	3,262,856.26	40.297640	-104.557612	
10,221.0	89.46	269.29	6,798.0	-837.2	-972.0	1,352,665.80	3,262,762.30	40.297636	-104.557949	
10,315.0	89.69	269.16	6,798.7	-838.5	-1,066.0	1,352,663.53	3,262,668.33	40.297633	-104.558286	
10,409.0	89.82	268.91	6,799.1	-840.1	-1,160.0	1,352,660.94	3,262,574.37	40.297629	-104.558623	
10,503.0	89.54	269.01	6,799.7	-841.8	-1,254.0	1,352,658.23	3,262,480.42	40.297624	-104.558960	
10,596.0	89.55	269.09	6,800.4	-843.3	-1,346.9	1,352,655.70	3,262,387.46	40.297620	-104.559293	
10,690.0	89.76	269.13	6,801.0	-844.8	-1,440.9	1,352,653.24	3,262,293.50	40.297616	-104.559630	
10,784.0	89.85	270.25	6,801.3	-845.3	-1,534.9	1,352,651.73	3,262,199.52	40.297614	-104.559967	
10,878.0	89.80	269.96	6,801.6	-845.1	-1,628.9	1,352,650.90	3,262,105.53	40.297615	-104.560304	
10,972.0	89.76	269.96	6,801.9	-845.2	-1,722.9	1,352,649.83	3,262,011.54	40.297614	-104.560641	
11,066.0	89.74	270.04	6,802.3	-845.2	-1,816.9	1,352,648.83	3,261,917.55	40.297614	-104.560978	
11,159.0	89.56	269.87	6,802.9	-845.3	-1,909.9	1,352,647.76	3,261,824.56	40.297614	-104.561311	
11,253.0	89.81	270.09	6,803.4	-845.3	-2,003.9	1,352,646.73	3,261,730.57	40.297614	-104.561648	
11,347.0	89.60	269.89	6,803.9	-845.3	-2,097.9	1,352,645.71	3,261,636.58	40.297614	-104.561985	
11,442.0	89.60	270.31	6,804.6	-845.1	-2,192.9	1,352,644.86	3,261,541.59	40.297615	-104.562326	

# Ensign

## Survey Report - Geographic

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Well:</b>	GEORGE 13N	<b>North Reference:</b>	True
<b>Wellbore:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	GEORGE 13N Final Surveys	<b>Database:</b>	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
11,536.0	89.62	270.04	6,805.2	-844.8	-2,286.9	1,352,644.15	3,261,447.60	40.297615	-104.562663
11,630.0	89.66	270.06	6,805.8	-844.8	-2,380.9	1,352,643.23	3,261,353.61	40.297615	-104.563000
11,724.0	89.87	269.82	6,806.2	-844.9	-2,474.9	1,352,642.13	3,261,259.62	40.297615	-104.563337
11,818.0	89.71	270.01	6,806.5	-845.0	-2,568.9	1,352,640.99	3,261,165.64	40.297615	-104.563674
11,912.0	89.58	270.07	6,807.1	-844.9	-2,662.9	1,352,640.05	3,261,071.65	40.297615	-104.564011
12,007.0	89.75	270.18	6,807.7	-844.7	-2,757.9	1,352,639.24	3,260,976.66	40.297615	-104.564351
12,100.0	89.66	269.68	6,808.2	-844.8	-2,850.9	1,352,638.14	3,260,883.67	40.297615	-104.564685
12,195.0	89.93	269.96	6,808.5	-845.1	-2,945.9	1,352,636.83	3,260,788.68	40.297614	-104.565025
12,289.0	89.87	270.34	6,808.7	-844.9	-3,039.9	1,352,636.07	3,260,694.69	40.297615	-104.565362
12,382.0	89.74	269.66	6,809.0	-844.9	-3,132.9	1,352,635.08	3,260,601.70	40.297615	-104.565696
12,476.0	89.97	270.04	6,809.2	-845.1	-3,226.9	1,352,633.83	3,260,507.71	40.297614	-104.566033
12,569.0	89.47	270.14	6,809.7	-845.0	-3,319.9	1,352,632.98	3,260,414.72	40.297615	-104.566366
12,663.0	89.60	269.74	6,810.4	-845.1	-3,413.9	1,352,631.88	3,260,320.74	40.297614	-104.566703
12,756.0	89.87	270.19	6,810.9	-845.2	-3,506.9	1,352,630.84	3,260,227.75	40.297614	-104.567036
12,850.0	89.80	269.92	6,811.1	-845.1	-3,600.9	1,352,629.92	3,260,133.76	40.297614	-104.567373
12,944.0	89.54	270.25	6,811.7	-844.9	-3,694.9	1,352,629.06	3,260,039.77	40.297615	-104.567710
13,038.0	89.77	270.33	6,812.2	-844.4	-3,788.9	1,352,628.53	3,259,945.77	40.297616	-104.568047
13,132.0	89.65	270.15	6,812.7	-844.1	-3,882.9	1,352,627.93	3,259,851.78	40.297617	-104.568384
13,226.0	89.70	270.46	6,813.2	-843.6	-3,976.9	1,352,627.42	3,259,757.79	40.297618	-104.568721
13,320.0	89.86	269.69	6,813.6	-843.4	-4,070.9	1,352,626.54	3,259,663.80	40.297619	-104.569058
13,413.0	89.64	270.25	6,814.0	-843.5	-4,163.9	1,352,625.50	3,259,570.81	40.297618	-104.569392
13,506.0	89.63	269.84	6,814.6	-843.4	-4,256.9	1,352,624.59	3,259,477.82	40.297619	-104.569725
13,600.0	89.63	270.24	6,815.2	-843.3	-4,350.9	1,352,623.65	3,259,383.83	40.297619	-104.570062
13,694.0	89.52	270.10	6,815.9	-843.1	-4,444.9	1,352,622.93	3,259,289.84	40.297619	-104.570399
13,789.0	89.81	270.33	6,816.5	-842.7	-4,539.9	1,352,622.27	3,259,194.85	40.297620	-104.570739
13,883.0	89.71	270.70	6,816.9	-841.9	-4,633.9	1,352,622.11	3,259,100.85	40.297623	-104.571076
13,975.0	89.54	270.44	6,817.5	-840.9	-4,725.9	1,352,622.05	3,259,008.86	40.297625	-104.571406
14,070.0	89.79	270.54	6,818.0	-840.1	-4,820.9	1,352,621.85	3,258,913.87	40.297627	-104.571747
14,163.0	90.04	269.88	6,818.2	-839.8	-4,913.9	1,352,621.20	3,258,820.87	40.297628	-104.572080
14,256.0	89.91	270.82	6,818.2	-839.2	-5,006.8	1,352,620.77	3,258,727.88	40.297630	-104.572414
14,350.0	89.65	270.08	6,818.6	-838.5	-5,100.8	1,352,620.51	3,258,633.89	40.297632	-104.572751
14,444.0	89.57	270.17	6,819.2	-838.3	-5,194.8	1,352,619.71	3,258,539.90	40.297632	-104.573088
14,538.0	89.75	269.56	6,819.8	-838.5	-5,288.8	1,352,618.49	3,258,445.91	40.297631	-104.573425
14,631.0	89.19	269.90	6,820.6	-838.9	-5,381.8	1,352,617.06	3,258,352.93	40.297630	-104.573758
14,724.0	89.66	269.95	6,821.5	-839.1	-5,474.8	1,352,615.94	3,258,259.95	40.297630	-104.574091
14,818.0	89.80	269.48	6,822.0	-839.5	-5,568.8	1,352,614.47	3,258,165.96	40.297628	-104.574428
14,911.0	89.92	269.62	6,822.2	-840.3	-5,661.8	1,352,612.75	3,258,072.98	40.297626	-104.574762
15,006.0	89.58	270.08	6,822.6	-840.5	-5,756.8	1,352,611.49	3,257,978.00	40.297626	-104.575102
15,100.0	89.47	270.11	6,823.4	-840.4	-5,850.8	1,352,610.64	3,257,884.01	40.297626	-104.575439
15,194.0	89.42	269.66	6,824.3	-840.5	-5,944.8	1,352,609.45	3,257,790.02	40.297625	-104.575776
15,287.0	89.37	269.75	6,825.3	-841.0	-6,037.8	1,352,607.98	3,257,697.05	40.297624	-104.576110
15,382.0	89.74	269.18	6,826.0	-841.9	-6,132.8	1,352,606.08	3,257,602.07	40.297622	-104.576450
15,476.0	90.09	269.44	6,826.2	-843.0	-6,226.8	1,352,603.95	3,257,508.10	40.297618	-104.576787
15,571.0	89.61	270.22	6,826.4	-843.3	-6,321.8	1,352,602.65	3,257,413.12	40.297618	-104.577128
15,665.0	89.80	270.27	6,826.9	-842.9	-6,415.8	1,352,602.05	3,257,319.12	40.297619	-104.577465
15,759.0	89.96	270.43	6,827.1	-842.3	-6,509.8	1,352,601.63	3,257,225.13	40.297620	-104.577802
15,854.0	89.18	269.90	6,827.8	-842.1	-6,604.8	1,352,600.89	3,257,130.14	40.297621	-104.578142
15,947.0	89.95	269.55	6,828.5	-842.5	-6,697.8	1,352,599.45	3,257,037.16	40.297619	-104.578476
16,040.0	89.35	270.67	6,829.1	-842.3	-6,790.8	1,352,598.64	3,256,944.17	40.297620	-104.578809
16,134.0	90.00	269.95	6,829.6	-841.8	-6,884.8	1,352,598.14	3,256,850.18	40.297621	-104.579146
16,229.0	90.05	269.92	6,829.6	-841.9	-6,979.8	1,352,597.02	3,256,755.19	40.297621	-104.579486
16,417.0	89.77	269.93	6,829.9	-842.2	-7,167.8	1,352,594.77	3,256,567.21	40.297620	-104.580160
16,511.0	90.01	269.62	6,830.1	-842.6	-7,261.8	1,352,593.40	3,256,473.23	40.297619	-104.580497
16,605.0	89.86	270.25	6,830.2	-842.7	-7,355.8	1,352,592.29	3,256,379.24	40.297619	-104.580834
16,699.0	89.61	269.70	6,830.6	-842.7	-7,449.8	1,352,591.25	3,256,285.25	40.297618	-104.581171

# Ensign

## Survey Report - Geographic

<b>Company:</b> Chevron DJ Basin	<b>Local Co-ordinate Reference:</b> Well GEORGE 13N
<b>Project:</b> SEC.21-T4N-R64W	<b>TVD Reference:</b> Well @ 4743.0ft (T41 - RKB 25')
<b>Site:</b> George Pad	<b>MD Reference:</b> Well @ 4743.0ft (T41 - RKB 25')
<b>Well:</b> GEORGE 13N	<b>North Reference:</b> True
<b>Wellbore:</b> GEORGE 13N	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> GEORGE 13N Final Surveys	<b>Database:</b> 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	
16,792.0	89.92	270.06	6,831.0	-842.9	-7,542.8	1,352,590.06	3,256,192.26	40.297618	-104.581505	
16,886.0	89.70	269.98	6,831.3	-842.9	-7,636.8	1,352,589.09	3,256,098.27	40.297618	-104.581842	
16,980.0	89.63	269.91	6,831.8	-843.0	-7,730.8	1,352,588.00	3,256,004.28	40.297617	-104.582179	
17,073.0	89.92	270.28	6,832.2	-842.8	-7,823.8	1,352,587.16	3,255,911.29	40.297618	-104.582512	
17,168.0	89.93	270.34	6,832.3	-842.3	-7,918.8	1,352,586.66	3,255,816.30	40.297619	-104.582853	
17,262.0	89.83	270.26	6,832.5	-841.8	-8,012.8	1,352,586.15	3,255,722.30	40.297620	-104.583190	
17,319.0	89.83	270.26	6,832.7	-841.5	-8,069.8	1,352,585.80	3,255,665.31	40.297621	-104.583394	
<b>BHL - 2538' FSL &amp; 205' FWL</b>										

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)		
7,781.0	6,784.9	-816.3	1,467.7	LPL - 2557' FSL & 797' FEL	
17,319.0	6,832.7	-841.5	-8,069.8	BHL - 2538' FSL & 205' FWL	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

# **Chevron DJ Basin**

**SEC.21-T4N-R64W**

**George Pad**

**GEORGE 13N**

**GEORGE 13N**

**GEORGE 13N Final Surveys**

## **Anticollision Summary Report**

**24 April, 2024**

# Ensign

## Anticollision Summary Report

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Reference Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	3.50 sigma
<b>Reference Wellbore</b>	GEORGE 13N	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	GEORGE 13N Final Surveys	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	GEORGE 13N Final Surveys		
<b>Filter type:</b>	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of refere		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum ellipse separation of 1,000.0 ft	<b>Error Surface:</b>	Combined Pedal Curve
<b>Warning Levels Evaluated at:</b>	3.50 Sigma	<b>Casing Method:</b>	N/A Unknown

<b>Survey Program</b>	Date	04/24/2024		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
208.0	17,319.0	Survey #1 (GEORGE 13N)	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
<b>Balboa C20-24D Pad Sec.20-T4N-R64W</b>						
Balboa C20-24D - Wellbore #1 - Wellbore #1	14,800.0	7,028.5	1,178.2	998.2	6.619	CC
Balboa C20-24D - Wellbore #1 - Wellbore #1	14,802.8	7,028.4	1,178.3	998.1	6.617	ES
Balboa C20-24D - Wellbore #1 - Wellbore #1	14,900.0	7,027.1	1,182.4	1,000.9	6.590	SF
Chenoweth C20-25D - Wellbore #1 - Wellbore #1	16,224.3	7,126.4	1,287.3	1,075.5	6.136	CC, ES
Chenoweth C20-25D - Wellbore #1 - Wellbore #1	16,300.0	7,126.7	1,289.5	1,076.8	6.121	SF
<b>Borys Pad</b>						
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	6,931.6	7,237.9	697.5	638.1	12.189	CC, ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,000.0	7,252.1	703.5	642.3	11.930	SF
<b>George Pad</b>						
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	0.0	0.0	180.0			
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	1,100.0	1,084.6	241.5	228.4	22.616	SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	504.8	504.6	162.5	153.4	24.007	CC, ES
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	1,300.0	1,298.3	239.4	224.9	19.523	SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Finz	610.5	612.0	143.1	133.4	19.523	CC, ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Finz	1,200.0	1,196.4	180.6	166.8	15.780	SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	638.4	640.5	132.3	122.5	17.708	CC, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	1,200.0	1,205.6	153.4	139.8	13.453	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	680.2	683.4	119.5	109.5	15.417	CC
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	700.0	703.6	119.6	109.5	15.192	ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	17,319.0	18,129.0	1,758.5	1,421.1	5.241	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	662.0	664.1	96.4	86.4	12.548	CC, ES
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	17,319.0	17,947.0	1,534.4	1,200.2	4.619	SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Finz	0.0	0.0	90.0			
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Finz	600.0	599.5	90.8	81.3	12.388	ES
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Finz	17,319.0	18,088.0	1,311.4	974.2	3.910	SF
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	657.3	659.9	67.2	57.3	8.680	CC, ES
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	17,319.0	17,984.0	1,080.7	744.9	3.235	SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	1,104.4	1,110.2	48.2	35.3	4.376	CC, ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	17,319.0	17,953.0	860.1	525.7	2.584	SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Final Su	519.5	519.9	23.4	14.3	3.149	CC, ES
GEORGE 10N - GEORGE 10N - GEORGE 10N Final Su	17,319.0	17,943.2	662.2	328.4	1.991	SF
GEORGE 11N - GEORGE 11N - GEORGE 11N Final Su	600.0	600.1	28.9	19.5	3.766	CC, ES
GEORGE 11N - GEORGE 11N - GEORGE 11N Final Su	17,319.0	17,991.8	438.6	103.5	1.311	Collision Monitoring, SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Final Su	100.0	100.0	15.0	6.8	2.183	CC
GEORGE 12N - GEORGE 12N - GEORGE 12N Final Su	17,319.0	18,045.5	228.2	-90.2	0.714	Authorization, ES, SF

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

# Ensign

## Anticollision Summary Report

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Reference Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	3.50 sigma
<b>Reference Wellbore</b>	GEORGE 13N	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	GEORGE 13N Final Surveys	<b>Offset TVD Reference:</b>	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 13N - GEORGE 13N - GEORGE 13N Plan #3	8,000.0	8,045.5	0.4	-32.2	-0.066	Unacceptable Path, SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	8,848.4	8,893.9	0.2	-38.8	-0.061	Unacceptable Path, CC
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	17,319.0	17,364.3	8.5	-285.7	0.021	Unacceptable Path, ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Final Su	0.0	0.0	15.0			
GEORGE 14N - GEORGE 14N - GEORGE 14N Final Su	17,319.0	17,315.0	222.8	-91.4	0.707	Authorization, ES, SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	0.0	0.0	15.0			
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	17,319.0	17,313.2	237.9	-74.9	0.759	Shut in, ES, SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Fina	214.5	214.4	29.9	21.6	4.720	CC, ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Fina	17,319.0	17,377.0	453.5	129.5	1.403	Collision Monitoring, SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	214.5	214.4	29.9	21.6	4.720	CC, ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	17,319.0	17,407.6	446.3	121.8	1.378	Collision Monitoring, SF
GEORGE 16N - GEORGE 16N - GEORGE 16N Final Su	0.0	0.0	45.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N Final Su	17,319.0	17,414.0	680.2	356.3	2.109	SF
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	0.0	0.0	45.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	17,319.0	17,432.0	665.4	341.2	2.060	SF
GEORGE 17N - George 17N - George 17N Final Survey	219.5	219.2	59.1	50.8	9.738	CC, ES
GEORGE 17N - George 17N - George 17N Final Survey	17,319.0	17,386.3	880.6	557.7	2.740	SF
GEORGE 17N - George 17N - GEORGE 17N Plan #3 4-	219.5	219.2	59.1	50.8	9.738	CC, ES
GEORGE 17N - George 17N - GEORGE 17N Plan #3 4-	17,319.0	17,392.8	887.3	564.1	2.759	SF
GEORGE 18N - GEORGE 18N - GEORGE 18N	0.0	0.0	75.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	0.0	0.0	75.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	17,319.0	17,501.6	1,103.5	779.8	3.427	SF
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA	0.0	0.0	90.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	0.0	0.0	90.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	17,319.0	17,496.7	1,325.5	1,002.0	4.121	SF
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	109.4	109.0	104.8	96.8	17.777	CC, ES
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	17,319.0	27,195.1	1,541.8	1,168.2	4.146	SF
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	1,355.2	1,352.2	92.0	77.1	7.090	CC, ES
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	1,400.0	1,395.3	92.7	77.5	6.956	SF
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	109.4	109.0	134.8	126.6	22.937	CC, ES
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	300.0	290.8	140.7	132.2	22.727	SF
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	109.5	109.0	149.6	141.4	25.567	CC, ES
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	6,400.0	6,020.6	1,757.5	1,661.3	18.737	SF
Long C20-18 Pad Sec.20-T4N-R64W						
Long C20-21D - Wellbore #1 - Wellbore #1	14,767.8	7,048.0	206.7	27.4	1.155	Collision Monitoring, CC,
Long C20-22D - Wellbore #1 - Wellbore #1	13,562.6	7,122.1	271.7	112.6	1.719	CC, ES, SF
SEC.15-T4N-R64W (Existing)						
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,065.5	9,159.0	365.4	273.8	4.072	CC
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,100.0	9,161.9	367.5	271.3	3.894	ES, SF
SEC.19-T4N-R64W (Exist)						
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	17,319.0	6,888.7	1,017.7	503.6	1.984	CC, ES, SF
VCTOR C19-9 - VICTOR C19-9 - VICTOR C19-9	17,319.0	6,896.3	981.0	860.8	8.307	CC, ES, SF

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

# Ensign

## Anticollision Summary Report

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Reference Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	3.50 sigma
<b>Reference Wellbore</b>	GEORGE 13N	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	GEORGE 13N Final Surveys	<b>Offset TVD Reference:</b>	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
<b>SEC.20-T4N-R64W (Exist)</b>						
API 20-614 (Vert) - API 20-614 - API 20-614	15,542.3	6,848.2	733.2	538.5	3.800	CC, ES
API 20-614 (Vert) - API 20-614 - API 20-614	15,600.0	6,848.6	735.2	539.7	3.795	SF
BALBOA 20-3 - BALBOA 20-3 - BALBOA 20-3	14,015.3	6,819.3	566.5	403.3	3.509	CC, ES, SF
BALBOA C-20-2 (Vert) - BALBOA C-20-2 - BALBOA C-20-2	12,750.0	6,802.9	661.9	523.4	4.847	CC, ES
BALBOA C-20-2 (Vert) - BALBOA C-20-2 - BALBOA C-20-2	12,800.0	6,803.0	663.9	525.0	4.844	SF
BALBOA C20-23 (Vert) - BALBOA C20-23 - BALBOA C20-23	13,538.2	6,821.8	1,088.7	934.7	7.166	CC, ES
BALBOA C20-23 (Vert) - BALBOA C20-23 - BALBOA C20-23	13,600.0	6,822.2	1,090.5	935.6	7.134	SF
BALBOA C20-24D - BALBOA C20-24D - BALBOA 20C-2	14,808.5	7,028.5	1,174.5	994.3	6.592	CC, ES
BALBOA C20-24D - BALBOA C20-24D - BALBOA 20C-2	14,900.0	7,027.2	1,178.1	996.5	6.562	SF
BALBOA C20-9X - BALBOA C20-9X - BALBOA C20-9X	12,769.3	6,787.0	389.7	251.4	2.851	CC, ES, SF
CHENOWETH 2 - CHENOWETH 2 - CHENOWETH 2	16,895.1	6,881.2	1,867.4	1,645.0	8.480	CC
CHENOWETH 2 - CHENOWETH 2 - CHENOWETH 2	16,900.0	6,881.3	1,867.4	1,645.0	8.477	ES
CHENOWETH 2 - CHENOWETH 2 - CHENOWETH 2	17,100.0	6,883.4	1,878.9	1,653.6	8.419	SF
CHENOWETH C20-25D - CHENOWETH C20-25D - CHI	16,229.9	7,126.4	1,283.7	1,071.7	6.115	CC, ES
CHENOWETH C20-25D - CHENOWETH C20-25D - CHI	16,300.0	7,126.7	1,285.6	1,072.8	6.100	SF
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-20	15,659.1	6,834.2	420.9	224.4	2.156	CC, ES, SF
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-20	16,888.6	6,861.5	582.2	359.4	2.631	CC
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-20	16,900.0	6,861.5	582.3	359.3	2.629	ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S)	17,000.0	9,240.0	361.6	264.0	3.775	CC, ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S)	16,900.0	9,245.1	395.9	295.2	4.004	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S)	17,000.0	9,241.5	380.8	283.9	4.007	CC, ES
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	14,717.0	6,825.5	1,621.3	1,443.4	9.230	CC, ES
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	14,900.0	6,826.2	1,632.3	1,451.6	9.143	SF
LONG C20-21D - LONG C20-21D - LONG C20-21D	14,770.5	7,048.0	210.3	30.9	1.175	Collision Monitoring, CC, ES
LONG C20-22D - LONG C20-22D - LONG C20-22D	13,565.4	7,122.1	271.7	112.6	1.719	CC, ES, SF
PREBISH 2 - PREBISH 2 - PREBISH 2	16,772.7	6,871.9	811.2	591.2	3.717	CC
PREBISH 2 - PREBISH 2 - PREBISH 2	16,800.0	6,871.6	811.6	591.1	3.711	ES, SF
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-19	16,118.5	6,830.0	1,487.5	1,282.5	7.335	CC, ES
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-19	16,200.0	6,828.5	1,490.0	1,283.6	7.295	SF
TODD 2 (Vert) - TODD 2 - TODD 2	14,245.4	6,812.2	1,188.1	682.3	2.355	CC, ES, SF
TODD 20-8 (Vert) - TODD 20-8 - TODD 20-8	12,986.1	6,800.9	674.4	176.9	1.357	Collision Monitoring, CC, ES
TODD 20-8 (Vert) - TODD 20-8 - TODD 20-8	13,000.0	6,801.1	674.4	176.9	1.357	Collision Monitoring, ES, SF
<b>SEC.21-T4N-R64W (Exist)</b>						
HAMLIN C21-22 (Vert) - HAMLIN C21-22 - HAMLIN C21-22	8,169.8	6,750.1	53.6	-424.2	0.108	Unacceptable Path, CC, ES
HANSCOME C21-20 (Vert) - HANSCOME C21-20 - HANSCOME C21-20	10,926.9	6,803.7	64.3	-423.6	0.127	Unacceptable Path, CC, ES
HANSCOME C21-21 (Vert) - HANSCOME C21-21 - HANSCOME C21-21	9,591.8	6,790.9	67.5	-415.4	0.135	Unacceptable Path, CC, ES
HANSCOME C21-79HN - HANSCOME C21-79HN - HANSCOME C21-79HN	12,340.6	8,649.6	75.7	11.4	1.185	Collision Monitoring, CC, ES
KLEIN 21-12 (Vert) - KLEIN 21-12 - KLEIN 21-12	11,600.0	6,806.6	530.2	39.4	1.081	Collision Monitoring, CC, ES
LEONARD 2 - LEONARD 2 - LEONARD 2	11,530.7	6,779.7	684.1	569.7	6.087	CC, ES
LEONARD 2 - LEONARD 2 - LEONARD 2	11,600.0	6,780.2	687.7	572.2	6.062	SF
LEONARD 21-10 (Vert) - LEONARD 21-10 - LEONARD 21-10	8,954.4	6,772.4	578.4	97.9	1.205	Collision Monitoring, CC, ES
LEONARD 21-614 - LEONARD 21-614 - LEONARD 21-614	10,281.9	6,790.0	762.5	670.0	8.447	CC
LEONARD 21-614 - LEONARD 21-614 - LEONARD 21-614	10,300.0	6,790.2	762.6	669.8	8.412	ES
LEONARD 21-614 - LEONARD 21-614 - LEONARD 21-614	10,400.0	6,790.5	771.7	677.4	8.376	SF
LEONARD 3 (Vert) - LEONARD 3 - LEONARD 3	10,299.2	6,818.6	558.7	71.9	1.148	Collision Monitoring, CC, ES
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	2,046.1	1,961.2	88.4	-51.8	0.624	Authorization, CC, SF
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	2,100.0	2,010.2	91.1	-52.5	0.628	Authorization, ES
THOUTT 2 - THOUTT 2 - THOUTT 2	7,600.0	6,890.1	785.1	722.9	13.103	SF
THOUTT 2 - THOUTT 2 - THOUTT 2	7,641.3	6,894.4	784.2	722.2	13.129	CC, ES

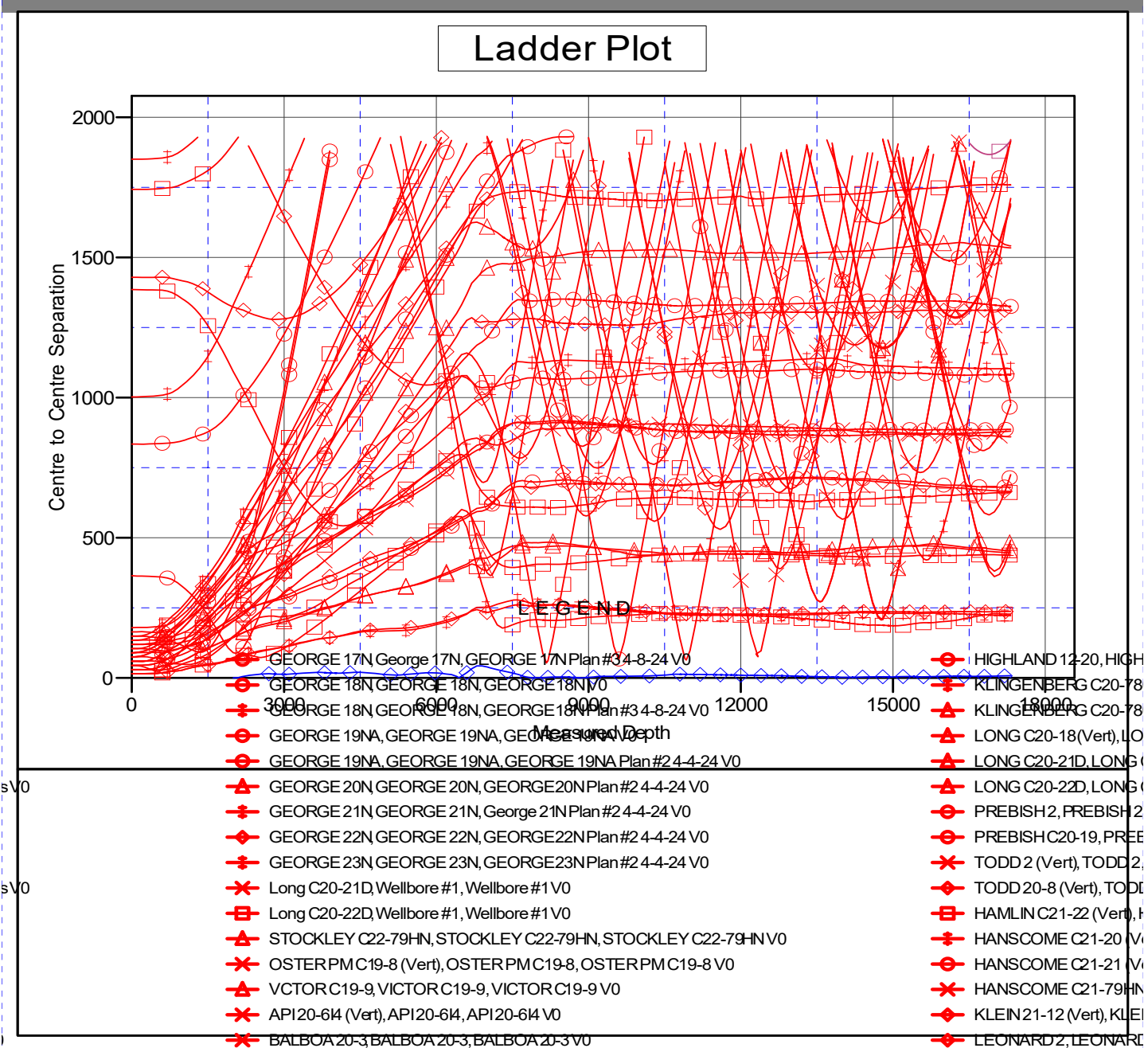
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Ensign

## Anticollision Summary Report

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Reference Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	3.50 sigma
<b>Reference Wellbore</b>	GEORGE 13N	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	GEORGE 13N Final Surveys	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to Well @ 4743.0ft (T41 - RKB 25')      Coordinates are relative to: GEORGE 13N  
 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

<b>Company:</b>	Chevron DJ Basin	<b>Local Co-ordinate Reference:</b>	Well GEORGE 13N
<b>Project:</b>	SEC.21-T4N-R64W	<b>TVD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Reference Site:</b>	George Pad	<b>MD Reference:</b>	Well @ 4743.0ft (T41 - RKB 25')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GEORGE 13N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	3.50 sigma
<b>Reference Wellbore</b>	GEORGE 13N	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	GEORGE 13N Final Surveys	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to Well @ 4743.0ft (T41 - RKB 25')      Coordinates are relative to: GEORGE 13N  
 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°

