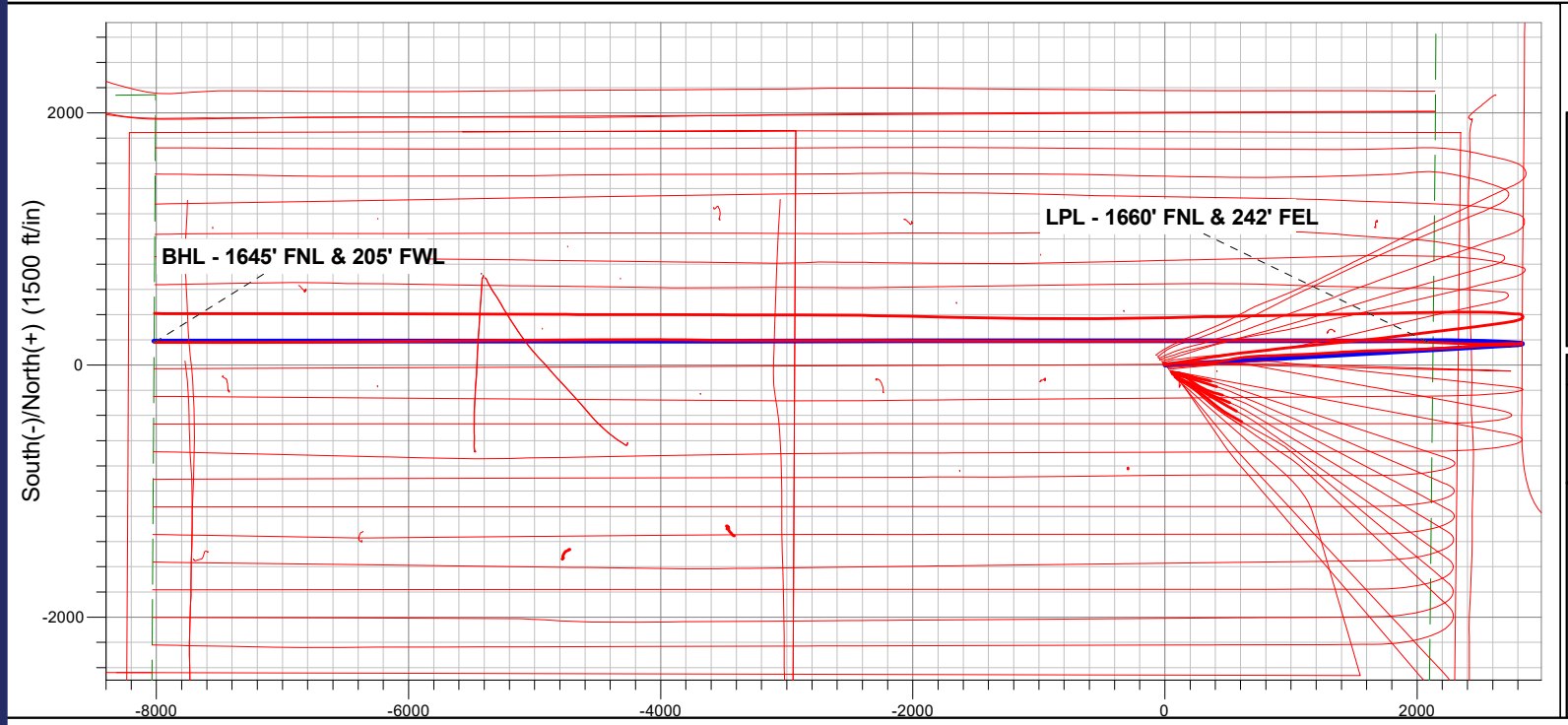
Chevron DJ Basin

GEORGE 08N
George Pad
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4717.0

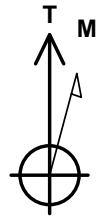
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1353568.97	3263674.97	40.300089	-104.554642

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

ENSIGN Directional



George Pad
GEORGE 08N
GEORGE 08N Final Surveys
11:03, April 10 2024



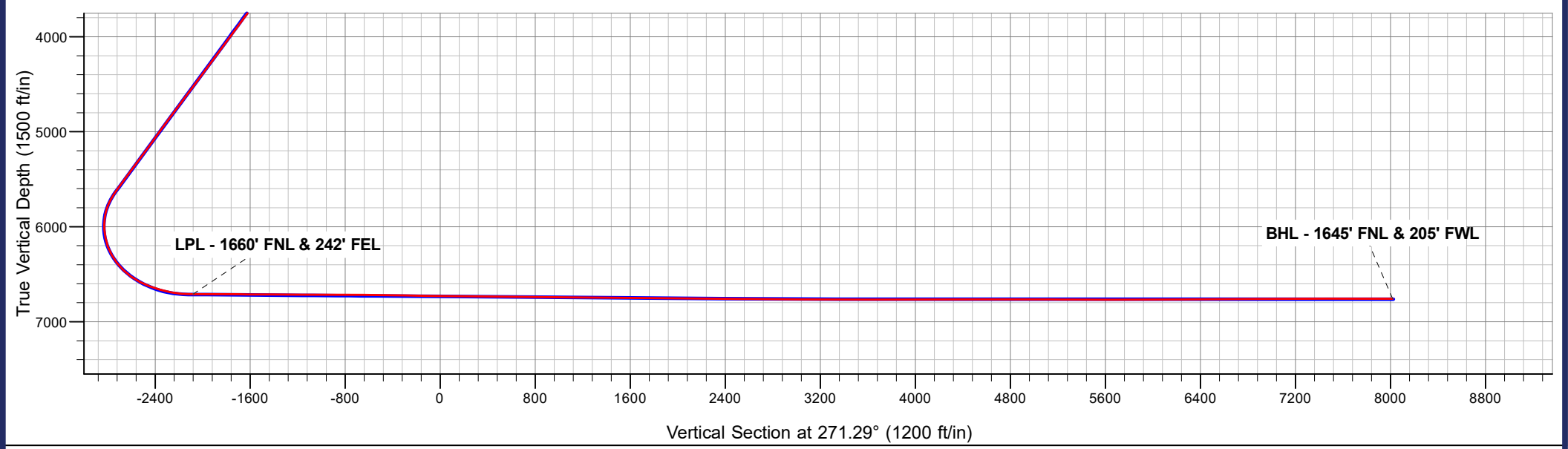
Azimuths to True North
Magnetic North: 7.66°

Magnetic Field
Strength: 51621.0nT
Dip Angle: 66.54°
Date: 02/14/2024
Model: HRGM

ANNOTATIONS

MD	TVD	Annotation
7881.0	6711.1	LPL - 1660' FNL & 242' FEL
17984.0	6757.4	BHL - 1645' FNL & 205' FWL

FINAL SURVEY
Projected Bottom Hole Location
17984.0' MD / 6757.4' TVD
89.94° INC / 269.93° AZM
1645' FNL / 205' FWL



Chevron DJ Basin

SEC.21-T4N-R64W
George Pad
GEORGE 08N

GEORGE 08N

Design: GEORGE 08N Final Surveys

Survey Report - Geographic

10 April, 2024

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**North Reference:**	True
Wellbore:	GEORGE 08N	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 08N 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 08N				
Well Position	**+N/-S** 0.0 ft	**Northing:**	1,353,568.97 usft	**Latitude:**	40.300089
	+E/-W 0.0 ft	**Easting:**	3,263,674.97 usft	**Longitude:**	-104.554642
Position Uncertainty	0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,717.0 ft

Wellbore	GEORGE 08N				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HRGM	02/14/2024	7.66	66.54	51,620.98859406

Design	GEORGE 08N 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	271.29

Survey Program **Date** 04/10/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	17,984.0	Survey #1 (GEORGE 08N)	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	1,353,568.97	3,263,674.97	40.300089	-104.554642
208.0	0.35	259.73	208.0	-0.1	-0.6	1,353,568.85	3,263,674.35	40.300089	-104.554645
300.0	4.13	71.82	299.9	0.9	2.2	1,353,569.87	3,263,677.21	40.300091	-104.554634
394.0	6.33	71.47	393.5	3.6	10.4	1,353,572.66	3,263,685.31	40.300099	-104.554605
488.0	6.51	70.41	486.9	7.0	20.3	1,353,576.20	3,263,695.21	40.300108	-104.554570
582.0	8.44	80.26	580.1	10.0	32.1	1,353,579.28	3,263,706.99	40.300116	-104.554527
677.0	10.29	85.36	673.9	11.8	47.5	1,353,581.31	3,263,722.30	40.300121	-104.554472
771.0	11.34	84.48	766.2	13.4	65.0	1,353,583.06	3,263,739.85	40.300126	-104.554409
865.0	11.96	83.60	858.3	15.4	83.9	1,353,585.24	3,263,758.71	40.300131	-104.554342
958.0	13.10	83.25	949.0	17.7	104.0	1,353,587.76	3,263,778.72	40.300137	-104.554270
1,052.0	16.88	86.23	1,039.8	19.8	128.2	1,353,590.17	3,263,802.90	40.300143	-104.554183
1,146.0	18.03	89.57	1,129.5	20.8	156.3	1,353,591.48	3,263,831.06	40.300146	-104.554082

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**North Reference:**	True
Wellbore:	GEORGE 08N	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 08N 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	20.58	89.75	1,217.3	21.0	187.1	1,353,591.99	3,263,861.79	40.300147	-104.553972
1,334.0	22.51	91.16	1,305.6	20.7	221.9	1,353,592.06	3,263,896.68	40.300146	-104.553847
1,428.0	24.27	91.16	1,391.9	20.0	259.3	1,353,591.70	3,263,933.99	40.300144	-104.553713
1,522.0	26.82	90.10	1,476.7	19.5	299.8	1,353,591.71	3,263,974.52	40.300143	-104.553568
1,616.0	26.64	87.64	1,560.7	20.4	342.0	1,353,592.99	3,264,016.77	40.300145	-104.553416
1,804.0	28.05	82.89	1,727.7	27.6	428.0	1,353,601.11	3,264,102.67	40.300165	-104.553108
1,897.0	29.19	80.43	1,809.3	34.1	472.1	1,353,608.06	3,264,146.66	40.300182	-104.552950
1,940.0	29.63	80.08	1,846.8	37.6	492.9	1,353,611.86	3,264,167.43	40.300192	-104.552875
2,054.0	28.84	79.97	1,946.2	47.3	547.7	1,353,622.08	3,264,222.16	40.300219	-104.552679
2,147.0	29.87	80.53	2,027.3	55.0	592.7	1,353,630.28	3,264,267.00	40.300240	-104.552518
2,240.0	30.76	81.04	2,107.6	62.5	639.0	1,353,638.29	3,264,313.25	40.300260	-104.552352
2,334.0	30.79	88.66	2,188.4	66.8	686.8	1,353,643.10	3,264,361.02	40.300272	-104.552180
2,427.0	31.34	87.06	2,268.0	68.6	734.8	1,353,645.41	3,264,408.94	40.300277	-104.552008
2,522.0	30.89	87.73	2,349.4	70.8	783.8	1,353,648.17	3,264,457.96	40.300283	-104.551832
2,616.0	30.71	87.48	2,430.1	72.9	831.9	1,353,650.69	3,264,506.02	40.300289	-104.551660
2,710.0	31.25	86.82	2,510.7	75.3	880.2	1,353,653.61	3,264,554.31	40.300295	-104.551487
2,803.0	31.17	88.19	2,590.2	77.4	928.4	1,353,656.22	3,264,602.43	40.300301	-104.551314
2,898.0	30.35	87.40	2,671.9	79.2	976.9	1,353,658.61	3,264,650.95	40.300306	-104.551140
2,991.0	31.57	88.51	2,751.6	80.9	1,024.7	1,353,660.82	3,264,698.74	40.300311	-104.550969
3,085.0	31.10	86.54	2,831.9	83.0	1,073.6	1,353,663.44	3,264,747.54	40.300317	-104.550794
3,179.0	30.79	86.93	2,912.5	85.8	1,121.8	1,353,666.71	3,264,795.77	40.300324	-104.550621
3,274.0	31.61	87.85	2,993.8	88.0	1,171.0	1,353,669.47	3,264,844.90	40.300330	-104.550444
3,368.0	30.93	86.95	3,074.1	90.2	1,219.7	1,353,672.20	3,264,893.61	40.300337	-104.550270
3,462.0	30.88	86.22	3,154.8	93.1	1,267.9	1,353,675.59	3,264,941.77	40.300344	-104.550097
3,556.0	30.70	86.29	3,235.6	96.2	1,315.9	1,353,679.24	3,264,989.75	40.300353	-104.549925
3,650.0	30.82	86.03	3,316.3	99.5	1,363.9	1,353,682.97	3,265,037.67	40.300362	-104.549753
3,744.0	30.83	86.45	3,397.1	102.6	1,412.0	1,353,686.64	3,265,085.70	40.300371	-104.549580
3,838.0	30.81	86.98	3,477.8	105.4	1,460.0	1,353,689.92	3,265,133.75	40.300378	-104.549408
3,932.0	31.27	87.16	3,558.3	107.9	1,508.5	1,353,692.91	3,265,182.12	40.300385	-104.549235
4,026.0	31.35	87.91	3,638.6	110.0	1,557.3	1,353,695.53	3,265,230.90	40.300391	-104.549060
4,120.0	31.03	88.05	3,719.0	111.7	1,605.9	1,353,697.76	3,265,279.52	40.300395	-104.548885
4,213.0	30.58	87.78	3,798.9	113.4	1,653.5	1,353,700.00	3,265,327.10	40.300400	-104.548714
4,307.0	30.65	88.63	3,879.8	114.9	1,701.3	1,353,702.01	3,265,374.92	40.300404	-104.548543
4,402.0	30.64	88.60	3,961.5	116.1	1,749.8	1,353,703.70	3,265,423.31	40.300407	-104.548369
4,496.0	30.56	88.80	4,042.5	117.2	1,797.6	1,353,705.29	3,265,471.13	40.300410	-104.548198
4,590.0	30.79	88.00	4,123.3	118.5	1,845.5	1,353,707.14	3,265,519.05	40.300414	-104.548026
4,684.0	30.94	88.65	4,204.0	119.9	1,893.7	1,353,709.07	3,265,567.23	40.300418	-104.547853
4,778.0	30.65	87.98	4,284.7	121.3	1,941.8	1,353,710.99	3,265,615.32	40.300422	-104.547681
4,871.0	30.68	88.40	4,364.7	122.8	1,989.2	1,353,713.00	3,265,662.70	40.300426	-104.547511
4,965.0	30.77	86.94	4,445.5	124.8	2,037.2	1,353,715.46	3,265,710.66	40.300431	-104.547339
5,059.0	30.89	87.07	4,526.3	127.3	2,085.3	1,353,718.49	3,265,758.74	40.300438	-104.547166
5,153.0	30.95	87.46	4,606.9	129.6	2,133.6	1,353,721.31	3,265,806.95	40.300444	-104.546993
5,247.0	30.87	87.44	4,687.5	131.8	2,181.8	1,353,723.97	3,265,855.17	40.300450	-104.546820
5,342.0	30.56	86.66	4,769.2	134.2	2,230.3	1,353,726.98	3,265,903.59	40.300457	-104.546647
5,436.0	31.11	86.92	4,849.9	136.9	2,278.4	1,353,730.19	3,265,951.66	40.300465	-104.546474
5,530.0	30.87	86.93	4,930.5	139.5	2,326.7	1,353,733.30	3,265,999.96	40.300472	-104.546301
5,625.0	29.72	85.99	5,012.5	142.5	2,374.5	1,353,736.77	3,266,047.75	40.300480	-104.546129
5,719.0	30.12	85.03	5,094.0	146.2	2,421.3	1,353,740.94	3,266,094.45	40.300490	-104.545962
5,813.0	30.72	87.19	5,175.1	149.4	2,468.8	1,353,744.66	3,266,141.89	40.300499	-104.545792
5,906.0	30.03	85.40	5,255.3	152.4	2,515.7	1,353,748.19	3,266,188.78	40.300507	-104.545623
6,001.0	30.86	88.05	5,337.2	155.2	2,563.7	1,353,751.44	3,266,236.79	40.300514	-104.545451
6,095.0	30.68	88.28	5,418.0	156.7	2,611.8	1,353,753.49	3,266,284.84	40.300519	-104.545279
6,189.0	30.78	88.29	5,498.8	158.1	2,659.8	1,353,755.44	3,266,332.83	40.300523	-104.545107
6,283.0	30.84	88.37	5,579.5	159.5	2,707.9	1,353,757.36	3,266,380.93	40.300526	-104.544934
6,376.0	27.31	87.18	5,660.8	161.3	2,753.1	1,353,759.57	3,266,426.06	40.300531	-104.544772

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**North Reference:**	True
Wellbore:	GEORGE 08N	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 08N 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
6,471.0	20.52	84.40	5,747.6	164.0	2,791.5	1,353,762.68	3,266,464.41	40.300539	-104.544635
6,565.0	12.47	79.68	5,837.6	167.4	2,817.9	1,353,766.39	3,266,490.80	40.300548	-104.544540
6,659.0	4.33	60.06	5,930.6	171.0	2,831.0	1,353,770.13	3,266,503.84	40.300558	-104.544493
6,752.0	1.96	262.97	6,023.5	172.5	2,832.4	1,353,771.70	3,266,505.29	40.300562	-104.544488
6,846.0	9.63	261.27	6,117.0	171.2	2,823.1	1,353,770.21	3,266,495.93	40.300558	-104.544521
6,941.0	15.90	267.12	6,209.6	169.3	2,802.2	1,353,768.12	3,266,475.08	40.300553	-104.544596
7,035.0	23.85	274.09	6,297.9	170.0	2,770.3	1,353,768.49	3,266,443.20	40.300555	-104.544711
7,129.0	31.90	269.21	6,380.9	171.0	2,726.5	1,353,769.04	3,266,399.33	40.300558	-104.544868
7,224.0	39.73	267.62	6,457.9	169.4	2,670.9	1,353,766.84	3,266,343.83	40.300554	-104.545067
7,317.0	48.41	269.00	6,524.7	167.6	2,606.3	1,353,764.31	3,266,279.26	40.300549	-104.545298
7,411.0	56.77	270.40	6,581.7	167.2	2,531.7	1,353,763.17	3,266,204.68	40.300548	-104.545566
7,505.0	64.41	270.37	6,627.9	167.8	2,449.9	1,353,762.85	3,266,122.86	40.300549	-104.545859
7,599.0	71.18	270.99	6,663.4	168.8	2,363.0	1,353,762.97	3,266,035.88	40.300552	-104.546171
7,693.0	76.71	272.64	6,689.4	171.7	2,272.7	1,353,764.88	3,265,945.61	40.300560	-104.546495
7,787.0	82.82	274.34	6,706.0	177.3	2,180.4	1,353,769.54	3,265,853.28	40.300575	-104.546825
7,881.0	90.98	272.48	6,711.1	182.9	2,086.8	1,353,774.11	3,265,759.61	40.300591	-104.547161
LPL - 1660' FNL & 242' FEL									
7,975.0	90.06	270.68	6,710.3	185.5	1,992.8	1,353,775.70	3,265,665.64	40.300598	-104.547498
8,069.0	89.78	270.83	6,710.4	186.7	1,898.9	1,353,775.94	3,265,571.64	40.300601	-104.547835
8,257.0	89.69	272.03	6,711.3	191.4	1,710.9	1,353,778.63	3,265,383.68	40.300614	-104.548509
8,350.0	89.58	271.11	6,711.9	194.0	1,618.0	1,353,780.18	3,265,290.70	40.300621	-104.548842
8,444.0	90.29	269.73	6,712.0	194.7	1,524.0	1,353,779.87	3,265,196.71	40.300623	-104.549179
8,538.0	89.29	269.72	6,712.3	194.2	1,430.0	1,353,778.42	3,265,102.72	40.300622	-104.549516
8,633.0	89.26	269.74	6,713.5	193.8	1,335.0	1,353,776.96	3,265,007.75	40.300621	-104.549856
8,727.0	89.96	270.12	6,714.2	193.7	1,241.0	1,353,775.84	3,264,913.76	40.300620	-104.550193
8,821.0	89.56	269.69	6,714.6	193.5	1,147.0	1,353,774.68	3,264,819.77	40.300620	-104.550530
8,914.0	89.64	270.22	6,715.2	193.4	1,054.0	1,353,773.62	3,264,726.79	40.300620	-104.550864
9,008.0	89.45	269.89	6,715.9	193.5	960.0	1,353,772.70	3,264,632.80	40.300620	-104.551201
9,102.0	89.83	270.05	6,716.5	193.5	866.0	1,353,771.65	3,264,538.81	40.300620	-104.551538
9,195.0	89.93	269.98	6,716.7	193.5	773.0	1,353,770.69	3,264,445.82	40.300620	-104.551871
9,289.0	89.17	270.16	6,717.5	193.6	679.0	1,353,769.80	3,264,351.83	40.300620	-104.552208
9,383.0	89.32	269.73	6,718.7	193.5	585.0	1,353,768.71	3,264,257.85	40.300620	-104.552545
9,476.0	89.16	269.75	6,719.9	193.1	492.0	1,353,767.29	3,264,164.87	40.300619	-104.552879
9,570.0	89.03	269.62	6,721.4	192.6	398.0	1,353,765.77	3,264,070.90	40.300618	-104.553216
9,663.0	88.75	269.59	6,723.2	191.9	305.0	1,353,764.14	3,263,977.94	40.300616	-104.553549
9,757.0	88.80	269.71	6,725.2	191.4	211.1	1,353,762.57	3,263,883.98	40.300614	-104.553886
9,851.0	89.23	269.54	6,726.9	190.7	117.1	1,353,760.95	3,263,790.01	40.300613	-104.554223
9,944.0	88.99	269.95	6,728.3	190.3	24.1	1,353,759.54	3,263,697.03	40.300611	-104.554556
10,038.0	88.96	269.61	6,730.0	190.0	-69.9	1,353,758.18	3,263,603.06	40.300610	-104.554893
10,132.0	89.06	270.04	6,731.6	189.7	-163.9	1,353,756.89	3,263,509.09	40.300610	-104.555230
10,226.0	89.53	270.11	6,732.8	189.8	-257.9	1,353,756.01	3,263,415.11	40.300610	-104.555567
10,320.0	89.23	269.59	6,733.8	189.6	-351.9	1,353,754.77	3,263,321.13	40.300609	-104.555904
10,414.0	89.30	269.90	6,735.0	189.1	-445.9	1,353,753.35	3,263,227.15	40.300608	-104.556241
10,508.0	89.38	269.99	6,736.1	189.1	-539.8	1,353,752.25	3,263,133.16	40.300608	-104.556578
10,601.0	89.46	270.31	6,737.0	189.3	-632.8	1,353,751.51	3,263,040.18	40.300609	-104.556911
10,695.0	89.35	269.88	6,738.0	189.5	-726.8	1,353,750.66	3,262,946.19	40.300609	-104.557248
10,790.0	89.32	270.33	6,739.1	189.6	-821.8	1,353,749.82	3,262,851.20	40.300609	-104.557589
10,884.0	88.99	269.79	6,740.5	189.7	-915.8	1,353,748.92	3,262,757.22	40.300610	-104.557926
10,978.0	89.22	270.34	6,741.9	189.8	-1,009.8	1,353,748.02	3,262,663.24	40.300610	-104.558263
11,071.0	89.02	270.06	6,743.4	190.2	-1,102.8	1,353,747.36	3,262,570.26	40.300611	-104.558596
11,164.0	88.99	269.61	6,745.0	189.9	-1,195.8	1,353,746.10	3,262,477.29	40.300610	-104.558929
11,259.0	89.36	269.91	6,746.4	189.5	-1,290.8	1,353,744.69	3,262,382.31	40.300609	-104.559270
11,353.0	89.26	269.99	6,747.5	189.4	-1,384.8	1,353,743.60	3,262,288.33	40.300609	-104.559607
11,447.0	88.95	270.77	6,749.0	190.0	-1,478.7	1,353,743.22	3,262,194.35	40.300610	-104.559944
11,542.0	89.62	270.31	6,750.1	190.9	-1,573.7	1,353,743.11	3,262,099.36	40.300613	-104.560284

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**North Reference:**	True
Wellbore:	GEORGE 08N	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 08N 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
11,636.0	89.47	270.46	6,750.9	191.6	-1,667.7	1,353,742.74	3,262,005.37	40.300615	-104.560621
11,730.0	89.27	270.16	6,751.9	192.1	-1,761.7	1,353,742.24	3,261,911.38	40.300616	-104.560958
11,824.0	89.36	269.99	6,753.0	192.2	-1,855.7	1,353,741.36	3,261,817.40	40.300616	-104.561295
11,918.0	89.42	270.17	6,754.0	192.3	-1,949.7	1,353,740.49	3,261,723.41	40.300617	-104.561632
12,012.0	89.58	270.28	6,754.9	192.7	-2,043.7	1,353,739.86	3,261,629.42	40.300618	-104.561969
12,106.0	89.78	270.93	6,755.4	193.7	-2,137.7	1,353,739.85	3,261,535.43	40.300620	-104.562306
12,200.0	89.20	270.09	6,756.2	194.5	-2,231.7	1,353,739.68	3,261,441.43	40.300623	-104.562643
12,294.0	89.48	269.36	6,757.3	194.1	-2,325.7	1,353,738.23	3,261,347.46	40.300621	-104.562980
12,388.0	89.14	269.70	6,758.4	193.3	-2,419.7	1,353,736.46	3,261,253.48	40.300619	-104.563317
12,481.0	89.25	270.20	6,759.7	193.2	-2,512.7	1,353,735.39	3,261,160.50	40.300619	-104.563651
12,575.0	89.48	269.94	6,760.8	193.3	-2,606.7	1,353,734.50	3,261,066.52	40.300619	-104.563988
12,669.0	89.13	270.23	6,761.9	193.5	-2,700.6	1,353,733.64	3,260,972.53	40.300620	-104.564325
12,762.0	89.60	269.89	6,763.0	193.6	-2,793.6	1,353,732.74	3,260,879.55	40.300620	-104.564658
12,855.0	89.43	270.14	6,763.7	193.6	-2,886.6	1,353,731.78	3,260,786.56	40.300620	-104.564991
12,950.0	89.64	269.84	6,764.5	193.6	-2,981.6	1,353,730.75	3,260,691.57	40.300620	-104.565332
13,043.0	89.48	269.55	6,765.2	193.1	-3,074.6	1,353,729.26	3,260,598.59	40.300618	-104.565665
13,138.0	89.40	269.97	6,766.2	192.7	-3,169.6	1,353,727.85	3,260,503.61	40.300617	-104.566006
13,231.0	89.63	270.57	6,766.9	193.1	-3,262.6	1,353,727.30	3,260,410.62	40.300618	-104.566339
13,325.0	90.17	270.69	6,767.1	194.2	-3,356.6	1,353,727.33	3,260,316.63	40.300621	-104.566676
13,418.0	90.12	270.60	6,766.9	195.2	-3,449.6	1,353,727.38	3,260,223.63	40.300624	-104.567010
13,512.0	90.45	270.45	6,766.4	196.1	-3,543.6	1,353,727.24	3,260,129.64	40.300626	-104.567347
13,606.0	90.17	270.75	6,765.9	197.0	-3,637.6	1,353,727.22	3,260,035.64	40.300629	-104.567684
13,700.0	90.10	270.87	6,765.7	198.4	-3,731.6	1,353,727.55	3,259,941.65	40.300633	-104.568021
13,794.0	90.05	270.07	6,765.6	199.1	-3,825.6	1,353,727.32	3,259,847.65	40.300635	-104.568358
13,888.0	90.05	270.38	6,765.5	199.5	-3,919.6	1,353,726.69	3,259,753.66	40.300636	-104.568695
13,981.0	90.22	270.61	6,765.3	200.3	-4,012.6	1,353,726.50	3,259,660.66	40.300638	-104.569028
14,075.0	90.32	270.33	6,764.8	201.1	-4,106.6	1,353,726.27	3,259,566.67	40.300640	-104.569365
14,168.0	90.25	270.13	6,764.4	201.5	-4,199.6	1,353,725.65	3,259,473.68	40.300641	-104.569698
14,262.0	89.62	269.83	6,764.5	201.4	-4,293.6	1,353,724.61	3,259,379.69	40.300641	-104.570035
14,356.0	89.64	269.17	6,765.1	200.6	-4,387.6	1,353,722.79	3,259,285.71	40.300639	-104.570372
14,449.0	89.71	269.10	6,765.6	199.2	-4,480.6	1,353,720.40	3,259,192.75	40.300635	-104.570706
14,544.0	90.41	269.88	6,765.5	198.4	-4,575.5	1,353,718.54	3,259,097.77	40.300632	-104.571046
14,636.0	90.10	270.39	6,765.1	198.6	-4,667.5	1,353,717.78	3,259,005.78	40.300633	-104.571376
14,729.0	90.04	269.32	6,765.0	198.3	-4,760.5	1,353,716.55	3,258,912.80	40.300632	-104.571710
14,824.0	89.94	269.85	6,765.0	197.7	-4,855.5	1,353,714.85	3,258,817.82	40.300630	-104.572050
14,917.0	89.56	269.32	6,765.4	197.0	-4,948.5	1,353,713.18	3,258,724.84	40.300628	-104.572384
15,011.0	90.08	269.54	6,765.7	196.0	-5,042.5	1,353,711.25	3,258,630.86	40.300626	-104.572721
15,105.0	90.21	270.66	6,765.4	196.2	-5,136.5	1,353,710.41	3,258,536.87	40.300626	-104.573058
15,200.0	89.62	268.79	6,765.6	195.8	-5,231.5	1,353,708.94	3,258,441.89	40.300625	-104.573398
15,293.0	90.01	269.73	6,765.9	194.6	-5,324.5	1,353,706.75	3,258,348.92	40.300621	-104.573731
15,388.0	89.83	269.05	6,766.0	193.5	-5,419.5	1,353,704.72	3,258,253.95	40.300619	-104.574072
15,481.0	89.95	269.26	6,766.2	192.2	-5,512.5	1,353,702.36	3,258,160.98	40.300615	-104.574405
15,576.0	90.13	270.22	6,766.1	191.7	-5,607.5	1,353,700.92	3,258,066.00	40.300614	-104.574746
15,670.0	89.41	269.20	6,766.5	191.3	-5,701.5	1,353,699.44	3,257,972.02	40.300612	-104.575083
15,765.0	89.69	269.26	6,767.3	190.0	-5,796.5	1,353,697.15	3,257,877.05	40.300609	-104.575424
15,859.0	90.05	269.82	6,767.5	189.2	-5,890.5	1,353,695.39	3,257,783.07	40.300606	-104.575760
15,952.0	89.97	268.74	6,767.5	188.1	-5,983.5	1,353,693.23	3,257,690.11	40.300603	-104.576094
16,046.0	90.73	269.83	6,766.9	186.9	-6,077.5	1,353,691.06	3,257,596.14	40.300600	-104.576431
16,140.0	90.45	269.71	6,765.9	186.5	-6,171.5	1,353,689.68	3,257,502.16	40.300599	-104.576768
16,234.0	90.38	269.68	6,765.2	186.0	-6,265.4	1,353,688.18	3,257,408.18	40.300597	-104.577105
16,328.0	90.49	269.14	6,764.5	185.0	-6,359.4	1,353,686.21	3,257,314.20	40.300595	-104.577442
16,422.0	90.31	269.67	6,763.9	184.1	-6,453.4	1,353,684.23	3,257,220.23	40.300592	-104.577779
16,516.0	90.34	269.80	6,763.3	183.6	-6,547.4	1,353,682.79	3,257,126.25	40.300591	-104.578116
16,610.0	90.37	269.29	6,762.7	182.9	-6,641.4	1,353,681.04	3,257,032.27	40.300589	-104.578453
16,704.0	90.65	269.25	6,761.9	181.7	-6,735.4	1,353,678.84	3,256,938.31	40.300585	-104.578790

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**North Reference:**	True
Wellbore:	GEORGE 08N	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 08N 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
16,797.0	90.66	269.97	6,760.8	181.1	-6,828.4	1,353,677.22	3,256,845.33	40.300583	-104.579123
16,891.0	90.61	269.30	6,759.8	180.5	-6,922.4	1,353,675.62	3,256,751.35	40.300582	-104.579460
16,985.0	90.48	269.65	6,758.9	179.6	-7,016.4	1,353,673.76	3,256,657.38	40.300579	-104.579797
17,078.0	90.56	269.84	6,758.1	179.2	-7,109.4	1,353,672.35	3,256,564.40	40.300578	-104.580130
17,173.0	90.40	270.10	6,757.3	179.1	-7,204.4	1,353,671.29	3,256,469.41	40.300578	-104.580471
17,267.0	90.53	270.07	6,756.5	179.3	-7,298.4	1,353,670.43	3,256,375.43	40.300578	-104.580808
17,361.0	89.74	270.37	6,756.3	179.6	-7,392.4	1,353,669.79	3,256,281.43	40.300579	-104.581145
17,454.0	89.80	269.84	6,756.7	179.8	-7,485.4	1,353,668.96	3,256,188.44	40.300579	-104.581478
17,549.0	89.89	270.20	6,756.9	179.8	-7,580.4	1,353,667.98	3,256,093.45	40.300579	-104.581819
17,642.0	90.01	270.26	6,757.0	180.2	-7,673.4	1,353,667.37	3,256,000.46	40.300580	-104.582152
17,736.0	89.87	270.07	6,757.1	180.5	-7,767.4	1,353,666.64	3,255,906.46	40.300581	-104.582489
17,829.0	89.92	269.95	6,757.3	180.5	-7,860.4	1,353,665.66	3,255,813.47	40.300581	-104.582823
17,923.0	89.94	269.93	6,757.4	180.4	-7,954.4	1,353,664.56	3,255,719.49	40.300581	-104.583160
17,984.0	89.94	269.93	6,757.4	180.3	-8,015.4	1,353,663.84	3,255,658.49	40.300580	-104.583378
BHL - 1645' FNL & 205' 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 +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
7,881.0	6,711.1	182.9	2,086.8	LPL - 1660' FNL & 242' FEL
17,984.0	6,757.4	180.3	-8,015.4	BHL - 1645' FNL & 205' FWL

Checked By: _____ Approved By: _____ Date: _____

Chevron DJ Basin

SEC.21-T4N-R64W
George Pad
GEORGE 08N

GEORGE 08N
GEORGE 08N Final Surveys

Anticollision Summary Report

10 April, 2024

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference	GEORGE 08N 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** 04/10/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	17,984.0	Survey #1 (GEORGE 08N)	MWD+IFR1+SAG+MS	OWSG MWD + IFR1 + Sag + Multi-Station Corre

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
Borys Pad						
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,102.0	8,054.8	692.4	636.3	12.858	CC, ES
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,200.0	8,052.8	706.1	647.1	12.442	SF
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,300.0	8,225.5	290.9	237.8	5.692	CC, ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,400.0	8,224.7	321.7	262.1	5.584	SF
Cricket C22-30D Pad Sec.21-T4N-R64W						
Thoutt 1 - Thoutt 1 - Thoutt 1	8,320.0	6,656.3	897.5	824.4	12.672	CC, ES
Thoutt 1 - Thoutt 1 - Thoutt 1	8,400.0	6,655.5	901.6	828.1	12.657	SF
Drake Pad						
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	7,800.0	18,177.0	1,994.6	1,475.2	3.853	SF
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	7,900.0	18,114.0	1,989.3	1,472.2	3.860	ES
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	17,900.0	8,104.1	1,974.5	1,722.8	7.912	CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	14,479.5	11,588.8	1,765.3	1,564.7	8.897	CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	17,900.1	8,197.9	1,767.9	1,518.0	7.133	ES
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	17,984.0	8,147.0	1,769.6	1,518.0	7.095	SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	7,800.0	18,261.4	1,831.5	1,305.4	3.493	SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	7,900.0	18,173.8	1,825.6	1,303.5	3.508	ES
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	14,300.0	11,774.0	1,774.4	1,506.1	6.665	CC

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N 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 Final Su	218.0	218.2	104.2	95.9	17.499	CC, ES
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	17,984.0	18,298.7	1,544.1	1,197.5	4.479	SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	233.7	234.4	89.0	80.7	14.822	CC, ES
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	17,984.0	17,979.4	1,334.3	989.5	3.891	SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	263.0	264.2	72.8	64.5	11.950	CC
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	300.0	301.4	72.8	64.4	11.804	ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	17,984.0	18,154.0	1,096.7	748.4	3.164	SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	219.5	219.7	59.1	50.9	9.748	CC, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	17,984.0	17,945.0	860.4	517.6	2.521	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	224.5	224.7	44.0	35.7	7.132	CC, ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	17,984.0	18,129.0	679.1	330.3	1.954	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	245.0	245.3	28.6	20.3	4.461	CC, ES
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	17,984.0	17,947.0	463.0	122.6	1.363	Collision Monitoring, SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Fina	207.8	207.8	14.7	6.4	2.106	CC
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA Fina	17,984.0	18,087.9	231.6	-114.5	0.667	Authorization, ES, SF
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	100.0	100.0	0.1	-8.1	-0.398	CC, SF
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	16,600.0	16,603.2	7.0	-299.5	0.015	Unacceptable Path, ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	318.1	318.0	14.7	6.3	2.043	CC
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	17,984.0	17,949.5	230.8	-100.5	0.695	Authorization, ES, SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	343.4	343.2	13.9	5.3	1.843	CC
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	17,984.0	17,929.4	223.9	-105.4	0.678	Authorization, ES, SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	0.0	3.0	30.0			
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	17,984.0	17,972.8	428.9	81.8	1.237	Collision Monitoring, SF
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	454.2	454.4	41.6	32.4	5.860	CC, ES
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	17,984.0	17,993.5	651.7	306.1	1.892	SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	546.8	546.3	55.4	45.9	7.435	CC
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	600.0	598.9	55.6	45.7	7.171	ES
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	17,984.0	18,072.0	867.1	518.2	2.496	SF
GEORGE 13N - GEORGE 13N - GEORGE 13N	653.5	651.1	67.3	57.4	8.731	CC
GEORGE 13N - GEORGE 13N - GEORGE 13N	700.0	696.4	67.6	57.4	8.458	ES
GEORGE 13N - GEORGE 13N - GEORGE 13N	800.0	794.7	71.8	61.0	8.323	SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	653.5	651.1	67.3	57.4	8.731	CC
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	700.0	696.4	67.6	57.4	8.458	ES
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #3	17,984.0	17,356.1	1,088.4	752.3	3.255	SF
GEORGE 14N - GEORGE 14N - GEORGE 14N	565.0	562.1	86.3	76.9	12.059	CC
GEORGE 14N - GEORGE 14N - GEORGE 14N	600.0	596.2	86.4	76.8	11.767	ES
GEORGE 14N - GEORGE 14N - GEORGE 14N	1,200.0	1,189.0	116.3	102.5	10.050	SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	565.0	562.1	86.3	76.9	12.059	CC
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	600.0	596.2	86.4	76.8	11.767	ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #3	17,984.0	17,308.0	1,305.2	968.8	3.901	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA	765.2	756.8	101.4	90.8	12.206	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA	800.0	790.2	101.5	90.8	11.902	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA	1,100.0	1,078.6	119.2	106.3	11.135	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	765.2	756.8	101.4	90.8	12.206	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	800.0	790.2	101.5	90.8	11.902	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	17,984.0	17,408.7	1,526.1	1,190.7	4.576	SF
GEORGE 16N - GEORGE 16N - GEORGE 16N	0.0	1.0	120.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N	1,100.0	1,067.5	163.2	150.4	15.483	SF
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	0.0	1.0	120.0			
GEORGE 16N - GEORGE 16N - GEORGE 16N Plan #3	17,984.0	17,433.1	1,745.0	1,409.2	5.227	SF
GEORGE 17N - George 17N - George 17N	0.0	1.0	134.8			
GEORGE 17N - George 17N - George 17N	1,000.0	963.5	176.0	164.0	18.075	SF
GEORGE 17N - George 17N - GEORGE 17N Plan #3 4-	0.0	1.0	134.8			

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

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N 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 17N - George 17N - GEORGE 17N Plan #3 4-	17,984.0	17,387.5	1,962.5	1,626.9	5.883	SF
GEORGE 18N - GEORGE 18N - GEORGE 18N	0.0	0.0	150.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N	800.0	761.2	190.1	179.4	22.837	SF
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	0.0	0.0	150.0			
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #3	800.0	761.2	190.1	179.4	22.837	SF
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA	0.0	0.0	165.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA	1,200.0	1,117.9	273.0	259.6	24.736	SF
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	0.0	0.0	165.0			
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	1,200.0	1,117.9	273.0	259.6	24.736	SF
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	0.0	1.0	180.0			
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #2	1,400.0	1,291.2	338.9	323.9	26.259	SF
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	1,087.0	1,085.4	192.4	179.5	17.770	CC, ES
GEORGE 21N - GEORGE 21N - George 21N Plan #2 4-	9,856.5	6,730.0	320.1	222.3	3.324	SF
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	0.0	1.0	210.0			
GEORGE 22N - GEORGE 22N - GEORGE 22N Plan #2	1,200.0	1,100.0	336.3	322.7	29.959	SF
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	0.0	1.0	224.8			
GEORGE 23N - GEORGE 23N - GEORGE 23N Plan #2	4,900.0	4,326.8	1,976.3	1,903.2	27.930	SF
Long C20-18 Pad Sec.20-T4N-R64W						
Long C20-21D - Wellbore #1 - Wellbore #1	15,450.4	6,998.3	881.8	685.7	4.541	CC, ES
Long C20-21D - Wellbore #1 - Wellbore #1	15,500.0	6,997.8	883.1	686.5	4.534	SF
Long C20-22D - Wellbore #1 - Wellbore #1	14,233.7	7,120.8	830.5	655.1	4.787	CC, ES, SF
SEC.15-T4N-R64W (Existing)						
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,600.0	8,140.6	86.5	23.6	1.390	Collision Monitoring, CC,
SEC.19-T4N-R64W (Exist)						
CPC-OSTER 19-01 - CPC-OSTER 19-01 - CPC-OSTER	17,984.0	6,841.7	1,321.3	1,128.5	6.929	CC, ES, SF
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	17,984.0	6,814.4	762.8	270.3	1.551	CC, ES, SF
VCTOR C19-9 - VICTOR C19-9 - VICTOR C19-9	17,984.0	6,838.7	1,763.5	1,545.5	8.171	CC, ES, SF

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N 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
SEC.20-T4N-R64W (Exist)						
Agricultural Products Inc 20-4I4 (Vert) - Agricultural Prodı	17,522.2	6,801.9	911.1	378.8	1.715	CC, ES, SF
API 20-6I4 (Vert) - API 20-6I4 - API 20-6I4	16,215.6	6,788.4	352.5	141.2	1.676	CC, ES, SF
BALBOA 20-3 - BALBOA 20-3 - BALBOA 20-3	14,695.1	6,759.5	1,661.3	1,481.3	9.342	CC, ES
BALBOA 20-3 - BALBOA 20-3 - BALBOA 20-3	14,900.0	6,759.5	1,673.5	1,490.8	9.270	SF
BALBOA C20-9X - BALBOA C20-9X - BALBOA C20-9X	13,423.0	6,714.6	1,484.4	1,329.8	9.742	CC, ES
BALBOA C20-9X - BALBOA C20-9X - BALBOA C20-9X	13,600.0	6,716.0	1,494.8	1,337.7	9.646	SF
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-2	16,346.0	6,778.9	1,505.4	1,292.0	7.124	CC
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-2	16,400.0	6,778.7	1,506.2	1,291.9	7.098	ES, SF
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,555.1	6,792.5	1,661.4	1,422.3	7.011	CC
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,600.0	6,792.2	1,662.1	1,422.2	6.989	ES
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,700.0	6,791.6	1,668.0	1,426.8	6.975	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (ST	17,700.0	10,175.0	458.6	326.1	3.507	CC, ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (ST	17,600.0	10,333.2	475.3	362.1	4.272	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (ST	17,700.0	10,343.6	462.3	353.5	4.323	CC, ES
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,285.2	6,728.5	488.1	315.9	2.861	CC
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,300.0	6,728.7	488.2	315.7	2.857	ES, SF
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,382.6	6,771.0	532.3	338.1	2.762	CC, ES
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,400.0	6,771.1	532.7	338.1	2.759	SF
LONG C20-21D - LONG C20-21D - LONG C20-21D	15,453.0	6,998.3	878.1	681.9	4.520	CC, ES
LONG C20-21D - LONG C20-21D - LONG C20-21D	15,500.0	6,997.8	879.3	682.6	4.513	SF
LONG C20-22D - LONG C20-22D - LONG C20-22D	14,236.7	7,120.8	830.5	655.1	4.786	CC, ES, SF
PREBISH 1 (Vert) - PREBISH 1 - PREBISH 1	16,207.2	6,767.4	977.2	457.8	1.885	CC, ES, SF
PREBISH 2 - PREBISH 2 - PREBISH 2	17,443.4	6,806.1	268.3	31.8	1.136	Collision Monitoring, CC,
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	16,784.0	6,783.4	407.3	185.8	1.848	CC, ES
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	16,800.0	6,782.9	407.6	185.9	1.848	SF
TODD 1 - TODD 1 - TODD 1	13,559.0	6,705.6	1,047.1	889.2	6.721	CC, ES
TODD 1 - TODD 1 - TODD 1	13,600.0	6,705.3	1,047.9	889.4	6.697	SF
TODD 2 (Vert) - TODD 2 - TODD 2	14,906.7	6,760.3	95.2	-412.8	0.184	Unacceptable Path, CC, E
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	14,702.3	6,757.0	744.7	238.3	1.473	Collision Monitoring, CC,
TODD 20-8 (Vert) - TODD 20-8 - TODD 20-8	13,646.6	6,755.8	424.3	-75.1	0.849	Shut in, CC, ES, SF
SEC.21-T4N-R64W (Exist)						
CHENOWETH 1 (Vert) - CHENOWETH 1 - CHENOWET	10,956.2	6,728.7	688.7	204.8	1.425	Collision Monitoring, CC,
CHENOWETH 21-2 (Vert) - CHENOWETH 21-2 - CHEN	9,592.9	6,690.9	944.6	467.4	1.984	CC, ES
CHENOWETH 21-2 (Vert) - CHENOWETH 21-2 - CHEN	9,600.0	6,691.0	944.7	467.4	1.984	SF
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWET	11,979.4	6,700.0	938.4	810.9	7.488	CC
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWET	12,000.0	6,700.0	938.6	810.8	7.468	ES
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWET	12,100.0	6,700.0	945.5	816.7	7.463	SF
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HAN	10,292.7	6,709.6	239.9	140.9	2.459	CC
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HAN	10,300.0	6,709.5	239.9	140.8	2.457	ES, SF
HANSCOME C21-19 (Vert) - HANSCOME C21-19 - HAN	11,623.4	6,738.8	303.4	-183.9	0.621	Authorization, CC, ES, SF
HANSCOME C21-20 (Vert) - HANSCOME C21-20 - HAN	11,600.0	6,753.6	1,028.4	540.2	2.112	CC, ES, SF
HANSCOME C21-21 (Vert) - HANSCOME C21-21 - HAN	206.2	203.2	867.4	849.6	56.456	CC
HANSCOME C21-21 (Vert) - HANSCOME C21-21 - HAN	10,264.9	6,730.2	1,006.1	524.5	2.095	ES, SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HAN	13,100.0	9,745.3	48.6	-49.6	0.482	Unacceptable Path, CC, E
LEONARD 2 - LEONARD 2 - LEONARD 2	12,198.0	6,728.2	411.3	280.2	3.179	CC, ES
LEONARD 2 - LEONARD 2 - LEONARD 2	12,200.0	6,728.2	411.3	280.3	3.179	SF
LEONARD 21-6I4 - LEONARD 21-6I4 - LEONARD 21-6I	10,961.2	6,721.0	320.8	212.0	2.993	CC, ES, SF
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,756.4	1,658.6	72.4	-46.7	0.600	Authorization, CC
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	9,556.0	6,694.2	239.6	-237.6	0.500	Unacceptable Path, ES, S
TRAVELERS 21-8I4 - TRAVELERS 21-8I4 - TRAVELERS	8,679.8	6,656.2	62.6	-13.9	0.812	Shut in, CC, ES, SF

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N Final Surveys	**Offset TVD Reference:**	Offset Datum

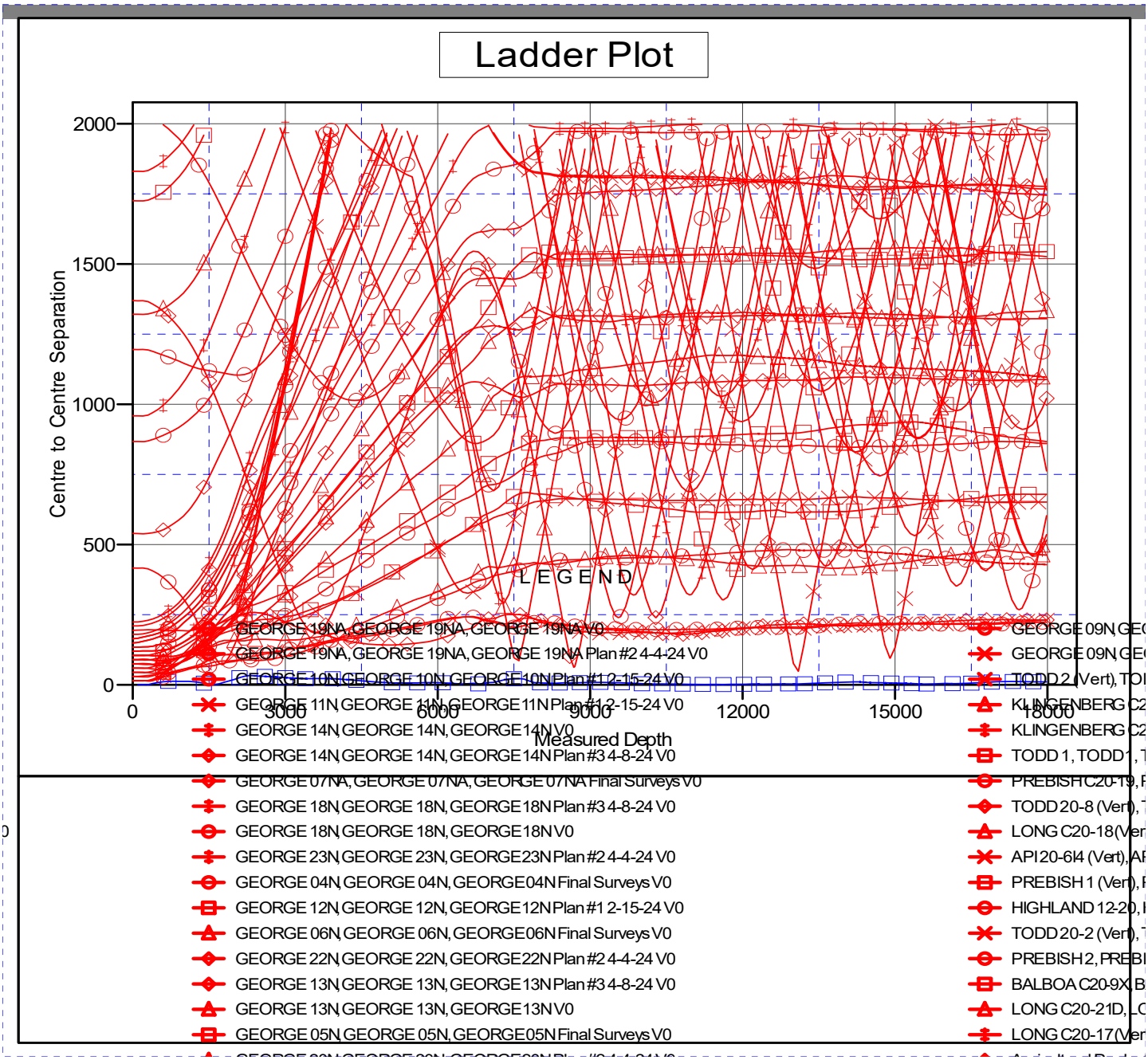
Summary

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
SEC.22-T4N-R64W (Exist)						
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,751.3	5,952.7	860.2	799.5	14.744	CC, ES
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,800.0	6,000.9	861.1	800.4	14.724	SF
LYMAN 1 - LYMAN 1 - LYMAN 1	6,583.8	5,765.1	327.1	265.8	5.519	CC
LYMAN 1 - LYMAN 1 - LYMAN 1	6,600.0	5,780.6	327.2	265.7	5.500	ES
LYMAN 1 - LYMAN 1 - LYMAN 1	6,700.0	5,880.8	331.5	269.0	5.481	SF

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Well @ 4742.0ft (T41 - RKB 25')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: GEORGE 08N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.61°



Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 08N
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 08N	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 08N	**Database:**	US_EDM
Reference Design:	GEORGE 08N Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Well @ 4742.0ft (T41 - RKB 25')	Coordinates are relative to: GEORGE 08N
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°