

Chevron DJ Basin

GEORGE 02N

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	1353635.65	3263614.62	40.300274	-104.554856
T41 - RKB 25' WELL @ 4742.0ft (T41 - RKB 25')					



George Pad
GEORGE 02N
GEORGE 02N Final Surveys
9:28, March 27 2024



Azimuths to True North
Magnetic North: 7.66°

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

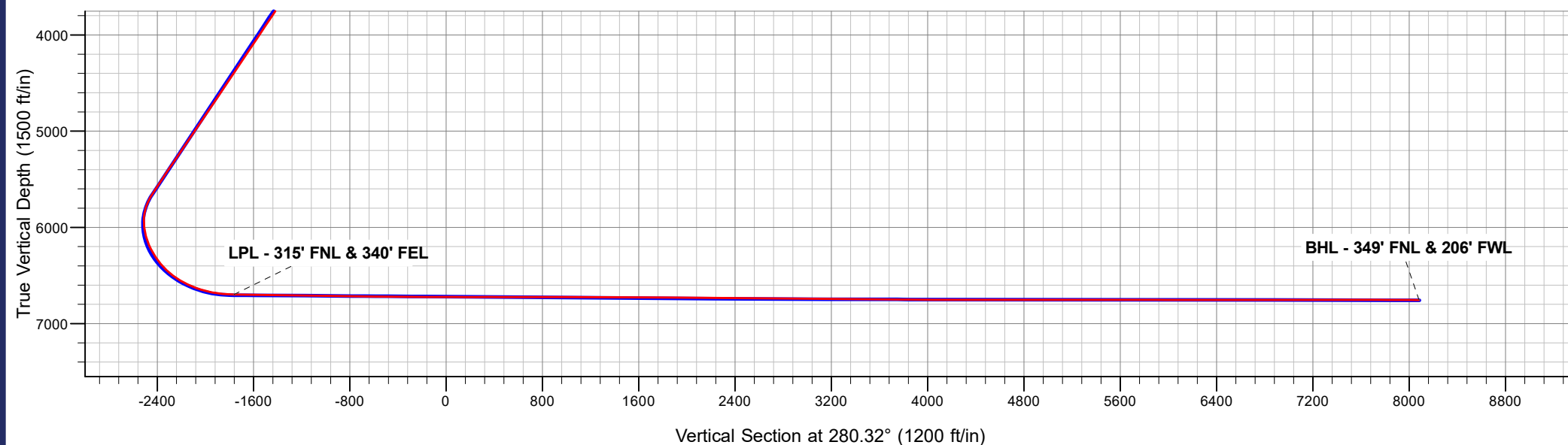
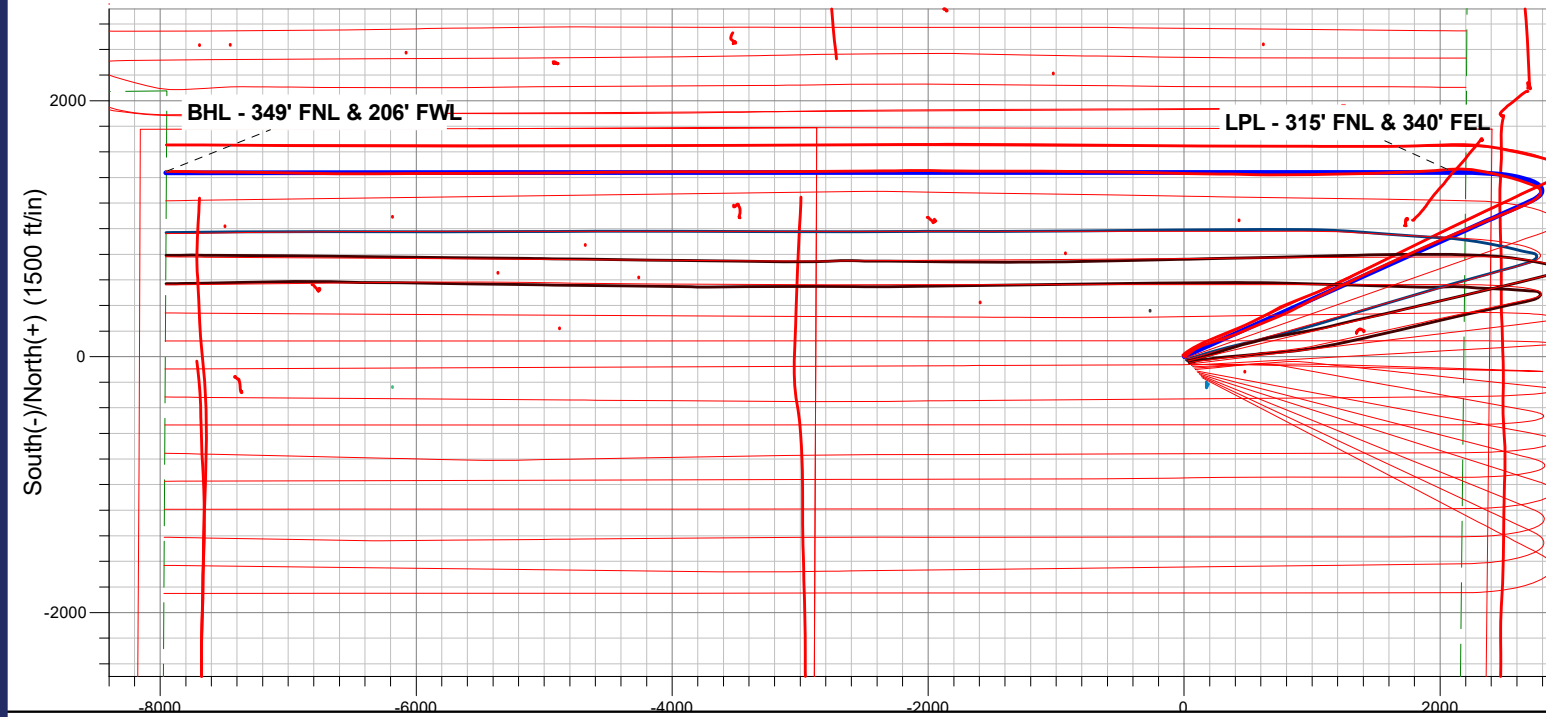
ANNOTATIONS

MD	TVD	Annotation
7980.0	6697.5	LPL - 315' FNL & 340' FEL
17992.0	6755.1	BHL - 349' FNL & 206' FWL

FINAL SURVEY

Projected Bottom Hole Location

17992' MD / 6755.1' TVD
89.67° INC / 270.75° AZM
349' FNL / 206' FWL



Chevron DJ Basin

SEC.21-T4N-R64W

George Pad

GEORGE 02N

GEORGE 02N

Design: GEORGE 02N Final Surveys

Survey Report - Geographic

27 March, 2024

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	North Reference:	True
Wellbore:	GEORGE 02N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 02N 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 02N					
Well Position	+N/-S	0.0 ft	Northing:	1,353,635.66 usfl	Latitude:	40.300274
	+E/-W	0.0 ft	Easting:	3,263,614.62 usfl	Longitude:	-104.554856
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,717.0 ft

Wellbore	GEORGE 02N				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	02/14/2024	7.66	66.54	51,621.04405734

Design	GEORGE 02N 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	280.32	

Survey Program	Date	03/27/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
208.0	17,992.0	Survey #1 (GEORGE 02N)	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	1,353,635.66	3,263,614.62	40.300274	-104.554856
208.0	0.53	191.00	208.0	-0.9	-0.2	1,353,634.71	3,263,614.45	40.300271	-104.554857
300.0	1.32	82.72	300.0	-1.2	0.8	1,353,634.44	3,263,615.42	40.300270	-104.554853
394.0	2.73	65.49	393.9	-0.2	3.9	1,353,635.53	3,263,618.52	40.300273	-104.554842
488.0	5.80	53.71	487.7	3.6	9.8	1,353,639.34	3,263,624.35	40.300284	-104.554821
582.0	8.00	50.55	581.0	10.5	18.6	1,353,646.40	3,263,633.15	40.300303	-104.554789
677.0	10.29	54.95	674.8	19.6	30.7	1,353,655.60	3,263,645.11	40.300328	-104.554746
771.0	11.52	52.48	767.1	30.2	45.0	1,353,666.29	3,263,659.31	40.300357	-104.554695
865.0	13.63	53.54	858.8	42.5	61.4	1,353,678.77	3,263,675.54	40.300390	-104.554636
958.0	15.56	56.70	948.8	55.8	80.6	1,353,692.33	3,263,694.63	40.300427	-104.554567
1,052.0	16.71	62.33	1,039.1	69.0	103.1	1,353,705.77	3,263,717.00	40.300463	-104.554487
1,146.0	18.82	66.90	1,128.6	81.2	129.0	1,353,718.27	3,263,742.78	40.300497	-104.554394

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	North Reference:	True
Wellbore:	GEORGE 02N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 02N 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	20.14	70.06	1,216.3	92.6	157.9	1,353,729.92	3,263,771.51	40.300528	-104.554290
1,334.0	22.95	73.23	1,304.6	103.5	191.0	1,353,741.20	3,263,804.51	40.300558	-104.554171
1,428.0	24.01	72.35	1,390.9	114.6	226.8	1,353,752.66	3,263,840.16	40.300588	-104.554043
1,522.0	26.38	72.35	1,475.9	126.7	264.9	1,353,765.20	3,263,878.15	40.300622	-104.553907
1,616.0	26.73	70.94	1,560.0	140.0	304.8	1,353,778.86	3,263,917.89	40.300658	-104.553764
1,710.0	28.31	72.35	1,643.4	153.6	346.0	1,353,792.96	3,263,958.96	40.300695	-104.553616
1,804.0	32.36	69.36	1,724.5	169.3	390.8	1,353,809.07	3,264,003.60	40.300738	-104.553455
1,897.0	34.47	66.72	1,802.1	188.4	438.3	1,353,828.75	3,264,050.86	40.300791	-104.553285
1,962.0	33.68	67.25	1,855.9	202.7	471.8	1,353,843.35	3,264,084.22	40.300830	-104.553165
2,058.0	32.80	66.58	1,936.2	223.3	520.2	1,353,864.49	3,264,132.41	40.300887	-104.552991
2,151.0	31.29	67.77	2,015.1	242.5	565.7	1,353,884.12	3,264,177.67	40.300939	-104.552828
2,245.0	31.35	67.52	2,095.4	261.0	610.9	1,353,903.19	3,264,222.66	40.300990	-104.552666
2,339.0	32.05	68.01	2,175.3	279.7	656.6	1,353,922.36	3,264,268.18	40.301042	-104.552502
2,432.0	32.49	67.35	2,254.0	298.6	702.5	1,353,941.71	3,264,313.90	40.301093	-104.552338
2,526.0	32.57	67.26	2,333.2	318.1	749.2	1,353,961.71	3,264,360.32	40.301147	-104.552170
2,620.0	33.09	62.93	2,412.2	339.6	795.4	1,353,983.66	3,264,406.28	40.301206	-104.552005
2,715.0	32.97	64.54	2,491.9	362.5	841.8	1,354,007.06	3,264,452.46	40.301269	-104.551838
2,807.0	32.74	62.36	2,569.2	384.8	886.4	1,354,029.84	3,264,496.87	40.301330	-104.551678
2,902.0	32.65	63.93	2,649.1	408.0	932.2	1,354,053.51	3,264,542.39	40.301394	-104.551514
2,996.0	33.01	61.63	2,728.1	431.3	977.5	1,354,077.30	3,264,587.45	40.301457	-104.551352
3,090.0	32.86	63.94	2,807.0	454.6	1,023.0	1,354,101.15	3,264,632.63	40.301522	-104.551189
3,184.0	32.36	63.18	2,886.2	477.2	1,068.3	1,354,124.19	3,264,677.75	40.301584	-104.551026
3,278.0	32.82	64.19	2,965.4	499.6	1,113.7	1,354,147.11	3,264,722.89	40.301645	-104.550863
3,372.0	33.08	64.62	3,044.3	521.7	1,159.8	1,354,169.68	3,264,768.76	40.301706	-104.550698
3,466.0	32.88	64.74	3,123.1	543.6	1,206.1	1,354,192.06	3,264,814.77	40.301766	-104.550532
3,560.0	33.05	64.35	3,202.0	565.6	1,252.2	1,354,214.53	3,264,860.72	40.301826	-104.550367
3,654.0	32.73	64.49	3,280.9	587.6	1,298.3	1,354,237.06	3,264,906.52	40.301887	-104.550202
3,748.0	32.87	64.82	3,359.9	609.4	1,344.3	1,354,259.35	3,264,952.30	40.301946	-104.550037
3,842.0	32.89	64.10	3,438.9	631.4	1,390.4	1,354,281.84	3,264,998.10	40.302007	-104.549872
3,936.0	32.72	65.23	3,517.9	653.2	1,436.4	1,354,304.12	3,265,043.89	40.302067	-104.549707
4,030.0	32.99	63.46	3,596.8	675.3	1,482.3	1,354,326.68	3,265,089.62	40.302127	-104.549542
4,124.0	33.03	64.93	3,675.7	697.6	1,528.4	1,354,349.46	3,265,135.48	40.302188	-104.549376
4,217.0	33.15	65.51	3,753.6	718.9	1,574.5	1,354,371.23	3,265,181.34	40.302247	-104.549211
4,311.0	33.13	64.89	3,832.3	740.4	1,621.2	1,354,393.28	3,265,227.76	40.302306	-104.549044
4,406.0	32.82	66.32	3,912.0	761.8	1,668.3	1,354,415.14	3,265,274.61	40.302365	-104.548875
4,500.0	32.97	65.83	3,990.9	782.5	1,714.9	1,354,436.34	3,265,321.05	40.302421	-104.548708
4,594.0	32.88	65.45	4,069.8	803.6	1,761.5	1,354,457.91	3,265,367.36	40.302479	-104.548541
4,689.0	32.90	67.35	4,149.6	824.2	1,808.8	1,354,479.06	3,265,414.41	40.302536	-104.548372
4,782.0	33.12	66.02	4,227.6	844.3	1,855.3	1,354,499.60	3,265,460.71	40.302591	-104.548205
4,876.0	32.61	65.54	4,306.5	865.2	1,901.8	1,354,521.02	3,265,507.01	40.302648	-104.548038
4,969.0	32.80	66.30	4,384.8	885.7	1,947.7	1,354,542.01	3,265,552.66	40.302705	-104.547873
5,063.0	32.93	65.64	4,463.8	906.5	1,994.3	1,354,563.28	3,265,599.02	40.302762	-104.547706
5,157.0	32.94	68.14	4,542.7	926.5	2,041.3	1,354,583.83	3,265,645.80	40.302817	-104.547538
5,252.0	33.00	66.26	4,622.4	946.5	2,088.9	1,354,604.37	3,265,693.23	40.302872	-104.547367
5,346.0	32.86	67.33	4,701.3	966.7	2,135.9	1,354,625.00	3,265,739.98	40.302927	-104.547199
5,440.0	32.86	67.56	4,780.2	986.2	2,183.0	1,354,645.07	3,265,786.87	40.302981	-104.547030
5,534.0	33.16	67.34	4,859.0	1,005.9	2,230.3	1,354,665.21	3,265,833.95	40.303035	-104.546860
5,629.0	32.17	67.14	4,939.0	1,025.7	2,277.6	1,354,685.54	3,265,881.01	40.303089	-104.546691
5,724.0	32.93	68.03	5,019.1	1,045.2	2,324.8	1,354,705.53	3,265,928.05	40.303142	-104.546521
5,817.0	32.66	67.97	5,097.3	1,064.1	2,371.5	1,354,724.90	3,265,974.55	40.303194	-104.546354
5,910.0	32.51	67.28	5,175.6	1,083.1	2,417.8	1,354,744.45	3,266,020.66	40.303247	-104.546188
6,005.0	32.81	68.13	5,255.6	1,102.6	2,465.3	1,354,764.40	3,266,067.88	40.303300	-104.546018
6,099.0	32.83	67.98	5,334.6	1,121.6	2,512.5	1,354,783.95	3,266,114.93	40.303352	-104.545848
6,193.0	32.83	67.69	5,413.6	1,140.9	2,559.7	1,354,803.67	3,266,161.91	40.303405	-104.545679
6,288.0	32.66	65.69	5,493.5	1,161.2	2,606.9	1,354,824.50	3,266,208.88	40.303461	-104.545510

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	North Reference:	True
Wellbore:	GEORGE 02N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 02N 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
6,381.0	32.82	65.46	5,571.7	1,182.0	2,652.7	1,354,845.79	3,266,254.45	40.303518	-104.545346
6,475.0	32.31	65.22	5,650.9	1,203.1	2,698.7	1,354,867.39	3,266,300.20	40.303576	-104.545181
6,569.0	27.01	56.03	5,732.6	1,225.6	2,739.2	1,354,890.30	3,266,340.52	40.303637	-104.545035
6,663.0	20.56	42.40	5,818.7	1,249.7	2,768.1	1,354,914.76	3,266,369.14	40.303704	-104.544932
6,757.0	14.88	20.86	5,908.3	1,273.2	2,783.6	1,354,938.44	3,266,384.34	40.303768	-104.544876
6,851.0	14.39	346.99	5,999.4	1,295.9	2,785.2	1,354,961.15	3,266,385.77	40.303831	-104.544870
6,945.0	14.48	313.61	6,090.6	1,315.5	2,774.1	1,354,980.55	3,266,374.41	40.303884	-104.544910
7,039.0	18.89	291.68	6,180.7	1,329.2	2,751.4	1,354,994.06	3,266,351.58	40.303922	-104.544992
7,133.0	26.07	289.12	6,267.5	1,341.6	2,717.7	1,355,006.10	3,266,317.75	40.303956	-104.545113
7,228.0	30.16	290.95	6,351.3	1,357.0	2,675.7	1,355,021.03	3,266,275.56	40.303998	-104.545263
7,321.0	38.80	288.34	6,427.9	1,374.5	2,626.1	1,355,038.05	3,266,225.81	40.304046	-104.545441
7,415.0	46.98	285.26	6,496.7	1,392.9	2,564.9	1,355,055.74	3,266,164.40	40.304097	-104.545660
7,509.0	53.86	283.78	6,556.5	1,411.0	2,494.8	1,355,073.10	3,266,094.12	40.304147	-104.545912
7,603.0	61.73	282.48	6,606.6	1,429.0	2,417.4	1,355,090.29	3,266,016.53	40.304196	-104.546189
7,697.0	68.12	280.81	6,646.4	1,446.2	2,334.0	1,355,106.54	3,265,933.01	40.304243	-104.546488
7,791.0	76.35	277.27	6,675.1	1,460.1	2,245.7	1,355,119.59	3,265,844.54	40.304281	-104.546805
7,885.0	83.28	271.11	6,691.7	1,466.8	2,153.5	1,355,125.30	3,265,752.31	40.304300	-104.547135
7,980.0	89.72	263.97	6,697.5	1,462.8	2,058.9	1,355,120.21	3,265,657.74	40.304289	-104.547474
LPL - 315' FNL & 340' FEL									
8,073.0	88.93	263.92	6,698.6	1,453.0	1,966.4	1,355,109.42	3,265,565.38	40.304262	-104.547806
8,167.0	88.65	267.02	6,700.6	1,445.5	1,872.8	1,355,101.00	3,265,471.80	40.304241	-104.548142
8,354.0	88.92	268.71	6,704.6	1,438.6	1,685.9	1,355,092.04	3,265,285.07	40.304222	-104.548812
8,542.0	89.20	268.32	6,707.6	1,433.7	1,498.0	1,355,085.17	3,265,097.23	40.304209	-104.549485
8,637.0	89.28	268.18	6,708.9	1,430.8	1,403.1	1,355,081.26	3,265,002.32	40.304201	-104.549826
8,731.0	89.21	268.07	6,710.1	1,427.7	1,309.1	1,355,077.18	3,264,908.42	40.304193	-104.550163
8,826.0	89.00	268.72	6,711.6	1,425.1	1,214.2	1,355,073.51	3,264,813.51	40.304185	-104.550503
8,918.0	89.18	269.58	6,713.1	1,423.7	1,122.2	1,355,071.16	3,264,721.56	40.304182	-104.550833
9,012.0	88.91	269.43	6,714.7	1,422.9	1,028.2	1,355,069.35	3,264,627.59	40.304179	-104.551170
9,106.0	89.12	269.56	6,716.3	1,422.1	934.3	1,355,067.52	3,264,533.63	40.304177	-104.551507
9,199.0	88.89	269.18	6,717.9	1,421.0	841.3	1,355,065.51	3,264,440.67	40.304174	-104.551840
9,293.0	88.64	270.26	6,719.9	1,420.6	747.3	1,355,064.04	3,264,346.71	40.304173	-104.552177
9,387.0	89.52	269.65	6,721.4	1,420.5	653.3	1,355,062.97	3,264,252.73	40.304173	-104.552514
9,480.0	89.48	271.84	6,722.2	1,421.7	560.3	1,355,063.19	3,264,159.74	40.304176	-104.552847
9,574.0	90.08	270.77	6,722.6	1,423.8	466.4	1,355,064.33	3,264,065.76	40.304182	-104.553184
9,667.0	89.71	271.32	6,722.8	1,425.5	373.4	1,355,065.03	3,263,972.76	40.304187	-104.553518
9,762.0	90.26	270.08	6,722.8	1,426.7	278.4	1,355,065.18	3,263,877.77	40.304190	-104.553858
9,855.0	89.45	271.00	6,723.0	1,427.6	185.4	1,355,065.06	3,263,784.78	40.304192	-104.554192
9,948.0	89.72	270.57	6,723.7	1,428.9	92.4	1,355,065.35	3,263,691.78	40.304196	-104.554525
10,043.0	90.48	270.95	6,723.5	1,430.1	-2.6	1,355,065.59	3,263,596.79	40.304199	-104.554866
10,137.0	89.82	271.74	6,723.3	1,432.3	-96.6	1,355,066.80	3,263,502.80	40.304205	-104.555202
10,230.0	89.69	271.80	6,723.7	1,435.2	-189.5	1,355,068.68	3,263,409.83	40.304213	-104.555536
10,324.0	89.73	272.03	6,724.2	1,438.3	-283.5	1,355,070.82	3,263,315.86	40.304222	-104.555873
10,418.0	90.23	270.35	6,724.2	1,440.3	-377.4	1,355,071.77	3,263,221.87	40.304227	-104.556210
10,512.0	90.07	270.50	6,723.9	1,441.0	-471.4	1,355,071.47	3,263,127.87	40.304229	-104.556547
10,605.0	89.60	270.98	6,724.2	1,442.2	-564.4	1,355,071.68	3,263,034.88	40.304232	-104.556880
10,699.0	89.73	270.94	6,724.8	1,443.8	-658.4	1,355,072.25	3,262,940.89	40.304237	-104.557217
10,794.0	90.00	270.37	6,725.0	1,444.8	-753.4	1,355,072.32	3,262,845.89	40.304240	-104.557557
10,888.0	89.72	271.38	6,725.2	1,446.3	-847.4	1,355,072.76	3,262,751.90	40.304244	-104.557894
10,982.0	89.97	269.89	6,725.5	1,447.3	-941.4	1,355,072.80	3,262,657.91	40.304247	-104.558231
11,075.0	89.67	270.51	6,725.8	1,447.6	-1,034.4	1,355,072.13	3,262,564.91	40.304247	-104.558565
11,169.0	89.92	270.42	6,726.1	1,448.4	-1,128.4	1,355,071.89	3,262,470.92	40.304249	-104.558902
11,263.0	90.23	269.91	6,726.0	1,448.7	-1,222.4	1,355,071.16	3,262,376.93	40.304250	-104.559239
11,357.0	89.62	269.83	6,726.1	1,448.5	-1,316.4	1,355,069.94	3,262,282.94	40.304250	-104.559576
11,451.0	89.63	270.25	6,726.7	1,448.5	-1,410.4	1,355,069.01	3,262,188.95	40.304250	-104.559913
11,546.0	89.44	270.40	6,727.5	1,449.1	-1,505.4	1,355,068.53	3,262,093.96	40.304251	-104.560253

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	North Reference:	True
Wellbore:	GEORGE 02N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 02N 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
11,640.0	89.72	270.12	6,728.2	1,449.5	-1,599.4	1,355,067.96	3,261,999.97	40.304252	-104.560590
11,734.0	88.71	270.55	6,729.5	1,450.0	-1,693.4	1,355,067.51	3,261,905.98	40.304254	-104.560927
11,828.0	89.11	270.25	6,731.2	1,450.7	-1,787.3	1,355,067.16	3,261,812.01	40.304256	-104.561264
11,922.0	89.19	270.76	6,732.6	1,451.5	-1,881.3	1,355,066.99	3,261,718.02	40.304258	-104.561601
12,017.0	89.38	271.12	6,733.8	1,453.1	-1,976.3	1,355,067.53	3,261,623.03	40.304262	-104.561942
12,110.0	89.75	269.56	6,734.5	1,453.6	-2,069.3	1,355,067.09	3,261,530.05	40.304264	-104.562275
12,205.0	89.28	269.42	6,735.3	1,452.8	-2,164.3	1,355,065.24	3,261,435.07	40.304261	-104.562616
12,299.0	89.30	269.54	6,736.5	1,451.9	-2,258.3	1,355,063.38	3,261,341.10	40.304259	-104.562953
12,392.0	89.75	269.66	6,737.3	1,451.3	-2,351.3	1,355,061.74	3,261,248.12	40.304257	-104.563286
12,485.0	89.69	269.66	6,737.7	1,450.7	-2,444.3	1,355,060.20	3,261,155.14	40.304256	-104.563620
12,579.0	90.12	268.85	6,737.9	1,449.5	-2,538.3	1,355,057.97	3,261,061.17	40.304252	-104.563957
12,673.0	89.15	269.89	6,738.5	1,448.5	-2,632.3	1,355,055.94	3,260,967.20	40.304249	-104.564294
12,766.0	89.45	269.32	6,739.6	1,447.8	-2,725.2	1,355,054.31	3,260,874.23	40.304248	-104.564627
12,860.0	88.95	270.27	6,740.9	1,447.5	-2,819.2	1,355,052.97	3,260,780.25	40.304247	-104.564964
12,954.0	89.45	269.22	6,742.2	1,447.1	-2,913.2	1,355,051.55	3,260,686.28	40.304245	-104.565301
13,048.0	89.50	269.30	6,743.1	1,445.9	-3,007.2	1,355,049.33	3,260,592.31	40.304242	-104.565638
13,142.0	89.27	269.93	6,744.1	1,445.2	-3,101.2	1,355,047.70	3,260,498.34	40.304240	-104.565975
13,235.0	89.39	269.43	6,745.2	1,444.7	-3,194.2	1,355,046.19	3,260,405.36	40.304239	-104.566308
13,329.0	89.62	269.73	6,746.0	1,444.0	-3,288.2	1,355,044.50	3,260,311.38	40.304237	-104.566645
13,422.0	89.07	270.02	6,747.1	1,443.8	-3,381.2	1,355,043.31	3,260,218.40	40.304236	-104.566979
13,516.0	89.37	269.95	6,748.4	1,443.8	-3,475.2	1,355,042.28	3,260,124.42	40.304236	-104.567316
13,610.0	89.21	270.21	6,749.5	1,443.9	-3,569.2	1,355,041.41	3,260,030.44	40.304237	-104.567653
13,704.0	89.12	270.36	6,750.9	1,444.4	-3,663.1	1,355,040.87	3,259,936.45	40.304238	-104.567990
13,798.0	89.63	269.98	6,751.9	1,444.7	-3,757.1	1,355,040.15	3,259,842.47	40.304239	-104.568327
13,892.0	89.96	269.80	6,752.3	1,444.5	-3,851.1	1,355,038.97	3,259,748.48	40.304238	-104.568664
13,985.0	89.65	270.33	6,752.6	1,444.6	-3,944.1	1,355,038.08	3,259,655.49	40.304238	-104.568997
14,079.0	89.68	270.43	6,753.1	1,445.2	-4,038.1	1,355,037.70	3,259,561.49	40.304240	-104.569334
14,173.0	90.39	268.97	6,753.1	1,444.7	-4,132.1	1,355,036.21	3,259,467.51	40.304239	-104.569671
14,266.0	89.82	268.99	6,752.9	1,443.1	-4,225.1	1,355,033.56	3,259,374.56	40.304234	-104.570005
14,360.0	90.05	269.29	6,753.0	1,441.7	-4,319.1	1,355,031.15	3,259,280.59	40.304230	-104.570342
14,454.0	90.02	270.22	6,752.9	1,441.3	-4,413.1	1,355,029.75	3,259,186.61	40.304229	-104.570679
14,548.0	90.47	268.40	6,752.5	1,440.1	-4,507.1	1,355,027.62	3,259,092.64	40.304226	-104.571016
14,640.0	89.92	270.56	6,752.2	1,439.3	-4,599.1	1,355,025.80	3,259,000.67	40.304223	-104.571345
14,733.0	90.28	268.63	6,752.1	1,438.6	-4,692.1	1,355,024.15	3,258,907.69	40.304222	-104.571679
14,828.0	89.86	269.24	6,751.9	1,436.9	-4,787.1	1,355,021.37	3,258,812.74	40.304217	-104.572019
14,921.0	89.75	269.32	6,752.3	1,435.7	-4,880.1	1,355,019.21	3,258,719.77	40.304213	-104.572353
15,015.0	89.73	269.28	6,752.7	1,434.6	-4,974.0	1,355,017.06	3,258,625.80	40.304210	-104.572690
15,110.0	89.98	269.90	6,752.9	1,433.9	-5,069.0	1,355,015.37	3,258,530.82	40.304208	-104.573030
15,204.0	89.93	269.38	6,753.0	1,433.3	-5,163.0	1,355,013.78	3,258,436.84	40.304207	-104.573367
15,297.0	89.68	269.66	6,753.3	1,432.5	-5,256.0	1,355,012.01	3,258,343.86	40.304204	-104.573701
15,392.0	90.03	269.98	6,753.6	1,432.2	-5,351.0	1,355,010.70	3,258,248.87	40.304204	-104.574041
15,486.0	89.94	269.10	6,753.6	1,431.5	-5,445.0	1,355,008.94	3,258,154.89	40.304201	-104.574378
15,580.0	90.20	269.87	6,753.5	1,430.6	-5,539.0	1,355,007.10	3,258,060.92	40.304199	-104.574715
15,674.0	90.02	270.13	6,753.3	1,430.6	-5,633.0	1,355,006.09	3,257,966.93	40.304199	-104.575052
15,769.0	89.99	270.00	6,753.3	1,430.7	-5,728.0	1,355,005.19	3,257,871.93	40.304199	-104.575393
15,863.0	89.72	269.89	6,753.5	1,430.6	-5,822.0	1,355,004.10	3,257,777.95	40.304199	-104.575730
15,957.0	90.08	270.32	6,753.7	1,430.8	-5,916.0	1,355,003.27	3,257,683.95	40.304199	-104.576067
16,050.0	89.72	269.34	6,753.8	1,430.5	-6,009.0	1,355,002.00	3,257,590.97	40.304198	-104.576400
16,144.0	89.80	269.94	6,754.2	1,429.9	-6,103.0	1,355,000.41	3,257,496.99	40.304197	-104.576737
16,238.0	89.95	269.76	6,754.4	1,429.7	-6,197.0	1,354,999.16	3,257,403.00	40.304196	-104.577074
16,333.0	89.82	269.89	6,754.6	1,429.4	-6,292.0	1,354,997.86	3,257,308.01	40.304195	-104.577415
16,426.0	90.30	269.81	6,754.5	1,429.2	-6,385.0	1,354,996.62	3,257,215.03	40.304194	-104.577748
16,520.0	90.01	270.03	6,754.3	1,429.0	-6,479.0	1,354,995.49	3,257,121.04	40.304194	-104.578085
16,614.0	90.08	270.10	6,754.2	1,429.1	-6,573.0	1,354,994.59	3,257,027.05	40.304194	-104.578423
16,709.0	89.98	270.41	6,754.2	1,429.6	-6,668.0	1,354,994.00	3,256,932.05	40.304195	-104.578763

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	North Reference:	True
Wellbore:	GEORGE 02N	Survey Calculation Method:	Minimum Curvature
Design:	GEORGE 02N 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
16,802.0	89.92	270.28	6,754.2	1,430.1	-6,761.0	1,354,993.57	3,256,839.06	40.304197	-104.579097
16,891.0	89.83	271.17	6,754.4	1,431.2	-6,850.0	1,354,993.75	3,256,750.06	40.304200	-104.579416
16,986.0	90.26	271.83	6,754.4	1,433.7	-6,945.0	1,354,995.23	3,256,655.08	40.304207	-104.579756
17,079.0	90.69	271.42	6,753.6	1,436.4	-7,037.9	1,354,996.87	3,256,562.10	40.304214	-104.580089
17,174.0	90.69	270.69	6,752.4	1,438.1	-7,132.9	1,354,997.61	3,256,467.12	40.304218	-104.580430
17,268.0	90.53	270.46	6,751.4	1,439.1	-7,226.9	1,354,997.55	3,256,373.13	40.304221	-104.580767
17,361.0	89.44	270.88	6,751.5	1,440.2	-7,319.9	1,354,997.65	3,256,280.13	40.304224	-104.581100
17,455.0	89.62	270.64	6,752.2	1,441.4	-7,413.9	1,354,997.89	3,256,186.14	40.304227	-104.581437
17,549.0	89.75	270.53	6,752.8	1,442.4	-7,507.9	1,354,997.85	3,256,092.14	40.304230	-104.581774
17,643.0	89.67	270.61	6,753.2	1,443.3	-7,601.9	1,354,997.78	3,255,998.15	40.304232	-104.582111
17,736.0	89.64	270.50	6,753.8	1,444.2	-7,694.9	1,354,997.69	3,255,905.16	40.304235	-104.582445
17,829.0	89.80	270.73	6,754.2	1,445.2	-7,787.9	1,354,997.70	3,255,812.16	40.304237	-104.582778
17,924.0	89.67	270.75	6,754.7	1,446.4	-7,882.8	1,354,997.91	3,255,717.17	40.304241	-104.583119
17,992.0	89.67	270.75	6,755.1	1,447.3	-7,950.8	1,354,998.08	3,255,649.17	40.304243	-104.583362
BHL - 349' FNL & 206' FWL									

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

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,980.0	6,697.5	1,462.8	2,058.9	LPL - 315' FNL & 340' FEL
17,992.0	6,755.1	1,447.3	-7,950.8	BHL - 349' FNL & 206' FWL

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

SEC.21-T4N-R64W

George Pad

GEORGE 02N

GEORGE 02N

GEORGE 02N Final Surveys

Anticollision Summary Report

27 March, 2024

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 02N	Database:	US_EDM
Reference Design:	GEORGE 02N Final Surveys	Offset TVD Reference:	Offset Datum

Reference	GEORGE 02N Final Surveys		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 ft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	3.50 Sigma	Casing Method:	N/A Unknown

Survey Program	Date	03/27/2024		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	17,992.0	Survey #1 (GEORGE 02N)	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	7,200.5	9,309.1	812.5	746.3	12.695	CC, ES
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,300.0	9,327.4	824.1	755.3	12.377	SF
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,356.6	9,505.4	394.4	331.1	6.437	CC, ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,400.0	9,513.9	398.2	332.3	6.232	SF
Collins 4N64W18T Pad Sec.18-T4N-R64W						
Collins 18T-201 - Collins 18T-201 Wellbore #1 - Collins 1	17,992.0	6,588.8	1,659.3	1,571.4	19.385	CC, ES, SF
Collins 18T-221 - Collins 18T-221 Wellbore #1 - Collins 1	17,992.0	6,572.7	1,105.9	988.0	9.561	CC, ES, SF
Collins 18T-221 - Collins 18T-221 Wellbore #2 - Collins 1	17,992.0	6,577.8	1,188.2	1,061.6	9.549	CC, ES, SF
Collins 18T-321 - Collins 18T-321 Wellbore #1 - Collins 1	17,992.0	6,695.0	1,291.5	1,197.0	14.008	CC, ES, SF
Collins 18T-341 - Collins 18T-341 Wellbore #1 - Collins 1	17,992.0	6,671.0	1,875.6	1,793.8	23.596	CC, ES, SF
Cricket C22-30D Pad Sec.21-T4N-R64W						
Cricket C22-30D - Cricket C22-30D - Cricket C22-30D	7,700.0	6,699.9	245.9	174.6	3.538	SF
Cricket C22-30D - Cricket C22-30D - Cricket C22-30D	7,743.1	6,714.4	241.9	173.2	3.613	CC, ES
Thoutt 1 - Thoutt 1 - Thoutt 1	4,737.4	4,138.0	244.0	198.5	5.610	CC, ES, SF

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	Local Co-ordinate Reference:	Well GEORGE 02N
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 02N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 02N	Database:	US_EDM
Reference Design:	GEORGE 02N Final Surveys	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Drake Pad						
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	7,800.0	18,621.7	1,940.7	1,387.7	3.520	SF
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	7,900.0	18,525.2	1,932.6	1,384.1	3.535	ES
DRAKE 17N - Drake 17N - Drake 17N Final Surveys	7,920.2	18,506.1	1,932.3	1,384.8	3.540	CC
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	7,800.0	18,747.0	1,747.7	1,193.0	3.160	SF
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	7,900.0	18,668.4	1,740.7	1,189.4	3.167	ES
DRAKE 18N - Drake 18N - Drake 18N Final Surveys	7,907.5	18,660.9	1,740.6	1,189.7	3.169	CC
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	7,800.0	18,782.0	1,530.9	979.4	2.784	SF
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	7,900.0	18,713.6	1,523.8	975.0	2.784	ES
DRAKE 19NA - Drake 19NA - Drake 19NA Final Surveys	7,904.6	18,709.1	1,523.8	975.1	2.785	CC
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	7,800.0	18,837.0	1,309.1	755.8	2.372	SF
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	7,900.0	18,749.7	1,301.0	751.7	2.374	ES
DRAKE 20N - Drake 20N - Drake 20N Final Surveys	7,915.5	18,736.7	1,300.9	752.2	2.377	CC
DRAKE 21N - Drake 21N - Drake 21N Final Surveys	7,900.0	18,857.0	1,082.4	533.2	1.975	CC, ES, SF
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	7,900.0	18,822.8	865.8	317.9	1.583	ES, SF
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	7,900.6	18,822.2	865.8	317.9	1.583	CC
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	7,900.0	18,117.3	644.2	131.1	1.257	Collision Monitoring, ES, SF
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	7,908.1	18,109.3	644.1	131.4	1.257	Collision Monitoring, CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	17,920.3	8,183.3	435.1	189.0	1.775	CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	17,992.0	8,117.5	435.9	188.4	1.769	ES, SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	7,900.0	18,192.1	475.0	-47.9	0.908	Shut in, ES, SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	17,992.0	8,102.8	442.7	192.9	1.780	CC
Existing Wells Sec.17-T4N-R64W						
ANGELA C17-25 (Vert) - ANGELA C17-25 - ANGELA C1	16,946.2	6,757.5	1,770.3	1,247.4	3.397	CC, ES
ANGELA C17-25 (Vert) - ANGELA C17-25 - ANGELA C1	17,000.0	6,757.3	1,770.8	1,247.7	3.396	SF
OCOMA C17-13 - OCOMA C17-13 - OCOMA C17-13	17,744.8	6,762.8	992.8	462.4	1.876	CC, ES, SF
OCOMA C17-15 - OCOMA C17-15 - OCOMA C17-15	14,955.9	6,700.0	855.4	674.1	4.768	CC, ES
OCOMA C17-15 - OCOMA C17-15 - OCOMA C17-15	15,000.0	6,700.0	856.6	674.5	4.756	SF
OCOMA C17-16 - OCOMA C17-16 - OCOMA C17-16	13,580.5	6,648.7	1,065.7	911.7	7.018	CC
OCOMA C17-16 - OCOMA C17-16 - OCOMA C17-16	13,600.0	6,648.6	1,065.9	911.6	7.005	ES, SF
UPRR 36 PAN AM B #1 (Vert) - UPRR 36 PAN AM B #1	17,504.8	6,764.6	998.7	470.4	1.894	CC, ES, SF
UPRR OCOMA C17-14 (Vert) - UPRR OCOMA C17-14	16,114.2	6,743.1	948.3	433.4	1.846	CC, ES, SF
Existing Wells Sec.18-T4N-R64W						
Riter C18-16 - Riter C18-16 - Riter C18-16	17,992.0	6,712.9	1,181.2	979.0	5.902	CC, ES, SF
Existing Wells Sec.7-T4N-R64W						
Riter 'C' 18-16 (Exist.) - Wellbore #1 - Wellbore #1	17,992.0	6,780.1	1,127.9	815.4	3.629	CC, ES, SF

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 02N
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 02N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 02N	Database:	US_EDM
Reference Design:	GEORGE 02N 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
George Pad						
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	0.0	0.0	15.0			
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	17,992.0	18,299.9	225.2	-93.0	0.705	Authorization, ES, SF
GEORGE 01N - GEORGE 01N - GEORGE 01N Plan #1	0.0	0.0	15.0			
GEORGE 01N - GEORGE 01N - GEORGE 01N Plan #1	17,992.0	18,287.3	226.4	-91.9	0.709	Authorization, ES, SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Plan #1	100.0	100.0	0.2	-8.0	-0.385	CC, SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Plan #1	17,992.0	18,006.3	10.6	-329.4	0.024	Unacceptable Path, ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	0.0	0.0	15.0			
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	16,800.0	16,958.0	202.9	-102.4	0.662	Authorization, SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	16,900.0	17,057.0	205.8	-102.6	0.665	Authorization, ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Plar	400.0	399.8	12.9	4.1	1.629	CC
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Plar	16,800.0	16,916.9	200.1	-103.2	0.657	Authorization, SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Plar	17,992.0	18,108.4	232.6	-107.3	0.682	Authorization, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	360.6	360.4	29.1	20.5	4.346	CC
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	400.0	399.7	29.2	20.5	4.273	ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	17,992.0	17,936.9	485.4	146.0	1.433	Collision Monitoring, SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Plan #1	400.0	399.6	28.0	19.1	3.972	CC, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Plan #1	17,992.0	17,968.8	492.4	152.3	1.451	Collision Monitoring, SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	475.0	474.9	42.5	33.5	6.119	CC, ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	17,992.0	18,124.2	655.3	309.0	1.899	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Plan #1	448.4	448.2	42.0	32.9	5.955	CC, ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Plan #1	17,992.0	18,108.4	667.8	321.7	1.936	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	0.0	0.0	59.8			
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	17,992.0	17,931.1	881.7	539.4	2.587	SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Plan #1	462.0	461.8	56.7	47.6	8.092	CC, ES
GEORGE 06N - GEORGE 06N - GEORGE 06N Plan #1	17,992.0	17,961.2	890.1	547.3	2.608	SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	471.6	471.4	71.8	62.6	10.275	CC
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	500.0	499.6	71.9	62.6	10.093	ES
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	17,992.0	18,063.1	1,106.7	760.6	3.213	SF
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	239.1	238.3	89.3	80.9	14.608	CC, ES
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	17,992.0	17,981.9	1,325.0	980.0	3.860	SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	439.6	438.6	102.0	92.9	15.070	CC, ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	17,992.0	17,918.9	1,546.1	1,203.0	4.531	SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	111.5	114.1	119.8	111.8	20.371	CC, ES
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	17,992.0	17,977.0	1,763.2	1,418.6	5.143	SF
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	499.6	500.2	131.5	122.2	18.745	CC, ES
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	17,992.0	17,988.3	1,983.6	1,639.4	5.798	SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	506.4	507.0	146.5	137.1	20.818	CC, ES
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	900.0	889.5	165.2	153.5	17.523	SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	513.5	514.1	161.4	152.0	22.864	CC, ES
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	900.0	884.6	183.1	171.4	19.521	SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	505.3	505.6	176.4	167.1	25.173	CC, ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	1,400.0	1,346.1	286.2	270.7	21.698	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	434.1	433.0	192.0	183.0	28.803	CC, ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	1,400.0	1,327.2	321.8	306.3	24.606	SF
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	342.8	341.1	208.3	199.6	33.032	CC, ES
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	1,400.0	1,306.4	361.3	346.0	27.895	SF
GEORGE 17N - George 17N - GEORGE 17N Plan #1 2-	222.3	221.7	224.2	215.8	37.511	CC, ES
GEORGE 17N - George 17N - GEORGE 17N Plan #1 2-	1,500.0	1,369.8	430.8	414.8	31.522	SF
GEORGE 21N - GEORGE 21N - George 21N Plan #1 2-	100.0	100.0	284.8	276.8	49.008	CC, ES
GEORGE 21N - GEORGE 21N - George 21N Plan #1 2-	10,100.0	6,726.2	1,644.5	1,545.8	17.028	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 02N
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 02N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 02N	Database:	US_EDM
Reference Design:	GEORGE 02N 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
Hen Offsets 2						
MARK ALTER C16-79HN - MARK ALTER C16-79HN - M	12,700.0	11,765.0	879.7	739.6	6.373	SF
MARK ALTER C16-79HN - MARK ALTER C16-79HN - M	12,751.8	11,765.0	878.2	738.5	6.383	CC, ES
Hen Offsets 3						
STOCKLEY C15-79HN - STOCKLEY C15-79HN - STOC	7,051.7	6,021.5	786.0	719.8	12.296	CC, ES, SF
NEI C18-32D Pad Sec.18-T4N-R64W						
NEI C17-33D - NEI C17-33D - NEI C17-33D	17,992.0	7,764.5	1,727.6	1,479.7	7.029	CC, ES, SF
Oster C19-27D - Oster C19-27D - Oster C19-27D	17,992.0	7,697.8	1,479.3	1,365.6	13.278	CC, ES, SF
SEC.15-T4N-R64W (Existing)						
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,600.0	6,791.3	64.5	21.7	1.539	CC, ES, SF
SEC.16-T4N-R64W (Exist)						
RYANN STATE C 21-27 - RYANN STATE C 21-27 - RYAI	8,800.0	6,654.0	442.9	366.2	5.934	SF
RYANN STATE C 21-27 - RYANN STATE C 21-27 - RYAI	8,824.7	6,654.3	442.2	365.7	5.939	CC, ES
STATE 16-14I4 (Vert) - STATE 16-14I4 - STATE 16-14I4	11,066.9	6,684.7	769.8	289.2	1.605	CC, ES, SF
STATE 16-15I4 (Vert) - STATE 16-15I4 - STATE 16-15I4	9,430.4	6,667.8	1,022.6	547.8	2.160	CC, ES, SF
STATE A 14-16X - STATE A 14-16X - STATE A 14-16X	11,908.4	6,668.1	1,250.7	1,130.6	10.614	CC, ES
STATE A 14-16X - STATE A 14-16X - STATE A 14-16X	12,000.0	6,669.2	1,253.7	1,132.6	10.547	SF
SEC.19-T4N-R64W (Exist)						
CPC-OSTER 19-01 - CPC-OSTER 19-01 - CPC-OSTER	17,992.0	6,822.3	914.4	812.8	9.193	CC, ES, SF
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	17,992.0	6,812.1	1,799.4	1,270.9	3.416	CC, ES, SF
SEC.20-T4N-R64W (Exist)						
Agricultural Products Inc 20-4I4 (Vert) - Agricultural Prodi	17,529.8	6,797.7	418.7	-111.7	0.788	Shut in, CC, ES, SF
API 20-6I4 (Vert) - API 20-6I4 - API 20-6I4	16,230.8	6,777.5	1,663.5	1,455.7	8.089	CC, ES
API 20-6I4 (Vert) - API 20-6I4 - API 20-6I4	16,400.0	6,777.7	1,672.0	1,461.7	8.029	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,742.2	10,175.0	1,542.3	1,308.5	6.655	CC, ES
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,900.0	10,175.0	1,550.6	1,314.5	6.628	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,700.0	11,451.0	506.4	356.8	3.424	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,735.0	11,451.0	505.2	356.1	3.428	CC, ES
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,313.0	6,717.0	820.4	651.5	4.912	CC, ES, SF
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,404.7	6,758.6	773.6	582.7	4.092	CC, ES, SF
PREBISH 1 (Vert) - PREBISH 1 - PREBISH 1	16,226.7	6,756.4	333.8	-183.6	0.644	Authorization, CC, ES, SF
PREBISH 2 - PREBISH 2 - PREBISH 2	17,436.9	6,806.3	1,597.0	1,364.6	6.933	CC
PREBISH 2 - PREBISH 2 - PREBISH 2	17,500.0	6,806.0	1,598.2	1,364.4	6.899	ES
PREBISH 2 - PREBISH 2 - PREBISH 2	17,600.0	6,805.4	1,605.0	1,369.9	6.888	SF
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	16,800.0	6,799.8	909.0	691.0	4.206	CC
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	16,800.1	6,799.8	909.0	691.0	4.206	ES, SF
TODD 1 - TODD 1 - TODD 1	13,559.9	6,717.1	267.7	113.4	1.747	CC, ES, SF
TODD 2 (Vert) - TODD 2 - TODD 2	14,935.4	6,747.3	1,210.6	704.5	2.399	CC, ES, SF
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	14,727.0	6,744.1	563.0	58.5	1.117	Collision Monitoring, CC,

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 02N
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 02N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	3.50 sigma
Reference Wellbore	GEORGE 02N	Database:	US_EDM
Reference Design:	GEORGE 02N 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.21-T4N-R64W (Exist)						
CHENOWETH 1 (Vert) - CHENOWETH 1 - CHENOWETH	10,962.8	6,712.5	636.4	154.3	1.322	Collision Monitoring, CC,
CHENOWETH 21-2 (Vert) - CHENOWETH 21-2 - CHENOWETH	9,606.2	6,691.6	354.7	-122.1	0.743	Authorization, CC, ES, SF
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWETH	11,981.6	6,695.4	389.1	265.2	3.185	CC
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWETH	12,000.0	6,696.0	389.5	265.2	3.175	ES, SF
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HANSCOME	100.0	76.0	449.6	441.4	77.713	CC, ES
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HANSCOME	10,500.0	6,700.0	1,095.9	996.8	11.320	SF
HANSCOME C21-19 (Vert) - HANSCOME C21-19 - HANSCOME	11,629.1	6,716.2	1,022.0	537.1	2.113	CC, ES, SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HANSCOME	13,000.0	10,869.0	202.7	55.3	1.382	Collision Monitoring, SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HANSCOME	13,035.3	10,869.0	199.6	54.6	1.383	Collision Monitoring, CC,
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,768.7	1,667.3	294.7	175.1	2.494	CC
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,800.0	1,694.1	295.1	173.5	2.457	ES
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	1,900.0	1,777.6	305.2	177.8	2.423	SF
TRAVELERS 21-814 - TRAVELERS 21-814 - TRAVELERS	3,509.5	3,105.3	374.0	341.1	12.210	CC, ES
TRAVELERS 21-814 - TRAVELERS 21-814 - TRAVELERS	3,600.0	3,179.7	377.5	343.8	11.968	SF
SEC.22-T4N-R64W (Exist)						
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,668.7	5,739.5	497.8	439.0	8.791	CC, ES
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,800.0	5,867.6	508.5	447.8	8.693	SF
SH C17-24D Pad Sec.17-T4N-R64W						
SH C17-24D - SH C17-24D - SH C17-24D	15,634.9	6,972.0	1,715.6	1,519.7	8.853	CC
SH C17-24D - SH C17-24D - SH C17-24D	15,700.0	6,972.3	1,716.7	1,519.6	8.807	ES
SH C17-24D - SH C17-24D - SH C17-24D	15,800.0	6,972.9	1,723.3	1,525.0	8.784	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
Project: SEC.21-T4N-R64W
Reference Site: George Pad
Site Error: 0.0 ft
Reference Well: GEORGE 02N
Well Error: 0.0 ft
Reference Wellbore: GEORGE 02N
Reference Design: GEORGE 02N Final Surveys

Local Co-ordinate Reference: Well GEORGE 02N
TVD Reference: WELL @ 4742.0ft (T41 - RKB 25')
MD Reference: WELL @ 4742.0ft (T41 - RKB 25')
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 3.50 sigma
Database: US_EDM
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 4742.0ft (T41 - RKB 25')

Offset Depths are relative to Offset Datum

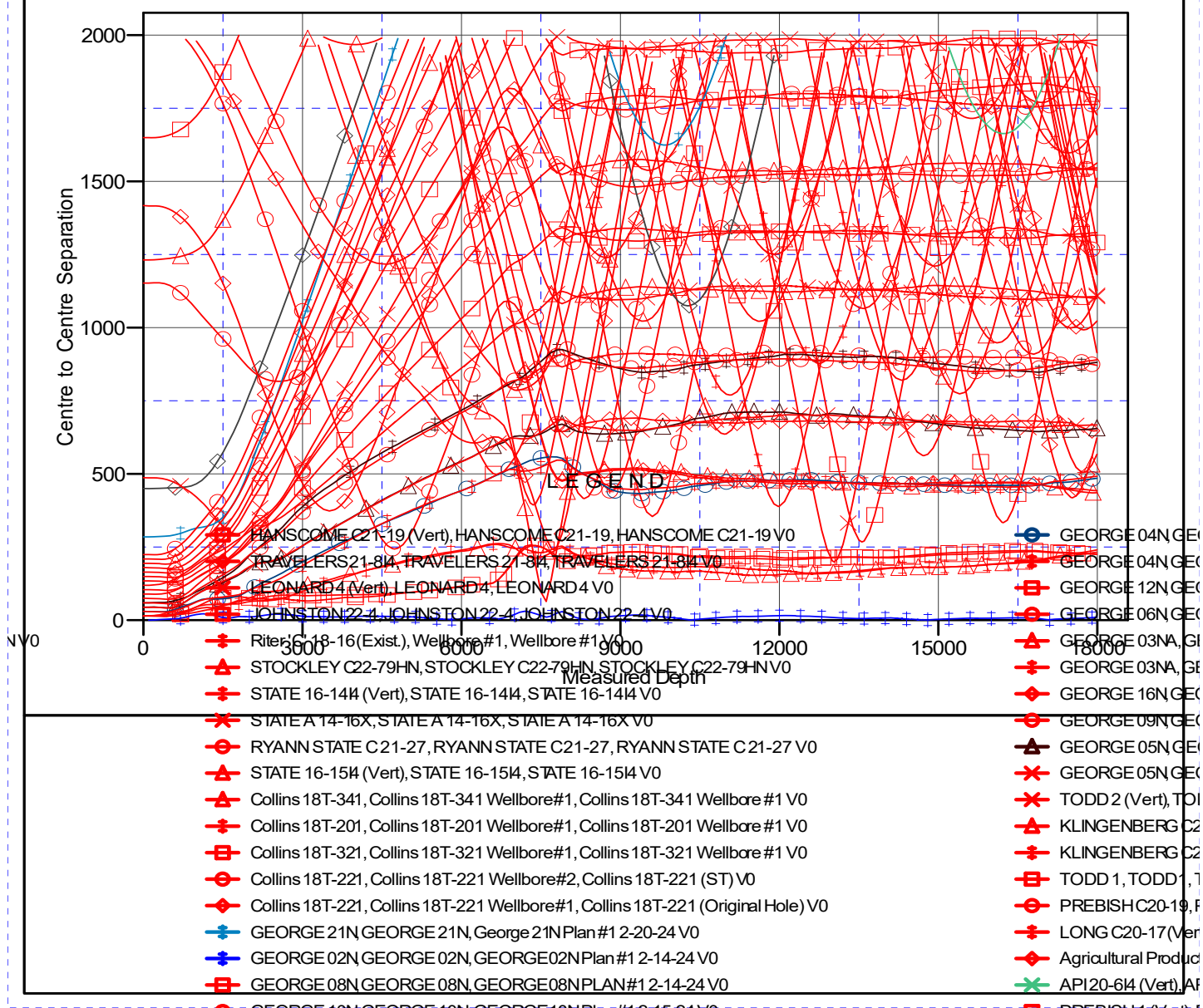
Central Meridian is -105.500000

Coordinates are relative to: GEORGE 02N

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.61°

Ladder Plot



Ensign

Anticollision Summary Report

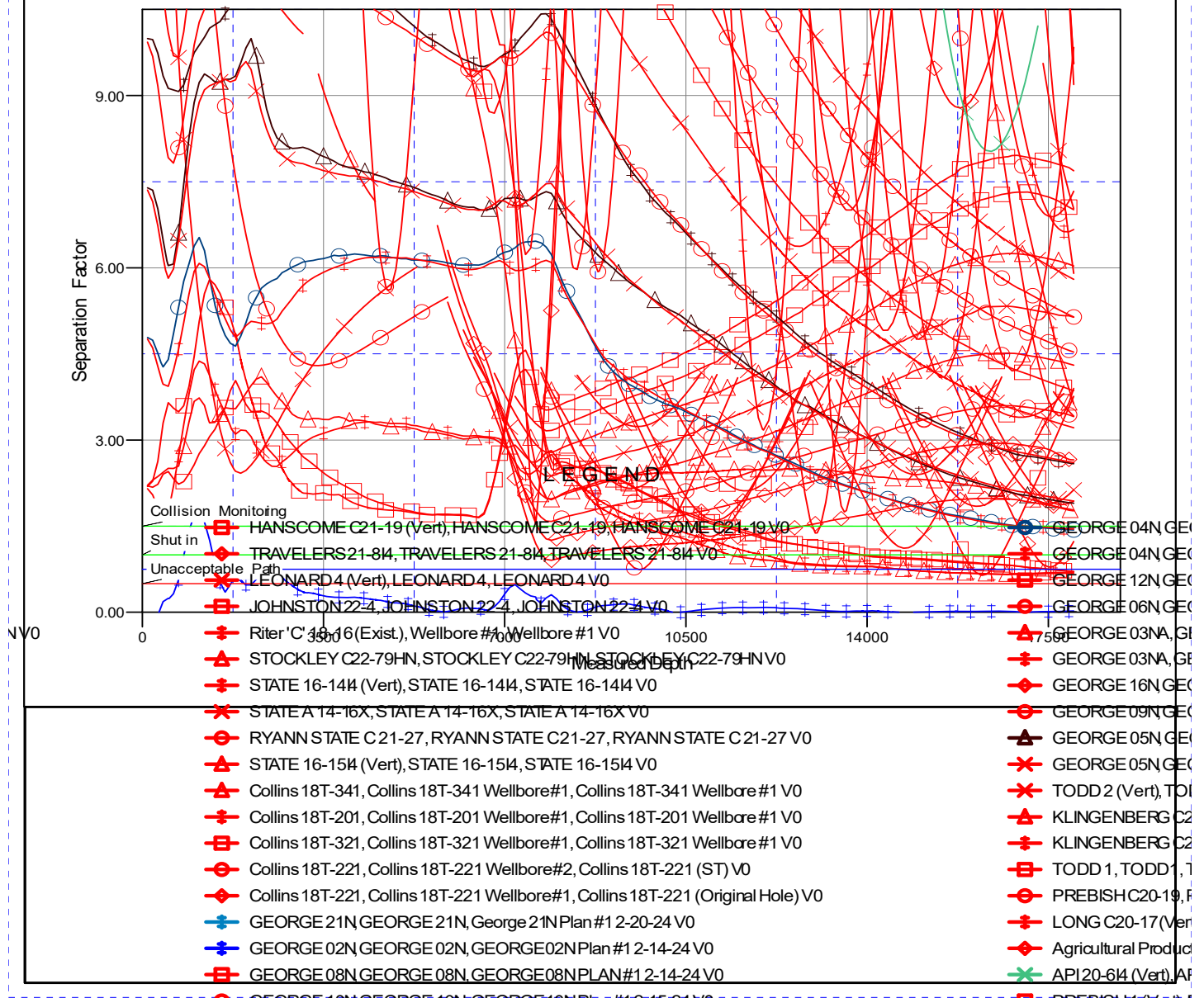
Company: Chevron DJ Basin
Project: SEC.21-T4N-R64W
Reference Site: George Pad
Site Error: 0.0 ft
Reference Well: GEORGE 02N
Well Error: 0.0 ft
Reference Wellbore: GEORGE 02N
Reference Design: GEORGE 02N Final Surveys

Local Co-ordinate Reference: Well GEORGE 02N
TVD Reference: WELL @ 4742.0ft (T41 - RKB 25')
MD Reference: WELL @ 4742.0ft (T41 - RKB 25')
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 3.50 sigma
Database: US_EDM
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 02N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.61°

Separation Factor Plot



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