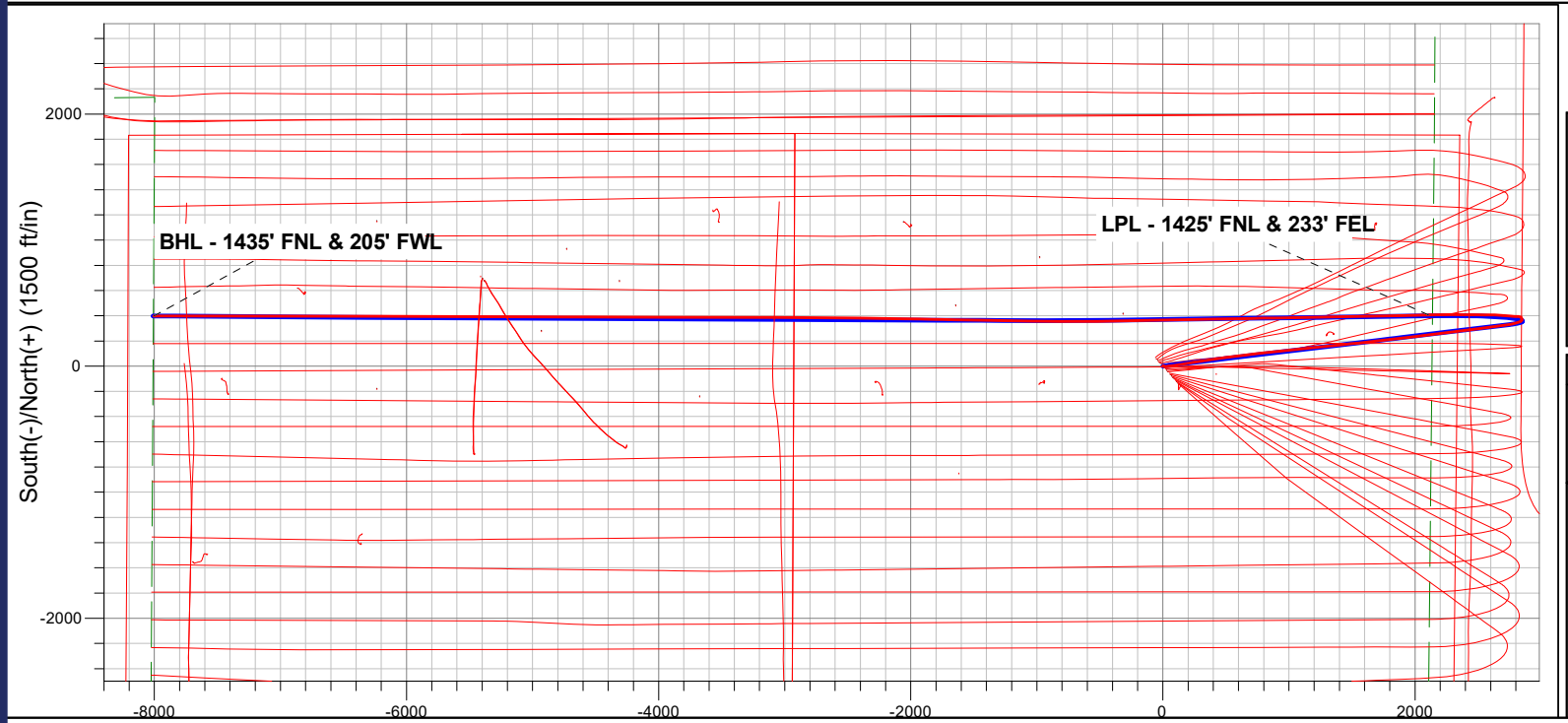
Chevron DJ Basin

GEORGE 07NA
George Pad
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4717.0

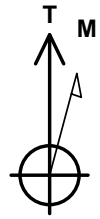
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1353580.05	3263664.95	40.300120	-104.554678

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

ENSIGN Directional



George Pad
GEORGE 07NA
GEORGE 07NA Final Surveys
13:43, April 01 2024



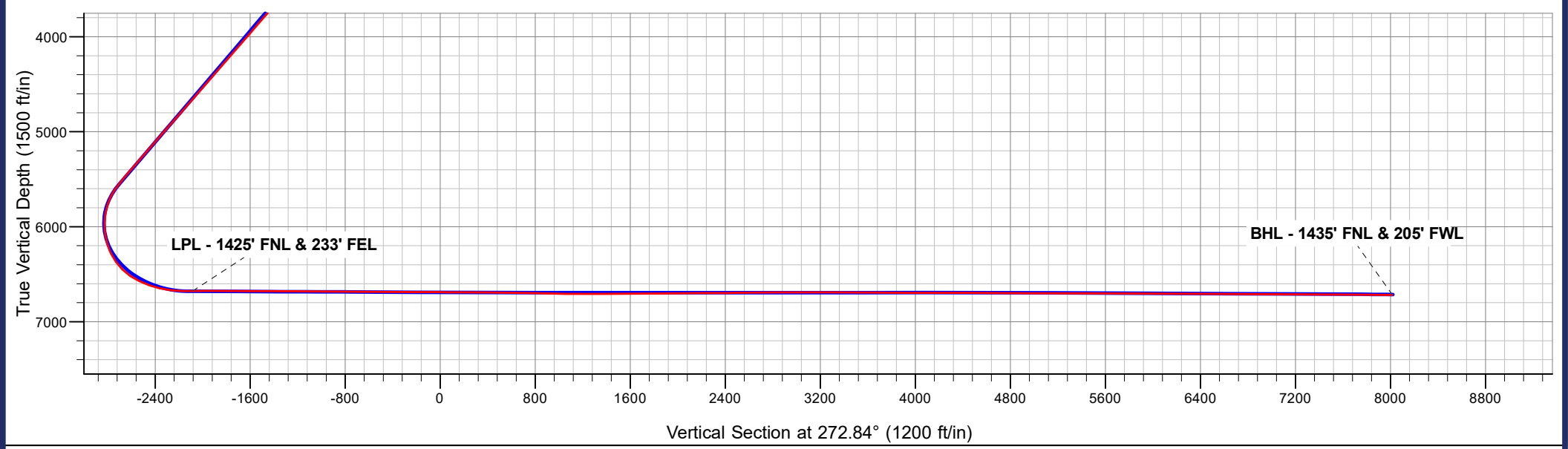
Azimuths to True North
Magnetic North: 7.66°

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

ANNOTATIONS

MD	TVD	Annotation
7975.0	6676.3	LPL - 1425' FNL & 233' FEL
18088.0	6718.7	BHL - 1435' FNL & 205' FWL

FINAL SURVEY
Projected Bottom Hole Location
18088.0' MD / 6718.7' TVD
89.05° INC / 270.28° AZM
1435' FNL / 205' FWL



Chevron DJ Basin

SEC.21-T4N-R64W
George Pad
GEORGE 07NA

GEORGE 07NA

Design: GEORGE 07NA Final Surveys

Survey Report - Geographic

01 April, 2024

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**North Reference:**	True
Wellbore:	GEORGE 07NA	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 07NA 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 07NA					
Well Position	**+N/-S**	0.0 ft	**Northing:**	1,353,580.05 usft	**Latitude:**	40.300120
	+E/-W	0.0 ft	**Easting:**	3,263,664.95 usft	**Longitude:**	-104.554678
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,717.0 ft

Wellbore	GEORGE 07NA			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HRGM	02/14/2024	7.66	66.54	51,620.99499873

Design	GEORGE 07NA 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	272.84

Survey Program **Date** 04/01/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	18,088.0	Survey #1 (GEORGE 07NA)	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	1,353,580.05	3,263,664.95	40.300120	-104.554678
208.0	0.53	50.37	208.0	0.6	0.7	1,353,580.67	3,263,665.69	40.300121	-104.554675
300.0	1.06	45.28	300.0	1.5	1.7	1,353,581.55	3,263,666.61	40.300124	-104.554672
394.0	0.97	50.73	394.0	2.6	2.9	1,353,582.68	3,263,667.83	40.300127	-104.554668
488.0	0.44	83.60	488.0	3.1	3.9	1,353,583.23	3,263,668.80	40.300128	-104.554664
582.0	0.35	188.71	582.0	2.9	4.2	1,353,582.99	3,263,669.12	40.300128	-104.554663
677.0	0.97	196.00	677.0	1.8	3.9	1,353,581.93	3,263,668.86	40.300125	-104.554664
771.0	1.32	154.61	770.9	0.1	4.2	1,353,580.19	3,263,669.13	40.300120	-104.554663
865.0	2.46	113.48	864.9	-1.7	6.5	1,353,578.43	3,263,671.46	40.300115	-104.554655
958.0	3.52	97.31	957.8	-2.8	11.2	1,353,577.32	3,263,676.13	40.300112	-104.554638
1,052.0	4.92	89.40	1,051.5	-3.2	18.0	1,353,577.07	3,263,683.03	40.300111	-104.554613
1,146.0	8.00	82.89	1,144.9	-2.3	28.6	1,353,578.04	3,263,693.54	40.300113	-104.554576

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**North Reference:**	True
Wellbore:	GEORGE 07NA	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 07NA 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	10.90	82.54	1,236.6	-0.4	43.7	1,353,580.14	3,263,708.67	40.300119	-104.554521
1,334.0	14.25	83.42	1,329.3	2.1	64.2	1,353,582.86	3,263,729.16	40.300125	-104.554448
1,428.0	15.74	82.89	1,420.1	5.0	88.4	1,353,586.03	3,263,753.28	40.300133	-104.554361
1,522.0	17.41	80.61	1,510.2	8.9	114.9	1,353,590.18	3,263,779.76	40.300144	-104.554266
1,616.0	19.08	80.08	1,599.5	13.9	143.9	1,353,595.43	3,263,808.72	40.300158	-104.554162
1,710.0	20.49	81.49	1,687.9	18.9	175.3	1,353,600.85	3,263,840.07	40.300172	-104.554049
1,804.0	24.62	79.20	1,774.7	25.0	210.9	1,353,607.33	3,263,875.52	40.300188	-104.553922
1,894.0	24.80	81.14	1,856.5	31.5	247.9	1,353,614.15	3,263,912.51	40.300206	-104.553789
1,960.0	24.01	82.46	1,916.6	35.4	274.9	1,353,618.33	3,263,939.46	40.300217	-104.553692
2,054.0	26.69	80.93	2,001.5	41.2	314.7	1,353,624.59	3,263,979.20	40.300233	-104.553550
2,147.0	24.04	82.28	2,085.6	47.0	354.1	1,353,630.85	3,264,018.54	40.300249	-104.553408
2,240.0	26.69	82.08	2,169.6	52.5	393.6	1,353,636.69	3,264,057.94	40.300264	-104.553267
2,334.0	28.18	80.80	2,253.0	58.9	436.4	1,353,643.60	3,264,100.69	40.300281	-104.553113
2,427.0	31.43	80.01	2,333.7	66.6	482.0	1,353,651.81	3,264,146.17	40.300303	-104.552950
2,522.0	32.97	83.39	2,414.1	73.9	532.1	1,353,659.62	3,264,196.17	40.300322	-104.552770
2,616.0	32.79	83.70	2,493.0	79.6	582.8	1,353,665.89	3,264,246.81	40.300338	-104.552589
2,710.0	33.72	83.50	2,571.7	85.4	634.0	1,353,672.19	3,264,297.97	40.300354	-104.552405
2,803.0	36.40	82.98	2,647.8	91.7	687.0	1,353,679.05	3,264,350.94	40.300371	-104.552215
2,898.0	35.94	83.23	2,724.5	98.4	742.7	1,353,686.37	3,264,406.52	40.300390	-104.552015
2,991.0	36.04	83.44	2,799.7	104.8	797.0	1,353,693.29	3,264,460.73	40.300407	-104.551821
3,085.0	35.99	83.16	2,875.7	111.2	851.9	1,353,700.32	3,264,515.55	40.300425	-104.551624
3,179.0	36.35	84.17	2,951.6	117.3	907.0	1,353,707.03	3,264,570.62	40.300442	-104.551426
3,274.0	36.11	84.35	3,028.3	122.9	962.9	1,353,713.24	3,264,626.42	40.300457	-104.551226
3,368.0	34.17	83.88	3,105.1	128.5	1,016.7	1,353,719.36	3,264,680.17	40.300472	-104.551033
3,462.0	34.55	83.79	3,182.7	134.2	1,069.4	1,353,725.62	3,264,732.85	40.300488	-104.550844
3,556.0	35.43	84.08	3,259.7	139.9	1,123.0	1,353,731.88	3,264,786.39	40.300504	-104.550652
3,650.0	34.59	84.32	3,336.7	145.3	1,176.7	1,353,737.90	3,264,839.97	40.300518	-104.550459
3,744.0	34.59	84.39	3,414.1	150.6	1,229.8	1,353,743.72	3,264,893.02	40.300533	-104.550269
3,838.0	35.23	84.30	3,491.2	155.9	1,283.3	1,353,749.59	3,264,946.49	40.300547	-104.550077
3,932.0	35.10	84.24	3,568.0	161.3	1,337.2	1,353,755.57	3,265,000.29	40.300562	-104.549884
4,026.0	35.02	84.02	3,645.0	166.8	1,390.9	1,353,761.66	3,265,053.94	40.300577	-104.549691
4,120.0	34.90	84.23	3,722.0	172.3	1,444.5	1,353,767.75	3,265,107.46	40.300593	-104.549499
4,213.0	34.86	84.16	3,798.3	177.7	1,497.4	1,353,773.69	3,265,160.31	40.300607	-104.549310
4,307.0	34.97	84.44	3,875.4	183.0	1,550.9	1,353,779.60	3,265,213.78	40.300622	-104.549118
4,401.0	35.10	84.37	3,952.4	188.3	1,604.6	1,353,785.43	3,265,267.42	40.300636	-104.548925
4,590.0	35.00	83.00	4,107.1	200.2	1,712.5	1,353,798.52	3,265,375.16	40.300669	-104.548538
4,684.0	35.30	83.37	4,183.9	206.7	1,766.3	1,353,805.51	3,265,428.82	40.300687	-104.548346
4,778.0	35.23	83.02	4,260.7	213.1	1,820.1	1,353,812.52	3,265,482.64	40.300704	-104.548153
4,871.0	35.41	82.93	4,336.6	219.7	1,873.5	1,353,819.66	3,265,535.93	40.300722	-104.547961
4,965.0	35.46	83.40	4,413.2	226.2	1,927.6	1,353,826.72	3,265,589.96	40.300740	-104.547767
5,059.0	35.25	83.16	4,489.8	232.5	1,981.6	1,353,833.66	3,265,643.91	40.300758	-104.547574
5,153.0	35.27	82.90	4,566.6	239.1	2,035.5	1,353,840.82	3,265,697.70	40.300776	-104.547380
5,247.0	35.10	82.94	4,643.4	245.8	2,089.3	1,353,848.07	3,265,751.37	40.300794	-104.547188
5,342.0	35.58	83.28	4,720.9	252.4	2,143.8	1,353,855.24	3,265,805.85	40.300812	-104.546992
5,436.0	35.66	83.09	4,797.3	258.9	2,198.2	1,353,862.32	3,265,860.13	40.300830	-104.546797
5,530.0	35.47	83.15	4,873.8	265.4	2,252.4	1,353,869.44	3,265,914.34	40.300848	-104.546603
5,625.0	35.94	83.04	4,950.9	272.1	2,307.5	1,353,876.70	3,265,969.30	40.300866	-104.546405
5,719.0	35.40	82.76	5,027.3	278.9	2,361.9	1,353,884.05	3,266,023.62	40.300885	-104.546210
5,813.0	35.15	82.83	5,104.0	285.7	2,415.7	1,353,891.43	3,266,077.39	40.300903	-104.546017
5,906.0	35.08	82.10	5,180.1	292.7	2,468.8	1,353,899.01	3,266,130.35	40.300923	-104.545827
6,001.0	35.15	82.99	5,257.8	299.8	2,522.9	1,353,906.68	3,266,184.45	40.300942	-104.545633
6,095.0	35.47	82.95	5,334.5	306.4	2,576.9	1,353,913.90	3,266,238.30	40.300960	-104.545440
6,189.0	33.96	82.22	5,411.8	313.3	2,630.0	1,353,921.37	3,266,291.30	40.300979	-104.545249
6,283.0	34.28	81.99	5,489.6	320.6	2,682.2	1,353,929.17	3,266,343.45	40.300999	-104.545062
6,376.0	33.69	81.84	5,566.7	327.9	2,733.7	1,353,937.03	3,266,394.83	40.301019	-104.544877

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**North Reference:**	True
Wellbore:	GEORGE 07NA	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 07NA 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	24.95	75.99	5,649.5	336.5	2,779.3	1,353,946.12	3,266,440.35	40.301043	-104.544714
6,565.0	18.01	71.62	5,736.9	345.9	2,812.3	1,353,955.87	3,266,473.32	40.301069	-104.544595
6,659.0	10.25	68.09	5,828.0	353.6	2,833.9	1,353,963.81	3,266,494.82	40.301090	-104.544518
6,752.0	6.93	40.03	5,920.0	361.0	2,845.2	1,353,971.32	3,266,506.03	40.301110	-104.544477
6,846.0	10.36	355.21	6,013.0	373.8	2,848.2	1,353,984.13	3,266,508.84	40.301145	-104.544467
6,941.0	11.93	306.28	6,106.4	388.1	2,839.5	1,353,998.39	3,266,500.04	40.301185	-104.544498
7,035.0	13.90	268.74	6,198.2	393.6	2,820.4	1,354,003.70	3,266,480.83	40.301200	-104.544567
7,129.0	21.04	270.89	6,287.8	393.6	2,792.2	1,354,003.41	3,266,452.63	40.301200	-104.544668
7,224.0	29.76	277.30	6,373.5	396.9	2,751.6	1,354,006.25	3,266,412.08	40.301209	-104.544813
7,317.0	39.57	275.12	6,449.9	402.5	2,699.1	1,354,011.27	3,266,359.50	40.301224	-104.545001
7,411.0	49.32	271.31	6,517.0	406.0	2,633.5	1,354,014.07	3,266,293.84	40.301234	-104.545237
7,505.0	58.99	269.88	6,572.0	406.7	2,557.4	1,354,013.99	3,266,217.74	40.301236	-104.545509
7,599.0	66.27	270.76	6,615.1	407.2	2,474.0	1,354,013.59	3,266,134.33	40.301237	-104.545808
7,693.0	73.49	270.54	6,647.5	408.2	2,385.8	1,354,013.65	3,266,046.13	40.301240	-104.546125
7,787.0	81.53	270.30	6,667.8	408.9	2,294.1	1,354,013.34	3,265,954.43	40.301242	-104.546453
7,881.0	88.46	268.99	6,676.0	408.3	2,200.5	1,354,011.75	3,265,860.87	40.301240	-104.546789
7,975.0	91.18	268.17	6,676.3	406.0	2,106.5	1,354,008.42	3,265,766.94	40.301234	-104.547126
LPL - 1425' FNL & 233' FEL									
8,069.0	90.25	269.04	6,675.1	403.7	2,012.6	1,354,005.13	3,265,673.01	40.301227	-104.547463
8,163.0	89.70	268.77	6,675.1	401.9	1,918.6	1,354,002.34	3,265,579.06	40.301223	-104.547800
8,257.0	89.46	268.87	6,675.8	399.9	1,824.6	1,353,999.40	3,265,485.11	40.301217	-104.548136
8,350.0	89.51	268.88	6,676.7	398.1	1,731.6	1,353,996.58	3,265,392.16	40.301212	-104.548470
8,444.0	89.67	269.08	6,677.3	396.4	1,637.6	1,353,993.91	3,265,298.21	40.301208	-104.548807
8,538.0	89.96	268.95	6,677.6	394.8	1,543.7	1,353,991.29	3,265,204.25	40.301203	-104.549144
8,633.0	89.79	268.70	6,677.8	392.9	1,448.7	1,353,988.33	3,265,109.30	40.301198	-104.549484
8,727.0	89.06	268.91	6,678.8	390.9	1,354.7	1,353,985.37	3,265,015.35	40.301193	-104.549821
8,821.0	89.76	268.62	6,679.7	388.9	1,260.7	1,353,982.34	3,264,921.41	40.301187	-104.550158
8,914.0	89.39	268.67	6,680.4	386.7	1,167.8	1,353,979.15	3,264,828.47	40.301181	-104.550491
9,008.0	89.49	269.04	6,681.4	384.8	1,073.8	1,353,976.27	3,264,734.53	40.301176	-104.550828
9,102.0	89.94	268.58	6,681.8	382.9	979.8	1,353,973.32	3,264,640.58	40.301171	-104.551165
9,195.0	89.34	269.54	6,682.4	381.3	886.8	1,353,970.80	3,264,547.62	40.301166	-104.551499
9,289.0	89.93	268.98	6,683.0	380.1	792.8	1,353,968.58	3,264,453.65	40.301163	-104.551836
9,383.0	89.42	268.99	6,683.5	378.5	698.9	1,353,965.92	3,264,359.70	40.301158	-104.552172
9,476.0	89.95	268.70	6,684.1	376.6	605.9	1,353,963.05	3,264,266.75	40.301153	-104.552506
9,570.0	89.10	269.01	6,684.8	374.7	511.9	1,353,960.17	3,264,172.80	40.301148	-104.552843
9,663.0	89.20	269.21	6,686.2	373.3	418.9	1,353,957.74	3,264,079.85	40.301144	-104.553176
9,757.0	89.17	269.07	6,687.5	371.9	324.9	1,353,955.32	3,263,985.89	40.301140	-104.553513
9,851.0	90.02	268.61	6,688.2	369.9	231.0	1,353,952.42	3,263,891.94	40.301135	-104.553850
9,944.0	89.73	268.73	6,688.4	367.8	138.0	1,353,949.27	3,263,799.00	40.301129	-104.554183
10,038.0	89.71	268.62	6,688.9	365.6	44.0	1,353,946.10	3,263,705.06	40.301123	-104.554520
10,132.0	89.70	269.41	6,689.4	364.0	-50.0	1,353,943.48	3,263,611.10	40.301119	-104.554857
10,226.0	89.61	268.99	6,689.9	362.7	-144.0	1,353,941.16	3,263,517.14	40.301115	-104.555194
10,320.0	89.40	268.93	6,690.7	361.0	-237.9	1,353,938.46	3,263,423.19	40.301110	-104.555531
10,414.0	89.61	268.73	6,691.6	359.1	-331.9	1,353,935.53	3,263,329.24	40.301105	-104.555868
10,508.0	89.37	268.71	6,692.4	357.0	-425.9	1,353,932.43	3,263,235.30	40.301099	-104.556205
10,601.0	89.27	270.06	6,693.5	356.0	-518.9	1,353,930.44	3,263,142.33	40.301097	-104.556538
10,695.0	88.18	269.90	6,695.6	355.9	-612.9	1,353,929.41	3,263,048.37	40.301097	-104.556875
10,790.0	88.95	269.67	6,698.0	355.6	-707.8	1,353,928.04	3,262,953.41	40.301096	-104.557216
10,884.0	88.69	269.70	6,699.9	355.1	-801.8	1,353,926.52	3,262,859.45	40.301094	-104.557553
10,978.0	88.58	269.98	6,702.1	354.8	-895.8	1,353,925.26	3,262,765.49	40.301093	-104.557889
11,071.0	88.06	271.18	6,704.9	355.7	-988.7	1,353,925.21	3,262,672.53	40.301096	-104.558223
11,164.0	89.75	271.18	6,706.6	357.7	-1,081.7	1,353,926.13	3,262,579.56	40.301101	-104.558556
11,259.0	90.46	271.07	6,706.5	359.5	-1,176.7	1,353,926.98	3,262,484.57	40.301106	-104.558896
11,353.0	89.92	271.06	6,706.2	361.3	-1,270.7	1,353,927.73	3,262,390.58	40.301111	-104.559233
11,447.0	89.83	271.14	6,706.4	363.1	-1,364.6	1,353,928.53	3,262,296.59	40.301116	-104.559570

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**North Reference:**	True
Wellbore:	GEORGE 07NA	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 07NA 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
11,542.0	90.35	270.86	6,706.2	364.7	-1,459.6	1,353,929.18	3,262,201.59	40.301121	-104.559911
11,636.0	90.62	270.90	6,705.4	366.2	-1,553.6	1,353,929.62	3,262,107.60	40.301125	-104.560248
11,730.0	90.32	271.15	6,704.6	367.9	-1,647.6	1,353,930.30	3,262,013.61	40.301129	-104.560585
11,824.0	90.56	271.08	6,703.9	369.7	-1,741.6	1,353,931.13	3,261,919.62	40.301134	-104.560922
11,918.0	90.68	271.22	6,702.9	371.6	-1,835.5	1,353,932.01	3,261,825.64	40.301139	-104.561259
12,012.0	90.63	271.17	6,701.8	373.5	-1,929.5	1,353,932.97	3,261,731.65	40.301145	-104.561596
12,106.0	90.99	271.01	6,700.5	375.3	-2,023.5	1,353,933.75	3,261,637.67	40.301150	-104.561932
12,200.0	90.90	270.85	6,699.0	376.8	-2,117.5	1,353,934.28	3,261,543.69	40.301154	-104.562269
12,294.0	90.29	271.15	6,698.0	378.5	-2,211.4	1,353,934.92	3,261,449.70	40.301158	-104.562606
12,388.0	90.24	271.52	6,697.5	380.7	-2,305.4	1,353,936.10	3,261,355.71	40.301164	-104.562943
12,481.0	90.84	271.11	6,696.7	382.8	-2,398.4	1,353,937.25	3,261,262.73	40.301170	-104.563277
12,575.0	90.64	270.44	6,695.4	384.1	-2,492.4	1,353,937.52	3,261,168.74	40.301174	-104.563613
12,669.0	90.85	270.25	6,694.2	384.6	-2,586.4	1,353,937.08	3,261,074.76	40.301175	-104.563950
12,762.0	90.37	270.12	6,693.2	384.9	-2,679.4	1,353,936.39	3,260,981.77	40.301176	-104.564284
12,855.0	90.50	270.29	6,692.5	385.3	-2,772.3	1,353,935.73	3,260,888.78	40.301177	-104.564617
12,950.0	90.98	269.94	6,691.3	385.5	-2,867.3	1,353,934.91	3,260,793.79	40.301177	-104.564958
13,043.0	90.94	269.96	6,689.7	385.4	-2,960.3	1,353,933.84	3,260,700.82	40.301177	-104.565291
13,138.0	89.60	269.97	6,689.3	385.3	-3,055.3	1,353,932.77	3,260,605.83	40.301177	-104.565632
13,231.0	89.76	270.15	6,689.8	385.4	-3,148.3	1,353,931.87	3,260,512.84	40.301177	-104.565965
13,325.0	89.37	270.30	6,690.5	385.8	-3,242.3	1,353,931.24	3,260,418.85	40.301178	-104.566302
13,418.0	89.83	270.13	6,691.2	386.1	-3,335.3	1,353,930.60	3,260,325.86	40.301179	-104.566636
13,512.0	89.48	270.06	6,691.7	386.3	-3,429.3	1,353,929.75	3,260,231.87	40.301179	-104.566973
13,606.0	89.25	270.61	6,692.8	386.8	-3,523.3	1,353,929.30	3,260,137.88	40.301181	-104.567310
13,700.0	90.05	270.01	6,693.4	387.4	-3,617.3	1,353,928.80	3,260,043.89	40.301182	-104.567647
13,794.0	89.29	270.39	6,693.9	387.7	-3,711.3	1,353,928.13	3,259,949.90	40.301183	-104.567984
13,888.0	89.81	270.19	6,694.6	388.2	-3,805.3	1,353,927.60	3,259,855.91	40.301184	-104.568320
13,981.0	89.45	270.22	6,695.2	388.5	-3,898.3	1,353,926.95	3,259,762.91	40.301185	-104.568654
14,075.0	89.64	269.86	6,696.0	388.6	-3,992.3	1,353,926.01	3,259,668.93	40.301185	-104.568991
14,168.0	89.70	270.02	6,696.5	388.5	-4,085.3	1,353,924.92	3,259,575.94	40.301185	-104.569324
14,262.0	90.30	270.33	6,696.5	388.7	-4,179.3	1,353,924.21	3,259,481.95	40.301186	-104.569661
14,356.0	89.95	270.14	6,696.3	389.1	-4,273.3	1,353,923.59	3,259,387.95	40.301187	-104.569998
14,449.0	90.01	270.18	6,696.4	389.4	-4,366.3	1,353,922.86	3,259,294.96	40.301187	-104.570332
14,544.0	89.96	270.08	6,696.4	389.6	-4,461.3	1,353,922.06	3,259,199.97	40.301188	-104.570672
14,636.0	89.33	270.09	6,696.9	389.7	-4,553.3	1,353,921.22	3,259,107.98	40.301188	-104.571002
14,729.0	89.50	269.96	6,697.9	389.8	-4,646.3	1,353,920.27	3,259,014.99	40.301188	-104.571336
14,824.0	89.36	270.34	6,698.8	390.0	-4,741.3	1,353,919.50	3,258,920.00	40.301189	-104.571676
14,917.0	89.93	270.02	6,699.4	390.3	-4,834.3	1,353,918.80	3,258,827.01	40.301190	-104.572010
15,011.0	89.93	269.80	6,699.5	390.2	-4,928.3	1,353,917.65	3,258,733.02	40.301189	-104.572347
15,105.0	89.98	270.28	6,699.6	390.2	-5,022.3	1,353,916.72	3,258,639.03	40.301189	-104.572684
15,293.0	89.65	270.47	6,700.2	391.5	-5,210.3	1,353,915.94	3,258,451.04	40.301193	-104.573358
15,388.0	89.75	270.22	6,700.7	392.0	-5,305.3	1,353,915.50	3,258,356.05	40.301194	-104.573698
15,481.0	89.88	270.04	6,701.0	392.3	-5,398.3	1,353,914.72	3,258,263.06	40.301195	-104.574032
15,576.0	89.54	270.69	6,701.5	392.9	-5,493.3	1,353,914.31	3,258,168.07	40.301196	-104.574372
15,670.0	89.83	269.91	6,702.0	393.4	-5,587.3	1,353,913.80	3,258,074.07	40.301198	-104.574709
15,764.0	89.66	270.09	6,702.4	393.4	-5,681.3	1,353,912.80	3,257,980.08	40.301198	-104.575046
15,859.0	89.63	270.07	6,703.0	393.5	-5,776.2	1,353,911.92	3,257,885.09	40.301198	-104.575387
15,952.0	89.53	270.27	6,703.7	393.8	-5,869.2	1,353,911.21	3,257,792.10	40.301199	-104.575720
16,046.0	89.77	270.00	6,704.3	394.0	-5,963.2	1,353,910.43	3,257,698.11	40.301199	-104.576057
16,140.0	89.84	270.36	6,704.6	394.3	-6,057.2	1,353,909.72	3,257,604.12	40.301200	-104.576394
16,328.0	89.49	270.42	6,705.7	395.6	-6,245.2	1,353,908.99	3,257,416.13	40.301203	-104.577068
16,516.0	89.96	270.10	6,706.6	396.4	-6,433.2	1,353,907.84	3,257,228.15	40.301205	-104.577742
16,610.0	89.34	270.02	6,707.2	396.5	-6,527.2	1,353,906.94	3,257,134.16	40.301206	-104.578079
16,797.0	89.51	270.07	6,709.0	396.7	-6,714.2	1,353,905.09	3,256,947.19	40.301206	-104.578749
16,891.0	90.60	270.08	6,709.0	396.8	-6,808.2	1,353,904.21	3,256,853.20	40.301206	-104.579086
16,985.0	89.47	269.97	6,708.9	396.8	-6,902.2	1,353,903.25	3,256,759.21	40.301206	-104.579423

Ensign

Survey Report - Geographic

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**North Reference:**	True
Wellbore:	GEORGE 07NA	**Survey Calculation Method:**	Minimum Curvature
Design:	GEORGE 07NA 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
17,078.0	89.03	269.08	6,710.1	396.1	-6,995.2	1,353,901.49	3,256,666.24	40.301204	-104.579757
17,173.0	89.64	270.44	6,711.2	395.7	-7,090.2	1,353,900.08	3,256,571.26	40.301203	-104.580097
17,267.0	89.53	270.18	6,711.9	396.2	-7,184.2	1,353,899.59	3,256,477.27	40.301204	-104.580434
17,361.0	90.53	269.91	6,711.8	396.2	-7,278.2	1,353,898.66	3,256,383.28	40.301204	-104.580771
17,454.0	89.56	270.29	6,711.8	396.4	-7,371.2	1,353,897.83	3,256,290.29	40.301205	-104.581105
17,548.0	89.36	269.59	6,712.7	396.3	-7,465.2	1,353,896.73	3,256,196.30	40.301204	-104.581442
17,642.0	89.62	270.31	6,713.5	396.2	-7,559.2	1,353,895.65	3,256,102.32	40.301204	-104.581779
17,829.0	89.49	270.12	6,715.0	396.9	-7,746.2	1,353,894.35	3,255,915.34	40.301206	-104.582449
17,923.0	89.14	269.96	6,716.1	397.0	-7,840.2	1,353,893.42	3,255,821.35	40.301206	-104.582786
18,017.0	89.05	270.28	6,717.6	397.2	-7,934.2	1,353,892.61	3,255,727.37	40.301206	-104.583123
18,088.0	89.05	270.28	6,718.7	397.5	-8,005.1	1,353,892.20	3,255,656.39	40.301207	-104.583378
BHL - 1435' 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
7,975.0	6,676.3	406.0	2,106.5	LPL - 1425' FNL & 233' FEL
18,088.0	6,718.7	397.5	-8,005.1	BHL - 1435' FNL & 205' FWL

Checked By: _____ Approved By: _____ Date: _____

Chevron DJ Basin

SEC.21-T4N-R64W
George Pad
GEORGE 07NA

GEORGE 07NA
GEORGE 07NA Final Surveys

Anticollision Summary Report

01 April, 2024

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference	GEORGE 07NA Final Surveys		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of refere		
Interpolation Method:	MD Interval 100.0ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 ft	**Error Surface:**	Combined Pedal Curve
Warning Levels Evaluated at:	3.50 **Sigma**	**Casing Method:**	N/A Unknown

Survey Program **Date** 04/01/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
208.0	18,088.0	Survey #1 (GEORGE 07NA)	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	7,216.4	8,297.6	685.0	627.7	12.441	CC, ES
BORYS C22-775 - BORYS C22-775 - BORYS C22-775	7,300.0	8,302.7	695.9	636.2	12.096	SF
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,400.0	8,476.0	285.2	231.6	5.524	CC
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,404.0	8,476.0	285.5	231.6	5.495	ES
BORYS C22-783 - BORYS C22-783 - BORYS C22-783	7,500.0	8,476.5	316.4	256.2	5.434	SF
Collins 4N64W18T Pad Sec.18-T4N-R64W						
Collins 18T-221 - Collins 18T-221 Wellbore #1 - Collins 1	18,088.0	6,333.0	1,818.5	1,612.5	8.923	CC, ES, SF
Collins 18T-221 - Collins 18T-221 Wellbore #2 - Collins 1	18,088.0	6,245.0	1,915.0	1,710.2	9.451	CC, ES, SF
Collins 18T-321 - Collins 18T-321 Wellbore #1 - Collins 1	18,088.0	6,515.0	1,924.5	1,730.3	10.024	CC, ES, SF
Cricket C22-30D Pad Sec.21-T4N-R64W						
Thoutt 1 - Thoutt 1 - Thoutt 1	8,390.9	6,623.2	682.2	607.8	9.453	CC, ES
Thoutt 1 - Thoutt 1 - Thoutt 1	8,400.0	6,623.1	682.3	607.9	9.449	SF
Drake Pad						
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	7,900.2	18,887.0	1,981.3	1,430.3	3.607	ES, SF
DRAKE 22N - Drake 22N - Drake 22N Final Surveys	18,088.0	8,696.9	1,977.5	1,714.3	7.574	CC
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	7,900.3	18,177.0	1,755.8	1,236.8	3.394	ES, SF
DRAKE 23N - Drake 23N - Drake 23N Final Surveys	18,017.8	8,098.1	1,749.9	1,496.2	6.954	CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	18,000.0	8,199.1	1,541.0	1,289.0	6.165	CC
DRAKE 24N - Drake 24N - Drake 24N Final Surveys	18,088.0	8,146.5	1,542.1	1,288.5	6.130	ES, SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	7,900.5	18,261.4	1,590.9	1,064.7	3.033	ES, SF
DRAKE 24N - Drake 24N - Drake 24N Plan #2 12-13-23	18,088.0	8,102.8	1,549.2	1,293.3	6.103	CC

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA 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	254.7	254.6	89.5	81.2	14.821	CC, ES
GEORGE 01N - GEORGE 01N - GEORGE 01N Final Su	18,088.0	18,299.4	1,319.2	972.1	3.821	SF
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	484.0	484.5	71.6	62.5	10.494	CC
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	500.0	500.4	71.6	62.5	10.392	ES
GEORGE 02N - GEORGE 02N - GEORGE 02N Final Su	18,088.0	17,981.9	1,106.5	760.5	3.213	SF
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	514.9	515.7	53.6	44.5	7.604	CC, ES
GEORGE 03NA - GEORGE 03NA - GEORGE 03NA Fina	18,088.0	18,154.0	867.7	518.0	2.491	SF
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	706.0	707.1	40.7	30.5	4.964	CC, ES
GEORGE 04N - GEORGE 04N - GEORGE 04N Final Su	18,088.0	17,945.0	639.6	299.8	1.888	SF
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	778.4	779.3	26.8	16.2	2.982	CC
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	800.0	800.8	26.9	16.2	2.950	ES
GEORGE 05N - GEORGE 05N - GEORGE 05N Final Su	18,088.0	18,129.0	452.8	104.4	1.302	Collision Monitoring, SF
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	622.2	622.5	6.0	-3.7	0.488	Unacceptable Path, CC, S
GEORGE 06N - GEORGE 06N - GEORGE 06N Final Su	18,088.0	17,947.0	256.3	-56.3	0.818	Shut in, ES
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	100.0	100.0	0.2	-8.0	-0.385	CC, SF
GEORGE 07NA - GEORGE 07NA - GEORGE 07NA PLA	17,000.0	16,973.2	6.5	-286.4	0.014	Unacceptable Path, ES
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	214.1	214.1	14.6	6.4	2.101	CC
GEORGE 08N - GEORGE 08N - GEORGE 08N Final Su	18,088.0	17,983.4	231.6	-114.5	0.667	Authorization, ES, SF
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	149.3	149.3	14.9	6.7	2.150	CC
GEORGE 08N - GEORGE 08N - GEORGE 08N PLAN #	18,088.0	17,986.8	223.5	-121.3	0.646	Authorization, ES, SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	0.0	0.0	30.0			
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	100.0	100.0	30.0	21.8	4.785	ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Final Su	18,088.0	17,947.2	460.8	121.2	1.360	Collision Monitoring, SF
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	201.5	201.5	29.9	21.6	4.683	CC
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	400.0	400.0	30.2	21.3	4.308	ES
GEORGE 09N - GEORGE 09N - GEORGE 09N Plan #1	18,088.0	17,927.9	453.5	114.4	1.340	Collision Monitoring, SF
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	100.0	103.0	45.0	37.0	7.413	CC, ES
GEORGE 10N - GEORGE 10N - GEORGE 10N Plan #1	18,088.0	17,973.8	658.2	309.5	1.893	SF
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	902.7	901.3	57.1	45.4	5.889	CC
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	1,600.0	1,589.1	59.1	42.2	3.907	ES
GEORGE 11N - GEORGE 11N - GEORGE 11N Plan #1	18,088.0	17,993.0	883.0	536.2	2.557	SF
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	804.8	803.7	73.0	61.9	8.168	CC
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	900.0	897.0	73.4	61.8	7.676	ES
GEORGE 12N - GEORGE 12N - GEORGE 12N Plan #1	18,088.0	18,072.0	1,096.0	745.4	3.141	SF
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	625.5	625.8	89.4	79.4	11.508	CC, ES
GEORGE 13N - GEORGE 13N - GEORGE 13N Plan #1	18,088.0	18,008.1	1,319.1	971.7	3.817	SF
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	514.1	514.7	104.8	95.4	14.694	CC, ES
GEORGE 14N - GEORGE 14N - GEORGE 14N Plan #1	18,088.0	18,063.8	1,534.2	1,184.7	4.414	SF
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	215.2	216.2	119.9	111.6	19.913	CC
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	400.0	400.0	120.0	111.1	18.221	ES
GEORGE 15NA - GEORGE 15NA - GEORGE 15NA Plar	18,088.0	18,048.1	1,756.3	1,409.1	5.087	SF
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	216.0	217.0	134.9	126.6	22.449	CC
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	300.0	300.0	135.0	126.4	21.712	ES
GEORGE 16N - GEORGE 16N - GEORGE Plan #1 2-16	18,088.0	18,067.0	1,975.0	1,628.1	5.727	SF
GEORGE 17N - George 17N - GEORGE 17N Plan #1 2-	199.0	200.0	149.7	141.4	25.090	CC, ES
GEORGE 17N - George 17N - GEORGE 17N Plan #1 2-	6,200.0	5,790.7	1,677.1	1,600.7	22.634	SF
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #1	100.0	100.0	164.9	156.7	28.181	CC, ES
GEORGE 18N - GEORGE 18N - GEORGE 18N Plan #1	6,200.0	5,712.1	1,863.3	1,788.1	25.591	SF
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	100.0	100.0	179.9	171.7	30.782	CC, ES
GEORGE 19NA - GEORGE 19NA - GEORGE 19NA Plar	6,200.0	5,659.4	1,987.7	1,912.9	27.430	SF
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #1	100.0	100.0	195.0	187.0	33.427	CC, ES
GEORGE 20N - GEORGE 20N - GEORGE 20N Plan #1	5,700.0	5,150.3	1,984.1	1,917.5	30.792	SF
GEORGE 21N - GEORGE 21N - George 21N Plan #1 2-	1,549.3	1,547.6	167.7	151.4	11.710	CC, ES

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA 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 21N - GEORGE 21N - George 21N Plan #1 2-	10,000.0	6,691.7	508.7	408.6	5.175	SF
Long C20-18 Pad Sec.20-T4N-R64W						
Long C20-21D - Wellbore #1 - Wellbore #1	15,538.6	6,932.4	1,093.0	895.0	5.576	CC, ES
Long C20-21D - Wellbore #1 - Wellbore #1	15,600.0	6,932.2	1,095.0	895.9	5.556	SF
Long C20-22D - Wellbore #1 - Wellbore #1	14,333.3	7,050.5	1,031.8	854.2	5.877	CC, ES
Long C20-22D - Wellbore #1 - Wellbore #1	14,400.0	7,049.3	1,033.8	855.7	5.870	SF
SEC.15-T4N-R64W (Existing)						
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,700.0	7,888.4	89.1	42.6	1.968	CC
STOCKLEY C22-79HN - STOCKLEY C22-79HN - STOC	7,702.3	7,888.3	89.8	42.4	1.945	ES, SF
SEC.19-T4N-R64W (Exist)						
CPC-OSTER 19-01 - CPC-OSTER 19-01 - CPC-OSTER	18,088.0	6,791.4	1,156.9	982.2	6.701	CC, ES, SF
OSTER PM C19-8 (Vert) - OSTER PM C19-8 - OSTER F	18,088.0	6,775.7	885.0	382.7	1.766	CC, ES, SF
VCTOR C19-9 - VICTOR C19-9 - VICTOR C19-9	18,088.0	6,803.5	1,965.8	1,740.0	8.790	CC, ES, SF
SEC.20-T4N-R64W (Exist)						
Agricultural Products Inc 20-4I4 (Vert) - Agricultural Prod	17,626.2	6,758.4	683.5	152.9	1.289	Collision Monitoring, CC,
API 20-6I4 (Vert) - API 20-6I4 - API 20-6I4	16,313.6	6,728.6	573.0	359.6	2.704	CC, ES, SF
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-2	16,427.4	6,725.7	1,728.2	1,512.9	8.109	CC, ES
HIGHLAND 11-20 - HIGHLAND 11-20 - HIGHLAND 11-2	16,600.0	6,726.5	1,736.4	1,518.4	8.045	SF
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,658.5	6,749.5	1,889.1	1,647.7	7.896	CC
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,700.0	6,749.5	1,889.8	1,647.5	7.871	ES
HIGHLAND 12-20 - HIGHLAND 12-20 - HIGHLAND 12-2	17,800.0	6,749.7	1,894.7	1,650.9	7.841	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,851.2	10,175.0	604.9	426.6	3.427	CC, ES, SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,700.0	10,553.7	511.3	395.3	4.481	SF
KLINGENBERG C20-780 - KLINGENBERG C20-780 (S	17,800.0	10,557.2	495.2	383.5	4.509	CC, ES
LONG C20-17 (Vert) - LONG C20-17 - LONG C20-17	14,393.6	6,660.2	288.8	114.4	1.665	CC, ES, SF
LONG C20-18 (Vert) - LONG C20-18 - LONG C20-18	15,495.5	6,706.1	322.4	125.7	1.647	CC, ES, SF
LONG C20-21D - LONG C20-21D - LONG C20-21D	15,541.2	6,932.4	1,089.4	891.3	5.556	CC, ES
LONG C20-21D - LONG C20-21D - LONG C20-21D	15,600.0	6,932.3	1,091.3	892.1	5.535	SF
LONG C20-22D - LONG C20-22D - LONG C20-22D	14,336.1	7,050.5	1,031.8	854.2	5.876	CC, ES
LONG C20-22D - LONG C20-22D - LONG C20-22D	14,400.0	7,049.3	1,033.7	855.5	5.868	SF
PREBISH 1 (Vert) - PREBISH 1 - PREBISH 1	16,322.4	6,707.6	756.6	240.0	1.467	Collision Monitoring, CC,
PREBISH 2 - PREBISH 2 - PREBISH 2	17,548.8	6,762.0	496.1	257.3	2.089	CC, ES, SF
PREBISH C20-19 - PREBISH C20-19 - PREBISH C20-1	16,890.5	6,736.1	179.7	-44.2	0.801	Shut in, CC, ES, SF
TODD 1 - TODD 1 - TODD 1	13,655.7	6,637.3	843.7	683.8	5.343	CC, ES
TODD 1 - TODD 1 - TODD 1	13,700.0	6,637.4	844.9	684.4	5.330	SF
TODD 2 (Vert) - TODD 2 - TODD 2	15,012.2	6,694.5	109.0	-395.6	0.212	Unacceptable Path, CC, E
TODD 20-2 (Vert) - TODD 20-2 - TODD 20-2	14,813.2	6,690.7	542.2	39.2	1.078	Collision Monitoring, CC,
TODD 20-8 (Vert) - TODD 20-8 - TODD 20-8	13,754.6	6,683.5	625.3	130.0	1.264	Collision Monitoring, CC,

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA Final Surveys	**Offset TVD Reference:**	Offset Datum

Summary

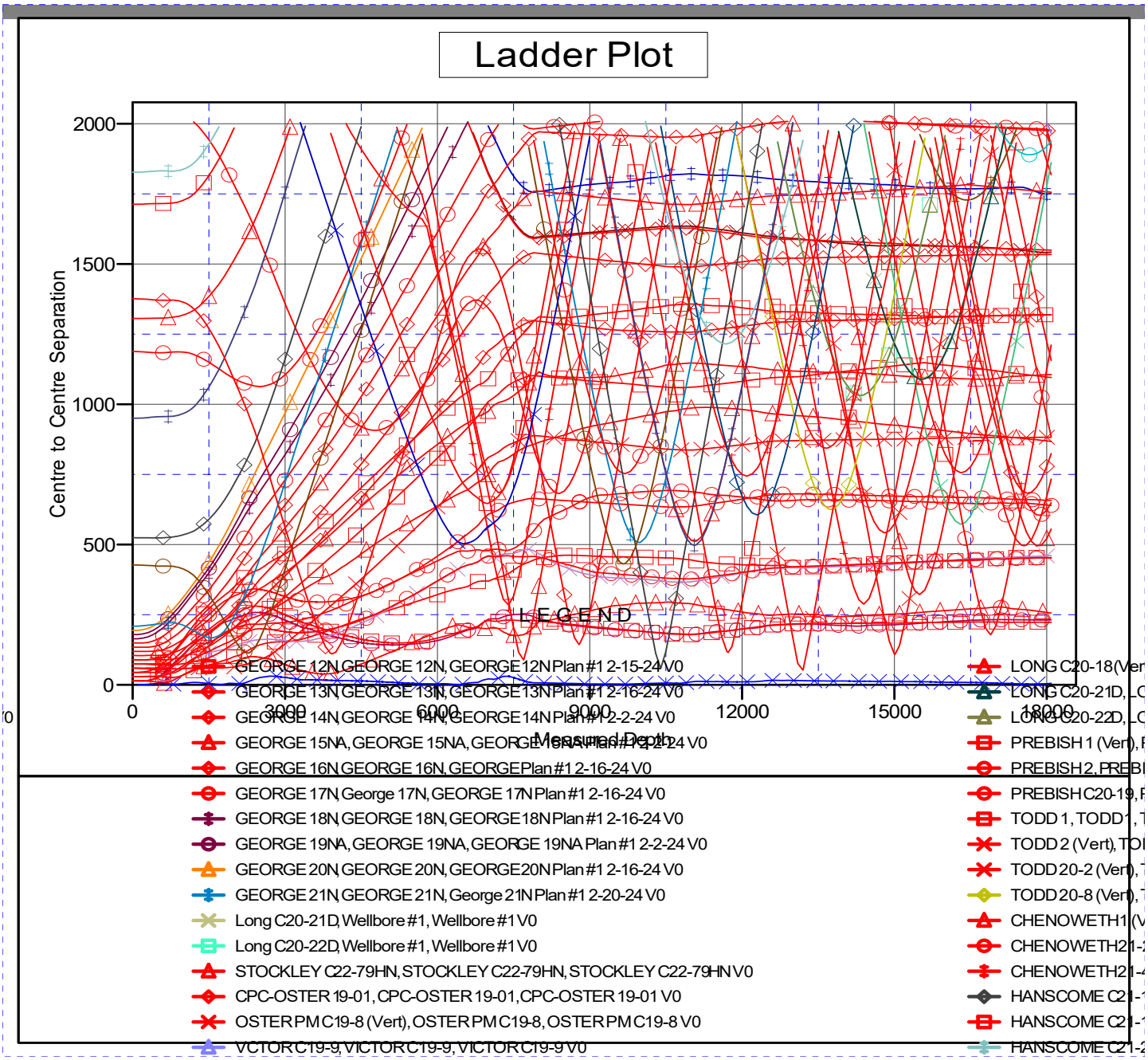
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
SEC.21-T4N-R64W (Exist)						
CHENOWETH 1 (Vert) - CHENOWETH 1 - CHENOWET	11,067.0	6,691.5	511.8	29.9	1.062	Collision Monitoring, CC,
CHENOWETH 21-2 (Vert) - CHENOWETH 21-2 - CHEN	9,700.0	6,655.7	753.1	277.9	1.588	CC, ES, SF
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWET	12,092.2	6,652.3	744.2	614.5	5.829	CC
CHENOWETH 21-4 - CHENOWETH 21-4 - CHENOWET	12,100.0	6,652.5	744.3	614.5	5.825	ES, SF
HANSCOME C21-18 (Vert) - HANSCOME C21-18 - HAN	10,396.6	6,667.4	59.0	-42.0	0.574	Authorization, CC, ES, SF
HANSCOME C21-19 (Vert) - HANSCOME C21-19 - HAN	11,727.8	6,692.6	115.9	-368.8	0.235	Unacceptable Path, CC, E
HANSCOME C21-20 (Vert) - HANSCOME C21-20 - HAN	11,678.7	6,708.1	1,215.4	729.9	2.511	CC, ES
HANSCOME C21-20 (Vert) - HANSCOME C21-20 - HAN	11,700.0	6,707.8	1,215.5	729.9	2.511	SF
HANSCOME C21-79HN - HANSCOME C21-79HN - HAN	13,200.0	9,949.5	52.7	-37.8	0.570	Authorization, CC, ES, SF
LEONARD 2 - LEONARD 2 - LEONARD 2	12,291.1	6,669.3	606.4	473.4	4.629	CC
LEONARD 2 - LEONARD 2 - LEONARD 2	12,300.0	6,669.3	606.4	473.3	4.622	ES, SF
LEONARD 21-6I4 - LEONARD 21-6I4 - LEONARD 21-6I	11,058.7	6,681.5	497.3	386.6	4.570	CC, ES
LEONARD 21-6I4 - LEONARD 21-6I4 - LEONARD 21-6I	11,100.0	6,683.4	499.4	388.0	4.559	SF
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	2,269.4	2,168.9	113.8	-41.0	0.731	Authorization, CC
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	2,300.0	2,196.0	114.6	-42.1	0.727	Authorization, SF
LEONARD 4 (Vert) - LEONARD 4 - LEONARD 4	9,665.1	6,659.3	431.4	-43.9	0.907	Shut in, ES
TRAVELERS 21-8I4 - TRAVELERS 21-8I4 - TRAVELERS	3,933.1	3,510.4	110.6	74.9	3.251	CC
TRAVELERS 21-8I4 - TRAVELERS 21-8I4 - TRAVELERS	8,787.0	6,623.8	144.8	66.6	1.877	ES, SF
SEC.22-T4N-R64W (Exist)						
JOHNSTON 22-4 - JOHNSTON 22-4 - JOHNSTON 22-4	6,972.8	6,064.6	647.0	587.4	11.278	CC, ES, SF
LYMAN 1 - LYMAN 1 - LYMAN 1	6,515.4	5,596.5	503.6	440.7	8.294	CC, ES
LYMAN 1 - LYMAN 1 - LYMAN 1	6,700.0	5,766.2	512.7	447.9	8.184	SF

Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4742.0ft (T41 - RKB 25')	Coordinates are relative to: GEORGE 07NA
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.61°



Ensign

Anticollision Summary Report

Company:	Chevron DJ Basin	**Local Co-ordinate Reference:**	Well GEORGE 07NA
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 07NA	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	3.50 sigma
Reference Wellbore	GEORGE 07NA	**Database:**	US_EDM
Reference Design:	GEORGE 07NA Final Surveys	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4742.0ft (T41 - RKB 25')	Coordinates are relative to: GEORGE 07NA
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°