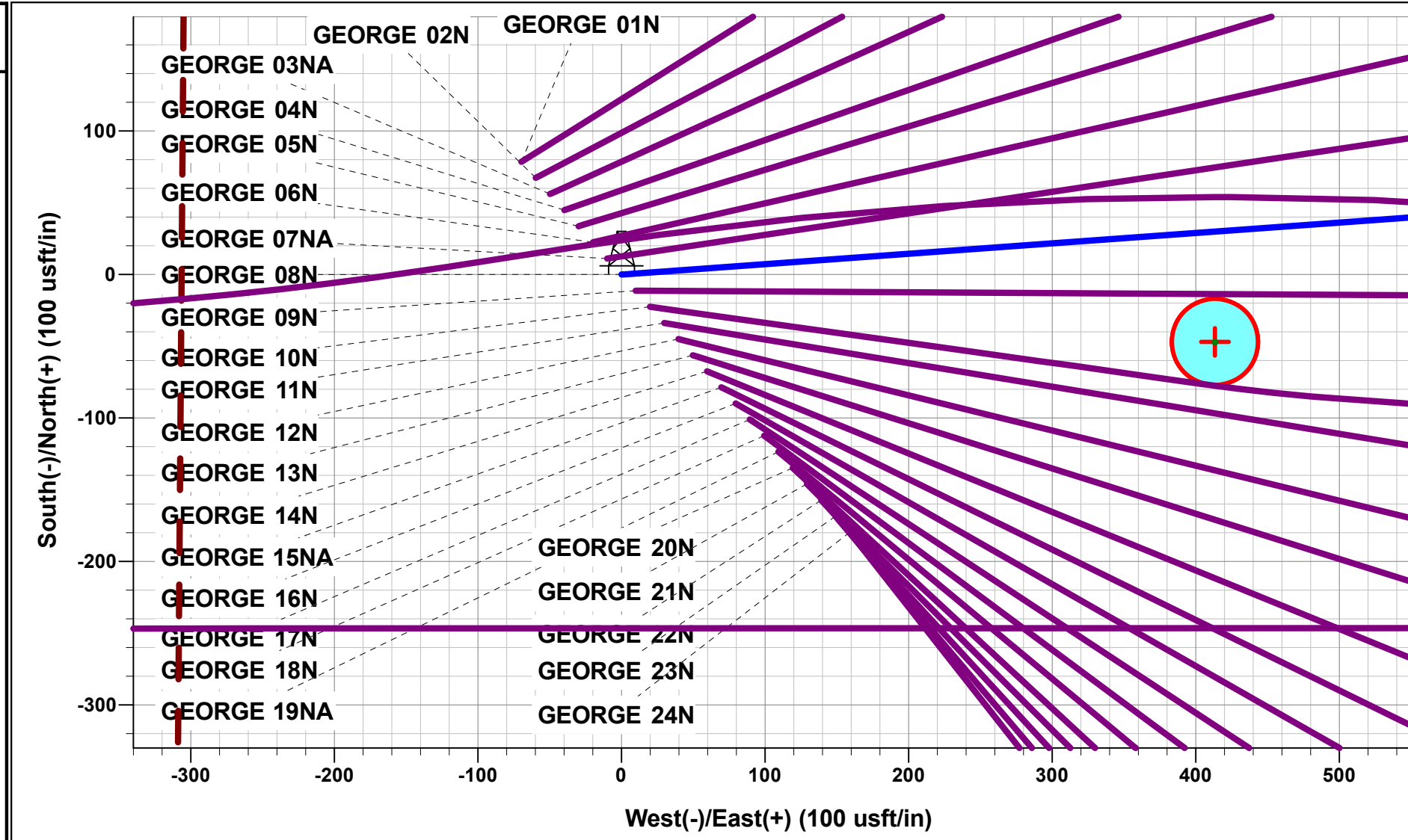




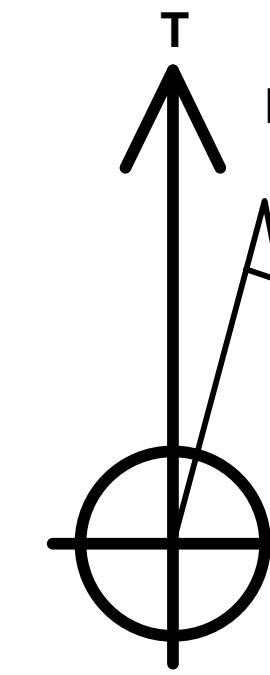
Project: WELD COUNTY, COLORADO (TRUE)
 Site: SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)
 Well: GEORGE 08N
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 1850ft FNL & 2326ft FEL of Sec 21
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	START NUDDGE (3°/100ft BUR)
2201.22	36.04	85.87	2123.57	26.34	364.52	-363.79	365.47	EOB TO 36.04° INC
5489.03	36.04	85.87	4782.24	165.77	2293.71	-2289.15	2299.69	END OF TANGENT
6690.25	0.00	0.00	5905.81	192.11	2658.23	-2652.95	2665.16	EOD TO VERTICAL
6790.25	0.00	0.00	6005.81	192.11	2658.23	-2652.95	2665.16	KOP (8°/100ft BUR)
7727.75	75.00	269.99	6697.60	192.02	2127.40	-2122.27	3195.99	EP: 1653ft FNL & 200ft FEL of Sec 21
7911.75	89.72	269.99	6722.00	191.98	1945.53	-1940.45	3377.86	HZ LANDING POINT
17878.45	89.71	269.98	6772.00	189.65	-8021.04	8023.28	13344.43	BHL: 1654ft FNL & 200ft FWL of Sec 20



PROPOSED LOCAL COORDINATES:
 SHL: 1850ft FNL & 2326ft FEL of Sec 21
 EP: 1653ft FNL & 200ft FEL of Sec 21
 BHL: 1654ft FNL & 200ft FWL of Sec 20

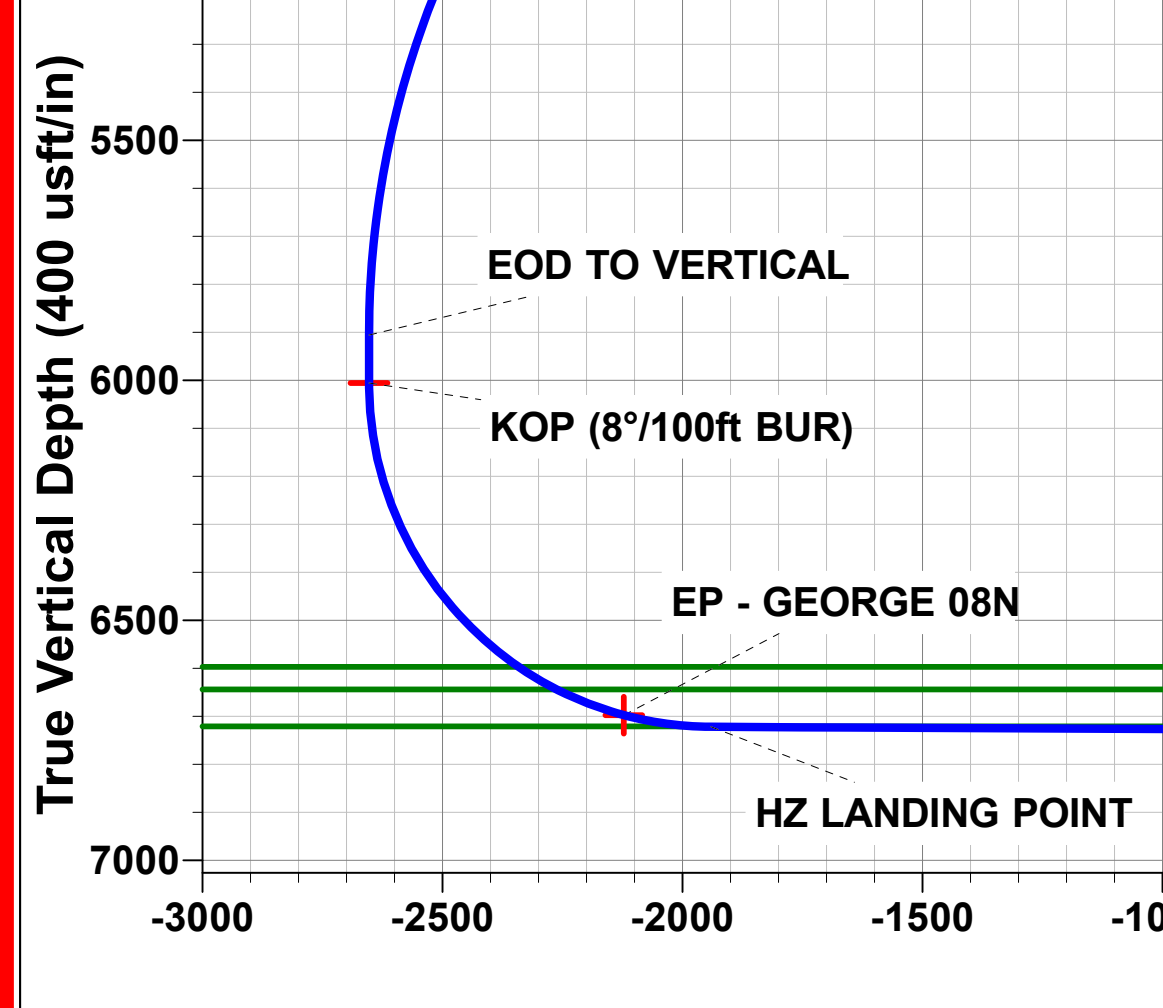
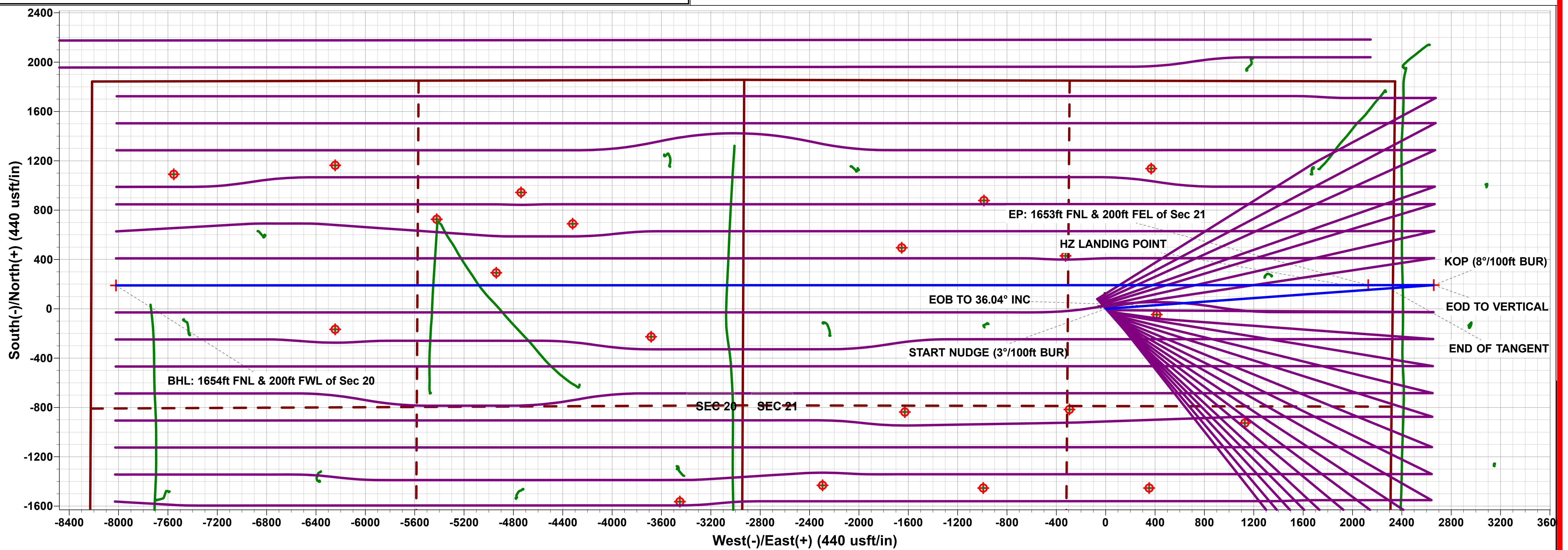
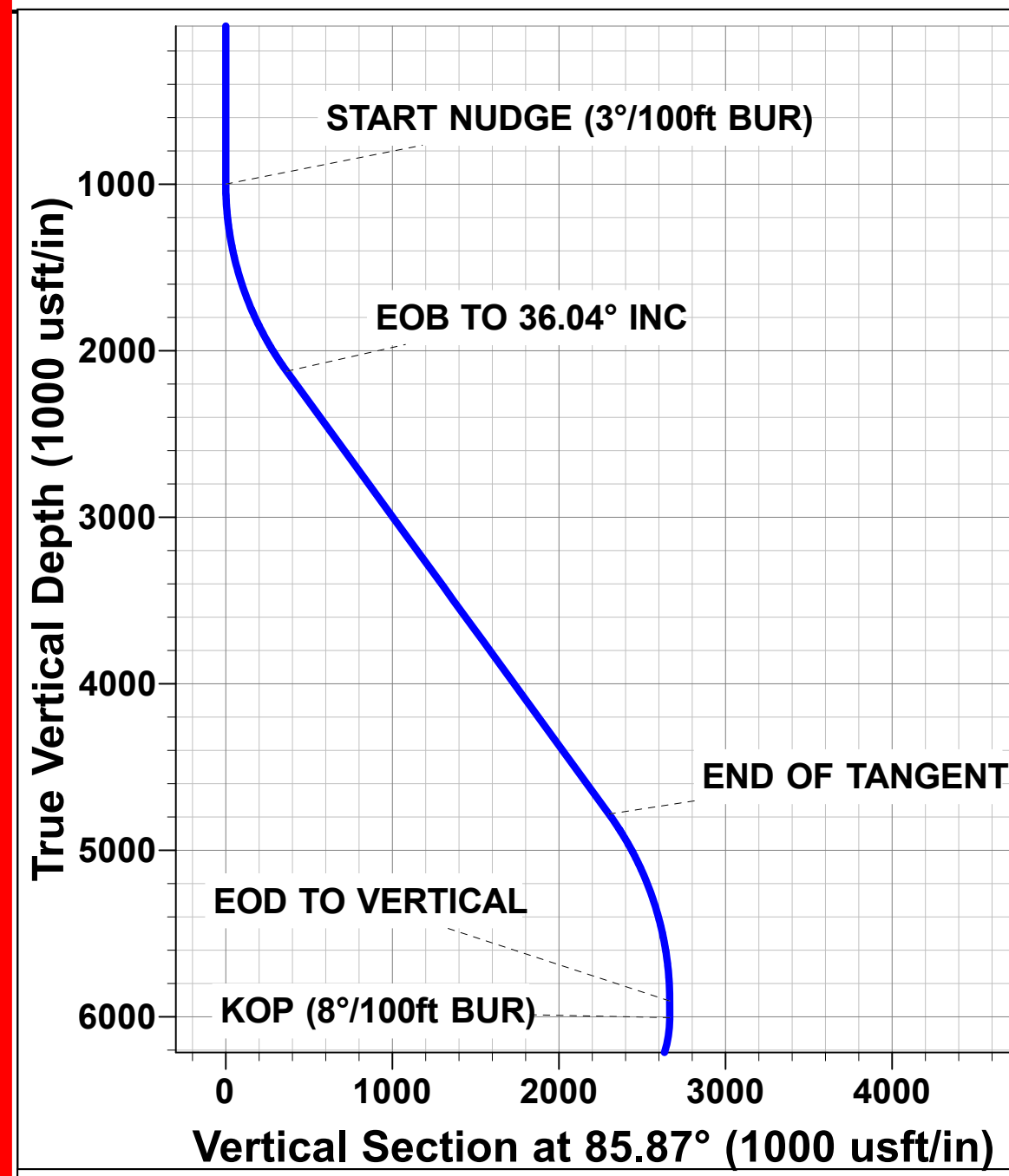


Azimuths to True North
 Magnetic North: 7.73°

Magnetic Field
 Strength: 51929.4nT
 Dip Angle: 66.61°
 Date: 2021-05-28
 Model: IGRF2020

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - GEORGE 08N	6772.00	189.65	-8021.04	1353673.11	3255652.71	40.300606	-104.583399
EP - GEORGE 08N	6697.60	192.02	2127.40	1353783.66	3265800.11	40.300616	-104.547015
KOP - GEORGE 08N	6005.81	192.11	2658.23	1353789.41	3266330.89	40.300616	-104.545112



Vertical Section at 271.35° (400 usft/in)

PDC ENERGY

**WELD COUNTY, COLORADO (TRUE)
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)
GEORGE 08N**

**ORIGINAL WELLBORE
PROPOSAL #1**

Anticollision Report

29 May, 2021

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 9,999.98usft	Error Surface:	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	2021-05-29		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,878.45	PROPOSAL #1 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
ABDN DD BALBOA C20-24D - Wellbore #1 - Wellbore #	15,359.51	6,987.01	2,261.26	2,014.96	9.181	CC
ABDN DD BALBOA C20-24D - Wellbore #1 - Wellbore #	15,400.00	6,986.56	2,261.62	2,014.13	9.138	ES
ABDN DD BALBOA C20-24D - Wellbore #1 - Wellbore #	15,700.00	6,983.21	2,286.75	2,032.84	9.006	SF
ABDN DD DINNEL C27-28D - Wellbore #1 - Wellbore #1	6,674.45	5,921.04	4,227.11	4,160.15	63.131	CC
ABDN DD DINNEL C27-28D - Wellbore #1 - Wellbore #1	6,690.25	5,937.66	4,227.14	4,160.15	63.095	ES
ABDN DD DINNEL C27-28D - Wellbore #1 - Wellbore #1	6,850.00	6,105.31	4,229.03	4,161.72	62.828	SF
ABDN DD DINNEL C27-29D - Wellbore #1 - Wellbore #1	6,727.38	5,971.30	3,622.42	3,560.99	58.972	CC
ABDN DD DINNEL C27-29D - Wellbore #1 - Wellbore #1	6,790.98	6,035.88	3,622.43	3,560.97	58.942	ES
ABDN DD DINNEL C27-29D - Wellbore #1 - Wellbore #1	6,800.00	6,045.76	3,622.45	3,560.98	58.939	SF
ABDN DD HANSCOME C28-29D - Wellbore #1 - Wellbo	11,461.92	6,879.93	3,547.16	3,395.67	23.415	CC
ABDN DD HANSCOME C28-29D - Wellbore #1 - Wellbo	11,500.00	6,878.95	3,547.36	3,394.97	23.277	ES
ABDN DD HANSCOME C28-29D - Wellbore #1 - Wellbo	12,400.00	6,855.18	3,669.04	3,500.13	21.721	SF
ABDN DD LEONARD C21-16 - Wellbore #1 - Wellbore #	3,571.64	3,150.02	2,909.87	2,877.05	88.660	CC
ABDN DD LEONARD C21-16 - Wellbore #1 - Wellbore #	3,700.00	3,241.24	2,911.02	2,876.26	83.738	ES
ABDN DD LEONARD C21-16 - Wellbore #1 - Wellbore #	9,300.00	6,736.99	3,310.71	3,222.92	37.711	SF
ABDN VERT BALBOA 20-3 - Wellbore #1 - Wellbore #1	14,577.94	6,749.49	1,654.08	1,444.25	7.883	CC
ABDN VERT BALBOA 20-3 - Wellbore #1 - Wellbore #1	14,600.00	6,749.59	1,654.22	1,443.82	7.862	ES
ABDN VERT BALBOA 20-3 - Wellbore #1 - Wellbore #1	14,700.00	6,750.04	1,658.57	1,446.08	7.805	SF
ABDN VERT BALBOA C20-2 - Wellbore #1 - Design #1	13,308.89	6,741.75	1,754.18	1,444.94	5.672	CC, ES
ABDN VERT BALBOA C20-2 - Wellbore #1 - Design #1	13,500.00	6,742.71	1,764.56	1,451.30	5.633	SF
ABDN VERT CHENOWETH #2 - Wellbore #1 - Wellbore	17,452.79	6,823.17	2,956.47	2,668.29	10.259	CC
ABDN VERT CHENOWETH #2 - Wellbore #1 - Wellbore	17,500.00	6,823.70	2,956.85	2,667.40	10.215	ES
ABDN VERT CHENOWETH #2 - Wellbore #1 - Wellbore	17,878.45	6,827.95	2,986.95	2,690.36	10.071	SF
ABDN VERT CPC OSTER 19-1 - Wellbore #1 - Wellbore	17,878.45	6,860.03	1,309.93	1,096.29	6.131	CC, ES, SF
ABDN VERT HANSCOME C21-18 - Wellbore #1 - Desig	10,183.00	6,709.16	238.00	7.37	1.032	Level 3, CC, ES, SF
ABDN VERT HANSCOME C21-19 - Wellbore #1 - Desig	11,510.41	6,727.75	303.55	40.99	1.156	Level 3, CC, ES, SF
ABDN VERT HANSCOME C28-1 - Wellbore #1 - Design	1,000.00	1,015.00	4,211.86	4,189.64	189.561	CC
ABDN VERT HANSCOME C28-1 - Wellbore #1 - Design	11,000.00	6,752.21	4,285.62	4,035.07	17.105	ES
ABDN VERT HANSCOME C28-1 - Wellbore #1 - Design	12,100.00	6,757.69	4,460.03	4,187.36	16.357	SF
ABDN VERT HIGHLAND 11-20 - Wellbore #1 - Wellbore	16,219.17	6,778.02	1,510.52	1,256.29	5.941	CC, ES
ABDN VERT HIGHLAND 11-20 - Wellbore #1 - Wellbore	16,300.00	6,778.70	1,512.68	1,256.66	5.908	SF
ABDN VERT JOHNSON C29-29 - Wellbore #1 - Design	16,825.48	6,822.59	3,803.57	3,397.61	9.369	CC
ABDN VERT JOHNSON C29-29 - Wellbore #1 - Design	16,900.00	6,822.98	3,804.30	3,396.33	9.325	ES
ABDN VERT JOHNSON C29-29 - Wellbore #1 - Design	17,400.00	6,825.54	3,846.71	3,428.29	9.193	SF
ABDN VERT LEONARD #1 - Wellbore #1 - Wellbore #1	1,667.20	1,629.47	2,787.41	2,782.41	557.656	CC
ABDN VERT LEONARD #1 - Wellbore #1 - Wellbore #1	1,800.00	1,754.81	2,787.78	2,781.92	475.490	ES

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

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
ABDN VERT LEONARD #1 - Wellbore #1 - Wellbore #1	10,700.00	6,650.77	3,210.04	3,106.98	31.147	SF
ABDN VERT LEONARD 21-1414 - Wellbore #1 - Design	1,000.00	1,016.00	2,963.16	2,940.98	133.603	CC
ABDN VERT LEONARD 21-1414 - Wellbore #1 - Design	10,900.00	6,752.72	2,979.25	2,731.12	12.007	ES
ABDN VERT LEONARD 21-1414 - Wellbore #1 - Design	11,500.00	6,755.70	3,046.41	2,786.18	11.707	SF
ABDN VERT LEONARD 21-614 - Wellbore #1 - Wellbore	10,846.86	6,714.30	330.85	217.83	2.927	CC, ES, SF
ABDN VERT PREBISH #1 - Wellbore #1 - Design #1	16,101.52	6,774.90	973.17	587.95	2.526	CC, ES, SF
ABDN VERT PREBISH #2 - Wellbore #1 - Wellbore #1	17,331.34	6,818.89	277.59	-7.33	0.974	Level 3, CC, ES, SF
ABDN VERT TODD #1 - Wellbore #1 - Wellbore #1	13,435.15	6,688.82	1,052.88	873.37	5.865	CC, ES
ABDN VERT TODD #1 - Wellbore #1 - Wellbore #1	13,500.00	6,688.96	1,054.88	874.12	5.836	SF
ABDN VERT TODD #2 - Wellbore #1 - Design #1	14,796.57	6,751.26	101.84	-247.13	0.292	Level 3, CC, ES, SF
ABDN VERT UPRC #29-4H - Wellbore #1 - Design #1	17,570.67	6,834.42	4,285.84	3,859.14	10.044	CC
ABDN VERT UPRC #29-4H - Wellbore #1 - Design #1	17,700.00	6,835.08	4,287.79	3,857.64	9.968	ES
ABDN VERT UPRC #29-4H - Wellbore #1 - Design #1	17,878.45	6,836.00	4,296.88	3,862.46	9.891	SF
ABDN VERT VICTOR C19-9 - Wellbore #1 - Wellbore #1	17,878.45	6,853.33	1,768.03	1,513.01	6.933	CC, ES, SF
ABDN VERT VICTOR C29-4 - Wellbore #1 - Design #1	17,428.68	4,554.00	4,852.92	4,520.42	14.595	CC
ABDN VERT VICTOR C29-4 - Wellbore #1 - Design #1	17,500.00	4,554.00	4,853.44	4,519.21	14.521	ES
ABDN VERT VICTOR C29-4 - Wellbore #1 - Design #1	17,878.45	4,554.00	4,873.72	4,531.20	14.229	SF
EXIST DD CHENOWETH C20-25D - Wellbore #1 - Wellb	16,787.37	7,076.05	2,372.35	2,079.11	8.090	CC
EXIST DD CHENOWETH C20-25D - Wellbore #1 - Wellb	16,800.00	7,076.13	2,372.38	2,078.89	8.083	ES
EXIST DD CHENOWETH C20-25D - Wellbore #1 - Wellb	17,000.00	7,077.43	2,381.86	2,085.44	8.035	SF
EXIST DD HANSCOME C28-28D - Wellbore #1 - Wellbo	0.00	6.96	3,657.52			
EXIST DD HANSCOME C28-28D - Wellbore #1 - Wellbo	10,200.00	6,762.70	3,674.96	3,564.59	33.297	ES
EXIST DD HANSCOME C28-28D - Wellbore #1 - Wellbo	11,500.00	6,758.05	3,932.02	3,798.64	29.481	SF
EXIST DD HANSCOME C28-30D - Wellbore #1 - Wellbo	12,742.93	6,928.40	3,526.66	3,349.26	19.879	CC
EXIST DD HANSCOME C28-30D - Wellbore #1 - Wellbo	12,800.00	6,930.28	3,527.12	3,348.34	19.728	ES
EXIST DD HANSCOME C28-30D - Wellbore #1 - Wellbo	13,600.00	6,910.46	3,629.28	3,436.03	18.780	SF
EXIST DD HANSCOME C29-27D - Wellbore #1 - Wellbo	14,127.89	6,891.80	3,482.85	3,268.12	16.220	CC
EXIST DD HANSCOME C29-27D - Wellbore #1 - Wellbo	14,200.00	6,891.69	3,483.60	3,266.84	16.072	ES
EXIST DD HANSCOME C29-27D - Wellbore #1 - Wellbo	14,900.00	6,890.57	3,567.40	3,335.98	15.415	SF
EXIST DD LONG C20-21D - Wellbore #1 - Wellbore #1	15,331.09	6,992.18	875.83	630.72	3.573	CC, ES
EXIST DD LONG C20-21D - Wellbore #1 - Wellbore #1	15,400.00	6,991.74	878.53	632.15	3.566	SF
EXIST DD LONG C20-22D - Wellbore #1 - Wellbore #1	14,124.07	7,108.25	820.17	598.35	3.697	CC, ES, SF
EXIST DD NOVACEK C28-27D - Wellbore #1 - Wellbore	2,385.97	1,785.18	3,171.50	3,156.07	205.618	CC
EXIST DD NOVACEK C28-27D - Wellbore #1 - Wellbore	2,500.00	1,873.32	3,172.72	3,155.54	184.727	ES
EXIST DD NOVACEK C28-27D - Wellbore #1 - Wellbore	10,600.00	6,829.90	4,077.29	3,961.36	35.170	SF
EXIST HZ HANSCOME C21-79HN - Wellbore #1 - Wellb	12,925.37	9,736.12	41.69	-34.44	0.548	Level 3, CC, ES, SF
EXIST HZ KLINGENBERG C20-780 - SIDETRACK - SID	17,600.00	10,175.00	446.93	317.98	3.466	ES, SF
EXIST HZ KLINGENBERG C20-780 - SIDETRACK - SID	17,600.04	10,175.00	446.93	317.98	3.466	CC
EXIST HZ KLINGENBERG C20-780 - VERTICAL PILOT	17,580.19	6,824.14	3,364.66	3,060.81	11.074	CC
EXIST HZ KLINGENBERG C20-780 - VERTICAL PILOT	17,700.00	6,824.16	3,366.79	3,059.84	10.968	ES
EXIST HZ KLINGENBERG C20-780 - VERTICAL PILOT	17,878.45	6,824.19	3,377.85	3,067.04	10.868	SF
EXIST HZ THOMPSON C28-79HN - Wellbore #1 - Wellb	12,763.43	10,884.00	4,145.90	3,971.39	23.758	CC
EXIST HZ THOMPSON C28-79HN - Wellbore #1 - Wellb	12,900.00	10,884.00	4,148.15	3,970.63	23.367	ES
EXIST HZ THOMPSON C28-79HN - Wellbore #1 - Wellb	14,700.00	10,884.00	4,575.87	4,351.43	20.387	SF
EXIST VERT API #20-614 - Wellbore #1 - Design #1	16,102.22	6,785.90	356.54	-28.85	0.925	Level 3, CC, ES, SF
EXIST VERT API 20-414 - Wellbore #1 - Design #1	13,449.70	6,814.59	901.04	479.17	2.136	CC, ES, SF
EXIST VERT BALBOA 20-1 - Wellbore #1 - Design #1	17,444.90	6,765.44	2,904.24	2,590.94	9.270	CC
EXIST VERT BALBOA 20-1 - Wellbore #1 - Design #1	13,500.00	6,765.71	2,904.76	2,590.02	9.229	ES
EXIST VERT BALBOA 20-1 - Wellbore #1 - Design #1	13,900.00	6,767.73	2,939.68	2,616.53	9.097	SF
EXIST VERT BALBOA C20-23 - Wellbore #1 - Design #1	14,097.40	6,760.72	2,179.01	1,848.38	6.591	CC
EXIST VERT BALBOA C20-23 - Wellbore #1 - Design #1	14,200.00	6,761.24	2,181.42	1,848.24	6.547	ES
EXIST VERT BALBOA C20-23 - Wellbore #1 - Design #1	14,300.00	6,761.75	2,188.41	1,853.20	6.529	SF

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

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
	(usft)	(usft)	(usft)	(usft)		
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
EXIST VERT BALBOA C20-4 - Wellbore #1 - Design #1	14,909.56	6,781.83	2,976.48	2,623.67	8.437	CC
EXIST VERT BALBOA C20-4 - Wellbore #1 - Design #1	15,000.00	6,782.29	2,977.85	2,622.68	8.384	ES
EXIST VERT BALBOA C20-4 - Wellbore #1 - Design #1	15,300.00	6,783.81	3,001.98	2,640.55	8.306	SF
EXIST VERT BALBOA C20-9X - Wellbore #1 - Wellbore	13,326.21	6,700.00	1,478.83	1,302.59	8.391	CC, ES
EXIST VERT BALBOA C20-9X - Wellbore #1 - Wellbore	13,500.00	6,700.00	1,489.01	1,309.38	8.289	SF
EXIST VERT BORYS C22-20 - Wellbore #1 - Design #1	6,790.25	5,944.81	1,414.37	1,254.70	8.858	CC
EXIST VERT BORYS C22-20 - Wellbore #1 - Design #1	6,800.00	5,954.56	1,414.43	1,254.56	8.847	ES
EXIST VERT BORYS C22-20 - Wellbore #1 - Design #1	6,900.00	6,054.13	1,421.23	1,259.48	8.787	SF
EXIST VERT CANTRELL #1 - Wellbore #1 - Design #1	6,790.25	5,926.81	2,349.50	2,183.16	14.124	CC
EXIST VERT CANTRELL #1 - Wellbore #1 - Design #1	6,800.00	5,936.56	2,349.55	2,183.01	14.108	ES
EXIST VERT CANTRELL #1 - Wellbore #1 - Design #1	7,000.00	6,133.57	2,370.76	2,200.69	13.940	SF
EXIST VERT CANTRELL 22-12 - Wellbore #1 - Wellbore	6,650.84	5,785.82	1,544.28	1,484.64	25.892	CC, ES
EXIST VERT CANTRELL 22-12 - Wellbore #1 - Wellbore	6,800.00	5,940.01	1,544.66	1,484.91	25.854	SF
EXIST VERT CONRAD #1 - Wellbore #1 - Design #1	6,790.25	5,919.81	1,944.11	1,792.84	12.852	CC
EXIST VERT CONRAD #1 - Wellbore #1 - Design #1	6,800.00	5,929.56	1,944.17	1,792.70	12.835	ES
EXIST VERT CONRAD #1 - Wellbore #1 - Design #1	6,950.00	6,078.24	1,959.31	1,805.05	12.702	SF
EXIST VERT CPC-JOHNSON 29-1 - Wellbore #1 - Desig	13,343.82	6,774.93	4,133.44	3,822.63	13.299	CC
EXIST VERT CPC-JOHNSON 29-1 - Wellbore #1 - Desig	13,500.00	6,775.71	4,136.39	3,821.53	13.137	ES
EXIST VERT CPC-JOHNSON 29-1 - Wellbore #1 - Desig	14,200.00	6,779.24	4,221.17	3,891.59	12.808	SF
EXIST VERT DARLENE DINNEL #1 - Wellbore #1 - Des	6,790.25	5,938.81	3,376.23	3,202.02	19.380	CC
EXIST VERT DARLENE DINNEL #1 - Wellbore #1 - Des	6,800.00	5,948.56	3,376.26	3,201.85	19.358	ES
EXIST VERT DARLENE DINNEL #1 - Wellbore #1 - Des	7,150.00	6,283.62	3,419.30	3,239.15	18.980	SF
EXIST VERT HAMLIN C21-22 - Wellbore #1 - Design #1	3,378.63	3,038.67	1,004.89	919.62	11.786	CC
EXIST VERT HAMLIN C21-22 - Wellbore #1 - Design #1	8,729.68	6,689.00	1,117.84	914.93	5.509	ES
EXIST VERT HAMLIN C21-22 - Wellbore #1 - Design #1	8,800.00	6,689.35	1,120.04	916.08	5.491	SF
EXIST VERT HANSCOME 28-4 - Wellbore #1 - Wellbore	12,194.16	6,767.59	4,408.64	4,262.13	30.093	CC
EXIST VERT HANSCOME 28-4 - Wellbore #1 - Wellbore	12,300.00	6,768.62	4,409.91	4,260.70	29.556	ES
EXIST VERT HANSCOME 28-4 - Wellbore #1 - Wellbore	13,700.00	6,780.65	4,658.68	4,482.59	26.456	SF
EXIST VERT HANSCOME C21-20 - Wellbore #1 - Desig	11,485.68	6,742.63	1,028.36	766.11	3.921	CC
EXIST VERT HANSCOME C21-20 - Wellbore #1 - Desig	11,500.00	6,742.70	1,028.46	765.85	3.916	ES
EXIST VERT HANSCOME C21-20 - Wellbore #1 - Desig	11,600.00	6,743.20	1,034.69	770.32	3.914	SF
EXIST VERT HANSCOME C21-21 - Wellbore #1 - Desig	1,000.00	997.00	867.68	845.84	39.735	CC
EXIST VERT HANSCOME C21-21 - Wellbore #1 - Desig	10,151.47	6,730.01	1,007.93	777.49	4.374	ES
EXIST VERT HANSCOME C21-21 - Wellbore #1 - Desig	10,200.00	6,730.25	1,009.09	777.61	4.359	SF
EXIST VERT HANSCOME C21-24 - Wellbore #1 - Desig	1,000.00	998.00	2,123.93	2,102.09	97.221	CC
EXIST VERT HANSCOME C21-24 - Wellbore #1 - Desig	10,100.00	6,730.75	2,301.95	2,072.64	10.039	ES
EXIST VERT HANSCOME C21-24 - Wellbore #1 - Desig	10,500.00	6,732.73	2,336.90	2,099.83	9.857	SF
EXIST VERT HERBST #1 - Wellbore #1 - Wellbore #1	6,793.46	5,944.55	2,963.26	2,901.74	48.168	CC, ES
EXIST VERT HERBST #1 - Wellbore #1 - Wellbore #1	6,800.00	5,950.09	2,963.26	2,901.74	48.166	SF
EXIST VERT HERBST 22-614 - Wellbore #1 - Design #1	6,790.25	5,937.81	1,202.82	1,063.44	8.630	CC
EXIST VERT HERBST 22-614 - Wellbore #1 - Design #1	6,800.00	5,947.56	1,202.89	1,063.30	8.618	ES
EXIST VERT HERBST 22-614 - Wellbore #1 - Design #1	6,900.00	6,047.13	1,211.21	1,069.56	8.551	SF
EXIST VERT HERBST C22-25 - Wellbore #1 - Wellbore	6,629.63	5,753.08	2,617.53	2,558.24	44.153	CC, ES
EXIST VERT HERBST C22-25 - Wellbore #1 - Wellbore	6,800.00	5,930.14	2,618.68	2,559.30	44.097	SF
EXIST VERT HERBST C27-30 - Wellbore #1 - Design #1	5,340.89	4,616.44	3,780.51	3,636.87	26.320	CC
EXIST VERT HERBST C27-30 - Wellbore #1 - Design #1	7,400.00	6,498.52	3,803.82	3,614.45	20.087	ES
EXIST VERT HERBST C27-30 - Wellbore #1 - Design #1	7,850.00	6,673.03	3,832.38	3,638.45	19.762	SF
EXIST VERT HERBST, CONRAD #1 - Wellbore #1 - Des	6,790.25	5,944.81	4,591.53	4,414.57	25.947	CC
EXIST VERT HERBST, CONRAD #1 - Wellbore #1 - Des	6,850.00	6,004.49	4,592.41	4,414.26	25.779	ES
EXIST VERT HERBST, CONRAD #1 - Wellbore #1 - Des	7,350.00	6,449.29	4,669.20	4,483.65	25.163	SF
EXIST VERT HIGHLAND 12-20 - Wellbore #1 - Wellbore	17,447.23	6,783.11	1,672.58	1,384.67	5.809	CC
EXIST VERT HIGHLAND 12-20 - Wellbore #1 - Wellbore	17,500.00	6,783.03	1,673.41	1,384.22	5.787	ES

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

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
EXIST VERT HIGHLAND 12-20 - Wellbore #1 - Wellbore	17,600.00	6,782.88	1,679.54	1,388.86	5.778	SF
EXIST VERT JOHNSON C29-28 - Wellbore #1 - Design	15,640.73	6,797.55	3,471.58	3,098.73	9.311	CC
EXIST VERT JOHNSON C29-28 - Wellbore #1 - Design	15,700.00	6,797.85	3,472.09	3,097.64	9.273	ES
EXIST VERT JOHNSON C29-28 - Wellbore #1 - Design	16,200.00	6,800.40	3,516.34	3,131.54	9.138	SF
EXIST VERT JOHNSON R C29-2 - Wellbore #1 - Design	14,790.18	6,804.23	4,244.31	3,894.16	12.121	CC
EXIST VERT JOHNSON R C29-2 - Wellbore #1 - Design	14,900.00	6,804.79	4,245.73	3,892.66	12.025	ES
EXIST VERT JOHNSON R C29-2 - Wellbore #1 - Design	15,600.00	6,808.34	4,320.88	3,952.97	11.744	SF
EXIST VERT JOHNSTON #22-4 - Wellbore #1 - Wellbor	6,800.00	5,946.31	910.00	856.97	17.158	SF
EXIST VERT JOHNSTON #22-4 - Wellbore #1 - Wellbor	6,807.18	5,953.49	909.99	856.95	17.159	CC, ES
EXIST VERT JULIE C21-25 - Wellbore #1 - Design #1	11,400.00	6,767.20	2,496.90	2,236.28	9.581	CC
EXIST VERT JULIE C21-25 - Wellbore #1 - Design #1	11,500.00	6,767.70	2,498.90	2,235.84	9.499	ES
EXIST VERT JULIE C21-25 - Wellbore #1 - Design #1	11,800.00	6,769.20	2,528.75	2,259.65	9.397	SF
EXIST VERT KLEIN #1 - Wellbore #1 - Design #1	12,144.90	6,768.92	2,966.63	2,687.22	10.617	CC
EXIST VERT KLEIN #1 - Wellbore #1 - Design #1	12,200.00	6,769.19	2,967.14	2,686.32	10.566	ES
EXIST VERT KLEIN #1 - Wellbore #1 - Design #1	12,700.00	6,771.70	3,018.11	2,726.92	10.365	SF
EXIST VERT KLEIN 21-12 - Wellbore #1 - Design #1	12,152.84	6,744.96	1,622.34	1,343.17	5.811	CC
EXIST VERT KLEIN 21-12 - Wellbore #1 - Design #1	12,200.00	6,745.19	1,623.03	1,342.67	5.789	ES
EXIST VERT KLEIN 21-12 - Wellbore #1 - Design #1	12,300.00	6,745.69	1,629.00	1,346.59	5.768	SF
EXIST VERT LEHFELDT C27-04 - Wellbore #1 - Design	5,760.48	4,957.33	4,482.37	4,327.06	28.860	CC
EXIST VERT LEHFELDT C27-04 - Wellbore #1 - Design	7,100.00	6,250.99	4,489.83	4,304.89	24.277	ES
EXIST VERT LEHFELDT C27-04 - Wellbore #1 - Design	7,800.00	6,657.75	4,541.38	4,348.14	23.502	SF
EXIST VERT LEONARD #2 - Wellbore #1 - Wellbore #1	12,089.00	6,714.62	408.48	264.49	2.837	CC
EXIST VERT LEONARD #2 - Wellbore #1 - Wellbore #1	12,100.00	6,714.67	408.63	264.38	2.833	ES, SF
EXIST VERT LEONARD #3 - Wellbore #1 - Design #1	10,850.11	6,757.47	1,644.57	1,397.50	6.656	CC
EXIST VERT LEONARD #3 - Wellbore #1 - Design #1	10,900.00	6,757.72	1,645.33	1,397.07	6.628	ES
EXIST VERT LEONARD #3 - Wellbore #1 - Design #1	11,000.00	6,758.21	1,651.38	1,401.07	6.597	SF
EXIST VERT LEONARD #4 - Wellbore #1 - Design #1	2,275.15	2,156.35	76.63	23.74	1.449	Level 3, CC
EXIST VERT LEONARD #4 - Wellbore #1 - Design #1	9,443.92	6,702.51	238.65	23.45	1.109	Level 3, ES, SF
EXIST VERT LEONARD 21-10 - Wellbore #1 - Design #1	1,980.94	1,919.38	1,474.77	1,429.95	32.899	CC
EXIST VERT LEONARD 21-10 - Wellbore #1 - Design #1	2,100.00	2,021.18	1,476.06	1,427.98	30.698	ES
EXIST VERT LEONARD 21-10 - Wellbore #1 - Design #1	9,700.00	6,711.78	1,656.31	1,436.17	7.524	SF
EXIST VERT LEONARD 21-1614 - Wellbore #1 - Wellbor	3,316.29	3,011.66	2,466.89	2,442.10	99.509	CC
EXIST VERT LEONARD 21-1614 - Wellbore #1 - Wellbor	3,400.00	3,074.03	2,467.45	2,441.52	95.162	ES
EXIST VERT LEONARD 21-1614 - Wellbore #1 - Wellbor	9,600.00	6,672.85	2,752.00	2,670.34	33.702	SF
EXIST VERT LONG C20-17 - Wellbore #1 - Design #1	14,177.17	6,732.13	498.67	166.44	1.501	CC, ES, SF
EXIST VERT LONG C20-18 - Wellbore #1 - Design #1	15,278.92	6,763.71	535.59	173.04	1.477	Level 3, CC, ES, SF
EXIST VERT LYMAN #1 - Wellbore #1 - Wellbore #1	6,597.39	5,722.75	440.94	393.25	9.246	CC
EXIST VERT LYMAN #1 - Wellbore #1 - Wellbore #1	6,600.00	5,725.37	440.95	393.23	9.242	ES
EXIST VERT LYMAN #1 - Wellbore #1 - Wellbore #1	6,800.00	5,928.30	445.39	396.57	9.123	SF
EXIST VERT NIX #1 - Wellbore #1 - Design #1	3,769.20	3,342.50	4,325.93	4,229.25	44.746	CC
EXIST VERT NIX #1 - Wellbore #1 - Design #1	8,300.00	6,674.90	4,413.93	4,216.52	22.360	ES
EXIST VERT NIX #1 - Wellbore #1 - Design #1	9,700.00	6,681.78	4,642.18	4,425.73	21.447	SF
EXIST VERT NOVACEK #1 - Wellbore #1 - Design #1	1,344.79	1,327.92	4,107.30	4,077.99	140.130	CC
EXIST VERT NOVACEK #1 - Wellbore #1 - Design #1	2,000.00	1,939.93	4,113.45	4,068.03	90.561	ES
EXIST VERT NOVACEK #1 - Wellbore #1 - Design #1	10,900.00	6,721.72	4,499.34	4,256.65	18.540	SF
EXIST VERT OSTER PM C19-8 - Wellbore #1 - Design #1	17,878.45	6,838.00	761.74	541.98	3.466	CC, ES, SF
EXIST VERT PREBISH C20-19 - Wellbore #1 - Wellbore	16,673.71	6,805.71	398.13	131.53	1.493	Level 3, CC, ES, SF
EXIST VERT THOUTT #2 - Wellbore #1 - Wellbore #1	4,199.10	3,855.20	1,758.28	1,721.44	47.719	CC
EXIST VERT THOUTT #2 - Wellbore #1 - Wellbore #1	4,300.00	3,941.30	1,759.23	1,721.02	46.036	ES
EXIST VERT THOUTT #2 - Wellbore #1 - Wellbore #1	8,600.00	6,837.73	1,889.80	1,822.17	27.944	SF
EXIST VERT TODD #20-2 - Wellbore #1 - Design #1	14,595.46	6,747.24	752.77	409.01	2.190	CC
EXIST VERT TODD #20-2 - Wellbore #1 - Design #1	14,600.00	6,747.27	752.78	408.91	2.189	ES, SF

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

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
EXIST VERT TODD 20-8 - Wellbore #1 - Design #1	13,541.58	6,739.92	417.46	102.05	1.324	Level 3, CC, ES, SF
EXIST VERT TRAVELERS 21-814 - Wellbore #1 - Wellbo	8,569.31	6,667.53	65.15	-2.22	0.967	Level 3, CC, ES, SF
EXIST VERT VICTOR C19-16 - Wellbore #1 - Design #1	17,878.45	6,851.00	3,082.59	2,659.87	7.292	CC, ES, SF
GEORGE 01N - ORIGINAL WELLBORE - PROPOSAL #	558.16	556.94	103.51	101.24	45.704	CC
GEORGE 01N - ORIGINAL WELLBORE - PROPOSAL #	600.00	598.27	103.68	101.21	41.888	ES
GEORGE 01N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,121.45	1,536.30	946.30	2.604	SF
GEORGE 02N - ORIGINAL WELLBORE - PROPOSAL #	687.14	686.21	87.35	84.51	30.678	CC
GEORGE 02N - ORIGINAL WELLBORE - PROPOSAL #	700.00	698.91	87.38	84.46	30.012	ES
GEORGE 02N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,000.00	1,314.38	722.25	2.220	SF
GEORGE 03NA - ORIGINAL WELLBORE - PROPOSAL	792.08	791.21	71.60	68.29	21.628	CC
GEORGE 03NA - ORIGINAL WELLBORE - PROPOSAL	800.00	799.03	71.62	68.27	21.380	ES
GEORGE 03NA - ORIGINAL WELLBORE - PROPOSAL	17,878.45	17,952.53	1,096.20	503.99	1.851	SF
GEORGE 04N - ORIGINAL WELLBORE - PROPOSAL #	894.79	894.96	55.45	51.68	14.722	CC
GEORGE 04N - ORIGINAL WELLBORE - PROPOSAL #	900.00	900.11	55.45	51.66	14.626	ES
GEORGE 04N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,988.98	802.77	218.62	1.374	Level 3, SF
GEORGE 05N - ORIGINAL WELLBORE - PROPOSAL #	968.29	968.17	40.85	36.77	10.010	CC, ES
GEORGE 05N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,909.84	657.30	63.50	1.107	Level 3, SF
GEORGE 06N - ORIGINAL WELLBORE - PROPOSAL #	1,031.21	1,031.86	26.32	21.97	6.053	CC
GEORGE 06N - ORIGINAL WELLBORE - PROPOSAL #	17,877.07	17,950.05	444.56	-51.29	0.897	Level 3, ES, SF
GEORGE 07NA - ORIGINAL WELLBORE - PROPOSAL	1,088.54	1,088.90	12.71	8.12	2.770	CC
GEORGE 07NA - ORIGINAL WELLBORE - PROPOSAL	17,878.45	17,841.50	224.73	-183.78	0.550	Level 3, ES, SF
GEORGE 09N - ORIGINAL WELLBORE - PROPOSAL #	1,186.72	1,187.42	11.95	6.91	2.371	CC
GEORGE 09N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,049.82	228.53	-149.92	0.604	Level 3, ES, SF
GEORGE 10N - ORIGINAL WELLBORE - PROPOSAL #	1,264.19	1,264.35	23.85	18.46	4.424	CC
GEORGE 10N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,971.35	438.19	-156.96	0.736	Level 3, ES, SF
GEORGE 11N - ORIGINAL WELLBORE - PROPOSAL #	1,323.36	1,322.82	35.80	30.13	6.309	CC, ES
GEORGE 11N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,997.56	660.99	78.12	1.134	Level 3, SF
GEORGE 12N - ORIGINAL WELLBORE - PROPOSAL #	1,373.48	1,372.10	47.74	41.81	8.054	CC, ES
GEORGE 12N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,949.71	876.37	278.48	1.466	Level 3, SF
GEORGE 13N - ORIGINAL WELLBORE - PROPOSAL #	1,414.13	1,411.71	59.67	53.53	9.721	CC, ES
GEORGE 13N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,994.97	1,097.70	502.76	1.845	SF
GEORGE 14N - ORIGINAL WELLBORE - PROPOSAL #	1,405.18	1,400.00	74.72	68.67	12.343	CC, ES
GEORGE 14N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	17,956.89	1,314.72	717.62	2.202	SF
GEORGE 15NA - ORIGINAL WELLBORE - PROPOSAL	1,337.38	1,328.84	95.04	89.37	16.743	CC, ES
GEORGE 15NA - ORIGINAL WELLBORE - PROPOSAL	17,878.45	17,945.70	1,534.47	938.40	2.574	SF
GEORGE 16N - ORIGINAL WELLBORE - PROPOSAL #	1,195.58	1,188.60	116.95	111.92	23.237	CC
GEORGE 16N - ORIGINAL WELLBORE - PROPOSAL #	1,200.00	1,192.70	116.95	111.90	23.160	ES
GEORGE 16N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,062.11	1,754.16	1,159.18	2.948	SF
GEORGE 17N - ORIGINAL WELLBORE - PROPOSAL #	1,000.00	1,000.00	134.98	130.76	31.995	CC, ES
GEORGE 17N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,030.73	1,971.83	1,376.62	3.313	SF
GEORGE 18N - ORIGINAL WELLBORE - PROPOSAL #	900.00	900.00	149.99	146.22	39.793	CC, ES
GEORGE 18N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,131.81	2,192.04	1,598.39	3.692	SF
GEORGE 19NA - ORIGINAL WELLBORE - PROPOSAL	800.00	799.00	164.99	161.68	49.734	CC, ES
GEORGE 19NA - ORIGINAL WELLBORE - PROPOSAL	17,878.45	18,103.37	2,410.47	1,816.18	4.056	SF
GEORGE 20N - ORIGINAL WELLBORE - PROPOSAL #	700.00	699.00	180.02	177.15	62.769	CC, ES
GEORGE 20N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,242.56	2,629.91	2,037.14	4.437	SF
GEORGE 21N - ORIGINAL WELLBORE - PROPOSAL #	600.00	599.00	194.98	192.56	80.620	CC, ES
GEORGE 21N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,235.18	2,848.20	2,255.80	4.808	SF
GEORGE 22N - ORIGINAL WELLBORE - PROPOSAL #	500.00	498.00	210.02	208.05	106.786	CC, ES
GEORGE 22N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,291.81	3,067.29	2,474.96	5.178	SF
GEORGE 23N - ORIGINAL WELLBORE - PROPOSAL #	400.00	398.00	224.97	223.46	148.285	CC, ES
GEORGE 23N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,418.61	3,287.02	2,695.61	5.558	SF

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

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well GEORGE 08N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4742.00usft
Reference Site:	SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)	MD Reference:	KB 23ft @ 4742.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GEORGE 08N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	Database 1
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE)						
GEORGE 24N - ORIGINAL WELLBORE - PROPOSAL #	300.00	297.00	239.96	238.89	225.229	CC, ES
GEORGE 24N - ORIGINAL WELLBORE - PROPOSAL #	17,878.45	18,451.54	3,505.47	2,914.98	5.937	SF
SW NW SEC. 17 T4N R64W 6th P.M. (DRAKE)						
ABDN VERT CHENOWETH 21-4 - Wellbore #1 - Wellbo	11,864.32	6,687.92	938.91	800.79	6.798	CC
ABDN VERT CHENOWETH 21-4 - Wellbore #1 - Wellbo	11,900.00	6,688.79	939.59	800.73	6.767	ES, SF
ABDN VERT CHENOWETH #1 - Wellbore #1 - Design #1	10,843.95	6,723.44	686.98	440.76	2.790	CC, ES, SF
DRAKE 23N - ORIGINAL WELLBORE - PROPOSAL #1	7,700.00	18,757.30	1,993.45	1,630.59	5.494	ES, SF
DRAKE 23N - ORIGINAL WELLBORE - PROPOSAL #1	17,878.45	8,587.72	1,987.32	1,646.06	5.823	CC
DRAKE 24N - ORIGINAL WELLBORE - PROPOSAL #1	7,700.00	18,931.07	1,847.88	1,482.26	5.054	SF
DRAKE 24N - ORIGINAL WELLBORE - PROPOSAL #1	17,878.45	8,758.58	1,767.13	1,423.15	5.137	CC, ES
EXIST DD CRICKET C22-30D - Wellbore #1 - Wellbore #	4,536.24	3,685.66	1,555.88	1,509.10	33.263	CC
EXIST DD CRICKET C22-30D - Wellbore #1 - Wellbore #	7,500.00	6,660.07	1,569.15	1,493.05	20.620	SF
EXIST DD CRICKET C22-30D - Wellbore #1 - Wellbore #	7,574.97	6,696.55	1,567.80	1,491.87	20.650	ES
EXIST HZ STOCKLEY C22-79HN - Wellbore #1 - Wellbo	7,501.78	8,121.80	135.59	104.86	4.413	CC, ES
EXIST HZ STOCKLEY C22-79HN - Wellbore #1 - Wellbo	7,600.00	8,117.88	172.69	125.66	3.672	SF
EXIST VERT CHENOWETH #21-2 - Wellbore #1 - Desig	9,488.33	6,698.73	945.34	729.40	4.378	CC
EXIST VERT CHENOWETH #21-2 - Wellbore #1 - Desig	9,500.00	6,698.79	945.41	729.28	4.374	ES, SF
EXIST VERT RYANN STATE C21-27 - Wellbore #1 - We	8,711.63	6,670.38	1,743.22	1,672.83	24.765	CC, ES
EXIST VERT RYANN STATE C21-27 - Wellbore #1 - We	9,000.00	6,669.87	1,766.91	1,693.45	24.053	SF
EXIST VERT THOUTT #1 - Wellbore #1 - Wellbore #1	8,188.28	6,667.83	898.67	834.59	14.023	CC, ES
EXIST VERT THOUTT #1 - Wellbore #1 - Wellbore #1	8,200.00	6,667.72	898.75	834.61	14.013	SF

Offset Design: SW NE SEC. 21 T4N R64W 6th P.M. (GEORGE) - ABDN DD BALBOA C20-24D - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 378-MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	36.80	36.80	0.00	0.04	-119.29	-3,274.01	-5,835.43	6,691.14				
100.00	100.00	136.27	136.27	0.09	0.15	-119.30	-3,274.05	-5,835.42	6,691.15	6,690.92	0.24		N/A
200.00	200.00	1,528.84	1,508.24	0.31	4.43	-118.17	-3,095.92	-5,782.33	6,681.03	6,676.68	4.35	1,537.250	
300.00	300.00	1,589.00	1,566.12	0.54	4.72	-118.06	-3,080.06	-5,778.26	6,662.26	6,657.53	4.73	1,407.916	
400.00	400.00	1,683.82	1,657.50	0.76	5.15	-117.90	-3,055.56	-5,771.90	6,643.86	6,638.59	5.27	1,260.892	
500.00	500.00	1,795.10	1,764.80	0.99	5.68	-117.71	-3,027.24	-5,763.70	6,625.09	6,619.19	5.90	1,122.179	
600.00	600.00	1,845.00	1,812.91	1.21	5.93	-117.62	-3,014.41	-5,760.39	6,606.93	6,600.62	6.31	1,046.880	
700.00	700.00	1,921.71	1,886.93	1.44	6.29	-117.49	-2,994.83	-5,755.65	6,589.30	6,582.48	6.83	964.980	
800.00	800.00	2,126.21	2,084.53	1.66	7.28	-117.15	-2,944.30	-5,740.77	6,571.27	6,563.42	7.85	837.109	
900.00	900.00	2,247.06	2,200.94	1.88	7.90	-116.95	-2,913.35	-5,731.14	6,552.18	6,543.61	8.57	764.549	
1,000.00	1,000.00	2,337.53	2,287.91	2.11	8.37	-116.78	-2,889.43	-5,724.09	6,532.90	6,523.73	9.17	712.298	
1,100.00	1,099.95	2,422.06	2,369.21	2.32	8.80	157.70	-2,867.20	-5,717.64	6,516.26	6,506.53	9.73	669.788	
1,200.00	1,199.63	2,571.39	2,512.66	2.54	9.58	158.15	-2,827.26	-5,706.37	6,504.44	6,493.88	10.56	615.941	
1,300.00	1,298.77	2,681.08	2,617.78	2.77	10.17	158.48	-2,797.28	-5,697.37	6,496.59	6,485.33	11.26	577.134	
1,400.00	1,397.08	2,805.26	2,736.48	3.06	10.86	158.83	-2,762.08	-5,687.74	6,493.65	6,481.60	12.06	538.616	
1,412.91	1,409.70	2,815.17	2,745.93	3.10	10.92	158.86	-2,759.24	-5,686.96	6,493.61	6,481.47	12.14	535.106	
1,500.00	1,494.31	2,885.87	2,813.51	3.40	11.30	159.03	-2,739.20	-5,681.40	6,495.62	6,482.93	12.69	512.037	
1,600.00	1,590.18	2,957.00	2,881.49	3.84	11.69	159.15	-2,719.02	-5,675.83	6,502.70	6,489.40	13.30	488.852	
1,700.00	1,684.43	3,000.98	2,923.57	4.37	11.93	159.15	-2,706.64	-5,672.60	6,515.40	6,501.57	13.83	471.090	
1,800.00	1,776.81	3,042.00	2,962.93	5.02	12.15	159.07	-2,695.39	-5,669.97	6,534.00	6,519.62	14.38	454.385	
1,900.00	1,867.06	3,198.25	3,112.92	5.79	12.98	159.34	-2,652.91	-5,659.47	6,557.58	6,542.12	15.46	424.093	

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