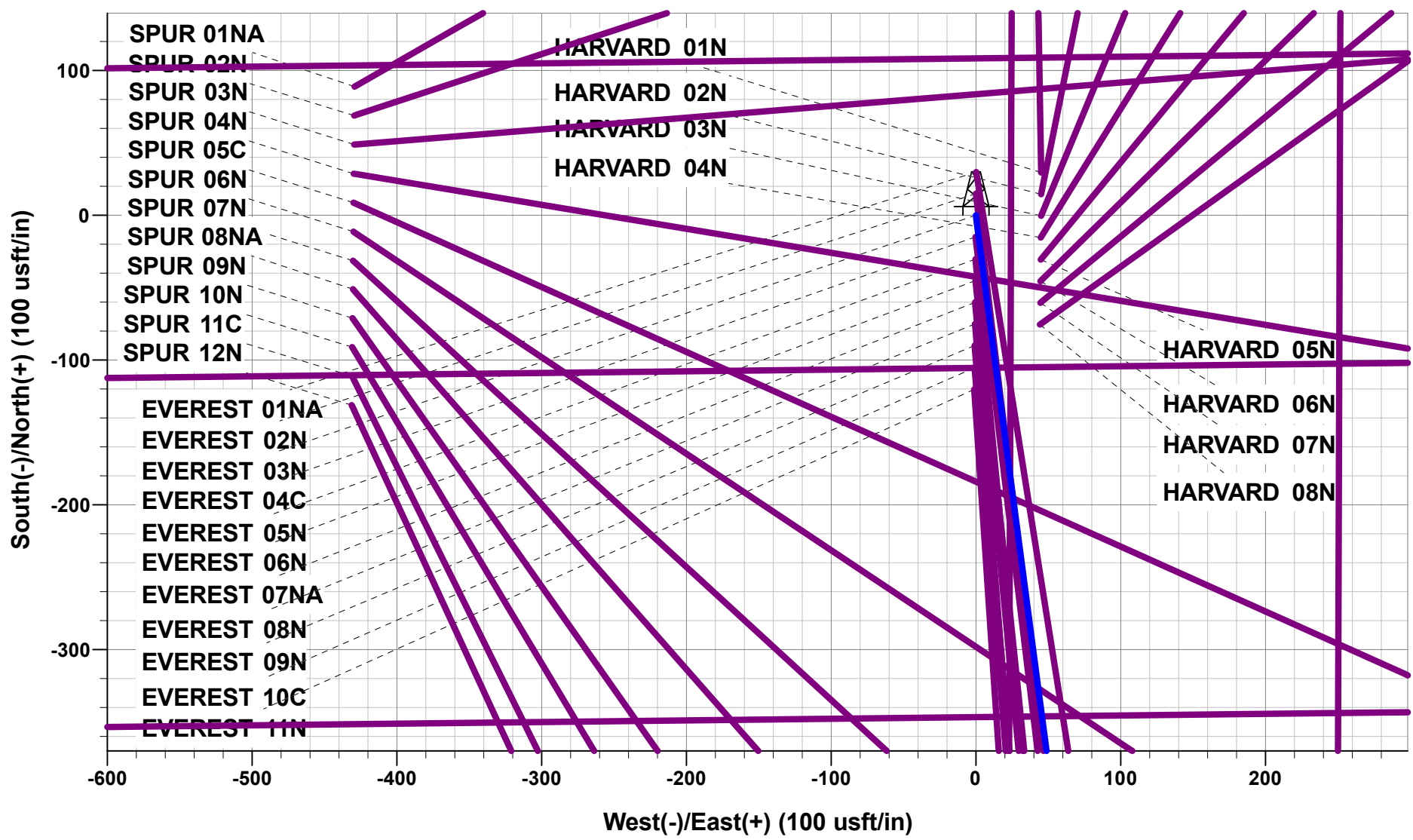




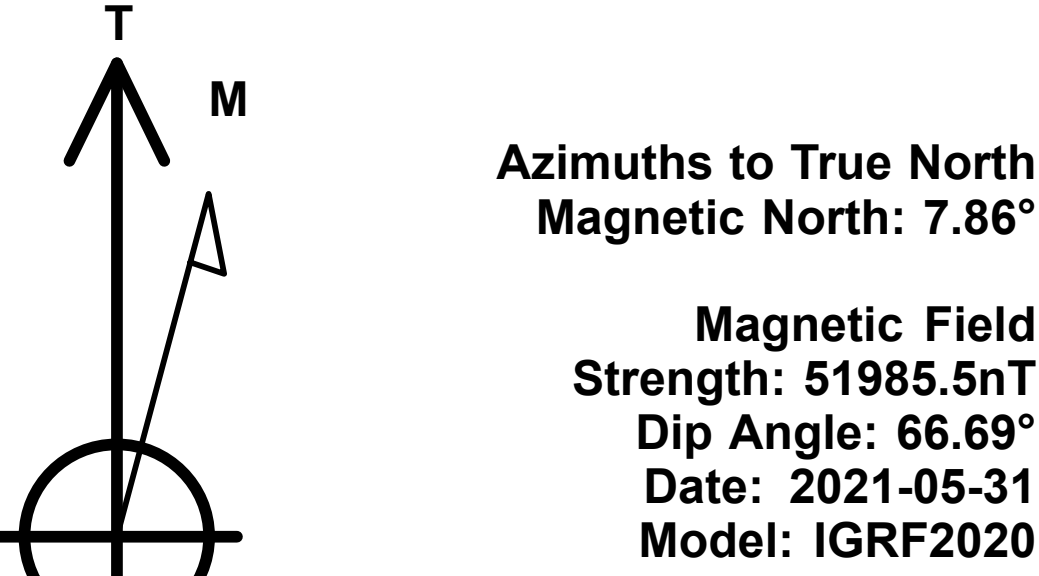
Project: WELD COUNTY, COLORADO (TRUE)
Site: NW NE SEC. 34 T6N R66W 6th P.M.
Well: EVEREST 03N
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

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: 674ft FNL & 2621ft FEL of Sec 34
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	START NUDGE (4°/100ft BUR)
1895.60	31.82	172.48	1855.32	-213.48	28.16	26.98	215.33	EOB TO 31.82° INC
6111.59	31.82	172.48	5437.52	-2417.53	318.94	305.54	2438.48	END OF TANGENT
6907.19	0.00	0.00	6192.84	-2631.01	347.10	332.52	2653.81	EOD TO VERTICAL
7007.19	0.00	0.00	6292.84	-2631.01	347.10	332.52	2653.81	KOP (8°/100ft BUR)
7944.69	75.00	269.45	6984.63	-2636.11	-183.71	847.21	3184.64	EP *NEW*: 2091ft FSL & 2495ft FWL of Sec 34
8139.94	90.62	269.45	7009.00	-2637.97	-376.81	1034.46	3377.75	HZ LANDING POINT
9959.94	90.62	269.45	6989.30	-2655.45	-2196.62	2799.04	5197.65	END OF TANGENT
10122.41	90.62	266.20	6987.55	-2661.62	-2358.94	2957.60	5360.11	EOT TO 266.2° AZ
10222.41	90.62	266.20	6986.46	-2668.24	-2458.72	3055.78	5460.10	END OF TANGENT
10384.90	90.62	269.45	6984.71	-2674.41	-2621.06	3214.37	5622.58	EOT TO 269.45° AZ
18234.89	90.63	269.45	6899.00	-2749.44	-10470.22	10825.20	13472.10	BHL: 2037ft FSL & 2505ft FEL of Sec 32

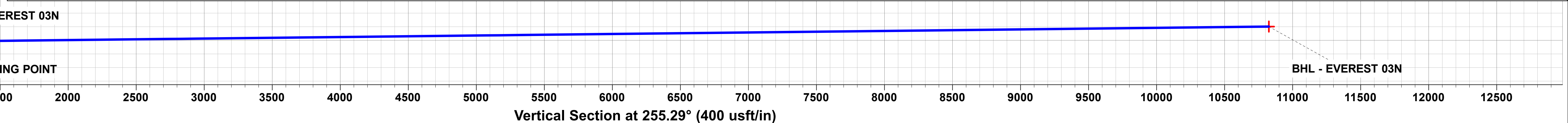
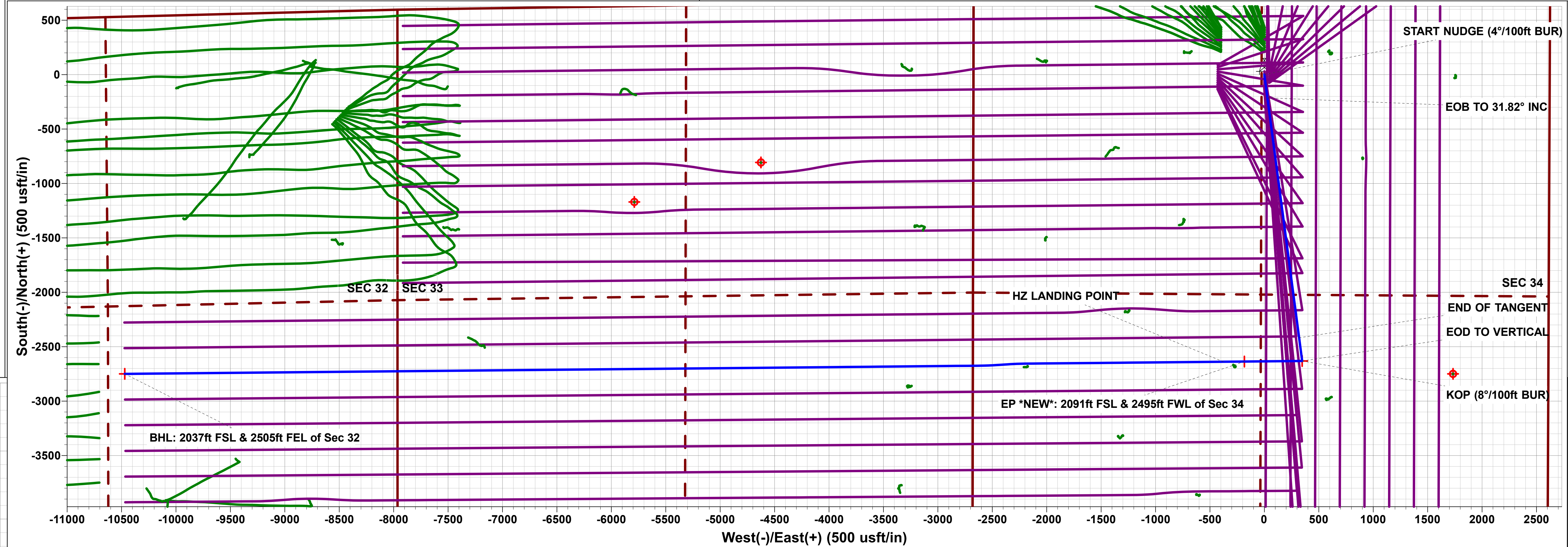
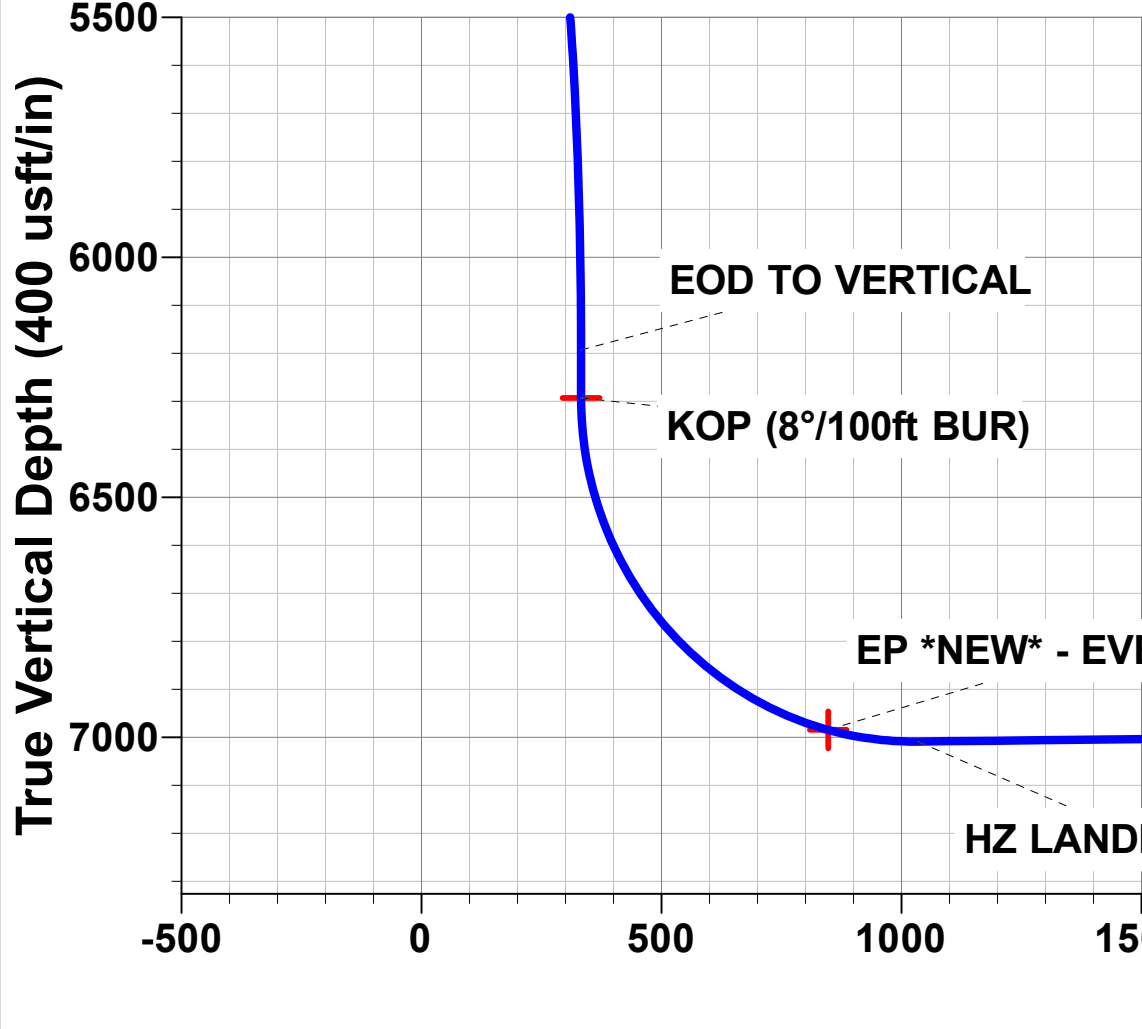
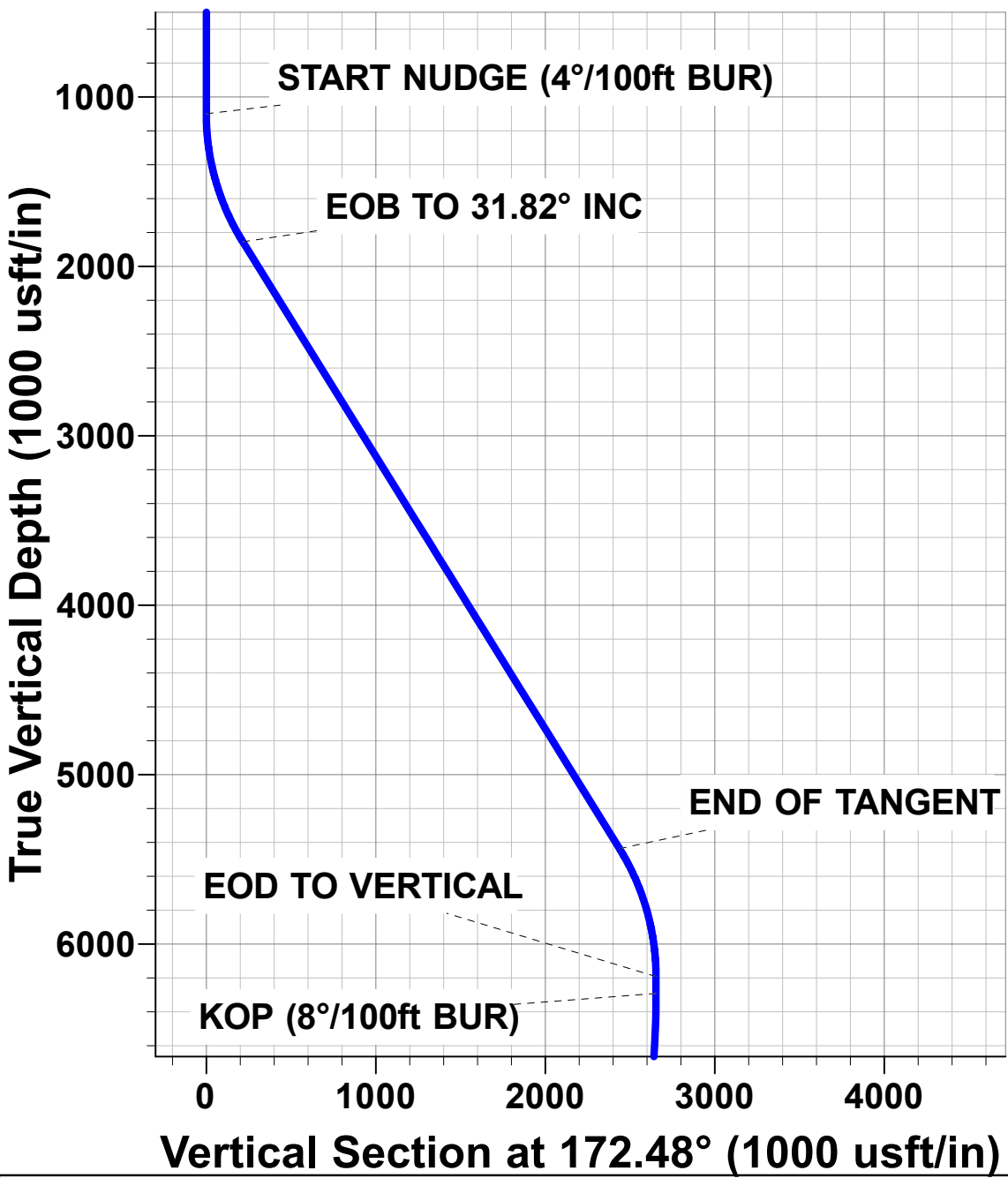


PROPOSED LOCAL COORDINATES:
SHL: 674ft FNL & 2621ft FEL of Sec 34
EP *NEW*: 2091ft FSL & 2495ft FWL of Sec 34
BHL: 2037ft FSL & 2505ft FEL of Sec 32



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - EVEREST 03N	6899.00	-2749.44	-10470.22	1404909.56	3194441.72	40.442776	-104.801403
EP *NEW* - EVEREST 03N	6984.63	-2636.11	-183.71	1405108.27	3204726.56	40.443093	-104.764447
KOP - EVEREST 03N	6292.84	-2631.01	347.10	1405117.78	3205257.29	40.443107	-104.762540



PDC ENERGY

**WELD COUNTY, COLORADO (TRUE)
NW NE SEC. 34 T6N R66W 6th P.M.
EVEREST 03N**

**ORIGINAL WELLBORE
PROPOSAL #1**

Anticollision Report

08 June, 2021

Anticollision Report

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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	2021-06-08		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,234.89	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
ABDN DD AG #32-31D - Wellbore #1 - Wellbore #1	17,731.96	7,100.82	2,623.22	2,310.65	8.392	CC
ABDN DD AG #32-31D - Wellbore #1 - Wellbore #1	17,800.00	7,100.35	2,624.11	2,310.50	8.367	ES
ABDN DD AG #32-31D - Wellbore #1 - Wellbore #1	17,900.00	7,099.67	2,628.60	2,313.89	8.353	SF
ABDN DD AG #32-32D - Wellbore #1 - Wellbore #1	17,676.03	7,243.09	1,415.20	1,104.35	4.553	CC, ES, SF
ABDN DD AG #32-65D - Wellbore #1 - Wellbore #1	17,067.65	7,034.37	2,006.06	1,721.24	7.043	CC
ABDN DD AG #32-65D - Wellbore #1 - Wellbore #1	17,100.00	7,035.06	2,006.32	1,721.20	7.037	ES, SF
ABDN DD AG #33-11D - Wellbore #1 - Wellbore #1	15,257.50	7,004.41	2,592.07	2,373.63	11.866	CC
ABDN DD AG #33-11D - Wellbore #1 - Wellbore #1	15,300.00	7,002.57	2,592.41	2,373.24	11.828	ES
ABDN DD AG #33-11D - Wellbore #1 - Wellbore #1	15,500.00	6,994.07	2,603.36	2,381.55	11.737	SF
ABDN DD SRC #31-5D - Wellbore #1 - Wellbore #1	17,946.36	7,333.72	2,638.65	2,331.11	8.580	CC
ABDN DD SRC #31-5D - Wellbore #1 - Wellbore #1	18,000.00	7,335.24	2,639.19	2,329.65	8.526	ES
ABDN DD SRC #31-5D - Wellbore #1 - Wellbore #1	18,234.89	7,341.96	2,654.37	2,337.43	8.375	SF
ABDN DD SRC #32DD - Wellbore #1 - Wellbore #1	17,215.16	7,090.75	799.98	511.70	2.775	CC, ES
ABDN DD SRC #32DD - Wellbore #1 - Wellbore #1	17,300.00	7,091.80	804.46	511.82	2.749	SF
ABDN DD SRC #44-32D - Wellbore #1 - Wellbore #1	16,542.85	7,270.33	1,196.80	917.40	4.283	CC
ABDN DD SRC #44-32D - Wellbore #1 - Wellbore #1	16,600.00	7,270.68	1,198.16	916.18	4.249	ES
ABDN DD SRC #44-32D - Wellbore #1 - Wellbore #1	16,700.00	7,271.28	1,207.07	922.45	4.241	SF
ABDN VERT AG #32-41 - Wellbore #1 - Wellbore #1	16,560.37	6,897.91	2,856.09	2,602.16	11.247	CC
ABDN VERT AG #32-41 - Wellbore #1 - Wellbore #1	16,600.00	6,897.91	2,856.36	2,601.70	11.216	ES
ABDN VERT AG #32-41 - Wellbore #1 - Wellbore #1	16,900.00	6,897.88	2,876.21	2,617.71	11.127	SF
ABDN VERT AG #33-12 - Wellbore #1 - Wellbore #1	15,292.35	6,892.47	1,315.56	1,097.24	6.026	CC
ABDN VERT AG #33-12 - Wellbore #1 - Wellbore #1	15,300.00	6,892.46	1,315.59	1,097.21	6.024	ES, SF
ABDN VERT BAUER #1-34 - Wellbore #1 - Wellbore #1	145.52	126.52	702.49	702.17	2,252.831	CC
ABDN VERT BAUER #1-34 - Wellbore #1 - Wellbore #1	600.00	578.97	703.54	701.89	425.871	ES
ABDN VERT BAUER #1-34 - Wellbore #1 - Wellbore #1	10,222.41	6,927.76	3,352.62	3,290.92	54.339	SF
ABDN VERT BAUER L #34-20 - Wellbore #1 - Wellbore	9,000.00	6,972.56	466.89	419.20	9.791	SF
ABDN VERT BAUER L #34-20 - Wellbore #1 - Wellbore	9,038.46	6,972.36	465.30	418.02	9.840	CC, ES
ABDN VERT BAUXMAN H #1-27 - Wellbore #1 - Design	1,100.00	1,084.00	2,421.10	2,397.28	101.627	CC, ES
ABDN VERT BAUXMAN H #1-27 - Wellbore #1 - Design	11,000.00	6,962.07	4,202.53	3,975.22	18.488	SF
ABDN VERT BROWN DAVEE #1-34 - Wellbore #1 - We	1,945.68	1,860.22	1,741.40	1,734.54	253.910	CC
ABDN VERT BROWN DAVEE #1-34 - Wellbore #1 - We	2,000.00	1,904.51	1,741.66	1,734.30	236.794	ES
ABDN VERT BROWN DAVEE #1-34 - Wellbore #1 - We	5,200.00	4,642.47	2,427.03	2,395.61	77.242	SF
ABDN VERT BROWN DAVEE #2-34 - Wellbore #1 - We	3,165.87	2,907.73	792.75	773.58	41.335	CC
ABDN VERT BROWN DAVEE #2-34 - Wellbore #1 - We	3,200.00	2,935.72	792.98	773.45	40.609	ES
ABDN VERT BROWN DAVEE #2-34 - Wellbore #1 - We	3,800.00	3,440.60	862.80	838.71	35.815	SF
ABDN VERT BROWN DAVEE #3-34 - Wellbore #1 - We	100.00	67.54	641.05	640.90	4,117.750	CC, ES
ABDN VERT BROWN DAVEE #3-34 - Wellbore #1 - We	9,900.00	7,015.44	3,962.29	3,912.05	78.876	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
ABDN VERT BROWN, HI #1-27 - Wellbore #1 - Wellbore	610.85	587.86	1,324.13	1,322.50	812.850	CC
ABDN VERT BROWN, HI #1-27 - Wellbore #1 - Wellbore	1,100.00	1,074.28	1,324.52	1,321.71	471.489	ES
ABDN VERT BROWN, HI #1-27 - Wellbore #1 - Wellbore	11,200.00	6,900.00	5,576.02	5,508.03	82.014	SF
ABDN VERT BROWN, HI #3-27 - Wellbore #1 - Wellbore	380.81	357.81	2,423.42	2,422.44	2,469.559	CC
ABDN VERT BROWN, HI #3-27 - Wellbore #1 - Wellbore	400.00	374.18	2,423.44	2,422.41	2,358.773	ES
ABDN VERT BROWN, HI #3-27 - Wellbore #1 - Wellbore	11,300.00	6,878.34	6,838.46	6,776.68	110.688	SF
ABDN VERT BROWN, HI #4-27 - Wellbore #1 - Wellbore	0.00	0.00	1,630.63			
ABDN VERT BROWN, HI #4-27 - Wellbore #1 - Wellbore	700.00	680.60	1,632.48	1,630.56	847.590	ES
ABDN VERT BROWN, HI #4-27 - Wellbore #1 - Wellbore	11,600.00	6,896.30	5,221.84	5,137.20	61.692	SF
ABDN VERT DAVIS #33-16 - Wellbore #1 - Wellbore #1	11,125.69	6,915.45	1,150.04	1,047.04	11.165	CC
ABDN VERT DAVIS #33-16 - Wellbore #1 - Wellbore #1	11,200.00	6,913.83	1,152.44	1,046.10	10.837	ES
ABDN VERT DAVIS #33-16 - Wellbore #1 - Wellbore #1	11,400.00	6,909.49	1,182.29	1,068.97	10.434	SF
ABDN VERT DAVIS #33-8 - Wellbore #1 - Wellbore #1	10,963.50	6,970.45	1,285.21	1,186.97	13.082	CC, ES
ABDN VERT DAVIS #33-8 - Wellbore #1 - Wellbore #1	11,000.00	6,970.16	1,285.73	1,187.18	13.046	SF
ABDN VERT DAVIS W #2-33 - Wellbore #1 - Wellbore #	12,478.04	6,969.89	1,315.00	1,175.15	9.403	CC
ABDN VERT DAVIS W #2-33 - Wellbore #1 - Wellbore #	12,500.00	6,970.44	1,315.18	1,174.32	9.337	ES
ABDN VERT DAVIS W #2-33 - Wellbore #1 - Wellbore #	12,800.00	6,977.85	1,353.82	1,203.20	8.988	SF
ABDN VERT FOUR C LAND #2 - Wellbore #1 - Design #	18,234.89	6,885.00	825.55	639.41	4.435	CC, ES, SF
ABDN VERT KELLY #1-3 - Wellbore #1 - Design #1	10,168.35	7,030.05	4,297.63	4,080.56	19.798	CC
ABDN VERT KELLY #1-3 - Wellbore #1 - Design #1	10,222.41	7,029.46	4,297.97	4,079.24	19.650	ES
ABDN VERT KELLY #1-3 - Wellbore #1 - Design #1	11,700.00	7,013.50	4,636.30	4,377.87	17.940	SF
ABDN VERT KELLY #2-3 - Wellbore #1 - Design #1	8,593.88	7,031.08	2,871.68	2,695.33	16.284	CC
ABDN VERT KELLY #2-3 - Wellbore #1 - Design #1	8,700.00	7,029.94	2,873.64	2,694.40	16.032	ES
ABDN VERT KELLY #2-3 - Wellbore #1 - Design #1	9,800.00	7,018.03	3,114.66	2,903.58	14.756	SF
ABDN VERT LOWELL #1-34 - Wellbore #1 - Wellbore #1	7,500.00	6,740.77	1,564.23	1,540.98	67.289	ES
ABDN VERT LOWELL #1-34 - Wellbore #1 - Wellbore #1	7,500.43	6,741.12	1,564.23	1,540.99	67.291	CC
ABDN VERT LOWELL #1-34 - Wellbore #1 - Wellbore #1	9,100.00	6,985.69	2,190.68	2,131.56	37.052	SF
ABDN VERT LOWELL-PAUL DAIRY #2-33 - Wellbore #1	13,649.16	7,052.02	2,552.55	2,379.60	14.759	CC
ABDN VERT LOWELL-PAUL DAIRY #2-33 - Wellbore #1	13,700.00	7,052.58	2,553.06	2,379.21	14.686	ES
ABDN VERT LOWELL-PAUL DAIRY #2-33 - Wellbore #1	14,000.00	7,055.86	2,576.54	2,398.87	14.501	SF
ABDN VERT LUCERO #1-34 - Wellbore #1 - Wellbore #1	8,049.00	6,969.82	30.37	5.05	1.200	Level 3, CC
ABDN VERT LUCERO #1-34 - Wellbore #1 - Wellbore #1	8,050.00	6,969.93	30.38	5.01	1.197	Level 3, ES, SF
ABDN VERT LUCERO #34-10 - Wellbore #1 - Wellbore #	6,897.84	6,227.69	416.51	387.19	14.204	CC
ABDN VERT LUCERO #34-10 - Wellbore #1 - Wellbore #	6,900.00	6,229.83	416.51	387.18	14.202	ES
ABDN VERT LUCERO #34-10 - Wellbore #1 - Wellbore #	7,450.00	6,751.41	501.62	463.76	13.250	SF
ABDN VERT LUCERO #34-6 - Wellbore #1 - Wellbore #1	3,805.21	3,443.40	910.90	884.94	35.091	CC, ES
ABDN VERT LUCERO #34-6 - Wellbore #1 - Wellbore #1	4,500.00	4,039.61	976.45	944.95	31.005	SF
ABDN VERT MCINTYRE #34-16 - Wellbore #1 - Wellbor	7,016.18	6,284.63	2,076.94	2,039.63	55.659	CC, ES
ABDN VERT MCINTYRE #34-16 - Wellbore #1 - Wellbor	7,900.00	6,934.79	2,444.24	2,398.49	53.417	SF
ABDN VERT PRR #32-42 - Wellbore #1 - Wellbore #1	16,304.29	6,898.34	1,212.64	965.94	4.916	CC, ES, SF
ABDN VERT PRR #33-13 - Wellbore #1 - Wellbore #1	15,000.00	6,905.44	288.71	77.13	1.365	Level 3, ES, SF
ABDN VERT PRR #33-13 - Wellbore #1 - Wellbore #1	15,038.79	6,906.72	286.09	77.82	1.374	Level 3, CC
ABDN VERT SRC #34-32 - Wellbore #1 - Wellbore #1	18,013.66	7,022.30	1,101.82	808.22	3.753	CC
ABDN VERT SRC #34-32 - Wellbore #1 - Wellbore #1	18,100.00	7,025.42	1,105.20	807.92	3.718	ES, SF
ABDN VERT STEVENS #34-14 - Wellbore #1 - Wellbore	8,399.40	6,971.69	1,220.36	1,187.40	37.022	CC
ABDN VERT STEVENS #34-14 - Wellbore #1 - Wellbore	8,400.00	6,971.69	1,220.36	1,187.38	37.003	ES
ABDN VERT STEVENS #34-14 - Wellbore #1 - Wellbore	9,300.00	6,963.36	1,516.67	1,454.81	24.519	SF
ABDN VERT TENNYSON #34-12 - Wellbore #1 - Wellbo	9,971.98	6,959.32	31.72	-35.43	0.472	Level 3, CC, ES, SF
ABDN VERT TENNYSON #34-4 - Wellbore #1 - Wellbore	1,123.67	1,107.19	2,001.37	1,998.29	651.014	CC, ES
ABDN VERT TENNYSON #34-4 - Wellbore #1 - Wellbore	10,900.00	6,949.91	3,011.83	2,927.94	35.900	SF
ABDN VERT TENNYSON 1 #34-19 - Wellbore #1 - Wellb	2,387.45	2,240.35	1,446.63	1,435.24	126.938	CC
ABDN VERT TENNYSON 1 #34-19 - Wellbore #1 - Wellb	2,500.00	2,338.22	1,447.66	1,435.12	115.440	ES
ABDN VERT TENNYSON 1 #34-19 - Wellbore #1 - Wellb	9,900.00	7,053.26	2,034.28	1,972.59	32.979	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
ABDN VERT TENNYSON I #34-25 - Wellbore #1 - Wellb	9,112.24	6,967.02	678.37	629.38	13.846	CC, ES
ABDN VERT TENNYSON I #34-25 - Wellbore #1 - Wellb	9,400.00	6,963.69	736.87	674.55	11.824	SF
ABDN VERT W DAVIS #1-33 - Wellbore #1 - Wellbore #	11,032.70	6,951.28	177.00	79.04	1.807	CC, ES, SF
ABDN VERT WILLIAMS #1-34 - Wellbore #1 - Design #1	9,752.94	6,969.54	1,527.03	1,323.34	7.497	CC
ABDN VERT WILLIAMS #1-34 - Wellbore #1 - Design #1	9,800.00	6,969.03	1,527.76	1,322.24	7.433	ES
ABDN VERT WILLIAMS #1-34 - Wellbore #1 - Design #1	10,200.00	6,964.71	1,582.42	1,362.97	7.211	SF
ABDN VERT WILLIAMS #2-34 - Wellbore #1 - Wellbore	9,752.50	6,958.96	1,160.51	1,094.93	17.697	CC, ES
ABDN VERT WILLIAMS #2-34 - Wellbore #1 - Wellbore	9,900.00	6,957.08	1,169.84	1,103.17	17.545	SF
ABDN VERT WILLIAMS I 34-13X - Wellbore #1 - Wellbo	10,128.36	6,959.12	1,538.76	1,462.09	20.068	CC
ABDN VERT WILLIAMS I 34-13X - Wellbore #1 - Wellbo	10,200.00	6,958.72	1,540.43	1,461.05	19.407	ES
ABDN VERT WILLIAMS I 34-13X - Wellbore #1 - Wellbo	10,700.00	6,955.85	1,662.39	1,568.25	17.659	SF
EVEREST 01NA - ORIGINAL WELLBORE - PROPOSAL	1,100.00	1,100.00	29.88	25.21	6.399	CC, ES
EVEREST 01NA - ORIGINAL WELLBORE - PROPOSAL	18,234.89	17,968.91	495.07	49.81	1.112	Level 3, SF
EVEREST 02N - ORIGINAL WELLBORE - PROPOSAL	1,100.00	1,100.00	14.94	10.27	3.200	CC
EVEREST 02N - ORIGINAL WELLBORE - PROPOSAL	18,200.00	18,121.69	236.97	-188.47	0.557	Level 3, ES, SF
EVEREST 04C - ORIGINAL WELLBORE - PROPOSAL	1,000.00	999.00	14.94	10.72	3.543	CC, ES
EVEREST 04C - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,490.67	315.70	49.08	1.184	Level 3, SF
EVEREST 05N - ORIGINAL WELLBORE - PROPOSAL	900.00	899.00	30.24	26.47	8.027	CC
EVEREST 05N - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,464.09	474.45	-31.61	0.938	Level 3, ES, SF
EVEREST 06N - ORIGINAL WELLBORE - PROPOSAL	800.00	799.00	45.18	41.86	13.617	CC, ES
EVEREST 06N - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,561.80	708.17	121.98	1.208	Level 3, SF
EVEREST 07NA - ORIGINAL WELLBORE - PROPOSAL	700.00	699.00	60.11	57.25	20.960	CC, ES
EVEREST 07NA - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,594.14	949.23	359.10	1.609	SF
EVEREST 08N - ORIGINAL WELLBORE - PROPOSAL	600.00	599.00	75.05	72.63	31.032	CC, ES
EVEREST 08N - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,790.87	1,180.71	587.91	1.992	SF
EVEREST 09N - ORIGINAL WELLBORE - PROPOSAL	500.00	499.00	89.99	88.02	45.704	CC, ES
EVEREST 09N - ORIGINAL WELLBORE - PROPOSAL	18,234.89	18,910.92	1,415.86	819.16	2.373	SF
EVEREST 10C - ORIGINAL WELLBORE - PROPOSAL	400.00	399.00	105.29	103.77	69.296	CC, ES
EVEREST 10C - ORIGINAL WELLBORE - PROPOSAL	18,234.89	19,173.83	1,661.57	1,071.39	2.815	SF
EVEREST 11N - ORIGINAL WELLBORE - PROPOSAL #	300.00	298.00	120.23	119.16	112.612	CC, ES
EVEREST 11N - ORIGINAL WELLBORE - PROPOSAL #	18,234.89	19,132.70	1,888.03	1,292.53	3.171	SF
EXIST HZ AG #32C-31-L - Wellbore #1 - Wellbore #1	18,234.89	10,084.72	966.93	592.35	2.581	CC, ES, SF
EXIST HZ AG #5N-31A-L - Wellbore #1 - Wellbore #1	18,234.89	9,865.86	1,226.55	849.99	3.257	CC, ES, SF
EXIST HZ AG STATE #30N-31B-L - Wellbore #1 - Wellbo	18,117.56	9,724.00	3,156.14	2,784.71	8.497	CC
EXIST HZ AG STATE #30N-31B-L - Wellbore #1 - Wellbo	18,234.89	9,790.60	3,157.20	2,781.09	8.394	ES, SF
EXIST HZ AG STATE #31C-31-L - Wellbore #1 - Wellbor	17,793.49	9,586.66	1,823.81	1,470.91	5.168	CC
EXIST HZ AG STATE #31C-31-L - Wellbore #1 - Wellbor	18,234.89	9,967.52	1,836.07	1,462.31	4.912	ES, SF
EXIST HZ AG STATE #31N-31B-L - Wellbore #1 - Wellbo	18,234.89	9,959.61	1,630.72	1,250.13	4.285	CC, ES, SF
EXIST HZ AG STATE #31N-31C-L - Wellbore #1 - Wellbo	18,042.48	9,740.97	2,066.16	1,699.00	5.627	CC
EXIST HZ AG STATE #31N-31C-L - Wellbore #1 - Wellbo	18,234.89	9,889.63	2,069.36	1,693.60	5.507	ES, SF
EXIST HZ AG STATE #32N-31C-L - Wellbore #1 - Wellbo	18,234.89	10,089.30	740.63	360.26	1.947	CC, ES, SF
EXIST HZ AG STATE #4C-31-L - Wellbore #1 - Wellbore	18,234.89	10,112.82	2,165.94	1,785.32	5.691	CC, ES, SF
EXIST HZ AG STATE #4N-31B-L - Wellbore #1 - Wellbor	17,429.93	9,032.50	2,331.60	1,998.10	6.991	CC
EXIST HZ AG STATE #4N-31B-L - Wellbore #1 - Wellbor	18,234.89	9,945.87	2,342.09	1,960.85	6.143	ES, SF
EXIST HZ AG STATE #4N-31C-L - Wellbore #1 - Wellbor	18,234.89	10,094.00	2,697.41	2,313.15	7.020	CC, ES, SF
EXIST HZ AG STATE #5C-31-L - Wellbore #1 - Wellbore	15,732.83	7,532.24	1,413.20	1,160.47	5.592	CC
EXIST HZ AG STATE #5C-31-L - Wellbore #1 - Wellbore	18,234.89	10,176.87	1,413.48	1,032.07	3.706	ES, SF
EXIST HZ AG STATE 30C-31-L - Wellbore #1 - Wellbore	18,234.89	10,339.00	2,913.32	2,526.25	7.527	CC, ES, SF
EXIST HZ BEEBE #10N-29B-L - Wellbore #1 - Wellbore	331.25	337.25	349.83	348.53	268.338	CC, ES
EXIST HZ BEEBE #10N-29B-L - Wellbore #1 - Wellbore	18,234.89	16,564.00	4,923.36	4,349.18	8.575	SF
EXIST HZ BEEBE #10N-29C-L - Wellbore #1 - Wellbore	341.90	347.91	368.97	367.64	277.396	CC
EXIST HZ BEEBE #10N-29C-L - Wellbore #1 - Wellbore	400.00	405.00	369.13	367.55	233.616	ES
EXIST HZ BEEBE #10N-29C-L - Wellbore #1 - Wellbore	18,234.89	16,972.19	5,181.80	4,597.52	8.869	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
EXIST HZ BEEBE #11C-26-M - Wellbore #1 - Wellbore #	252.59	255.60	530.37	529.43	560.921	CC
EXIST HZ BEEBE #11C-26-M - Wellbore #1 - Wellbore #	300.00	301.40	530.46	529.31	462.926	ES
EXIST HZ BEEBE #11C-26-M - Wellbore #1 - Wellbore #	12,400.00	6,820.37	5,555.74	5,405.67	37.020	SF
EXIST HZ BEEBE #11N-26A-M - Wellbore #1 - Wellbore	299.90	302.91	543.76	542.61	473.318	CC
EXIST HZ BEEBE #11N-26A-M - Wellbore #1 - Wellbore	300.00	303.00	543.76	542.61	473.143	ES
EXIST HZ BEEBE #11N-26A-M - Wellbore #1 - Wellbore	12,900.00	6,453.00	5,988.37	5,833.39	38.640	SF
EXIST HZ BEEBE #11N-26C-M - Wellbore #1 - Wellbore	305.60	308.60	557.76	556.58	474.187	CC, ES
EXIST HZ BEEBE #11N-26C-M - Wellbore #1 - Wellbore	12,700.00	6,732.00	6,054.05	5,896.26	38.367	SF
EXIST HZ BEEBE #14C-26-M - Wellbore #1 - Wellbore #	587.03	590.04	480.79	478.38	199.794	CC
EXIST HZ BEEBE #14C-26-M - Wellbore #1 - Wellbore #	600.00	602.20	480.80	478.34	195.382	ES
EXIST HZ BEEBE #15C-29-L - Wellbore #1 - Wellbore #	11,600.00	6,732.00	4,484.67	4,355.49	34.715	SF
EXIST HZ BEEBE #14N-26B-M - Wellbore #1 - Wellbore	496.26	499.26	493.43	491.42	245.648	CC
EXIST HZ BEEBE #14N-26B-M - Wellbore #1 - Wellbore	500.00	502.85	493.43	491.41	243.713	ES
EXIST HZ BEEBE #14N-26B-M - Wellbore #1 - Wellbore	11,800.00	6,597.16	4,767.57	4,634.11	35.724	SF
EXIST HZ BEEBE #15C-29-L - Wellbore #1 - Wellbore #	524.87	529.88	267.74	265.62	126.149	CC, ES
EXIST HZ BEEBE #15C-29-L - Wellbore #1 - Wellbore #	18,234.89	16,849.00	4,069.95	3,488.17	6.996	SF
EXIST HZ BEEBE #15N-29C-L - Wellbore #1 - Wellbore	417.88	423.88	288.77	287.11	173.988	CC
EXIST HZ BEEBE #15N-29C-L - Wellbore #1 - Wellbore	500.00	505.06	288.82	286.81	143.505	ES
EXIST HZ BEEBE #15N-29C-L - Wellbore #1 - Wellbore	18,234.89	16,149.60	4,255.96	3,683.87	7.439	SF
EXIST HZ BEEBE #23C-26-M - Wellbore #1 - Wellbore #	403.03	406.04	503.56	501.96	314.782	CC
EXIST HZ BEEBE #23C-26-M - Wellbore #1 - Wellbore #	500.00	498.93	503.87	501.86	250.516	ES
EXIST HZ BEEBE #23C-26-M - Wellbore #1 - Wellbore #	12,200.00	6,640.00	5,148.98	5,009.12	36.816	SF
EXIST HZ BEEBE #23C-29-L - Wellbore #1 - Wellbore #	0.00	6.00	330.08			
EXIST HZ BEEBE #23C-29-L - Wellbore #1 - Wellbore #	100.00	104.81	330.22	329.94	1,142.390	ES
EXIST HZ BEEBE #23C-29-L - Wellbore #1 - Wellbore #	18,234.89	16,843.00	4,697.00	4,118.10	8.114	SF
EXIST HZ BEEBE #23N-26C-M - Wellbore #1 - Wellbore	175.37	178.37	518.61	517.99	839.181	CC
EXIST HZ BEEBE #23N-26C-M - Wellbore #1 - Wellbore	500.00	497.59	519.33	517.33	258.605	ES
EXIST HZ BEEBE #23N-26C-M - Wellbore #1 - Wellbore	12,400.00	6,734.00	5,391.22	5,244.21	36.672	SF
EXIST HZ BEEBE #23N-26C-M - Wellbore #1 - Wellbore	253.33	258.34	309.80	308.85	325.956	CC
EXIST HZ BEEBE #23N-29A-L - Wellbore #1 - Wellbore	500.00	502.99	310.37	308.36	154.349	ES
EXIST HZ BEEBE #23N-29A-L - Wellbore #1 - Wellbore	18,234.89	16,002.00	4,581.60	4,011.01	8.030	SF
EXIST HZ BEEBE #25C-26-M - Wellbore #1 - Wellbore #	0.00	3.00	572.30			
EXIST HZ BEEBE #25C-26-M - Wellbore #1 - Wellbore #	200.00	200.54	572.59	571.86	779.296	ES
EXIST HZ BEEBE #25C-26-M - Wellbore #1 - Wellbore #	13,400.00	6,545.00	6,573.93	6,409.73	40.034	SF
EXIST HZ BEEBE #25C-29-L - Wellbore #1 - Wellbore #	0.00	6.00	429.91			
EXIST HZ BEEBE #25C-29-L - Wellbore #1 - Wellbore #	200.00	201.34	430.31	429.59	595.246	ES
EXIST HZ BEEBE #25C-29-L - Wellbore #1 - Wellbore #	18,234.89	17,085.00	5,765.29	5,186.28	9.957	SF
EXIST HZ BEEBE #25N-26B-M - Wellbore #1 - Wellbore	216.09	219.09	586.72	585.92	739.451	CC, ES
EXIST HZ BEEBE #25N-26B-M - Wellbore #1 - Wellbore	12,900.00	6,173.00	6,453.52	6,298.00	41.497	SF
EXIST HZ BEEBE #25N-29A-L - Wellbore #1 - Wellbore	163.71	169.71	390.16	389.59	680.667	CC
EXIST HZ BEEBE #25N-29A-L - Wellbore #1 - Wellbore	300.00	303.98	390.42	389.26	336.824	ES
EXIST HZ BEEBE #25N-29A-L - Wellbore #1 - Wellbore	18,234.89	16,581.00	5,469.08	4,893.46	9.501	SF
EXIST HZ BEEBE #25N-29C-L - Wellbore #1 - Wellbore	0.00	6.00	409.87			
EXIST HZ BEEBE #25N-29C-L - Wellbore #1 - Wellbore	200.00	204.56	410.15	409.43	565.754	ES
EXIST HZ BEEBE #25N-29C-L - Wellbore #1 - Wellbore	18,234.89	16,985.00	5,617.76	5,037.20	9.676	SF
EXIST HZ BEEBE #36C-26-M - Wellbore #1 - Wellbore #	669.59	672.62	458.10	455.34	165.671	CC
EXIST HZ BEEBE #36C-26-M - Wellbore #1 - Wellbore #	700.00	700.96	458.17	455.28	158.361	ES
EXIST HZ BEEBE #36C-26-M - Wellbore #1 - Wellbore #	11,400.00	6,829.00	4,009.78	3,887.25	32.724	SF
EXIST HZ BEEBE #36C-29-L - Wellbore #1 - Wellbore #	0.00	5.00	209.49			
EXIST HZ BEEBE #36C-29-L - Wellbore #1 - Wellbore #	400.00	404.18	210.32	208.70	129.782	ES
EXIST HZ BEEBE #36C-29-L - Wellbore #1 - Wellbore #	18,234.89	16,735.00	3,412.29	2,833.31	5.894	SF
EXIST HZ BEEBE #36N-26B-M - Wellbore #1 - Wellbore	0.00	3.00	471.70			
EXIST HZ BEEBE #36N-26B-M - Wellbore #1 - Wellbore	655.75	658.76	473.05	470.35	175.399	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
EXIST HZ BEEBE #36N-26B-M - Wellbore #1 - Wellbore	11,400.00	6,639.00	4,244.57	4,120.38	34.179	SF
EXIST HZ BEEBE #36N-26C-M - ORIGINAL WELLBOR	232.21	235.23	451.53	450.66	519.938	CC
EXIST HZ BEEBE #36N-26C-M - ORIGINAL WELLBOR	300.00	302.33	451.55	450.38	388.327	ES
EXIST HZ BEEBE #36N-26C-M - ORIGINAL WELLBOR	11,100.00	7,250.60	3,724.54	3,603.61	30.798	SF
EXIST HZ BEEBE #36N-26C-M - SIDETRACK - SIDETR	232.21	235.23	451.53	450.66	519.938	CC
EXIST HZ BEEBE #36N-26C-M - SIDETRACK - SIDETR	300.00	302.33	451.55	450.38	388.327	ES
EXIST HZ BEEBE #36N-26C-M - SIDETRACK - SIDETR	11,100.00	6,876.74	3,754.81	3,636.78	31.811	SF
EXIST HZ BEEBE #36N-29A-L - Wellbore #1 - Wellbore	0.00	6.00	249.93			
EXIST HZ BEEBE #36N-29A-L - Wellbore #1 - Wellbore	100.00	105.20	250.06	249.77	863.151	ES
EXIST HZ BEEBE #36N-29A-L - Wellbore #1 - Wellbore	18,234.89	15,917.00	3,840.78	3,274.99	6.788	SF
EXIST HZ BEEBE #36N-29B-L - Wellbore #1 - Wellbore	0.00	5.00	229.89			
EXIST HZ BEEBE #36N-29B-L - Wellbore #1 - Wellbore	300.00	303.65	230.78	229.63	200.210	ES
EXIST HZ BEEBE #36N-29B-L - Wellbore #1 - Wellbore	18,234.89	16,335.00	3,637.50	3,064.86	6.352	SF
EXIST HZ BOOMERANG #25N-3A-L - Wellbore #1 - We	17,577.10	8,023.00	2,300.80	1,981.87	7.214	CC
EXIST HZ BOOMERANG #25N-3A-L - Wellbore #1 - We	17,700.00	7,921.89	2,301.52	1,981.34	7.188	ES
EXIST HZ BOOMERANG #25N-3A-L - Wellbore #1 - We	18,234.89	7,501.51	2,320.05	1,993.54	7.106	SF
EXIST HZ BOOMERANG #25N-3B-L - Wellbore #1 - We	15,145.45	10,535.99	2,176.46	1,860.28	6.884	CC
EXIST HZ BOOMERANG #25N-3B-L - Wellbore #1 - We	15,200.00	10,490.89	2,176.58	1,859.95	6.874	ES
EXIST HZ BOOMERANG #25N-3B-L - Wellbore #1 - We	18,234.89	7,554.00	2,193.16	1,867.08	6.726	SF
EXIST HZ BOOMERANG #28C-3-L - Wellbore #1 - Wellb	8,300.00	18,085.00	4,835.93	4,503.35	14.541	SF
EXIST HZ BOOMERANG #28C-3-L - Wellbore #1 - Wellb	18,234.89	6,183.99	4,671.35	4,373.15	15.665	CC, ES
EXIST HZ BOOMERANG #28N-3A-L - Wellbore #1 - We	17,152.50	8,911.72	4,600.84	4,277.10	14.212	CC
EXIST HZ BOOMERANG #28N-3A-L - Wellbore #1 - We	17,300.00	8,865.00	4,602.86	4,276.02	14.083	ES
EXIST HZ BOOMERANG #28N-3A-L - Wellbore #1 - We	17,600.00	8,806.36	4,617.80	4,284.23	13.844	SF
EXIST HZ KELLY FARMS #12-4-3CHZ - Wellbore #1 - W	13,010.25	7,501.00	4,069.90	3,896.29	23.442	CC
EXIST HZ KELLY FARMS #12-4-3CHZ - Wellbore #1 - W	13,100.00	7,482.82	4,070.86	3,894.65	23.102	ES
EXIST HZ KELLY FARMS #12-4-3CHZ - Wellbore #1 - W	15,000.00	6,610.00	4,337.12	4,118.51	19.840	SF
EXIST HZ KELLY FARMS #22-4-3CHZ - Wellbore #1 - W	13,444.40	6,915.56	4,334.27	4,154.14	24.062	CC
EXIST HZ KELLY FARMS #22-4-3CHZ - Wellbore #1 - W	13,600.00	6,883.00	4,336.87	4,151.89	23.445	ES
EXIST HZ KELLY FARMS #22-4-3CHZ - Wellbore #1 - W	15,100.00	6,672.81	4,619.62	4,398.68	20.909	SF
EXIST HZ KELLY FARMS #A-4-3NHZ - Wellbore #1 - W	13,170.28	7,150.00	3,621.82	3,445.82	20.579	CC
EXIST HZ KELLY FARMS #A-4-3NHZ - Wellbore #1 - W	13,300.00	7,106.32	3,623.16	3,443.46	20.162	ES
EXIST HZ KELLY FARMS #A-4-3NHZ - Wellbore #1 - W	14,700.00	6,655.79	3,842.10	3,629.81	18.098	SF
EXIST HZ KELLY FARMS #A-4-CHZ - Wellbore #1 - We	13,003.90	7,466.00	3,860.78	3,687.96	22.340	CC
EXIST HZ KELLY FARMS #A-4-CHZ - Wellbore #1 - We	13,200.00	7,421.00	3,864.47	3,686.04	21.659	ES
EXIST HZ KELLY FARMS #A-4-CHZ - Wellbore #1 - We	14,800.00	6,665.36	4,089.62	3,875.38	19.088	SF
EXIST HZ ORR STATE #11C-32-M - Wellbore #1 - Wellb	18,234.89	15,926.00	330.14	202.08	2.578	CC, ES, SF
EXIST HZ ORR STATE #11N-32B-M - Wellbore #1 - Wel	18,234.89	15,648.00	435.50	201.71	1.863	CC, ES, SF
EXIST HZ ORR STATE #11N-32C-M - Wellbore #1 - Wel	18,234.89	15,678.00	259.87	170.95	2.922	CC, ES, SF
EXIST HZ ORR STATE #14C-32-M - Wellbore #1 - Wellb	18,234.89	16,048.00	1,503.93	971.37	2.824	CC, ES, SF
EXIST HZ ORR STATE #14N-32C-M - Wellbore #1 - We	18,234.89	15,883.00	1,288.37	761.38	2.445	CC, ES, SF
EXIST HZ ORR STATE #23C-32-M - Wellbore #1 - Wellb	18,234.89	15,891.00	674.45	310.91	1.855	CC, ES, SF
EXIST HZ ORR STATE #23N-32A-M - Wellbore #1 - We	18,234.89	15,121.00	1,026.62	522.26	2.036	CC, ES, SF
EXIST HZ ORR STATE #23N-32B-M - Wellbore #1 - We	18,234.89	15,638.00	816.72	342.78	1.723	CC, ES, SF
EXIST HZ ORR STATE #25C-32-M - Wellbore #1 - Wellb	18,234.89	15,808.00	609.85	224.86	1.584	CC, ES, SF
EXIST HZ ORR STATE #25N-32B-M - Wellbore #1 - We	18,234.89	15,583.00	375.79	163.45	1.770	CC, ES, SF
EXIST HZ ORR STATE #36C-32-M - Wellbore #1 - Wellb	18,234.89	16,175.00	1,934.37	1,392.96	3.573	CC, ES, SF
EXIST HZ ORR STATE #36N-32B-M - Wellbore #1 - We	18,234.89	15,894.00	1,740.38	1,198.61	3.212	CC, ES, SF
EXIST HZ SRC WIEDEMAN #11-5-3NCHZ - Wellbore #1	16,220.05	9,047.94	3,134.70	2,831.00	10.322	CC
EXIST HZ SRC WIEDEMAN #11-5-3NCHZ - Wellbore #1	18,234.89	7,008.05	3,135.76	2,820.89	9.959	ES, SF
EXIST HZ SRC WIEDEMAN #21-5-3CHZ - Wellbore #1	18,234.89	6,885.00	2,475.44	2,161.91	7.895	CC, ES, SF
EXIST HZ SRC WIEDEMAN #21-5-3NBHZ - Wellbore #1	15,273.82	9,925.00	2,908.15	2,604.92	9.591	CC
EXIST HZ SRC WIEDEMAN #21-5-3NBHZ - Wellbore #1	18,234.89	7,011.17	2,913.77	2,598.25	9.235	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
EXIST HZ SRC WIEDEMAN #A-5-3NBHZ - Wellbore #1	17,058.42	8,153.89	3,345.95	3,040.36	10.949	CC
EXIST HZ SRC WIEDEMAN #A-5-3NBHZ - Wellbore #1	17,200.00	8,071.04	3,347.20	3,039.36	10.873	ES
EXIST HZ SRC WIEDEMAN #A-5-3NBHZ - Wellbore #1	18,234.89	6,861.92	3,352.70	3,039.50	10.705	SF
EXIST VERT BAUXMAN #1-33 - Wellbore #1 - Design #1	12,371.43	6,944.22	1,886.65	1,612.04	6.870	CC
EXIST VERT BAUXMAN #1-33 - Wellbore #1 - Design #1	12,400.00	6,943.91	1,886.87	1,611.85	6.861	ES
EXIST VERT BAUXMAN #1-33 - Wellbore #1 - Design #1	12,500.00	6,942.82	1,891.03	1,614.81	6.846	SF
EXIST VERT BAUXMAN #33-6 - Wellbore #1 - Design #1	13,538.13	6,936.53	1,534.83	1,227.97	5.002	CC, ES
EXIST VERT BAUXMAN #33-6 - Wellbore #1 - Design #1	13,600.00	6,935.86	1,536.08	1,228.67	4.997	SF
EXIST VERT BUNN, M #1-34 - Wellbore #1 - Design #1	7,007.19	6,268.84	1,391.20	1,214.36	7.867	CC, ES
EXIST VERT BUNN, M #1-34 - Wellbore #1 - Design #1	7,100.00	6,361.39	1,397.18	1,218.42	7.816	SF
EXIST VERT LOWELL-PAUL DAIRY #1-33 - Wellbore #1	11,069.89	6,928.95	2,775.25	2,674.17	27.455	CC
EXIST VERT LOWELL-PAUL DAIRY #1-33 - Wellbore #1	11,100.00	6,928.93	2,775.41	2,673.76	27.301	ES
EXIST VERT LOWELL-PAUL DAIRY #1-33 - Wellbore #1	11,800.00	6,928.48	2,869.68	2,757.70	25.627	SF
HARVARD 01N - ORIGINAL WELLBORE - PROPOSAL	300.00	300.00	53.89	52.82	50.262	CC
HARVARD 01N - ORIGINAL WELLBORE - PROPOSAL	7,850.00	10,500.46	121.53	32.23	1.361	Level 3, ES, SF
HARVARD 02N - ORIGINAL WELLBORE - PROPOSAL	400.00	400.00	47.38	45.86	31.138	CC, ES
HARVARD 02N - ORIGINAL WELLBORE - PROPOSAL	7,800.00	10,568.79	322.41	223.70	3.266	SF
HARVARD 03N - ORIGINAL WELLBORE - PROPOSAL	500.00	500.00	45.09	43.12	22.874	CC, ES
HARVARD 03N - ORIGINAL WELLBORE - PROPOSAL	7,650.00	10,516.92	420.75	318.77	4.126	SF
HARVARD 04N - ORIGINAL WELLBORE - PROPOSAL	600.00	599.00	47.35	44.93	19.579	CC
HARVARD 04N - ORIGINAL WELLBORE - PROPOSAL	700.00	698.59	47.76	44.90	16.674	ES
HARVARD 04N - ORIGINAL WELLBORE - PROPOSAL	7,600.00	10,608.53	632.78	532.33	6.299	SF
HARVARD 05N - ORIGINAL WELLBORE - PROPOSAL	700.00	699.00	54.26	51.40	18.920	CC
HARVARD 05N - ORIGINAL WELLBORE - PROPOSAL	800.00	798.79	54.44	51.13	16.430	ES
HARVARD 05N - ORIGINAL WELLBORE - PROPOSAL	7,500.00	10,587.49	783.23	681.70	7.714	SF
HARVARD 06N - ORIGINAL WELLBORE - PROPOSAL	823.71	822.71	63.69	60.27	18.606	CC
HARVARD 06N - ORIGINAL WELLBORE - PROPOSAL	1,000.00	998.69	64.06	59.85	15.226	ES
HARVARD 06N - ORIGINAL WELLBORE - PROPOSAL	7,500.00	10,704.87	1,019.00	916.20	9.912	SF
HARVARD 07N - ORIGINAL WELLBORE - PROPOSAL	1,321.02	1,315.50	70.10	64.53	12.592	CC, ES
HARVARD 07N - ORIGINAL WELLBORE - PROPOSAL	7,400.00	10,714.06	1,185.31	1,082.14	11.489	SF
HARVARD 08N - ORIGINAL WELLBORE - PROPOSAL	1,435.44	1,426.62	67.73	61.66	11.168	CC, ES, SF
SPUR 01NA - ORIGINAL WELLBORE - PROPOSAL #1	1,319.36	1,371.45	347.55	340.86	51.954	CC, ES
SPUR 01NA - ORIGINAL WELLBORE - PROPOSAL #1	15,900.00	14,940.13	3,187.66	2,734.40	7.033	SF
SPUR 02N - ORIGINAL WELLBORE - PROPOSAL #1	1,431.73	1,493.49	322.65	315.73	46.637	CC, ES
SPUR 02N - ORIGINAL WELLBORE - PROPOSAL #1	15,800.00	15,131.23	2,963.87	2,510.65	6.540	SF
SPUR 03N - ORIGINAL WELLBORE - PROPOSAL #1	1,552.89	1,619.74	304.67	297.48	42.334	CC, ES
SPUR 03N - ORIGINAL WELLBORE - PROPOSAL #1	15,800.00	15,069.98	2,748.43	2,296.18	6.077	SF
SPUR 04N - ORIGINAL WELLBORE - PROPOSAL #1	1,698.31	1,772.26	402.74	395.10	52.704	CC
SPUR 04N - ORIGINAL WELLBORE - PROPOSAL #1	1,700.00	1,773.80	402.74	395.09	52.631	ES
SPUR 04N - ORIGINAL WELLBORE - PROPOSAL #1	15,800.00	15,125.79	2,532.30	2,079.41	5.591	SF
SPUR 05C - ORIGINAL WELLBORE - PROPOSAL #1	1,759.01	1,824.84	375.19	367.06	46.144	CC, ES
SPUR 05C - ORIGINAL WELLBORE - PROPOSAL #1	15,700.00	15,250.77	2,292.89	1,841.19	5.076	SF
SPUR 06N - ORIGINAL WELLBORE - PROPOSAL #1	1,814.13	1,867.89	354.38	345.65	40.606	CC, ES
SPUR 06N - ORIGINAL WELLBORE - PROPOSAL #1	15,700.00	15,077.05	2,100.54	1,649.30	4.655	SF
SPUR 07N - ORIGINAL WELLBORE - PROPOSAL #1	1,886.12	1,926.63	339.47	329.71	34.794	CC
SPUR 07N - ORIGINAL WELLBORE - PROPOSAL #1	1,900.00	1,939.36	339.53	329.66	34.394	ES
SPUR 07N - ORIGINAL WELLBORE - PROPOSAL #1	15,700.00	15,170.33	1,884.66	1,433.65	4.179	SF
SPUR 08NA - ORIGINAL WELLBORE - PROPOSAL #1	2,073.27	2,098.28	313.38	301.10	25.510	CC
SPUR 08NA - ORIGINAL WELLBORE - PROPOSAL #1	2,100.00	2,123.17	313.53	301.04	25.092	ES
SPUR 08NA - ORIGINAL WELLBORE - PROPOSAL #1	15,664.52	14,993.03	1,702.76	1,255.00	3.803	SF
SPUR 09N - ORIGINAL WELLBORE - PROPOSAL #1	2,291.07	2,295.00	294.38	278.71	18.792	CC
SPUR 09N - ORIGINAL WELLBORE - PROPOSAL #1	2,300.00	2,303.43	294.39	278.66	18.717	ES
SPUR 09N - ORIGINAL WELLBORE - PROPOSAL #1	15,665.78	15,159.14	1,456.54	1,006.65	3.238	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 EVEREST 03N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4719.00usft
Reference Site:	NW NE SEC. 34 T6N R66W 6th P.M.	MD Reference:	KB 23ft @ 4719.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	EVEREST 03N	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
Offset Well - Wellbore - Design						
NW NE SEC. 34 T6N R66W 6th P.M.						
SPUR 10N - ORIGINAL WELLBORE - PROPOSAL #1	2,557.15	2,540.17	271.36	251.35	13.567	CC, ES
SPUR 10N - ORIGINAL WELLBORE - PROPOSAL #1	15,667.25	15,261.99	1,240.04	789.01	2.749	SF
SPUR 11C - ORIGINAL WELLBORE - PROPOSAL #1	2,982.73	2,940.73	243.38	216.29	8.982	CC, ES
SPUR 11C - ORIGINAL WELLBORE - PROPOSAL #1	15,700.00	15,431.71	1,026.34	592.36	2.365	SF
SPUR 12N - ORIGINAL WELLBORE - PROPOSAL #1	3,400.00	3,336.11	195.83	161.68	5.734	ES
SPUR 12N - ORIGINAL WELLBORE - PROPOSAL #1	3,435.54	3,370.73	195.67	161.71	5.762	CC
SPUR 12N - ORIGINAL WELLBORE - PROPOSAL #1	15,669.77	15,299.18	810.47	361.60	1.806	SF

Offset Design: NW NE SEC. 34 T6N R66W 6th P.M. - ABDN DD AG #32-31D - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 2-MWD													Offset Well Error: 0.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	2.00	0.00	0.00	-89.42	88.26	-8,750.16	8,750.61				
100.00	100.00	72.99	72.99	0.09	0.08	-89.42	88.40	-8,750.30	8,750.82	8,750.66	0.16	N/A	
200.00	200.00	164.94	164.93	0.31	0.24	-89.42	88.82	-8,750.78	8,751.35	8,750.80	0.55	N/A	
300.00	300.00	292.93	292.93	0.54	0.50	-89.42	88.89	-8,751.25	8,751.72	8,750.68	1.04	8,432.782	
400.00	400.00	434.21	434.20	0.76	0.80	-89.42	88.57	-8,751.12	8,751.60	8,750.04	1.56	5,594.159	
500.00	500.00	546.16	546.16	0.99	1.04	-89.42	88.25	-8,750.76	8,751.29	8,749.26	2.03	4,312.240	
600.00	600.00	695.90	695.89	1.21	1.36	-89.42	87.96	-8,749.74	8,750.62	8,748.04	2.58	3,398.063	
700.00	700.00	802.00	801.98	1.44	1.60	-89.43	87.66	-8,748.61	8,749.54	8,746.51	3.03	2,887.482	
800.00	800.00	843.04	843.03	1.66	1.68	-89.43	87.74	-8,748.30	8,748.80	8,745.47	3.34	2,620.272	
855.62	855.62	864.64	864.62	1.78	1.72	-89.42	87.94	-8,748.25	8,748.70	8,745.19	3.51	2,493.863	
900.00	900.00	902.00	901.98	1.88	1.80	-89.42	88.51	-8,748.37	8,748.82	8,745.14	3.68	2,374.688	
1,000.00	1,000.00	902.00	901.98	2.11	1.80	-89.42	88.51	-8,748.37	8,749.48	8,745.57	3.91	2,238.218	
1,100.00	1,100.00	941.27	941.23	2.33	1.88	-89.41	89.54	-8,748.87	8,750.94	8,746.73	4.21	2,077.085	
1,200.00	1,199.92	1,002.00	1,001.87	2.53	2.00	98.03	92.24	-8,750.59	8,754.02	8,749.49	4.53	1,932.676	
1,300.00	1,299.35	1,002.00	1,001.87	2.72	2.00	97.85	92.24	-8,750.59	8,758.42	8,753.71	4.71	1,859.634	
1,400.00	1,397.81	1,002.00	1,001.87	2.93	2.00	97.60	92.24	-8,750.59	8,764.91	8,759.98	4.93	1,778.133	
1,500.00	1,494.82	1,002.00	1,001.87	3.22	2.00	97.26	92.24	-8,750.59	8,773.46	8,768.24	5.22	1,681.158	
1,600.00	1,589.91	1,056.43	1,056.16	3.62	2.12	96.97	95.19	-8,753.27	8,783.22	8,777.50	5.72	1,535.112	
1,700.00	1,682.61	1,102.00	1,101.55	4.14	2.21	96.63	97.57	-8,756.47	8,795.25	8,788.92	6.33	1,389.847	
1,800.00	1,772.47	1,102.00	1,101.55	4.80	2.21	96.09	97.57	-8,756.47	8,808.64	8,801.67	6.97	1,263.080	
1,895.60	1,855.32	1,102.00	1,101.55	5.57	2.21	95.51	97.57	-8,756.47	8,823.17	8,815.45	7.72	1,143.086	
1,900.00	1,859.06	1,102.00	1,101.55	5.61	2.21	95.51	97.57	-8,756.47	8,823.88	8,816.12	7.76	1,137.636	
2,000.00	1,944.02	1,102.00	1,101.55	6.50	2.21	95.51	97.57	-8,756.47	8,840.53	8,831.91	8.62	1,025.116	
2,100.00	2,028.99	1,159.09	1,158.35	7.44	2.34	95.72	100.38	-8,761.51	8,857.61	8,847.96	9.65	917.809	
2,200.00	2,113.96	1,202.00	1,200.98	8.40	2.44	95.88	102.34	-8,765.96	8,875.92	8,865.25	10.67	832.015	
2,300.00	2,198.93	1,202.00	1,200.98	9.38	2.44	95.88	102.34	-8,765.96	8,894.93	8,883.33	11.60	766.608	
2,400.00	2,283.89	1,202.00	1,200.98	10.36	2.44	95.88	102.34	-8,765.96	8,915.03	8,902.49	12.55	710.632	
2,500.00	2,368.86	1,246.43	1,245.07	11.36	2.55	96.04	103.77	-8,771.20	8,935.79	8,922.19	13.59	657.345	
2,600.00	2,453.83	1,302.00	1,300.13	12.37	2.69	96.23	104.12	-8,778.71	8,957.75	8,943.08	14.67	610.570	
2,700.00	2,538.79	1,302.00	1,300.13	13.38	2.69	96.23	104.12	-8,778.71	8,980.13	8,964.51	15.62	574.933	
2,800.00	2,623.76	1,302.00	1,300.13	14.40	2.69	96.23	104.12	-8,778.71	9,003.57	8,987.00	16.57	543.508	
2,900.00	2,708.73	1,302.00	1,300.13	15.42	2.69	96.23	104.12	-8,778.71	9,028.05	9,010.54	17.51	515.634	
3,000.00	2,793.69	1,359.32	1,356.76	16.44	2.84	96.42	103.16	-8,787.53	9,052.91	9,034.32	18.59	487.007	
3,100.00	2,878.66	1,402.00	1,398.80	17.46	2.96	96.56	101.80	-8,794.77	9,078.90	9,059.27	19.63	462.453	
3,200.00	2,963.63	1,402.00	1,398.80	18.49	2.96	96.56	101.80	-8,794.77	9,105.56	9,084.99	20.56	442.795	
3,300.00	3,048.60	1,435.47	1,431.70	19.52	3.06	96.66	100.44	-8,800.80	9,133.04	9,111.47	21.58	423.228	

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