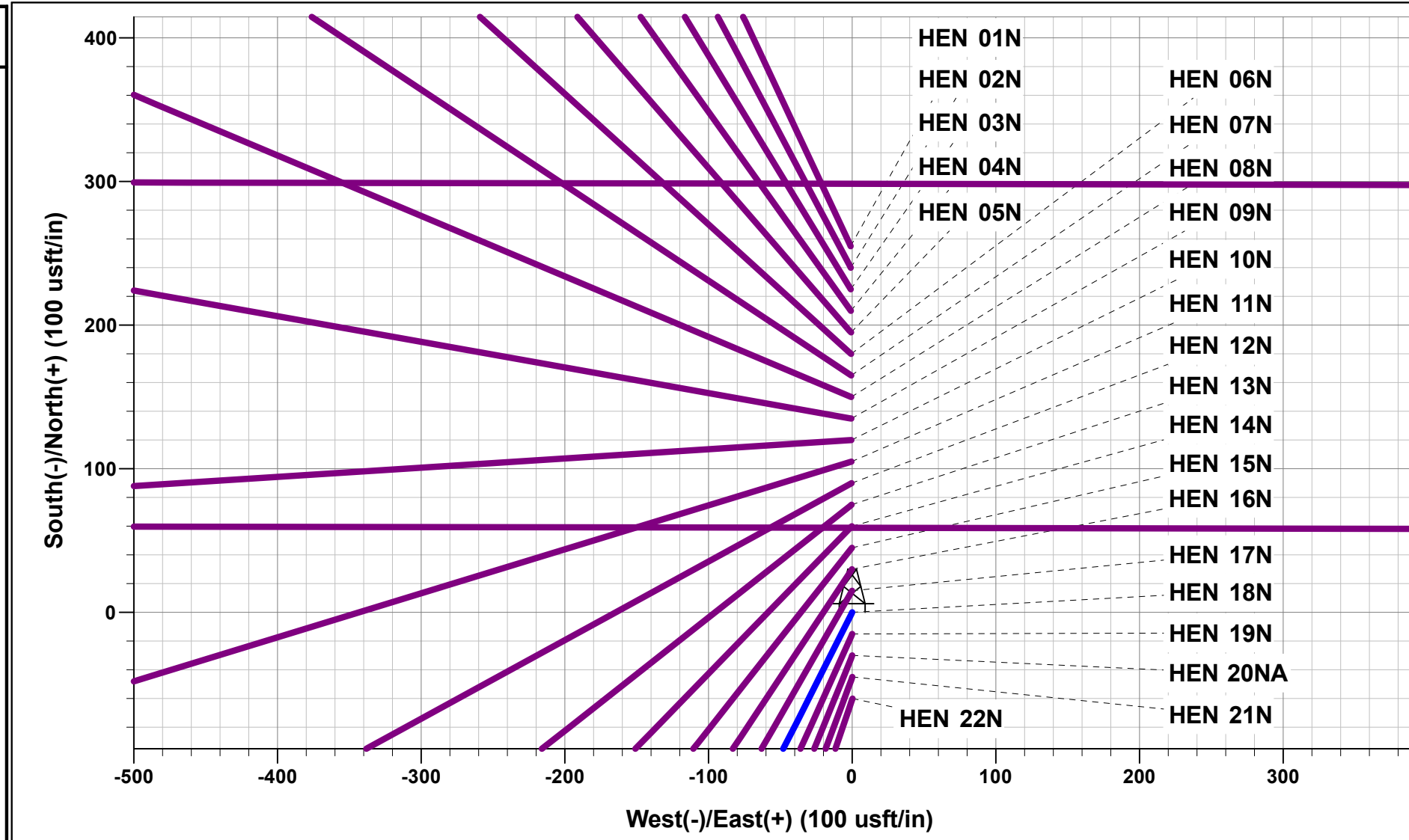




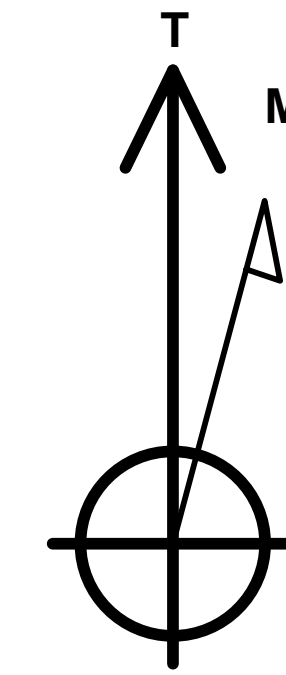
Project: WELD COUNTY, COLORADO (TRUE)
 Site: SW NE SEC. 8 T4N R64W 6th P.M. (HEN)
 Well: HEN 18N
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #2

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: 2339ft FNL & 2043ft FEL of Sec 8
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	START NUDDGE (2°/100ft BUR)
2083.70	27.67	206.72	2030.52	-292.71	-147.37	-68.09	327.72	EOB TO 27.67° INC
5149.15	27.67	206.72	4745.30	-1564.36	-787.61	-363.91	1751.44	END OF TANGENT
6532.85	0.00	0.00	6075.82	-1857.07	-934.98	-432.00	2079.16	EOD TO VERTICAL
6632.85	0.00	0.00	6175.82	-1857.07	-934.98	-432.00	2079.16	KOP (8°/100ft BUR)
7570.35	75.00	90.10	6867.61	-1858.00	-404.15	81.62	2609.99	EP: 1079ft FSL & 2440ft FEL of Sec 8
7762.22	90.35	90.10	6892.00	-1858.33	-214.41	265.20	2799.73	HZ LANDING POINT
15093.23	90.35	90.10	6847.22	-1871.18	7116.45	7358.34	10130.60	BHL: 1079ft FSL & 200ft FEL of Sec 9



PROPOSED LOCAL COORDINATES:
 SHL: 2339ft FNL & 2043ft FEL of Sec 8
 EP: 1079ft FSL & 2440ft FEL of Sec 8
 BHL: 1079ft FSL & 200ft FEL of Sec 9

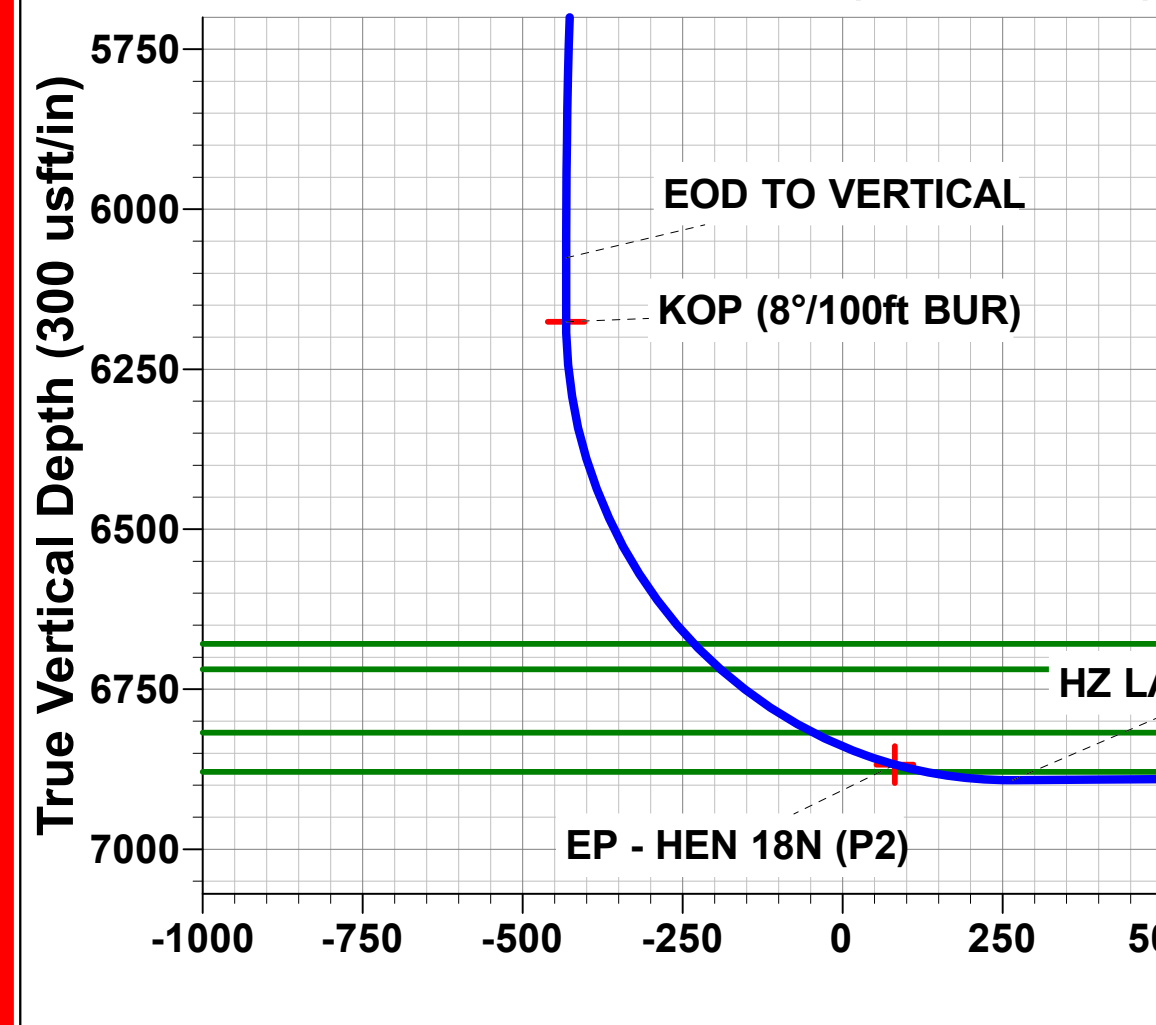
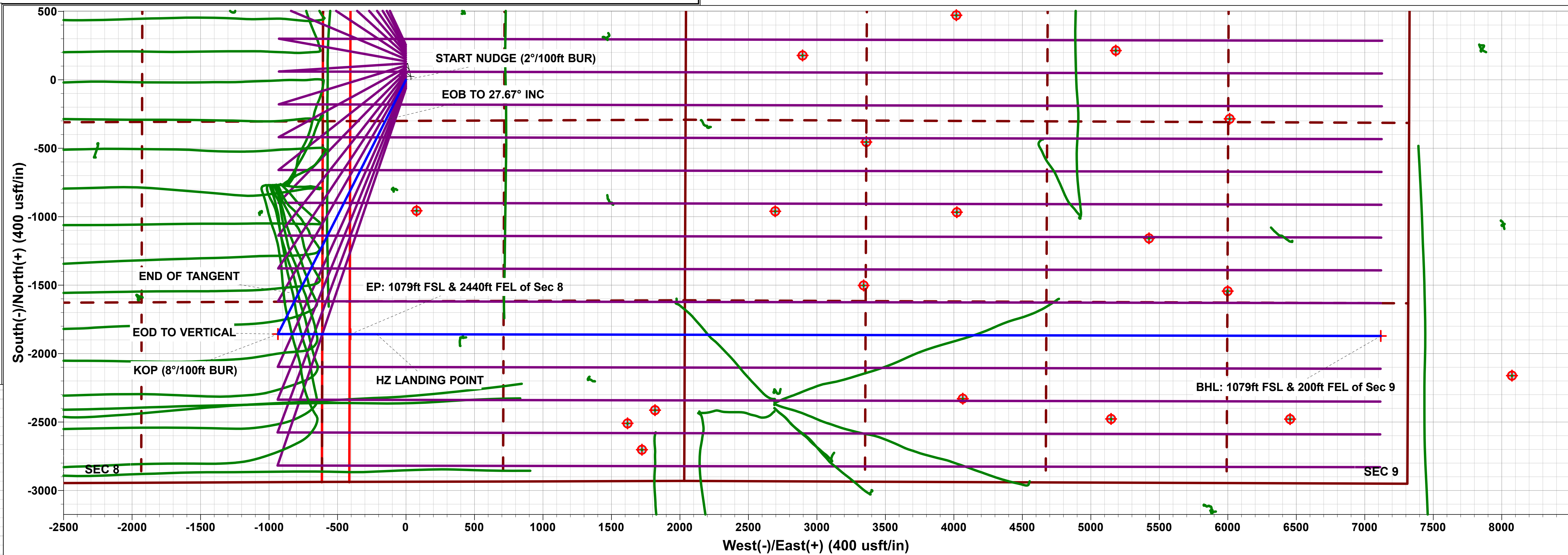
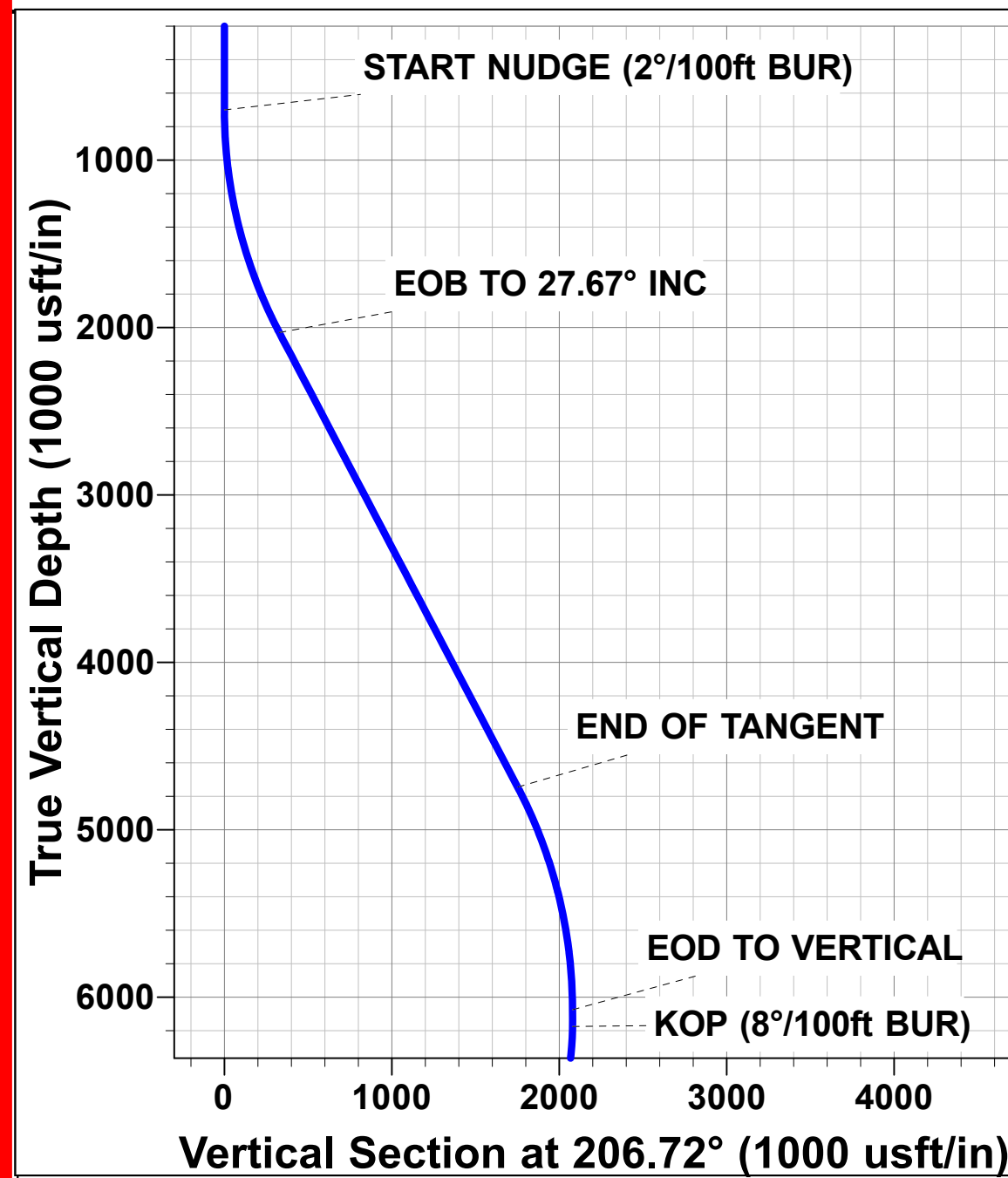


Azimuths to True North
 Magnetic North: 7.76°

Magnetic Field
 Strength: 51952.5nT
 Dip Angle: 66.63°
 Date: 2021-04-20
 Model: IGRF2020

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - HEN 18N (P2)	6847.00	-1871.18	7116.45	1361784.11	3265768.48	40.322577	-104.546820
EP - HEN 18N (P2)	6867.61	-1858.00	-404.15	1361718.61	3258248.47	40.322616	-104.573791
KOP - HEN 18N (P2)	6175.82	-1857.07	-934.98	1361713.99	3257717.68	40.322619	-104.575695





PDC ENERGY

**WELD COUNTY, COLORADO (TRUE)
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)
HEN 18N**

**ORIGINAL WELLBORE
PROPOSAL #2**

Anticollision Summary Report

19 June, 2022



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL #2		
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 3,280.83usft	Error Surface:	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	2022-06-19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	15,093.23	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)						
ABDN DD ALTER C 16-28D - Wellbore #1 - Wellbore #1	12,528.88	7,229.66	1,075.25	890.24	5.812	CC
ABDN DD ALTER C 16-28D - Wellbore #1 - Wellbore #1	12,600.00	7,230.43	1,077.60	889.28	5.722	ES
ABDN DD ALTER C 16-28D - Wellbore #1 - Wellbore #1	12,700.00	7,231.51	1,088.78	897.32	5.687	SF
ABDN DD ALTER C 16-29D - ORIGINAL WELLBORE - W	11,382.93	6,949.87	1,138.47	1,005.92	8.589	CC
ABDN DD ALTER C 16-29D - ORIGINAL WELLBORE - W	11,400.00	6,949.69	1,138.59	1,005.29	8.541	ES
ABDN DD ALTER C 16-29D - ORIGINAL WELLBORE - W	11,600.00	6,947.59	1,158.97	1,018.78	8.267	SF
ABDN DD ALTER C 16-29D - SIDETRACK - SIDETRAC	11,095.00	6,895.44	874.04	753.12	7.228	CC
ABDN DD ALTER C 16-29D - SIDETRACK - SIDETRAC	11,100.00	6,895.63	874.06	752.91	7.215	ES
ABDN DD ALTER C 16-29D - SIDETRACK - SIDETRAC	11,200.00	6,899.48	880.32	755.44	7.049	SF
ABDN HZ FRANKLIN C08-62HNX - ORIGINAL WELLBO	8,811.44	10,756.00	475.30	311.68	2.905	CC, ES, SF
ABDN HZ FRANKLIN C08-62HNX - SIDETRACK - SIDE	8,822.39	10,803.00	360.38	194.45	2.172	CC, ES, SF
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	9,795.69	6,792.58	551.28	344.36	2.664	CC
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	9,800.00	6,792.55	551.30	344.19	2.662	ES, SF
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	702.37	669.14	2,088.29	2,086.45	1,136.484	CC, ES
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	5,100.00	4,590.32	3,269.34	3,244.29	130.467	SF
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	848.28	857.83	3,050.19	3,047.94	1,356.675	CC
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	900.00	900.00	3,050.30	3,047.94	1,291.091	ES
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	3,100.00	2,901.74	3,279.51	3,262.79	196.188	SF
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	2,845.40	2,671.83	2,654.25	2,638.78	171.626	CC
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	3,000.00	2,806.98	2,655.24	2,638.35	157.211	ES
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	6,700.00	6,262.16	2,988.60	2,949.56	76.553	SF
ABDN VERT GEHRING 8-15I4 - Wellbore #1 - Wellbore	8,395.86	6,816.50	24.67	-12.49	0.664	Level 3, CC, ES, SF
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	3,011.22	2,814.72	283.91	266.99	16.775	CC, ES
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	3,100.00	2,896.48	286.39	268.77	16.245	SF
ABDN VERT HAGEN 9-16 - Wellbore #1 - Design #1	14,432.28	6,719.26	608.32	275.20	1.826	CC, ES
ABDN VERT HAGEN 9-16 - Wellbore #1 - Design #1	14,500.00	6,718.84	612.08	276.60	1.824	SF
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	3,142.57	2,924.27	499.04	423.48	6.605	CC
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	3,200.00	2,975.12	499.75	422.67	6.483	ES
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	8,200.00	6,845.33	914.48	744.73	5.387	SF
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	100.00	67.64	3,124.87	3,124.72	10,000.000	CC
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	200.00	161.97	3,125.06	3,124.57	6,383.287	ES
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	1,500.00	1,380.88	3,254.42	3,250.38	806.974	SF
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	14,202.86	6,700.00	2,550.85	2,357.10	13.166	CC
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	14,300.00	6,700.00	2,552.70	2,356.96	13.041	ES
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	14,600.00	6,700.00	2,581.58	2,381.56	12.907	SF
ABDN VERT REINICK 2 - Wellbore #1 - Wellbore #1						Out of range

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

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	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. 8 T4N R64W 6th P.M. (HEN)						
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	13,155.43	6,760.05	2,081.37	1,782.84	6.972	CC
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	13,200.00	6,759.78	2,081.85	1,782.43	6.953	ES
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	13,300.00	6,759.17	2,086.39	1,785.26	6.929	SF
ABDN VERT RICHARDSON 10-12 - Wellbore #1 - Wellb	15,093.23	6,732.14	1,198.18	1,050.46	8.111	CC, ES, SF
ABDN VERT RUFF 1 - Wellbore #1 - Design #1	100.00	70.33	1,685.25	1,684.32	1,813.550	CC
ABDN VERT RUFF 1 - Wellbore #1 - Design #1	800.00	770.38	1,686.87	1,670.14	100.807	ES
ABDN VERT RUFF 1 - Wellbore #1 - Design #1	4,900.00	4,495.05	3,258.61	3,153.22	30.920	SF
ABDN VERT RYANN STATE C 16-27 - Wellbore #1 - We	13,875.87	6,739.98	1,286.34	1,101.61	6.963	CC
ABDN VERT RYANN STATE C 16-27 - Wellbore #1 - We	13,900.00	6,741.39	1,286.57	1,100.91	6.930	ES
ABDN VERT RYANN STATE C 16-27 - Wellbore #1 - We	14,000.00	6,747.21	1,292.30	1,103.61	6.849	SF
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	5,576.40	5,106.33	1,915.21	1,875.48	48.211	CC
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	5,700.00	5,231.52	1,915.57	1,875.18	47.436	ES
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	6,650.00	6,217.19	1,920.38	1,877.60	44.891	SF
ABDN VERT SLEDGE C 9-28 - Wellbore #1 - Design #1						Out of range
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1						Out of range
ABDN VERT SMITH 1 - Wellbore #1 - Design #1	700.00	656.00	3,172.26	3,158.04	222.988	CC
ABDN VERT SMITH 1 - Wellbore #1 - Design #1	800.00	755.98	3,173.75	3,157.31	193.022	ES
ABDN VERT SMITH 1 - Wellbore #1 - Design #1	1,500.00	1,445.64	3,267.31	3,235.32	102.123	SF
ABDN VERT SMITH 2 - Wellbore #1 - Design #1						Out of range
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	11,990.86	6,796.46	2,337.41	2,070.47	8.756	CC
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	12,000.00	6,796.40	2,337.43	2,070.29	8.750	ES
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	12,300.00	6,794.57	2,357.77	2,085.25	8.652	SF
ABDN VERT STATE 16-214 - Wellbore #1 - Wellbore #1	13,035.43	6,731.26	1,970.39	1,808.41	12.164	CC
ABDN VERT STATE 16-214 - Wellbore #1 - Wellbore #1	13,100.00	6,730.96	1,971.45	1,807.27	12.008	ES
ABDN VERT STATE 16-214 - Wellbore #1 - Wellbore #1	13,400.00	6,729.60	2,003.84	1,831.93	11.657	SF
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	10,129.81	6,804.99	1,568.19	1,486.75	19.255	CC, ES
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	10,400.00	6,796.63	1,591.28	1,505.44	18.537	SF
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,737.61	7,296.93	264.71	69.55	1.356	Level 3, CC, ES, SF
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	9,952.13	6,918.91	259.53	166.10	2.778	CC, ES, SF
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore						Out of range
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore						Out of range
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #						Out of range
EXIST DD NGL C1C - Wellbore #1 - Wellbore #1	9,888.79	6,180.19	2,588.80	2,500.90	29.452	CC
EXIST DD NGL C1C - Wellbore #1 - Wellbore #1	10,000.00	6,182.81	2,591.19	2,499.98	28.411	ES
EXIST DD NGL C1C - Wellbore #1 - Wellbore #1	11,200.00	6,219.16	2,901.73	2,779.87	23.812	SF
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	700.00	673.00	2,064.77	2,062.59	946.910	CC, ES
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	3,500.00	2,865.00	3,254.29	3,237.74	196.636	SF
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	700.00	655.00	3,210.43	3,208.27	1,486.115	CC, ES
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	1,300.00	1,264.77	3,264.00	3,259.30	693.307	SF
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	0.00	0.00	1,298.96			
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	200.00	188.00	1,299.10	1,298.61	2,611.895	ES
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	4,200.00	3,302.18	2,909.05	2,885.16	121.730	SF
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	0.00	0.00	1,298.96			
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	200.00	188.00	1,299.10	1,298.61	2,611.895	ES
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	4,200.00	3,302.18	2,909.05	2,885.16	121.730	SF
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #	320.71	312.16	1,286.07	1,285.00	1,197.998	CC
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #	400.00	377.28	1,286.36	1,284.98	929.522	ES
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #	4,200.00	3,479.28	2,778.53	2,754.19	114.183	SF
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #	449.76	441.00	1,275.10	1,273.47	784.668	CC
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #	500.00	481.07	1,275.28	1,273.46	701.342	ES
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #	4,400.00	3,645.23	2,770.41	2,745.30	110.339	SF
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #	0.00	0.00	1,264.10			

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

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	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						
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)						
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #	100.00	87.29	1,264.22	1,264.05	7,390.972	ES
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #	6,000.00	5,582.33	3,279.68	3,245.57	96.152	SF
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #	395.31	386.55	1,251.10	1,249.70	895.519	CC
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #	705.91	698.15	1,251.49	1,248.75	456.915	ES
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #	8,300.00	6,468.00	3,278.14	3,230.69	69.082	SF
EXIST HZ CHALLENGER 6N - Wellbore #1 - Wellbore #	709.84	703.03	1,239.89	1,237.13	449.161	CC, ES
EXIST HZ CHALLENGER 6N - Wellbore #1 - Wellbore #	8,800.00	6,374.00	3,256.68	3,202.89	60.541	SF
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #	0.00	0.00	1,228.48			
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #	400.00	383.86	1,229.77	1,228.38	884.216	ES
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #	9,100.00	6,348.00	3,172.22	3,115.71	56.140	SF
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #	709.55	702.57	1,215.32	1,212.57	441.383	CC, ES
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #	9,000.00	6,443.00	2,878.97	2,823.65	52.036	SF
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #	1,855.66	2,037.63	1,115.57	1,105.49	110.679	CC
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #	1,900.00	2,079.27	1,115.81	1,105.36	106.773	ES
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #	8,600.00	6,391.83	2,510.91	2,460.24	49.553	SF
EXIST HZ FRANKLIN C17-69HN - Wellbore #1 - Wellbore #	8,237.27	10,197.00	986.54	850.62	7.258	CC
EXIST HZ FRANKLIN C17-69HN - Wellbore #1 - Wellbore #	8,900.00	10,846.00	995.94	826.84	5.890	ES
EXIST HZ FRANKLIN C17-69HN - Wellbore #1 - Wellbore #	9,000.00	10,846.00	1,002.38	830.56	5.834	SF
EXIST HZ HAROLD 6X-232 - Wellbore #1 - Wellbore #1						Out of range
EXIST HZ HAROLD 6X-202 - Wellbore #1 - Wellbore #1						Out of range
EXIST HZ HAROLD 6Y-202 - Wellbore #1 - Wellbore #1						Out of range
EXIST HZ HAROLD 6Y-312 - Wellbore #1 - Wellbore #1						Out of range
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	5,319.53	4,980.69	225.96	182.78	5.233	CC, ES
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	5,600.00	5,249.91	247.69	196.74	4.862	SF
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	5,381.28	5,011.08	321.69	280.92	7.890	CC
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	5,500.00	5,130.64	324.02	280.29	7.409	ES
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	5,700.00	5,318.43	341.13	293.30	7.133	SF
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	5,365.50	5,001.58	515.62	477.34	13.470	CC
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	5,400.00	5,030.00	516.00	477.30	13.331	ES
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	5,700.00	5,332.55	538.51	495.40	12.493	SF
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	2,868.08	2,746.92	452.98	429.80	19.546	CC, ES
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	3,000.00	2,849.93	460.30	435.83	18.812	SF
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	2,978.03	2,846.37	417.41	393.55	17.494	CC
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	3,000.00	2,863.92	417.61	393.50	17.321	ES
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	3,100.00	2,943.70	423.58	398.54	16.916	SF
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	3,190.86	3,035.86	308.36	283.02	12.170	CC
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	3,200.00	3,043.03	308.41	282.96	12.117	ES
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	3,300.00	3,121.83	315.48	289.13	11.974	SF
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	3,624.43	3,422.69	267.91	239.33	9.372	CC, ES
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	3,700.00	3,488.71	270.44	241.42	9.321	SF
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	3,994.52	3,754.54	262.59	230.20	8.108	CC
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	4,000.00	3,759.44	262.60	230.19	8.102	ES, SF
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	4,200.00	3,945.30	203.37	168.69	5.864	SF
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	4,215.89	3,959.80	203.26	168.61	5.865	CC, ES
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	4,500.00	4,215.88	104.06	64.65	2.640	ES, SF
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	4,522.25	4,236.13	103.67	64.70	2.660	CC
EXIST HZ JAGGED 8N - Wellbore #1 - Wellbore #1	4,786.62	4,485.96	53.29	13.87	1.352	Level 3, CC, ES, SF
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	5,105.53	4,784.16	79.85	35.72	1.809	CC
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	5,149.15	4,823.81	81.58	33.87	1.710	ES, SF
EXIST HZ MARK ALTER C16-79HN - Wellbore #1 - Well	10,152.23	6,505.59	788.97	701.25	8.994	CC
EXIST HZ MARK ALTER C16-79HN - Wellbore #1 - Well	10,200.00	6,504.61	790.41	701.08	8.848	ES
EXIST HZ MARK ALTER C16-79HN - Wellbore #1 - Well	10,300.00	6,502.80	802.68	710.73	8.730	SF

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

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	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						
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)						
EXIST HZ NORTHROP C 08-73HN - Wellbore #1 - Wellb	8,600.00	10,430.00	150.92	67.65	1.812	SF
EXIST HZ NORTHROP C 08-73HN - Wellbore #1 - Wellb	8,694.03	10,430.00	118.05	61.04	2.071	CC, ES
EXIST HZ NORTHROP C 08-75HN - Wellbore #1 - Wellb	7,437.73	10,667.00	218.10	169.81	4.516	CC
EXIST HZ NORTHROP C 08-75HN - Wellbore #1 - Wellb	7,500.00	10,667.00	227.81	165.59	3.661	ES
EXIST HZ NORTHROP C 08-75HN - Wellbore #1 - Wellb	7,600.00	10,667.00	277.25	191.05	3.216	SF
EXIST HZ OREDIGGER C10-69HN - Wellbore #1 - Well						Out of range
EXIST HZ SANDY HILLS PC C17-67HN - Wellbore #1 -	9,442.04	11,004.00	2,337.22	2,156.61	12.941	CC
EXIST HZ SANDY HILLS PC C17-67HN - Wellbore #1 -	9,500.00	11,004.00	2,337.94	2,155.85	12.839	ES
EXIST HZ SANDY HILLS PC C17-67HN - Wellbore #1 -	9,900.00	11,004.00	2,381.67	2,192.00	12.557	SF
EXIST HZ STOCKLEY C15-79HN - Wellbore #1 - Wellbo	15,093.23	12,386.98	336.10	192.84	2.346	CC, ES, SF
EXIST HZ ZANE ALTER C 09-21 - Wellbore #1 - Wellbor	12,897.92	6,822.00	855.99	685.05	5.007	CC
EXIST HZ ZANE ALTER C 09-21 - Wellbore #1 - Wellbor	12,900.00	6,822.00	855.99	685.04	5.007	ES, SF
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	13,975.04	6,737.15	325.58	5.49	1.017	Level 3, CC, ES, SF
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	11,317.33	6,775.90	362.68	115.03	1.464	Level 3, CC, ES, SF
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,334.87	6,791.04	1,410.09	1,161.43	5.671	CC, ES
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,400.00	6,790.64	1,411.60	1,161.87	5.653	SF
EXIST VERT BARTON C 15-29 - Wellbore #1 - Design #	15,093.23	6,701.42	1,674.11	1,456.69	7.700	CC, ES, SF
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	100.00	40.32	1,470.74	1,470.61	10,000.000	CC
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	600.00	540.14	1,471.49	1,469.94	953.458	ES
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	10,200.00	6,759.97	2,315.60	2,239.40	30.391	SF
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #						Out of range
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore						Out of range
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	1,054.58	1,041.67	2,323.26	2,300.54	102.272	CC
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	1,700.00	1,667.82	2,328.15	2,290.21	61.372	ES
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	7,150.00	6,637.19	3,174.05	3,008.39	19.160	SF
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	0.00	0.00	1,370.89			
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	100.00	72.67	1,370.95	1,370.79	8,353.036	ES
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	8,600.00	6,854.73	3,048.50	3,008.84	76.851	SF
EXIST VERT CPC HARLESS 17-1 - Wellbore #1 - Wellb	9,255.10	6,755.63	1,649.29	1,590.84	28.214	CC
EXIST VERT CPC HARLESS 17-1 - Wellbore #1 - Wellb	9,300.00	6,755.48	1,649.90	1,590.10	27.589	ES
EXIST VERT CPC HARLESS 17-1 - Wellbore #1 - Wellb	10,000.00	6,753.35	1,809.70	1,732.86	23.549	SF
EXIST VERT EMBRICK C 10-19 - Wellbore #1 - Wellbor	15,093.23	6,773.15	3,147.68	2,944.45	15.488	CC, ES, SF
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	4,669.70	4,336.90	1,783.58	1,751.09	54.902	CC
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	4,800.00	4,453.35	1,784.48	1,750.80	52.981	ES
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	6,650.00	6,202.64	1,864.21	1,823.15	45.403	SF
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	6,645.52	6,201.33	1,061.77	1,019.68	25.230	CC, ES
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	6,650.00	6,205.66	1,061.78	1,019.70	25.229	SF
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	9,314.91	6,802.33	308.99	249.31	5.177	CC, ES
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	9,400.00	6,802.51	320.49	257.85	5.116	SF
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	9,445.29	6,817.07	1,015.21	952.02	16.067	CC, ES
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	9,600.00	6,816.13	1,026.93	961.58	15.714	SF
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,400.15	6,749.12	710.24	405.24	2.329	CC, ES, SF
EXIST VERT HAGEN 9-15 - Wellbore #1 - Design #1	13,125.57	6,740.63	609.46	312.31	2.051	CC, ES
EXIST VERT HAGEN 9-15 - Wellbore #1 - Design #1	13,200.00	6,740.17	613.99	314.17	2.048	SF
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,311.44	6,691.77	769.89	573.73	3.925	CC, ES, SF
EXIST VERT HARLESS PM C 17-2 - Wellbore #1 - Desi	8,011.77	6,826.58	1,922.81	1,757.16	11.608	CC, ES
EXIST VERT HARLESS PM C 17-2 - Wellbore #1 - Desi	8,600.00	6,822.98	2,010.77	1,832.66	11.289	SF
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	11,996.96	6,769.66	898.41	631.91	3.371	CC
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	12,000.00	6,769.64	898.41	631.88	3.371	ES, SF
EXIST VERT JOHNSON 9-13 - Wellbore #1 - Wellbore #	10,710.23	6,796.92	402.57	305.77	4.159	CC, ES
EXIST VERT JOHNSON 9-13 - Wellbore #1 - Wellbore #	10,800.00	6,797.04	412.46	312.64	4.132	SF

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

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	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						
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)						
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well						Out of range
EXIST VERT NGL C1A - Wellbore #1 - Design #1	9,700.57	6,797.16	840.35	635.81	4.109	CC, ES
EXIST VERT NGL C1A - Wellbore #1 - Design #1	9,800.00	6,796.55	846.21	638.27	4.069	SF
EXIST VERT NGL C1B - Wellbore #1 - Design #1	9,595.37	6,803.80	648.18	446.32	3.211	CC
EXIST VERT NGL C1B - Wellbore #1 - Design #1	9,600.00	6,803.77	648.20	446.15	3.208	ES
EXIST VERT NGL C1B - Wellbore #1 - Design #1	9,700.00	6,803.16	656.58	451.09	3.195	SF
EXIST VERT REINICK 10-5 - Wellbore #1 - Wellbore #1	15,093.23	6,751.97	2,212.73	2,002.71	10.535	CC, ES, SF
EXIST VERT REINICK 1-10-4-64 - Wellbore #1 - Wellbo						Out of range
EXIST VERT REINICK 3 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT REINICK C 10-31 - Wellbore #1 - Wellbore	14,991.58	6,780.17	2,827.35	2,611.41	13.093	CC
EXIST VERT REINICK C 10-31 - Wellbore #1 - Wellbore	15,093.23	6,780.38	2,829.18	2,611.08	12.972	ES, SF
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	12,701.26	6,785.10	2,784.33	2,497.94	9.722	CC
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	12,800.00	6,784.50	2,786.08	2,497.54	9.656	ES
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	13,100.00	6,782.66	2,812.74	2,518.92	9.573	SF
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,987.31	6,746.97	1,583.92	1,262.52	4.928	CC
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	14,000.00	6,746.90	1,583.97	1,262.35	4.925	ES
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	14,100.00	6,746.28	1,587.92	1,265.00	4.917	SF
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT RICHARDSON 10-13 - Wellbore #1 - Desig	15,093.23	6,700.00	1,001.12	817.14	5.442	CC, ES, SF
EXIST VERT ROHR 15-414 - Wellbore #1 - Wellbore #1	15,093.23	6,700.00	1,838.84	1,656.14	10.065	CC, ES, SF
EXIST VERT ROHR C 15-19 - Wellbore #1 - Wellbore #1	15,093.23	6,715.99	2,729.26	2,551.01	15.311	CC, ES, SF
EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1	556.42	519.43	1,716.99	1,715.42	1,096.148	CC
EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1	700.00	659.14	1,717.21	1,715.28	889.086	ES
EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1	9,500.00	6,833.72	3,270.83	3,207.98	52.036	SF
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	352.03	329.95	606.88	605.92	633.858	CC
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	500.00	475.44	607.16	605.79	442.984	ES
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	9,700.00	6,800.00	2,682.58	2,622.88	44.938	SF
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	700.00	671.00	2,503.34	2,488.81	172.299	CC
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	800.00	770.98	2,505.03	2,488.28	149.594	ES
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	3,000.00	2,813.00	3,236.02	3,171.60	50.232	SF
EXIST VERT RYANN STATE C 16-1 - Wellbore #1 - Wel	14,421.42	6,641.30	1,805.91	1,605.78	9.024	CC
EXIST VERT RYANN STATE C 16-1 - Wellbore #1 - Wel	14,500.00	6,639.29	1,807.62	1,604.81	8.913	ES
EXIST VERT RYANN STATE C 16-1 - Wellbore #1 - Wel	14,700.00	6,634.07	1,827.26	1,619.52	8.796	SF
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	4,255.43	3,921.39	506.36	477.69	17.656	CC, ES
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	4,500.00	4,138.68	518.45	488.11	17.084	SF
EXIST VERT SLEDGE C 9-31 - Wellbore #1 - Design #1	700.00	646.63	2,424.06	2,410.02	172.691	CC
EXIST VERT SLEDGE C 9-31 - Wellbore #1 - Design #1	800.00	746.61	2,425.38	2,409.12	149.225	ES
EXIST VERT SLEDGE C 9-31 - Wellbore #1 - Design #1	10,800.00	6,820.07	2,844.24	2,613.83	12.344	SF
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,868.60	6,809.27	2,041.66	1,805.34	8.640	CC
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,900.00	6,809.08	2,041.90	1,804.93	8.617	ES
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	11,100.00	6,807.86	2,054.73	1,814.12	8.540	SF
EXIST VERT SMITH C 9-19 - Wellbore #1 - Design #1	11,448.24	6,820.48	3,239.86	2,987.40	12.833	CC
EXIST VERT SMITH C 9-19 - Wellbore #1 - Design #1	11,500.00	6,820.17	3,240.27	2,986.61	12.774	ES
EXIST VERT SMITH C 9-19 - Wellbore #1 - Design #1	11,900.00	6,817.72	3,271.20	3,009.29	12.489	SF
EXIST VERT STATE 16-314 - Wellbore #1 - Design #1	11,983.49	6,755.47	1,533.00	1,267.11	5.765	CC
EXIST VERT STATE 16-314 - Wellbore #1 - Design #1	12,000.00	6,755.37	1,533.09	1,266.61	5.753	ES
EXIST VERT STATE 16-314 - Wellbore #1 - Design #1	12,200.00	6,754.15	1,548.22	1,275.79	5.683	SF
EXIST VERT STATE 16-414 - Wellbore #1 - Design #1	11,261.38	6,767.37	2,202.51	1,956.27	8.945	CC
EXIST VERT STATE 16-414 - Wellbore #1 - Design #1	11,300.00	6,767.13	2,202.85	1,955.36	8.901	ES
EXIST VERT STATE 16-414 - Wellbore #1 - Design #1	11,700.00	6,764.69	2,245.76	1,987.24	8.687	SF
EXIST VERT VERN JOHNSON 1-A - Wellbore #1 - Desi	12,042.51	6,759.34	463.28	195.89	1.733	CC, ES
EXIST VERT VERN JOHNSON 1-A - Wellbore #1 - Desi	12,100.00	6,758.99	466.84	197.03	1.730	SF

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

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 18N
Project:	WELD COUNTY, COLORADO (TRUE)	TVD Reference:	KB 23ft @ 4802.00usft
Reference Site:	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	MD Reference:	KB 23ft @ 4802.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	HEN 18N	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 #2	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						
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)						
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,670.81	6,795.26	903.19	672.61	3.917	CC, ES
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,700.00	6,795.08	903.66	672.74	3.913	SF
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT WILMOTH C 3-33 - Wellbore #1 - Wellbore						Out of range
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore						Out of range
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore						Out of range
EXIST VERT WILMOTH C 9-27 - Wellbore #1 - Wellbore						Out of range
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	300.00	254.94	253.87	237.791	CC, ES
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	1,200.00	1,100.00	409.80	404.76	81.322	SF
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	400.00	239.97	238.45	157.703	CC, ES
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,036.37	334.67	330.11	73.324	SF
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	500.00	500.00	224.96	222.99	114.124	CC, ES
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,051.36	299.81	295.25	65.822	SF
HEN 04N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	209.95	207.53	86.729	CC, ES
HEN 04N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,064.45	268.07	263.52	58.927	SF
HEN 05N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	194.94	192.07	67.918	CC, ES
HEN 05N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,760.09	3,116.38	2,681.11	7.160	SF
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	701.00	179.97	177.10	62.652	CC, ES
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,792.17	2,875.75	2,440.45	6.606	SF
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	164.96	162.09	57.472	CC, ES
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,686.81	2,637.14	2,202.05	6.061	SF
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	149.99	147.12	52.255	CC, ES
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,738.58	2,396.43	1,961.19	5.506	SF
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	134.98	132.11	47.026	CC, ES
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,687.81	2,157.92	1,723.61	4.969	SF
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	119.97	117.10	41.797	CC, ES
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,779.73	1,917.15	1,481.82	4.404	SF
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	104.99	102.12	36.580	CC, ES
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,732.88	1,678.76	1,244.12	3.862	SF
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	89.98	87.11	31.351	CC, ES
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,839.84	1,437.90	1,003.04	3.307	SF
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	74.97	72.10	26.121	CC, ES
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,794.46	1,199.72	766.24	2.768	SF
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	59.97	57.10	20.892	CC, ES
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,906.90	958.63	524.35	2.207	SF
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	44.99	42.12	15.675	CC, ES
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,874.32	721.86	292.93	1.683	SF
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	30.02	27.15	10.459	CC, ES
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,964.76	479.31	49.37	1.115	Level 3, SF
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	15.01	12.14	5.229	CC
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	14,965.07	249.66	-49.27	0.835	Level 3, ES, SF
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	15.01	12.59	6.200	CC
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	15,090.25	252.64	-41.63	0.859	Level 3, ES, SF
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	500.00	499.00	29.98	28.01	15.228	CC, ES
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	15,111.10	495.32	105.77	1.272	Level 3, SF
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	399.00	44.99	43.47	29.611	CC, ES
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	15,320.70	718.93	286.89	1.664	SF
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	298.00	60.00	58.93	56.200	CC, ES
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	15,093.23	15,355.99	962.34	531.16	2.232	SF

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