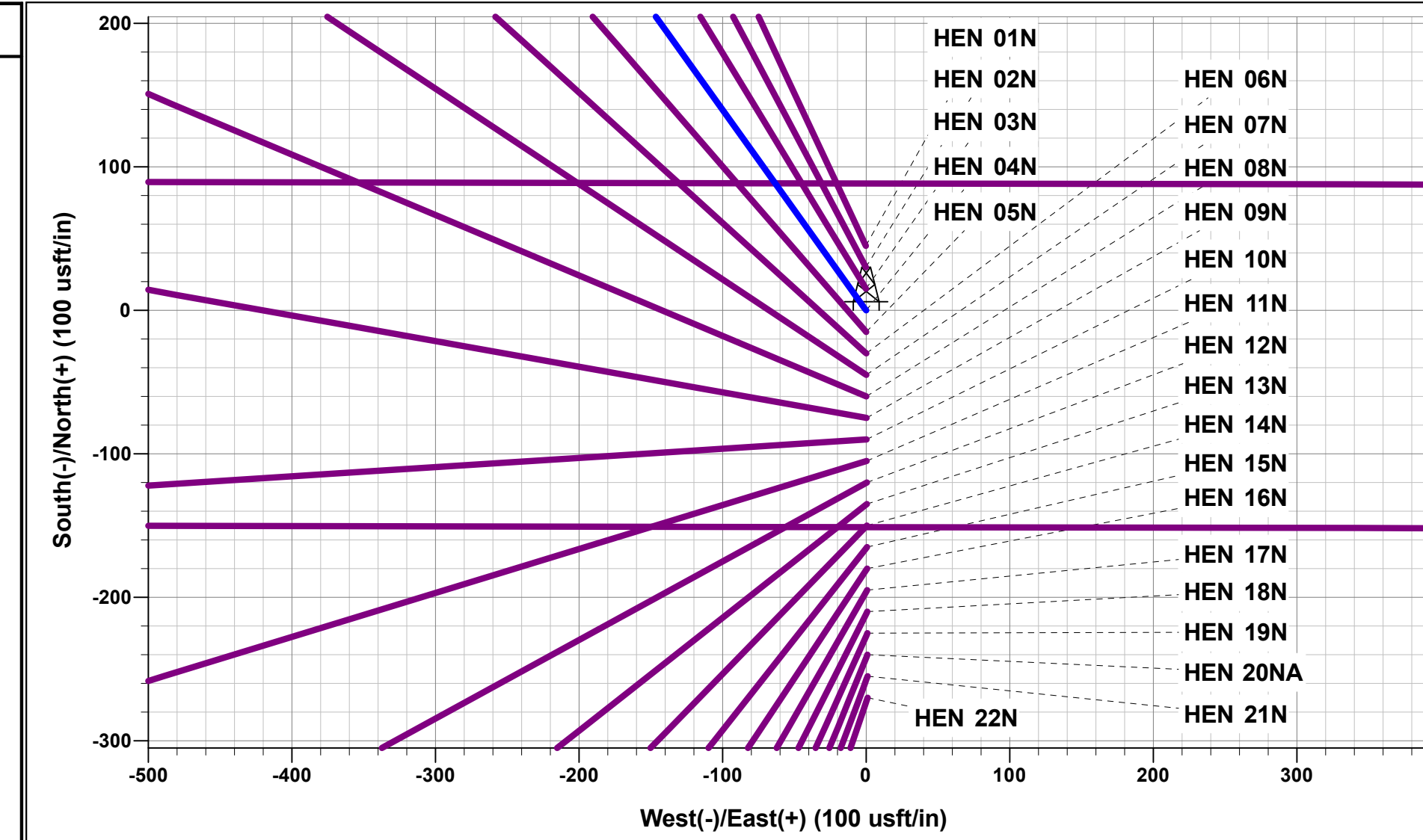




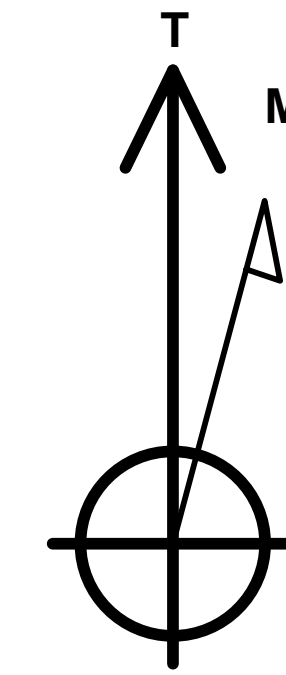
Project: WELD COUNTY, COLORADO (TRUE)
 Site: SW NE SEC. 8 T4N R64W 6th P.M. (HEN)
 Well: HEN 04N
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #2

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 2129ft FNL & 2044ft FEL of Sec 8
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	START NUDDGE (2°/100ft BUR)
1570.50	19.41	324.43	1552.04	132.44	-94.71	-69.95	162.82	EOB TO 19.41° INC
5357.42	19.41	324.43	5123.73	1156.13	-826.74	-610.58	1421.31	END OF TANGENT
6327.92	0.00	324.43	6075.78	1288.57	-921.45	-680.52	1584.13	EOD TO VERTICAL
6427.92	0.00	0.00	6175.78	1288.57	-921.45	-680.52	1584.13	KOP (8°/100ft BUR)
7365.45	75.00	90.10	6867.61	1287.64	-390.62	-158.13	2114.97	EP: 839ft FNL & 2440ft FEL of Sec 8
7558.86	90.47	90.10	6892.00	1287.30	-199.35	30.11	2306.24	HZ LANDING POINT
14890.31	90.47	90.11	6832.00	1273.86	7131.85	7244.72	9637.44	BHL: 839ft FNL & 200ft FEL of Sec 9



PROPOSED LOCAL COORDINATES:
 SHL: 2129ft FNL & 2044ft FEL of Sec 8
 EP: 839ft FNL & 2440ft FEL of Sec 8
 BHL: 839ft FNL & 200ft FEL of Sec 9

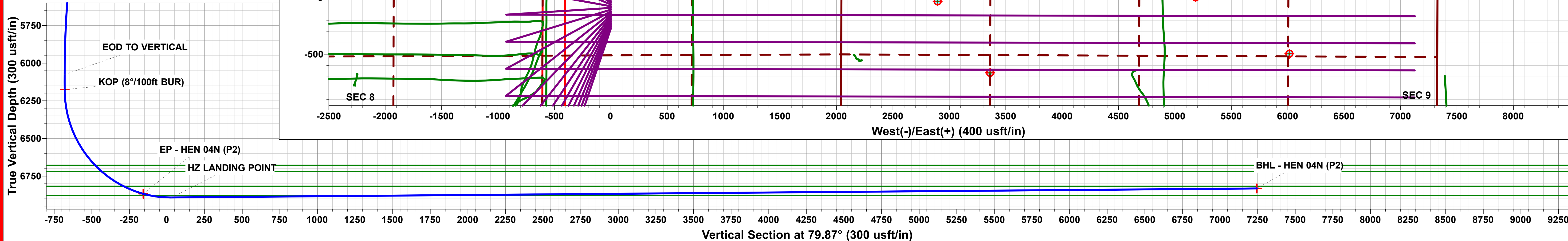
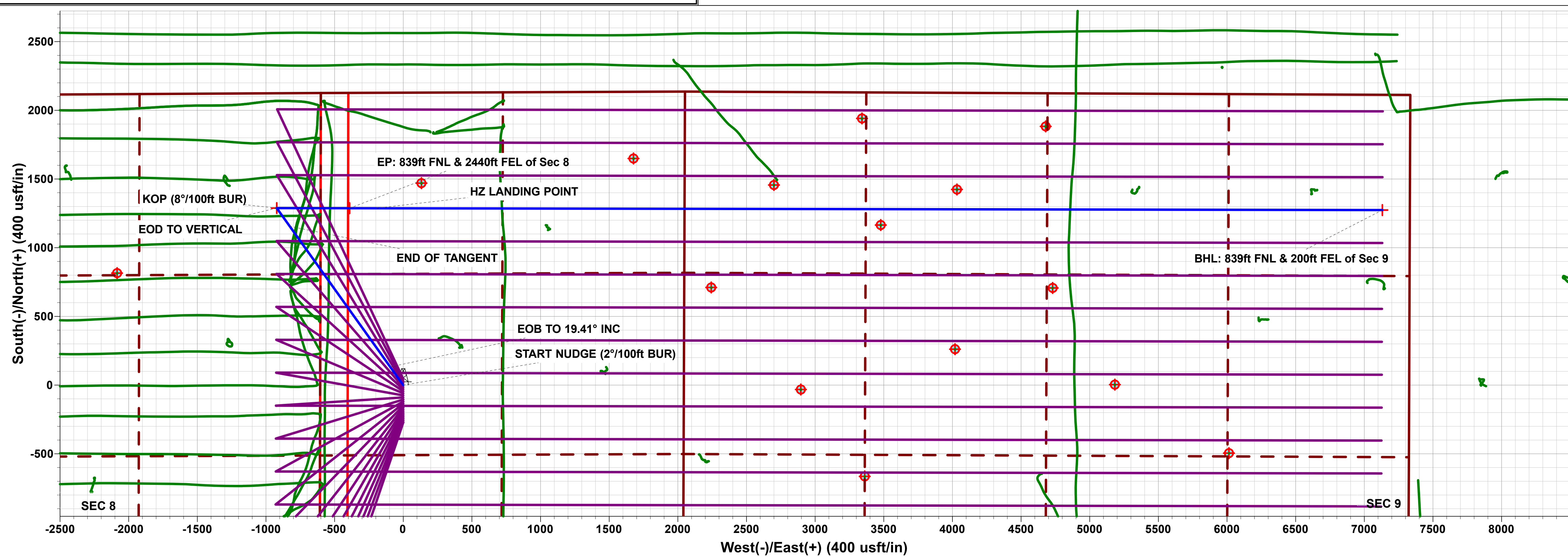
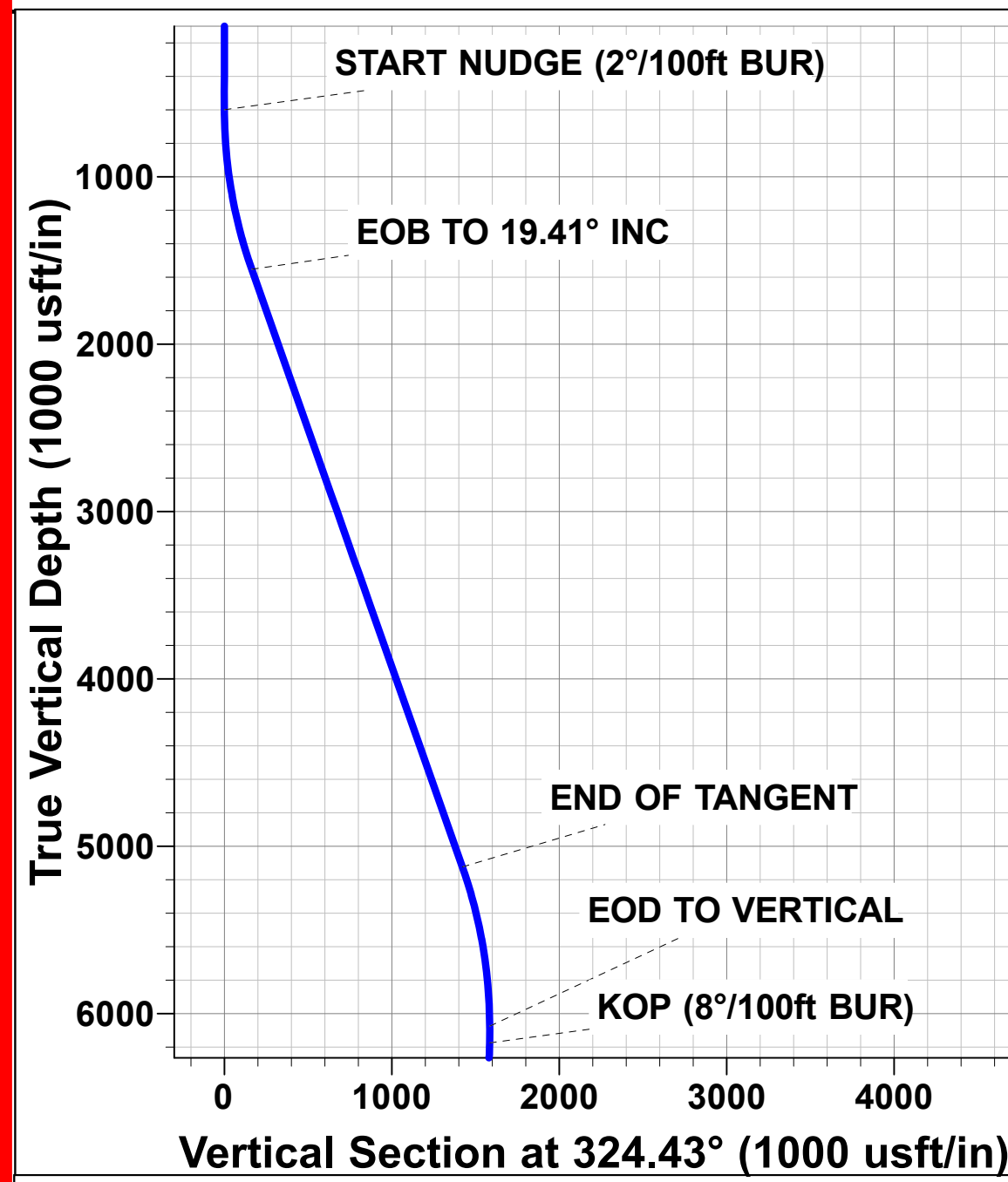


Azimuths to True North
 Magnetic North: 7.76°

Magnetic Field
 Strength: 51953.1nT
 Dip Angle: 66.63°
 Date: 2021-04-19
 Model: IGRF2020

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - HEN 04N (P2)	6832.00	1273.86	7131.85	1365138.91	3265747.92	40.331786	-104.546765
EP - HEN 04N (P2)	6867.61	1287.64	-390.62	1365074.00	3258226.03	40.331827	-104.573746
KOP - HEN 04N (P2)	6175.78	1288.57	-921.45	1365069.38	3257695.24	40.331829	-104.575650





PDC ENERGY

**WELD COUNTY, COLORADO (TRUE)
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)
HEN 04N**

**ORIGINAL WELLBORE
PROPOSAL #2**

Anticollision Summary Report

19 June, 2022



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well HEN 04N
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 04N	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	14,890.31	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference		Distance		Separation Factor	Warning
	Measured Depth (usft)	Offset Measured Depth (usft)	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						Out of range
ABDN DD ALTER C 16-29D - ORIGINAL WELLBORE - W						Out of range
ABDN DD ALTER C 16-29D - SIDETRACK - SIDETRAC						Out of range
ABDN HZ FRANKLIN C08-62HNX - ORIGINAL WELLBO						Out of range
ABDN HZ FRANKLIN C08-62HNX - SIDETRACK - SIDE						Out of range
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	600.00	513.00	3,192.05	3,180.94	287.294	CC
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	700.00	612.98	3,193.80	3,180.44	239.129	ES
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	1,300.00	1,206.06	3,277.14	3,250.40	122.565	SF
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	6,438.72	6,159.85	446.28	424.66	20.641	CC, ES
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	6,500.00	6,220.85	448.56	426.80	20.614	SF
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	6,444.79	6,212.37	1,535.07	1,507.46	55.613	CC, ES
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	6,500.00	6,264.79	1,537.21	1,509.52	55.514	SF
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	6,432.60	6,184.67	2,017.24	1,982.75	58.495	CC, ES
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	6,450.00	6,201.90	2,017.42	1,982.92	58.473	SF
ABDN VERT GEHRING 8-15I4 - Wellbore #1 - Wellbore	619.64	560.25	2,189.82	2,188.14	1,303.168	CC, ES
ABDN VERT GEHRING 8-15I4 - Wellbore #1 - Wellbore	4,700.00	4,460.40	3,263.76	3,247.83	204.877	SF
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	100.00	61.67	1,003.07	1,002.93	6,903.831	CC
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	600.00	561.01	1,003.69	1,002.21	678.295	ES
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	9,200.00	6,848.32	2,748.88	2,695.19	51.198	SF
ABDN VERT HAGEN 9-16 - Wellbore #1 - Design #1						Out of range
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	600.00	556.00	1,168.93	1,156.95	97.569	CC
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	700.00	655.98	1,170.42	1,156.19	82.282	ES
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	8,500.00	6,840.28	2,540.20	2,359.90	14.088	SF
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	8,138.31	6,850.31	1,602.04	1,564.37	42.535	CC
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	8,200.00	6,850.31	1,603.23	1,564.28	41.168	ES
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	9,000.00	6,850.34	1,819.08	1,764.30	33.202	SF
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	13,990.56	6,758.12	803.74	608.56	4.118	CC
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	14,000.00	6,758.00	803.79	608.48	4.115	ES, SF
ABDN VERT REINICK 2 - Wellbore #1 - Wellbore #1	13,067.99	6,760.84	139.64	-20.37	0.873	Level 3, CC, ES, SF
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	12,943.98	6,748.90	1,273.90	974.27	4.252	CC, ES
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	13,000.00	6,748.44	1,275.13	974.50	4.241	SF
ABDN VERT RICHARDSON 10-12 - Wellbore #1 - Wellb	14,890.31	6,615.97	2,710.64	2,500.38	12.891	CC, ES, SF
ABDN VERT RUFF 1 - Wellbore #1 - Design #1	7,890.33	6,859.68	183.44	15.40	1.092	Level 3, CC, ES, SF
ABDN VERT RYANN STATE C 16-27 - Wellbore #1 - We						Out of range
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	2,689.16	2,619.35	2,808.20	2,795.23	216.449	CC

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 04N
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 04N	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)						
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	2,900.00	2,819.18	2,808.92	2,794.49	194.655	ES
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	6,450.00	6,240.78	2,998.73	2,965.30	89.709	SF
ABDN VERT SLEDGE C 9-28 - Wellbore #1 - Design #1	12,436.84	6,784.05	604.51	318.32	2.112	CC, ES
ABDN VERT SLEDGE C 9-28 - Wellbore #1 - Design #1	12,500.00	6,783.53	607.80	319.94	2.111	SF
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1	11,098.48	6,816.00	660.11	410.30	2.642	CC
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1	11,100.00	6,815.98	660.12	410.25	2.642	ES, SF
ABDN VERT SMITH 1 - Wellbore #1 - Design #1	10,458.18	6,824.24	174.34	-55.00	0.760	Level 3, CC, ES, SF
ABDN VERT SMITH 2 - Wellbore #1 - Design #1	11,790.94	6,800.33	144.17	-120.65	0.544	Level 3, CC, ES, SF
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	11,779.34	6,787.72	1,017.99	749.93	3.798	CC
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	11,800.00	6,787.55	1,018.20	749.76	3.793	ES, SF
ABDN VERT STATE 16-214 - Wellbore #1 - Wellbore #1						Out of range
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	9,917.92	6,817.01	1,787.33	1,704.60	21.606	CC, ES
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	10,400.00	6,805.76	1,851.16	1,760.10	20.330	SF
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,526.38	7,308.46	3,090.61	2,894.07	15.725	CC
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,600.00	7,309.21	3,091.49	2,893.45	15.611	ES
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	13,000.00	7,313.31	3,126.68	2,922.56	15.317	SF
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	9,740.01	6,972.98	3,095.55	2,999.87	32.352	CC
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	9,800.00	6,972.37	3,096.13	2,998.80	31.810	ES
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	10,800.00	6,962.23	3,271.97	3,152.63	27.417	SF
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore	9,922.29	6,968.12	2,163.05	2,058.70	20.729	CC
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore	10,000.00	6,967.99	2,164.44	2,058.09	20.352	ES
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore	10,500.00	6,967.18	2,238.87	2,122.42	19.227	SF
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore	8,508.06	6,916.10	2,122.93	2,062.60	35.188	CC
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore	8,600.00	6,916.51	2,124.92	2,062.20	33.878	ES
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore	9,600.00	6,920.82	2,387.30	2,302.32	28.091	SF
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #	7,270.03	7,083.30	2,146.32	2,090.45	38.412	CC, ES
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #	8,600.00	7,147.11	2,522.11	2,445.90	33.094	SF
EXIST DD NGL C1C - Wellbore #1 - Wellbore #1						Out of range
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,489.97	6,905.72	782.41	722.11	12.975	CC
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,500.00	6,905.71	782.48	721.90	12.918	ES
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,700.00	6,905.56	810.12	744.99	12.439	SF
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	9,727.60	6,944.00	1,078.55	982.47	11.225	CC, ES
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	9,900.00	6,940.46	1,092.24	993.17	11.024	SF
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	6,427.92	6,318.97	807.83	762.59	17.857	SF
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	6,879.78	6,753.23	777.37	737.46	19.479	CC, ES
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	6,427.92	6,318.97	807.83	762.59	17.857	SF
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	6,879.78	6,753.23	777.37	737.46	19.479	CC, ES
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #	6,450.00	6,330.50	592.12	545.78	12.776	SF
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #	6,895.64	6,773.13	494.39	456.75	13.134	CC, ES
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #	6,750.00	6,607.58	229.95	190.07	5.765	SF
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #	6,793.46	6,624.77	226.50	188.16	5.908	CC, ES
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #	6,928.36	6,697.37	56.42	20.99	1.593	CC, ES, SF
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #	4,670.39	4,499.07	112.30	77.36	3.214	CC, ES
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #	4,700.00	4,526.63	112.80	77.69	3.213	SF
EXIST HZ CHALLENGER 6N - Wellbore #1 - Wellbore #	4,177.23	4,022.22	103.81	74.09	3.493	CC, ES, SF
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #	3,567.92	3,452.94	245.08	219.09	9.430	CC, ES
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #	3,600.00	3,481.83	245.52	219.30	9.364	SF
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #	3,317.97	3,215.50	323.99	299.60	13.281	CC, ES
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #	3,400.00	3,276.13	327.64	302.65	13.114	SF
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #	2,964.11	2,873.36	420.40	398.06	18.811	CC, ES
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #	3,200.00	3,080.72	435.78	411.67	18.072	SF
EXIST HZ FRANKLIN C17-69HN - Wellbore #1 - Wellbor						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 04N
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 04N	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)						
EXIST HZ HAROLD 6X-232 - Wellbore #1 - Wellbore #1	11,081.87	13,675.70	1,605.88	1,296.62	5.193	CC
EXIST HZ HAROLD 6X-232 - Wellbore #1 - Wellbore #1	14,890.31	17,485.98	1,639.27	1,117.46	3.142	ES, SF
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	7,952.21	10,596.00	1,916.47	1,775.41	13.586	CC
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	14,800.00	17,354.76	1,950.60	1,436.41	3.793	ES
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	14,890.31	17,430.24	1,955.20	1,436.50	3.769	SF
EXIST HZ HAROLD 6Y-202 - Wellbore #1 - Wellbore #1	7,197.86	9,807.49	1,039.27	928.49	9.381	CC
EXIST HZ HAROLD 6Y-202 - Wellbore #1 - Wellbore #1	14,890.31	17,475.00	1,079.23	558.01	2.071	ES, SF
EXIST HZ HAROLD 6Y-312 - Wellbore #1 - Wellbore #1	9,069.02	11,745.06	1,262.38	1,063.90	6.360	CC
EXIST HZ HAROLD 6Y-312 - Wellbore #1 - Wellbore #1	14,890.31	17,578.45	1,279.32	758.18	2.455	ES, SF
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	0.00	0.00	1,392.29			
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	100.00	93.36	1,392.43	1,392.25	7,901.591	ES
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	5,300.00	4,516.42	3,137.48	3,105.66	98.587	SF
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	100.00	76.00	1,403.04	1,402.87	8,236.690	CC
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	400.00	374.61	1,403.04	1,401.65	1,008.245	ES
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	5,400.00	4,363.74	3,274.99	3,243.27	103.242	SF
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	0.00	0.00	1,413.84			
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	4,700.00	3,792.00	3,071.25	3,042.65	107.406	SF
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	2,555.34	2,714.99	1,144.09	1,128.13	71.686	CC
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	2,600.00	2,756.81	1,144.18	1,127.89	70.256	ES
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	7,900.00	6,588.53	1,748.34	1,703.01	38.563	SF
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	2,175.39	2,329.76	1,185.26	1,172.47	92.618	CC
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	2,200.00	2,349.89	1,185.32	1,172.34	91.299	ES
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	8,300.00	6,365.00	2,243.19	2,195.30	46.839	SF
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	1,432.24	1,540.21	1,270.52	1,263.66	185.122	CC, ES
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	8,500.00	6,365.00	2,501.44	2,450.60	49.200	SF
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	576.72	574.19	1,328.88	1,326.79	635.995	CC
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	600.00	596.59	1,328.89	1,326.70	607.480	ES
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	8,700.00	6,315.64	2,861.19	2,806.89	52.693	SF
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	615.88	614.48	1,338.76	1,336.40	567.829	CC
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	700.00	698.17	1,339.04	1,336.32	492.612	ES
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	9,000.00	6,316.91	3,231.15	3,170.90	53.631	SF
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	282.81	279.72	1,349.00	1,348.09	1,493.655	CC
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	600.64	597.61	1,349.19	1,346.91	591.450	ES
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	8,700.00	6,238.02	3,245.73	3,187.65	55.881	SF
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	456.30	453.33	1,359.72	1,358.06	819.733	CC, ES
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	8,300.00	6,269.00	3,263.76	3,210.27	61.018	SF
EXIST HZ JAGGED 8N - Wellbore #1 - Wellbore #1	0.00	0.00	1,371.02			
EXIST HZ JAGGED 8N - Wellbore #1 - Wellbore #1	7,700.00	6,269.00	3,268.38	3,224.75	74.901	SF
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	0.00	0.00	1,381.89			
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	442.74	442.17	1,382.58	1,380.98	863.972	ES
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	5,200.00	4,578.37	2,931.80	2,900.49	93.650	SF
EXIST HZ MARK ALTER C16-79HN - Wellbore #1 - Well						Out of range
EXIST HZ NORTHROP C 08-73HN - Wellbore #1 - Wellb	8,477.42	7,195.33	30.15	5.39	1.218	Level 3, CC, ES, SF
EXIST HZ NORTHROP C 08-75HN - Wellbore #1 - Wellb	7,253.60	7,510.09	89.61	68.85	4.317	CC, ES
EXIST HZ NORTHROP C 08-75HN - Wellbore #1 - Wellb	7,300.00	7,508.45	102.21	70.14	3.187	SF
EXIST HZ OREDIGGER C10-69HN - Wellbore #1 - Well	14,890.31	6,522.01	841.71	645.11	4.281	CC, ES, SF
EXIST HZ SANDY HILLS PC C17-67HN - Wellbore #1 -						Out of range
EXIST HZ STOCKLEY C15-79HN - Wellbore #1 - Wellbo	14,890.31	13,772.00	1,984.26	1,746.82	8.357	CC, ES, SF
EXIST HZ ZANE ALTER C 09-21 - Wellbore #1 - Wellbo	12,609.28	9,676.66	655.98	590.06	9.952	CC, ES, SF
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	13,763.88	6,724.30	3,029.59	2,707.58	9.408	CC
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	13,800.00	6,724.01	3,029.81	2,706.91	9.383	ES
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	14,200.00	6,720.74	3,060.82	2,730.00	9.252	SF
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	11,105.94	6,768.56	2,992.78	2,743.68	12.014	CC

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 04N
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 04N	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 ALTER C 9-25 - Wellbore #1 - Design #1	11,200.00	6,767.79	2,994.26	2,742.85	11.910	ES
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	11,700.00	6,763.69	3,051.17	2,789.59	11.664	SF
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,123.40	6,783.65	1,945.37	1,695.54	7.787	CC
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,200.00	6,783.03	1,946.87	1,695.30	7.739	ES
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,400.00	6,781.39	1,964.93	1,709.71	7.699	SF
EXIST VERT BARTON C 15-29 - Wellbore #1 - Design #						Out of range
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	9,242.66	6,855.01	1,161.57	1,096.79	17.932	CC, ES
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	9,500.00	6,848.88	1,189.72	1,120.56	17.203	SF
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,425.43	6,822.42	1,646.85	1,549.48	16.914	CC
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,500.00	6,821.22	1,648.53	1,548.96	16.555	ES
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,800.00	6,816.39	1,688.90	1,582.47	15.870	SF
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	11,799.85	6,775.66	1,546.41	1,412.02	11.507	CC
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	11,800.00	6,775.65	1,546.41	1,412.02	11.507	ES
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	12,100.00	6,765.35	1,575.24	1,433.76	11.134	SF
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	11,324.79	6,692.29	2,353.82	2,232.44	19.392	CC
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	11,400.00	6,694.78	2,355.02	2,231.40	19.051	ES
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	12,000.00	6,713.13	2,448.66	2,312.02	17.921	SF
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	6,427.92	6,163.78	1,255.30	1,099.43	8.054	CC
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	6,450.00	6,185.85	1,255.61	1,099.29	8.032	ES
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	6,550.00	6,285.27	1,264.91	1,106.57	7.989	SF
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	4,108.93	3,935.98	839.69	816.97	36.966	CC, ES
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	5,000.00	4,750.51	913.48	885.99	33.225	SF
EXIST VERT CPC HARLESS 17-1 - Wellbore #1 - Wellb						Out of range
EXIST VERT EMBRICK C 10-19 - Wellbore #1 - Wellbor	14,890.31	6,656.58	1,437.08	1,358.97	18.400	CC, ES, SF
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	3,003.26	2,865.48	2,234.04	2,219.07	149.279	CC
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	3,100.00	2,949.11	2,234.43	2,218.79	142.822	ES
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	6,450.00	6,207.31	2,462.88	2,429.66	74.141	SF
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	249.83	242.84	2,633.35	2,632.66	3,842.125	CC
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	607.07	601.77	2,633.49	2,631.79	1,547.632	ES
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	6,500.00	6,215.03	3,251.52	3,221.19	107.203	SF
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	564.95	480.95	2,778.26	2,776.92	2,070.313	CC
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	600.00	511.70	2,778.31	2,776.89	1,952.329	ES
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	2,600.00	2,500.00	3,265.42	3,257.87	432.577	SF
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	179.51	130.47	1,867.04	1,866.66	4,946.545	CC
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	200.00	148.37	1,867.05	1,866.62	4,303.196	ES
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	10,100.00	6,858.75	2,495.33	2,414.53	30.885	SF
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,188.89	6,737.46	2,645.01	2,338.77	8.637	CC
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,300.00	6,736.55	2,647.34	2,338.51	8.572	ES
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,500.00	6,734.92	2,663.24	2,350.60	8.519	SF
EXIST VERT HAGEN 9-15 - Wellbore #1 - Design #1						Out of range
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,086.91	6,892.06	2,579.36	2,381.58	13.042	CC
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,100.00	6,891.16	2,579.39	2,381.29	13.021	ES
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,500.00	6,863.54	2,612.07	2,406.80	12.725	SF
EXIST VERT HARLESS PM C 17-2 - Wellbore #1 - Desi						Out of range
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	11,785.57	6,760.90	2,456.99	2,189.28	9.178	CC
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	11,800.00	6,760.79	2,457.04	2,188.97	9.166	ES
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	12,100.00	6,758.33	2,477.03	2,202.74	9.031	SF
EXIST VERT JOHNSON 9-13 - Wellbore #1 - Wellbore #						Out of range
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,214.94	6,724.77	1,873.27	1,699.64	10.789	CC
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,300.00	6,723.63	1,875.20	1,699.01	10.643	ES
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,500.00	6,720.95	1,894.83	1,714.16	10.488	SF
EXIST VERT NGL C1A - Wellbore #1 - Design #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 04N
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 04N	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 NGL C1B - Wellbore #1 - Design #1	600.00	523.00	3,164.80	3,153.50	280.245	CC
EXIST VERT NGL C1B - Wellbore #1 - Design #1	700.00	622.98	3,166.54	3,153.00	233.902	ES
EXIST VERT NGL C1B - Wellbore #1 - Design #1	1,400.00	1,312.64	3,275.40	3,246.27	112.441	SF
EXIST VERT REINICK 10-5 - Wellbore #1 - Wellbore #1	14,890.31	6,627.16	1,470.81	1,280.17	7.715	CC, ES, SF
EXIST VERT REINICK 1-10-4-64 - Wellbore #1 - Wellbo	14,890.31	6,727.78	918.73	868.83	18.410	CC, ES, SF
EXIST VERT REINICK 3 - Wellbore #1 - Wellbore #1	14,373.57	6,736.07	115.74	-62.72	0.649	Level 3, CC, ES, SF
EXIST VERT REINICK C 10-31 - Wellbore #1 - Wellbore	14,779.76	6,719.95	527.08	310.06	2.429	CC, ES, SF
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	12,489.71	6,774.89	571.00	283.56	1.987	CC, ES
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	12,500.00	6,774.80	571.09	283.58	1.986	SF
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,775.97	6,734.10	1,771.25	1,448.75	5.492	CC
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,800.00	6,733.91	1,771.41	1,448.38	5.484	ES
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,900.00	6,733.09	1,775.59	1,450.74	5.466	SF
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,153.87	6,827.82	1,542.83	1,480.29	24.670	CC
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,200.00	6,827.39	1,543.52	1,479.71	24.190	ES
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,700.00	6,822.55	1,636.63	1,562.02	21.936	SF
EXIST VERT RICHARDSON 10-13 - Wellbore #1 - Desig						Out of range
EXIST VERT ROHR 15-414 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT ROHR C 15-19 - Wellbore #1 - Wellbore #1						Out of range
EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1	8,799.86	6,845.78	121.41	68.29	2.285	ES, SF
EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1	8,800.00	6,845.78	121.41	68.29	2.285	CC
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	337.58	315.50	426.78	425.86	466.082	CC
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	400.00	377.18	426.83	425.74	391.883	ES
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	8,500.00	6,909.95	1,053.23	1,008.60	23.599	SF
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	9,434.59	6,847.62	365.48	160.18	1.780	CC, ES, SF
EXIST VERT RYANN STATE C 16-1 - Wellbore #1 - Wel						Out of range
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	100.00	58.05	1,583.10	1,582.95	10,000.000	CC
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	700.00	671.60	1,584.24	1,582.32	825.086	ES
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	8,800.00	6,840.93	3,256.59	3,212.79	74.352	SF
EXIST VERT SLEDGE C 9-31 - Wellbore #1 - Design #1	10,002.62	6,818.60	572.27	352.33	2.602	CC, ES, SF
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,657.06	6,802.86	1,313.84	1,076.38	5.533	CC
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,700.00	6,802.51	1,314.54	1,076.18	5.515	ES
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,800.00	6,801.69	1,321.59	1,081.57	5.506	SF
EXIST VERT SMITH C 9-19 - Wellbore #1 - Design #1	11,236.63	6,812.87	115.59	-132.87	0.465	Level 3, CC, ES, SF
EXIST VERT STATE 16-314 - Wellbore #1 - Design #1						Out of range
EXIST VERT STATE 16-414 - Wellbore #1 - Design #1						Out of range
EXIST VERT VERN JOHNSON 1-A - Wellbore #1 - Desi						Out of range
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,459.33	6,789.26	2,452.32	2,220.53	10.580	CC
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,500.00	6,788.93	2,452.65	2,219.88	10.536	ES
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,900.00	6,785.65	2,491.59	2,250.59	10.338	SF
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,385.17	6,700.00	1,597.75	1,391.36	7.741	CC
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,400.00	6,700.00	1,597.82	1,390.94	7.723	ES
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,600.00	6,700.00	1,612.13	1,400.61	7.622	SF
EXIST VERT WILMOTH C 3-33 - Wellbore #1 - Wellbore	14,890.31	6,726.62	2,163.04	1,943.26	9.842	CC, ES, SF
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	13,816.49	6,676.32	2,173.92	1,983.62	11.424	CC
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	13,900.00	6,674.52	2,175.53	1,982.73	11.284	ES
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	14,200.00	6,668.15	2,207.47	2,008.27	11.081	SF
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	12,601.22	6,739.99	2,247.24	2,090.66	14.352	CC
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	12,700.00	6,740.48	2,249.41	2,089.89	14.101	ES
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	13,100.00	6,742.44	2,301.93	2,133.88	13.698	SF
EXIST VERT WILMOTH C 9-27 - Wellbore #1 - Wellbore	13,719.99	6,755.87	1,038.51	851.15	5.543	CC, ES
EXIST VERT WILMOTH C 9-27 - Wellbore #1 - Wellbore	13,800.00	6,754.89	1,041.59	851.94	5.492	SF
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	300.00	45.00	43.92	41.969	CC, ES

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 04N
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 04N	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)						
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	15,031.47	723.36	290.52	1.671	SF
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	400.00	30.02	28.50	19.730	CC, ES
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	15,020.44	479.31	45.46	1.105	Level 3, SF
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	500.00	500.00	15.01	13.04	7.617	CC
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,888.05	249.66	-54.14	0.822	Level 3, ES, SF
HEN 05N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	15.01	12.58	6.199	CC
HEN 05N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,768.33	248.30	-54.90	0.819	Level 3, ES, SF
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	601.00	29.98	27.56	12.373	CC, ES
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	14,887.49	14,797.64	479.29	44.17	1.102	Level 3, SF
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	44.99	42.57	18.585	CC, ES
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,694.01	721.43	288.67	1.667	SF
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	59.96	57.54	24.770	CC, ES
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,745.04	958.62	521.72	2.194	SF
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	74.97	72.55	30.970	CC, ES
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,695.25	1,199.48	763.99	2.754	SF
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	89.98	87.56	37.171	CC, ES
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,785.18	1,438.00	1,000.95	3.290	SF
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	104.95	102.53	43.356	CC, ES
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,738.87	1,678.25	1,241.60	3.843	SF
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	119.96	117.54	49.557	CC, ES
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,830.66	1,917.29	1,481.14	4.396	SF
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	134.97	132.55	55.757	CC, ES
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,796.22	2,157.26	1,721.09	4.946	SF
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	149.98	147.56	61.957	CC, ES
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,908.23	2,396.56	1,960.41	5.495	SF
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	164.96	162.53	68.143	CC, ES
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,877.74	2,636.55	2,200.60	6.048	SF
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	179.93	177.51	74.328	CC, ES
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,964.97	2,875.79	2,439.86	6.597	SF
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	194.94	192.52	80.529	CC, ES
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	14,890.31	14,966.03	3,115.85	2,680.09	7.150	SF
HEN 18N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	209.95	207.53	86.729	CC, ES
HEN 18N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,068.59	268.62	264.05	58.750	SF
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	224.96	222.54	92.929	CC, ES
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,051.99	300.84	296.29	66.111	SF
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	500.00	499.00	239.93	237.96	121.857	CC, ES
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,029.21	339.42	334.88	74.744	SF
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	399.00	254.94	253.42	167.788	CC, ES
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,009.93	377.81	373.25	82.971	SF
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	298.00	269.95	268.88	252.847	CC, ES
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	1,200.00	1,063.20	463.18	458.10	91.216	SF