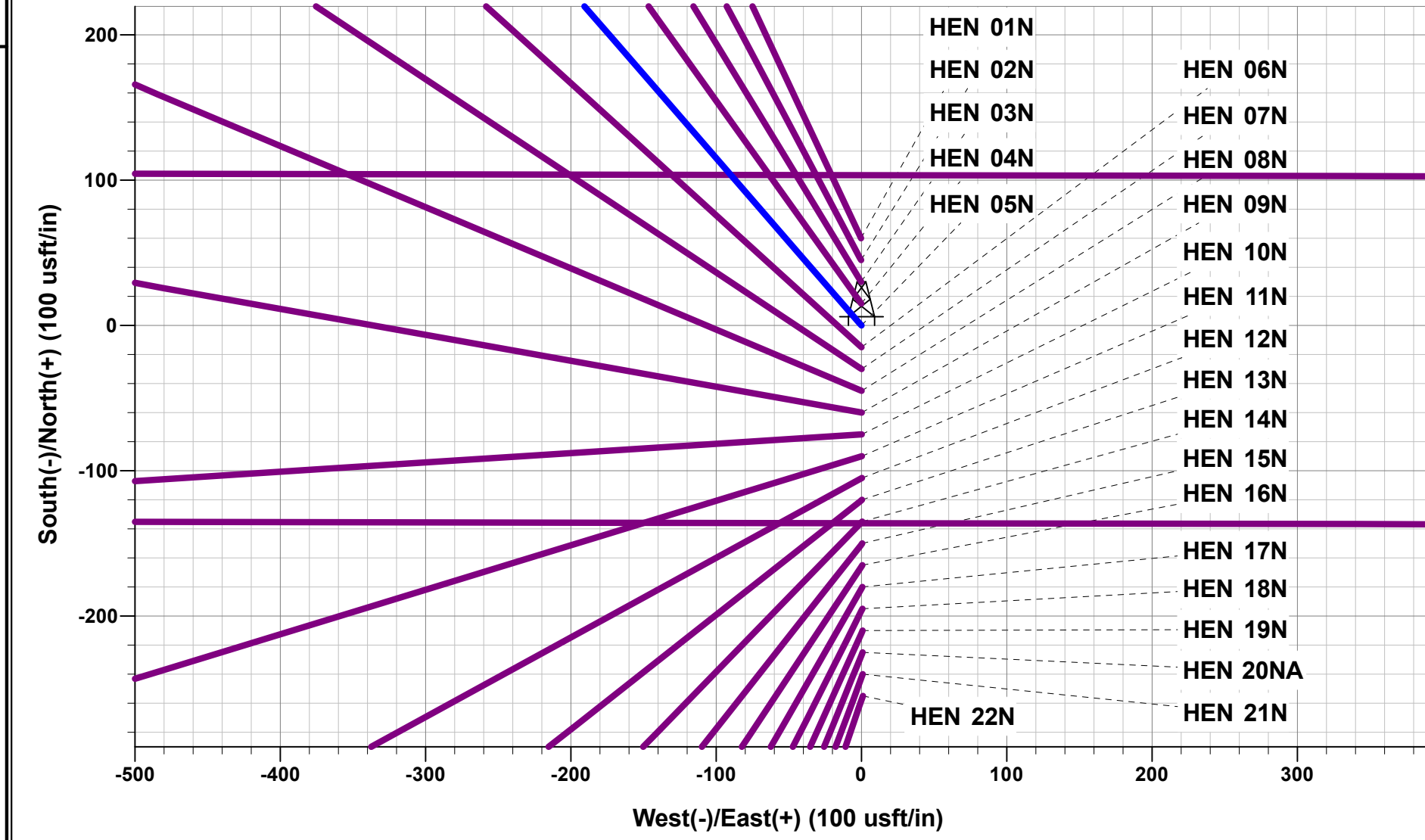




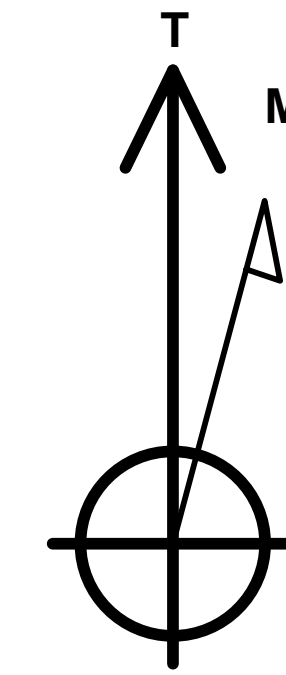
Project: WELD COUNTY, COLORADO (TRUE)  
 Site: SW NE SEC. 8 T4N R64W 6th P.M. (HEN)  
 Well: HEN 05N  
 Wellbore: ORIGINAL WELLBORE  
 Design: PROPOSAL #2

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: 2144ft FNL & 2044ft 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)
1585.82	17.72	319.07	1571.77	102.65	-89.00	-73.11	135.86	EOB TO 17.72° INC
5320.20	17.72	319.07	5129.05	961.25	-833.46	-684.65	1272.26	END OF TANGENT
6206.02	0.00	0.00	6000.82	1063.90	-922.46	-757.76	1408.12	EOD TO VERTICAL
6306.02	0.00	0.00	6100.82	1063.90	-922.46	-757.76	1408.12	KOP (8°/100ft BUR)
7243.52	75.00	90.10	6792.61	1062.97	-391.63	-232.72	1938.96	EP: 1079ft FNL & 2440ft FEL of Sec 8
7435.89	90.39	90.10	6817.00	1062.64	-201.39	-44.56	2129.19	HZ LANDING POINT
14768.32	90.39	90.11	6767.00	1049.22	7130.85	7207.63	9461.45	BHL: 1079ft FNL & 200ft FEL of Sec 9



PROPOSED LOCAL COORDINATES:  
 SHL: 2144ft FNL & 2044ft FEL of Sec 8  
 EP: 1079ft FNL & 2440ft FEL of Sec 8  
 BHL: 1079ft FNL & 200ft FEL of Sec 9

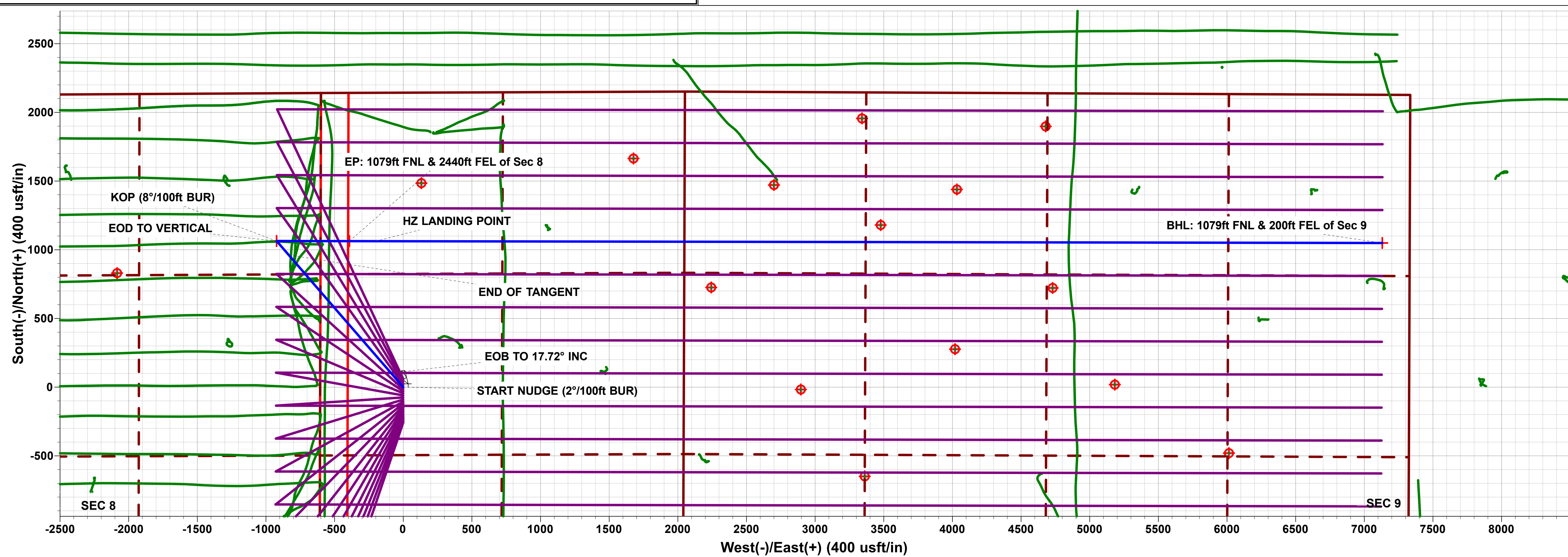
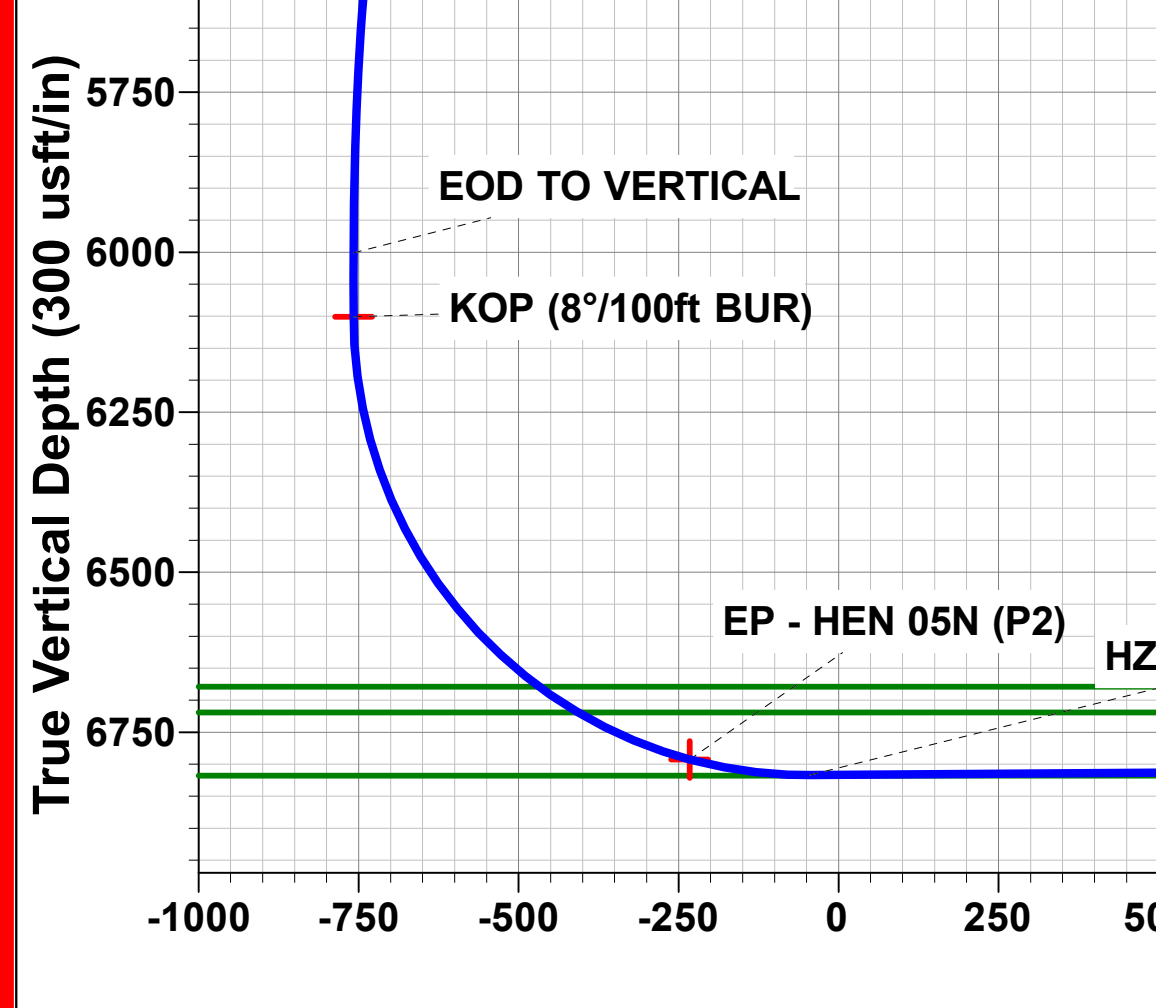
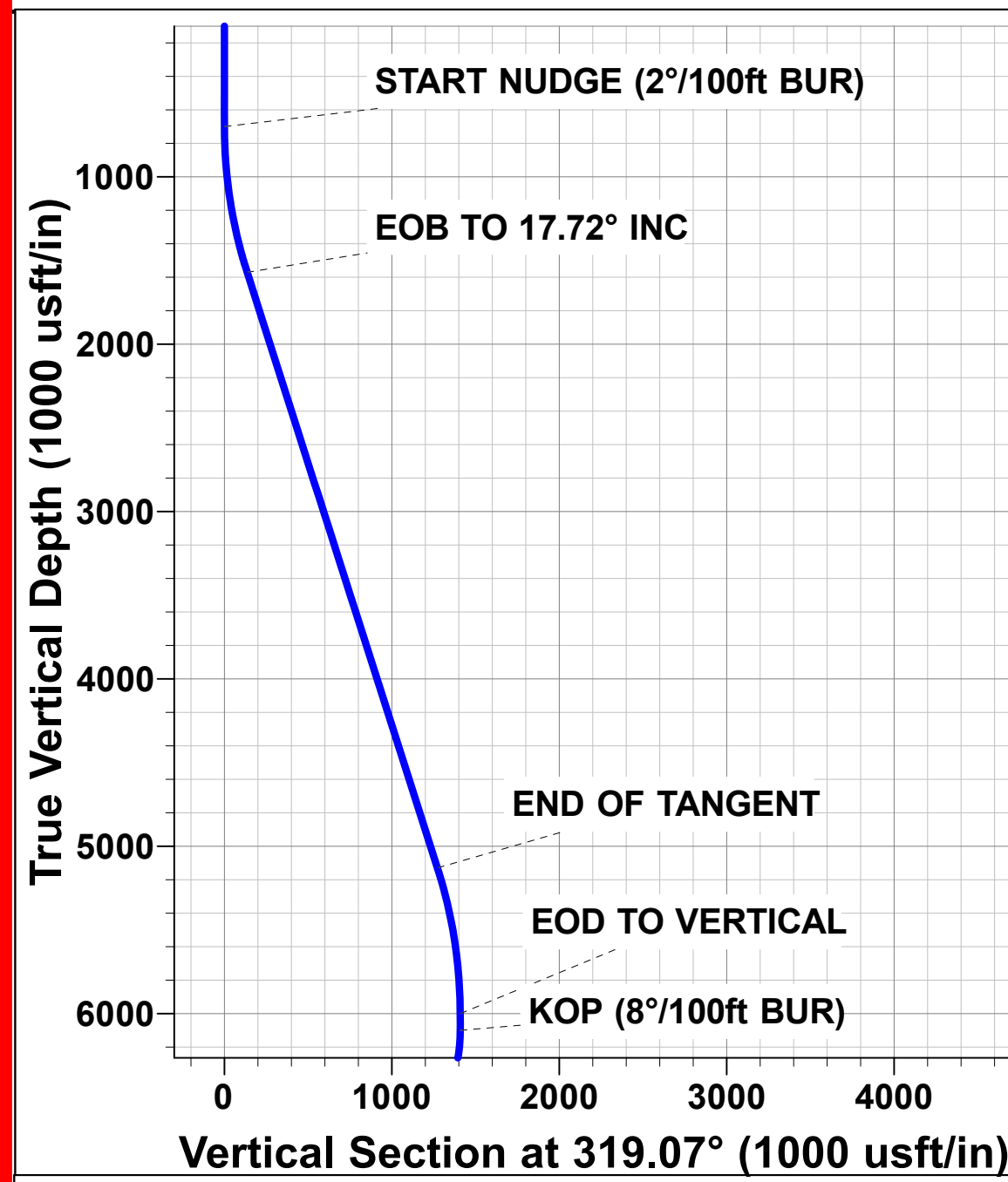


Azimuths to True North  
 Magnetic North: 7.76°

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 05N (P2)	6767.00	1049.22	7130.86	1364899.28	3265749.52	40.331128	-104.546768
EP - HEN 05N (P2)	6792.61	1062.97	-391.63	1364834.34	3258227.61	40.331169	-104.573749
KOP - HEN 05N (P2)	6100.82	1063.90	-922.46	1364829.72	3257696.83	40.331172	-104.575653





## **PDC ENERGY**

**WELD COUNTY, COLORADO (TRUE)  
SW NE SEC. 8 T4N R64W 6th P.M. (HEN)  
HEN 05N**

**ORIGINAL WELLBORE  
PROPOSAL #2**

# **Anticollision Summary Report**

**19 June, 2022**



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum centre distance of 3,280.83usft	<b>Error Surface:</b>	Ellipsoid Separation
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	2022-06-19		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	14,768.33	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 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	700.00	613.00	3,179.69	3,166.33	238.039	CC
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	800.00	712.98	3,181.42	3,165.82	203.952	ES
ABDN VERT CONQUEST SWD 1-8 - Wellbore #1 - Des	1,400.00	1,306.06	3,264.32	3,235.35	112.689	SF
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	6,316.85	6,084.95	608.25	590.13	33.555	CC, ES
ABDN VERT COX 8-1 - Wellbore #1 - Wellbore #1	6,350.00	6,119.33	608.68	590.51	33.503	SF
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	6,324.44	6,142.25	1,593.45	1,571.30	71.939	CC, ES
ABDN VERT COX PM C 8-4 - Wellbore #1 - Wellbore #1	6,450.00	6,268.63	1,603.72	1,581.33	71.627	SF
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	6,311.85	6,113.71	1,916.01	1,885.63	63.078	CC, ES
ABDN VERT COX PM C 8-5 - Wellbore #1 - Wellbore #1	6,350.00	6,150.78	1,916.96	1,886.55	63.032	SF
ABDN VERT GEHRING 8-15I4 - Wellbore #1 - Wellbore	724.52	667.57	2,174.26	2,172.29	1,105.445	CC, ES
ABDN VERT GEHRING 8-15I4 - Wellbore #1 - Wellbore	9,000.00	6,753.59	3,277.92	3,219.18	55.803	SF
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	100.00	61.70	988.14	987.99	6,799.508	CC
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	600.00	561.05	988.76	987.28	668.202	ES
ABDN VERT GEHRING C 8-10X - Wellbore #1 - Wellbor	8,800.00	6,768.22	2,398.03	2,349.08	48.992	SF
ABDN VERT HAGEN 9-16 - Wellbore #1 - Design #1						Out of range
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	700.00	656.00	1,153.96	1,139.73	81.115	CC
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	800.00	755.98	1,155.35	1,138.88	70.164	ES
ABDN VERT HEISER 1 - Wellbore #1 - Design #1	8,300.00	6,767.11	2,288.39	2,111.54	12.940	SF
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	8,016.00	6,770.48	1,841.08	1,803.74	49.302	CC, ES
ABDN VERT LEVI C 5-15 - Wellbore #1 - Wellbore #1	9,100.00	6,776.95	2,136.50	2,078.24	36.670	SF
ABDN VERT REINICK 1 - Wellbore #1 - Wellbore #1	13,869.60	6,682.67	565.60	370.44	2.898	CC, ES, SF
ABDN VERT REINICK 2 - Wellbore #1 - Wellbore #1	12,945.77	6,689.56	377.90	208.32	2.229	CC, ES, SF
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	12,822.47	6,681.29	1,034.24	736.00	3.468	CC, ES
ABDN VERT REINICK 9-7 - Wellbore #1 - Design #1	12,900.00	6,680.76	1,037.15	737.83	3.465	SF
ABDN VERT RICHARDSON 10-12 - Wellbore #1 - Wellb	14,768.33	6,558.15	2,484.01	2,276.73	11.984	CC, ES, SF
ABDN VERT RUFF 1 - Wellbore #1 - Design #1	7,768.89	6,785.13	423.12	256.47	2.539	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	3,728.51	3,618.15	2,738.21	2,719.56	146.839	CC
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	3,900.00	3,780.47	2,738.67	2,718.91	138.598	ES
ABDN VERT RYDGREN 8-1 - Wellbore #1 - Wellbore #1	6,350.00	6,194.87	2,805.98	2,774.63	89.501	SF

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	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 SLEDGE C 9-28 - Wellbore #1 - Design #1	12,315.34	6,715.75	844.17	559.36	2.964	CC, ES
ABDN VERT SLEDGE C 9-28 - Wellbore #1 - Design #1	12,400.00	6,715.17	848.41	561.44	2.956	SF
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1	10,977.00	6,745.87	899.78	651.42	3.623	CC
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1	11,000.00	6,745.72	900.08	650.98	3.613	ES
ABDN VERT SLEDGE C 9-29 - Wellbore #1 - Design #1	11,100.00	6,745.03	908.15	656.77	3.613	SF
ABDN VERT SMITH 1 - Wellbore #1 - Design #1	10,336.70	6,753.24	414.01	183.11	1.793	CC, ES, SF
ABDN VERT SMITH 2 - Wellbore #1 - Design #1	11,669.45	6,731.15	383.84	116.70	1.437	Level 3, CC, ES
ABDN VERT SMITH 2 - Wellbore #1 - Design #1	11,700.00	6,730.94	385.05	117.02	1.437	Level 3, SF
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	11,657.84	6,718.52	778.33	511.71	2.919	CC, ES
ABDN VERT SMITH 3 - Wellbore #1 - Design #1	11,700.00	6,718.23	779.47	512.27	2.917	SF
ABDN VERT STATE 16-214 - Wellbore #1 - Wellbore #1						Out of range
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	9,797.58	6,754.29	1,548.21	1,465.57	18.733	CC
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	9,800.00	6,754.24	1,548.22	1,465.51	18.720	ES
ABDN VERT THEA C 09-32 - Wellbore #1 - Wellbore #1	10,100.00	6,748.03	1,577.46	1,489.22	17.878	SF
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,403.64	7,238.27	2,851.39	2,654.99	14.518	CC
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,500.00	7,239.31	2,853.02	2,654.71	14.387	ES
EXIST DD ALTER C 09-24D - Wellbore #1 - Wellbore #1	12,800.00	7,242.55	2,878.80	2,676.07	14.200	SF
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	9,618.81	6,901.61	2,857.23	2,761.78	29.934	CC
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	9,700.00	6,900.79	2,858.39	2,760.68	29.254	ES
EXIST DD ALTER C 09-33D - Wellbore #1 - Wellbore #1	10,700.00	6,890.92	3,054.92	2,936.07	25.703	SF
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore #1	9,800.41	6,907.15	2,402.83	2,298.70	23.075	CC
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore #1	9,900.00	6,906.96	2,404.89	2,298.23	22.546	ES
EXIST DD BURMAN C 04-33D - Wellbore #1 - Wellbore #1	10,500.00	6,905.76	2,502.61	2,384.11	21.120	SF
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore #1	8,385.66	6,850.04	2,363.36	2,303.40	39.415	CC
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore #1	8,400.00	6,850.15	2,363.40	2,303.08	39.176	ES
EXIST DD BURMAN C 05-23D - Wellbore #1 - Wellbore #1	9,600.00	6,859.09	2,657.08	2,570.03	30.524	SF
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #1	7,147.00	7,006.64	2,386.28	2,330.97	43.144	CC
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #1	7,150.00	7,008.06	2,386.28	2,330.96	43.137	ES
EXIST DD BURMAN C05-24D - Wellbore #1 - Wellbore #1	8,600.00	7,076.39	2,790.59	2,712.53	35.751	SF
EXIST DD NGL C1C - Wellbore #1 - Wellbore #1						Out of range
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,367.77	6,843.44	1,022.48	962.58	17.070	CC
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,400.00	6,843.61	1,022.99	962.25	16.842	ES
EXIST DD RUFF C 08-27D - Wellbore #1 - Wellbore #1	8,700.00	6,845.17	1,075.10	1,008.01	16.023	SF
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	9,607.00	6,869.48	1,316.33	1,220.49	13.735	CC, ES
EXIST DD SLEDGE C 9-30D - Wellbore #1 - Wellbore #1	9,800.00	6,866.40	1,330.40	1,230.95	13.378	SF
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	4,123.73	3,844.46	943.13	918.23	37.866	CC, ES
EXIST HZ CHALLENGER 1N - ORIGINAL WELLBORE -	6,350.00	6,273.93	1,033.75	991.26	24.326	SF
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	4,123.73	3,844.46	943.13	918.23	37.866	CC, ES
EXIST HZ CHALLENGER 1N - SIDETRACK - SIDETRA	6,350.00	6,273.93	1,033.75	991.26	24.326	SF
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #1	6,400.00	6,323.28	806.20	763.67	18.959	SF
EXIST HZ CHALLENGER 2N - Wellbore #1 - Wellbore #1	6,823.66	6,741.79	736.49	699.31	19.808	CC, ES
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #1	6,550.00	6,456.56	483.64	442.71	11.814	SF
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #1	6,700.00	6,559.32	463.87	425.69	12.151	ES
EXIST HZ CHALLENGER 3N - Wellbore #1 - Wellbore #1	6,718.12	6,565.99	463.57	425.73	12.252	CC
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #1	6,800.00	6,631.54	189.52	151.43	4.976	SF
EXIST HZ CHALLENGER 4N - Wellbore #1 - Wellbore #1	6,848.49	6,649.16	183.97	147.81	5.088	CC, ES
EXIST HZ CHALLENGER 5N - Wellbore #1 - Wellbore #1	6,829.58	6,632.82	16.90	-16.79	0.502	Level 3, CC, ES, SF
EXIST HZ CHALLENGER 6N - Wellbore #1 - Wellbore #1	4,412.47	4,266.94	26.83	-3.25	0.892	Level 3, CC, ES, SF
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #1	3,794.44	3,691.56	152.77	126.07	5.722	CC
EXIST HZ CHALLENGER 7N - Wellbore #1 - Wellbore #1	3,800.00	3,696.81	152.79	126.05	5.714	ES, SF
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #1	3,526.12	3,433.58	254.14	229.09	10.147	CC, ES
EXIST HZ CHALLENGER 8N - Wellbore #1 - Wellbore #1	3,600.00	3,502.06	256.04	230.39	9.981	SF
EXIST HZ CHALLENGER 9N - Wellbore #1 - Wellbore #1	3,200.48	3,119.84	364.89	341.48	15.585	CC, ES

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	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 CHALLENGER 9N - Wellbore #1 - Wellbore #	3,300.00	3,206.00	368.01	343.80	15.205	SF
EXIST HZ FRANKLIN C17-69HN - Wellbore #1 - Wellbor						Out of range
EXIST HZ HAROLD 6X-232 - Wellbore #1 - Wellbore #1	10,961.69	13,677.55	1,844.56	1,535.26	5.964	CC
EXIST HZ HAROLD 6X-232 - Wellbore #1 - Wellbore #1	14,768.33	17,486.70	1,878.15	1,356.23	3.598	ES, SF
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	7,830.24	10,596.00	2,157.54	2,017.08	15.360	CC
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	14,700.00	17,364.20	2,192.13	1,677.62	4.261	ES
EXIST HZ HAROLD 6X-302 - Wellbore #1 - Wellbore #1	14,768.33	17,420.52	2,195.57	1,677.66	4.239	SF
EXIST HZ HAROLD 6Y-202 - Wellbore #1 - Wellbore #1	9,771.31	12,505.45	1,278.61	1,035.08	5.250	CC
EXIST HZ HAROLD 6Y-202 - Wellbore #1 - Wellbore #1	14,768.33	17,475.00	1,319.76	799.29	2.536	ES, SF
EXIST HZ HAROLD 6Y-312 - Wellbore #1 - Wellbore #1	8,933.70	11,731.76	1,505.18	1,308.14	7.639	CC
EXIST HZ HAROLD 6Y-312 - Wellbore #1 - Wellbore #1	14,768.33	17,581.52	1,522.47	1,002.81	2.930	ES, SF
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	0.00	0.00	1,381.84			
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	100.00	93.35	1,381.99	1,381.81	7,842.622	ES
EXIST HZ JAGGED 10N - Wellbore #1 - Wellbore #1	5,300.00	4,585.27	2,952.16	2,920.28	92.604	SF
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	392.42	369.77	1,392.67	1,391.30	1,020.673	CC
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	400.00	374.73	1,392.68	1,391.28	1,000.617	ES
EXIST HZ JAGGED 11N - Wellbore #1 - Wellbore #1	5,320.20	4,471.63	3,052.57	3,020.66	95.663	SF
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	0.00	0.00	1,403.56			
EXIST HZ JAGGED 12N - Wellbore #1 - Wellbore #1	5,300.00	4,358.05	3,226.96	3,194.91	100.672	SF
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	3,156.26	3,282.13	1,045.85	1,026.06	52.842	CC
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	3,200.00	3,310.00	1,046.10	1,026.02	52.103	ES
EXIST HZ JAGGED 1N - Wellbore #1 - Wellbore #1	7,350.00	6,656.00	1,348.85	1,308.67	33.568	SF
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	2,544.34	2,657.90	1,113.90	1,098.81	73.837	CC
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	2,600.00	2,709.30	1,114.06	1,098.57	71.899	ES
EXIST HZ JAGGED 2N - Wellbore #1 - Wellbore #1	6,800.00	6,505.50	1,550.43	1,514.24	42.846	SF
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	2,016.99	2,127.05	1,228.23	1,217.18	111.110	CC
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	2,100.00	2,200.84	1,228.72	1,217.02	105.020	ES
EXIST HZ JAGGED 3N - Wellbore #1 - Wellbore #1	8,100.00	6,365.00	2,140.02	2,093.57	46.073	SF
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	1,434.38	1,494.67	1,315.24	1,308.81	204.466	CC, ES
EXIST HZ JAGGED 4N - Wellbore #1 - Wellbore #1	8,400.00	6,313.79	2,554.02	2,503.13	50.195	SF
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	962.28	971.47	1,327.54	1,323.65	341.748	CC
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	1,100.00	1,106.00	1,328.02	1,323.51	294.384	ES
EXIST HZ JAGGED 5N - Wellbore #1 - Wellbore #1	8,700.00	6,312.76	2,924.27	2,867.52	51.531	SF
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	281.61	278.52	1,338.23	1,337.33	1,490.266	CC
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	700.00	690.58	1,338.67	1,335.97	495.923	ES
EXIST HZ JAGGED 6N - Wellbore #1 - Wellbore #1	8,900.00	6,174.00	3,207.46	3,146.64	52.734	SF
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	456.20	453.23	1,349.05	1,347.40	813.502	CC, ES
EXIST HZ JAGGED 7N - Wellbore #1 - Wellbore #1	8,700.00	6,269.00	3,267.78	3,206.43	53.263	SF
EXIST HZ JAGGED 8N - Wellbore #1 - Wellbore #1	0.00	0.00	1,360.41			
EXIST HZ JAGGED 8N - Wellbore #1 - Wellbore #1	8,300.00	6,269.00	3,239.73	3,183.52	57.635	SF
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	0.00	0.00	1,371.36			
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	442.55	441.91	1,372.07	1,370.47	857.919	ES
EXIST HZ JAGGED 9N - Wellbore #1 - Wellbore #1	7,500.00	6,211.42	3,265.58	3,222.67	76.103	SF
EXIST HZ MARK ALTER C16-79HN - Wellbore #1 - Well						Out of range
EXIST HZ NORTHRUP C 08-73HN - Wellbore #1 - Wellb	8,300.00	7,419.47	106.24	71.06	3.020	SF
EXIST HZ NORTHRUP C 08-73HN - Wellbore #1 - Wellb	8,373.45	7,426.05	77.03	52.10	3.091	CC, ES
EXIST HZ NORTHRUP C 08-75HN - Wellbore #1 - Wellb	7,149.91	7,753.77	155.40	133.69	7.158	CC
EXIST HZ NORTHRUP C 08-75HN - Wellbore #1 - Wellb	7,150.00	7,753.76	155.40	133.68	7.154	ES
EXIST HZ NORTHRUP C 08-75HN - Wellbore #1 - Wellb	7,250.00	7,751.94	190.57	155.18	5.386	SF
EXIST HZ OREDIGGER C10-69HN - Wellbore #1 - Well	14,768.33	6,486.29	1,040.72	826.13	4.850	CC, ES, SF
EXIST HZ SANDY HILLS PC C17-67HN - Wellbore #1 -						Out of range
EXIST HZ STOCKLEY C15-79HN - Wellbore #1 - Wellbo	14,768.33	13,772.00	1,746.19	1,507.57	7.318	CC, ES, SF

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	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 ZANE ALTER C 09-21 - Wellbore #1 - Wellbor	12,479.43	9,464.10	716.25	653.08	11.337	CC, ES
EXIST HZ ZANE ALTER C 09-21 - Wellbore #1 - Wellbor	12,500.00	9,464.62	716.55	653.31	11.330	SF
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	13,642.34	6,657.79	2,789.94	2,469.28	8.701	CC
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	13,700.00	6,657.40	2,790.54	2,468.46	8.664	ES
EXIST VERT ALTER C 9-23 - Wellbore #1 - Design #1	14,000.00	6,655.35	2,812.77	2,484.73	8.574	SF
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	10,984.45	6,698.44	2,753.11	2,505.48	11.118	CC
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	11,100.00	6,697.65	2,755.54	2,505.08	11.002	ES
EXIST VERT ALTER C 9-25 - Wellbore #1 - Design #1	11,500.00	6,694.93	2,800.97	2,542.42	10.834	SF
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,001.91	6,713.56	1,705.70	1,457.34	6.868	CC, ES
EXIST VERT AMANDA ALTER C 9-20 - Wellbore #1 - De	11,200.00	6,712.21	1,717.16	1,464.84	6.806	SF
EXIST VERT BARTON C 15-29 - Wellbore #1 - Design #						Out of range
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	9,122.42	6,773.28	923.97	859.36	14.301	CC, ES
EXIST VERT BENNER 1 - Wellbore #1 - Wellbore #1	9,300.00	6,769.71	940.87	873.36	13.936	SF
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,304.54	6,744.40	1,885.72	1,788.45	19.387	CC
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,400.00	6,743.16	1,888.13	1,788.13	18.881	ES
EXIST VERT CONNELL 14-4 - Wellbore #1 - Wellbore #	10,800.00	6,738.09	1,949.72	1,841.11	17.952	SF
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	11,680.10	6,705.22	1,785.06	1,650.69	13.285	CC
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	11,700.00	6,704.67	1,785.17	1,650.18	13.225	ES
EXIST VERT CONNELL 3 - Wellbore #1 - Wellbore #1	12,000.00	6,696.48	1,813.47	1,671.43	12.767	SF
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	11,199.47	6,603.64	2,589.69	2,468.53	21.374	CC
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	11,300.00	6,608.53	2,591.64	2,467.57	20.889	ES
EXIST VERT CONNELL C 4-25 - Wellbore #1 - Wellbore	12,000.00	6,636.15	2,710.42	2,571.71	19.541	SF
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	6,306.02	6,088.82	1,184.98	1,035.80	7.944	CC, ES
EXIST VERT COX 8-19D - Wellbore #1 - Design #1	6,400.00	6,182.53	1,191.01	1,039.89	7.881	SF
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	4,474.46	4,292.38	736.80	713.54	31.676	CC
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	4,500.00	4,315.66	736.85	713.41	31.442	ES
EXIST VERT COX PM C 8-6 - Wellbore #1 - Wellbore #1	6,400.00	6,193.49	837.18	807.10	27.826	SF
EXIST VERT CPC HARLESS 17-1 - Wellbore #1 - Wellb						Out of range
EXIST VERT EMBRICK C 10-19 - Wellbore #1 - Wellbor	14,768.33	6,592.90	1,368.17	1,322.55	29.991	CC, ES, SF
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	3,613.30	3,438.62	2,167.08	2,149.42	122.688	CC
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	3,800.00	3,617.62	2,167.77	2,148.87	114.669	ES
EXIST VERT ENGLAND 8-3-17 - Wellbore #1 - Wellbore	6,350.00	6,156.00	2,266.62	2,235.35	72.476	SF
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	245.80	238.80	2,623.18	2,622.51	3,897.756	CC
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	700.00	682.84	2,623.48	2,621.54	1,349.556	ES
EXIST VERT ENGLAND 8-35 - Wellbore #1 - Wellbore #	6,350.00	6,117.80	3,023.56	2,994.45	103.863	SF
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	705.48	626.69	2,765.12	2,763.44	1,651.493	CC, ES
EXIST VERT GEHRING 1 - Wellbore #1 - Wellbore #1	2,900.00	2,789.77	3,271.90	3,263.43	386.182	SF
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	179.82	130.78	1,858.11	1,857.73	4,911.496	CC
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	200.00	148.41	1,858.13	1,857.69	4,282.351	ES
EXIST VERT GEHRING 8-914 - Wellbore #1 - Wellbore #	9,900.00	6,785.64	2,244.42	2,165.66	28.497	SF
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,067.36	6,670.17	2,405.35	2,100.49	7.890	CC
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,100.00	6,669.95	2,405.57	2,099.91	7.870	ES
EXIST VERT HAGEN 9-10 - Wellbore #1 - Design #1	13,400.00	6,667.90	2,428.24	2,116.86	7.798	SF
EXIST VERT HAGEN 9-15 - Wellbore #1 - Design #1						Out of range
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	13,970.67	6,810.38	2,344.50	2,146.65	11.850	CC
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,000.00	6,808.39	2,344.68	2,146.12	11.808	ES
EXIST VERT HAGEN 9-9 - Wellbore #1 - Wellbore #1	14,300.00	6,786.86	2,367.41	2,163.42	11.606	SF
EXIST VERT HARLESS PM C 17-2 - Wellbore #1 - Desi						Out of range
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	11,664.07	6,691.72	2,217.33	1,951.05	8.327	CC
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	11,700.00	6,691.47	2,217.62	1,950.47	8.301	ES
EXIST VERT JOHNSON 9-11 - Wellbore #1 - Design #1	12,000.00	6,689.43	2,242.63	1,969.64	8.215	SF
EXIST VERT JOHNSON 9-13 - Wellbore #1 - Wellbore #						Out of range

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	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 VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,093.90	6,652.21	2,111.75	1,938.15	12.165	CC
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,200.00	6,650.50	2,114.41	1,937.74	11.968	ES
EXIST VERT MCCLINTOCK C 4-15 - Wellbore #1 - Well	13,500.00	6,645.53	2,150.43	1,967.68	11.767	SF
EXIST VERT NGL C1A - Wellbore #1 - Design #1						Out of range
EXIST VERT NGL C1B - Wellbore #1 - Design #1	700.00	623.00	3,151.87	3,138.33	232.787	CC
EXIST VERT NGL C1B - Wellbore #1 - Design #1	800.00	722.98	3,153.59	3,137.81	199.840	ES
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	1,500.00	1,412.64	3,261.21	3,229.84	103.974	SF
EXIST VERT REINICK 10-5 - Wellbore #1 - Wellbore #1	14,768.33	6,574.01	1,265.92	1,089.18	7.163	CC, ES, SF
EXIST VERT REINICK 1-10-4-64 - Wellbore #1 - Wellbo	14,768.33	6,662.66	1,017.09	926.74	11.257	CC, ES, SF
EXIST VERT REINICK 3 - Wellbore #1 - Wellbore #1	14,251.27	6,669.80	355.23	149.52	1.727	CC, ES, SF
EXIST VERT REINICK C 10-31 - Wellbore #1 - Wellbore	14,657.63	6,656.92	286.19	69.57	1.321	Level 3, CC, ES, SF
EXIST VERT REINICK C 9-18 - Wellbore #1 - Design #1	12,368.20	6,706.65	331.34	45.39	1.159	Level 3, CC, ES, SF
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,654.44	6,667.61	1,531.60	1,210.44	4.769	CC
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,700.00	6,667.30	1,532.28	1,210.16	4.757	ES
EXIST VERT REINICK C 9-22 - Wellbore #1 - Design #1	13,800.00	6,666.61	1,538.50	1,214.94	4.755	SF
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,032.57	6,760.76	1,781.77	1,719.43	28.579	CC
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,100.00	6,760.21	1,783.05	1,718.88	27.788	ES
EXIST VERT REISTAD 1 - Wellbore #1 - Wellbore #1	9,700.00	6,755.41	1,902.67	1,825.91	24.786	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
<b>EXIST VERT RUFF 8-114 - Wellbore #1 - Wellbore #1</b>	<b>8,679.68</b>	<b>6,772.18</b>	<b>118.15</b>	<b>65.18</b>	<b>2.230</b>	<b>CC, ES, SF</b>
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	338.85	316.78	438.76	437.84	477.251	CC
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	400.00	377.18	438.81	437.72	402.837	ES
EXIST VERT RUFF 8-714 - Wellbore #1 - Wellbore #1	8,300.00	6,821.91	803.72	761.12	18.866	SF
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	9,313.13	6,775.21	605.16	401.41	2.970	CC, ES
EXIST VERT RUFF C 8-1 - Wellbore #1 - Design #1	9,400.00	6,774.62	611.36	405.45	2.969	SF
EXIST VERT RYANN STATE C 16-1 - Wellbore #1 - Wel						Out of range
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	100.00	58.11	1,572.08	1,571.93	10,000.000	CC
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	800.00	770.55	1,572.69	1,570.51	720.145	ES
EXIST VERT RYDGREN 8-31 - Wellbore #1 - Wellbore #	8,500.00	6,768.52	2,958.15	2,918.06	73.788	SF
EXIST VERT SLEDGE C 9-31 - Wellbore #1 - Design #1	9,881.16	6,746.97	332.60	114.23	1.523	CC, ES, SF
EXIST VERT SMITH 9-5 - Wellbore #1 - Wellbore #1	10,535.58	6,732.13	1,074.17	838.21	4.552	CC, ES
EXIST VERT SMITH 9-5 - Wellbore #1 - Design #1	10,600.00	6,731.69	1,076.10	838.90	4.537	SF
<b>EXIST VERT SMITH C 9-19 - Wellbore #1 - Design #1</b>	<b>11,115.14</b>	<b>6,742.93</b>	<b>124.08</b>	<b>-124.51</b>	<b>0.499</b>	<b>Level 3, CC, ES, SF</b>
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	10,337.85	6,718.26	2,212.65	1,982.37	9.609	CC
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,400.00	6,717.84	2,213.52	1,981.73	9.550	ES
EXIST VERT VERN JOHNSON 2 - Wellbore #1 - Design	10,700.00	6,715.79	2,242.08	2,004.16	9.423	SF
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,263.31	6,635.23	1,835.90	1,629.53	8.896	CC
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,300.00	6,635.13	1,836.26	1,628.77	8.850	ES
EXIST VERT WILMOTH 1 - Wellbore #1 - Wellbore #1	14,500.00	6,634.58	1,851.09	1,639.06	8.730	SF
EXIST VERT WILMOTH C 3-33 - Wellbore #1 - Wellbore	14,768.33	6,656.55	2,402.51	2,182.70	10.930	CC, ES, SF
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	13,695.86	6,619.30	2,411.54	2,221.23	12.672	CC
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	13,800.00	6,617.45	2,413.79	2,220.47	12.486	ES
EXIST VERT WILMOTH C 4-23 - Wellbore #1 - Wellbore	14,100.00	6,600.00	2,445.20	2,245.42	12.240	SF
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	12,478.79	6,674.73	2,486.16	2,329.66	15.886	CC
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	12,500.00	6,674.90	2,486.26	2,329.11	15.822	ES
EXIST VERT WILMOTH C 4-24 - Wellbore #1 - Wellbore	13,000.00	6,678.81	2,540.21	2,371.56	15.062	SF

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HEN 05N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB 23ft @ 4802.00usft
<b>Reference Site:</b>	SW NE SEC. 8 T4N R64W 6th P.M. (HEN)	<b>MD Reference:</b>	KB 23ft @ 4802.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HEN 05N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	Database 1
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	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 WILMOTH C 9-27 - Wellbore #1 - Wellbore	13,598.69	6,689.14	1,278.41	1,091.05	6.823	CC
EXIST VERT WILMOTH C 9-27 - Wellbore #1 - Wellbore	13,600.00	6,689.13	1,278.41	1,091.00	6.822	ES
EXIST VERT WILMOTH C 9-27 - Wellbore #1 - Wellbore	13,700.00	6,688.21	1,282.42	1,092.32	6.746	SF
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	300.00	60.00	58.93	55.965	CC, ES
HEN 01N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	15,031.65	958.69	521.82	2.194	SF
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	400.00	45.03	43.51	29.592	CC, ES
HEN 02N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	15,020.56	721.43	289.35	1.670	SF
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	500.00	500.00	30.02	28.05	15.229	CC, ES
HEN 03N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,888.13	479.31	44.63	1.103	Level 3, SF
HEN 04N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	15.01	12.58	6.199	CC
HEN 04N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,890.31	248.30	-54.71	0.819	Level 3, ES, SF
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	701.00	14.97	12.10	5.213	CC
HEN 06N - ORIGINAL WELLBORE - PROPOSAL #2	14,748.20	14,780.42	248.31	-58.09	0.810	Level 3, ES, SF
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	29.98	27.11	10.446	CC, ES
HEN 07N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,694.01	479.31	43.51	1.100	Level 3, SF
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	44.96	42.09	15.663	CC, ES
HEN 08N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,745.04	722.83	290.02	1.670	SF
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	59.97	57.10	20.892	CC, ES
HEN 09N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,695.25	958.62	522.22	2.197	SF
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	74.97	72.10	26.121	CC, ES
HEN 10N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,785.18	1,201.23	765.40	2.756	SF
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	89.95	87.08	31.338	CC, ES
HEN 11N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,738.87	1,437.94	1,000.94	3.290	SF
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	104.96	102.09	36.567	CC, ES
HEN 12N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,832.89	1,679.90	1,244.30	3.857	SF
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	119.97	117.10	41.797	CC, ES
HEN 13N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,796.68	1,917.25	1,480.92	4.394	SF
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	134.98	132.11	47.026	CC, ES
HEN 14N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,908.23	2,158.67	1,722.89	4.954	SF
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	149.95	147.08	52.243	CC, ES
HEN 15N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,877.74	2,396.48	1,960.44	5.496	SF
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	164.92	162.05	57.459	CC, ES
HEN 16N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,965.04	2,637.45	2,201.76	6.053	SF
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	179.93	177.06	62.689	CC, ES
HEN 17N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	14,966.03	2,875.74	2,439.92	6.598	SF
HEN 18N - ORIGINAL WELLBORE - PROPOSAL #2	700.00	700.00	194.94	192.07	67.918	CC, ES
HEN 18N - ORIGINAL WELLBORE - PROPOSAL #2	14,768.33	15,093.23	3,116.39	2,680.87	7.156	SF
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	600.00	600.00	209.95	207.53	86.731	CC, ES
HEN 19N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,056.94	271.93	267.42	60.229	SF
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	500.00	499.00	224.92	222.96	114.236	CC, ES
HEN 20NA - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,035.25	311.03	306.53	69.043	SF
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	400.00	399.00	239.93	238.41	157.912	CC, ES
HEN 21N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,016.72	349.82	345.30	77.438	SF
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	300.00	298.00	254.94	253.88	238.792	CC, ES
HEN 22N - ORIGINAL WELLBORE - PROPOSAL #2	1,100.00	1,000.00	391.77	387.21	85.825	SF

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