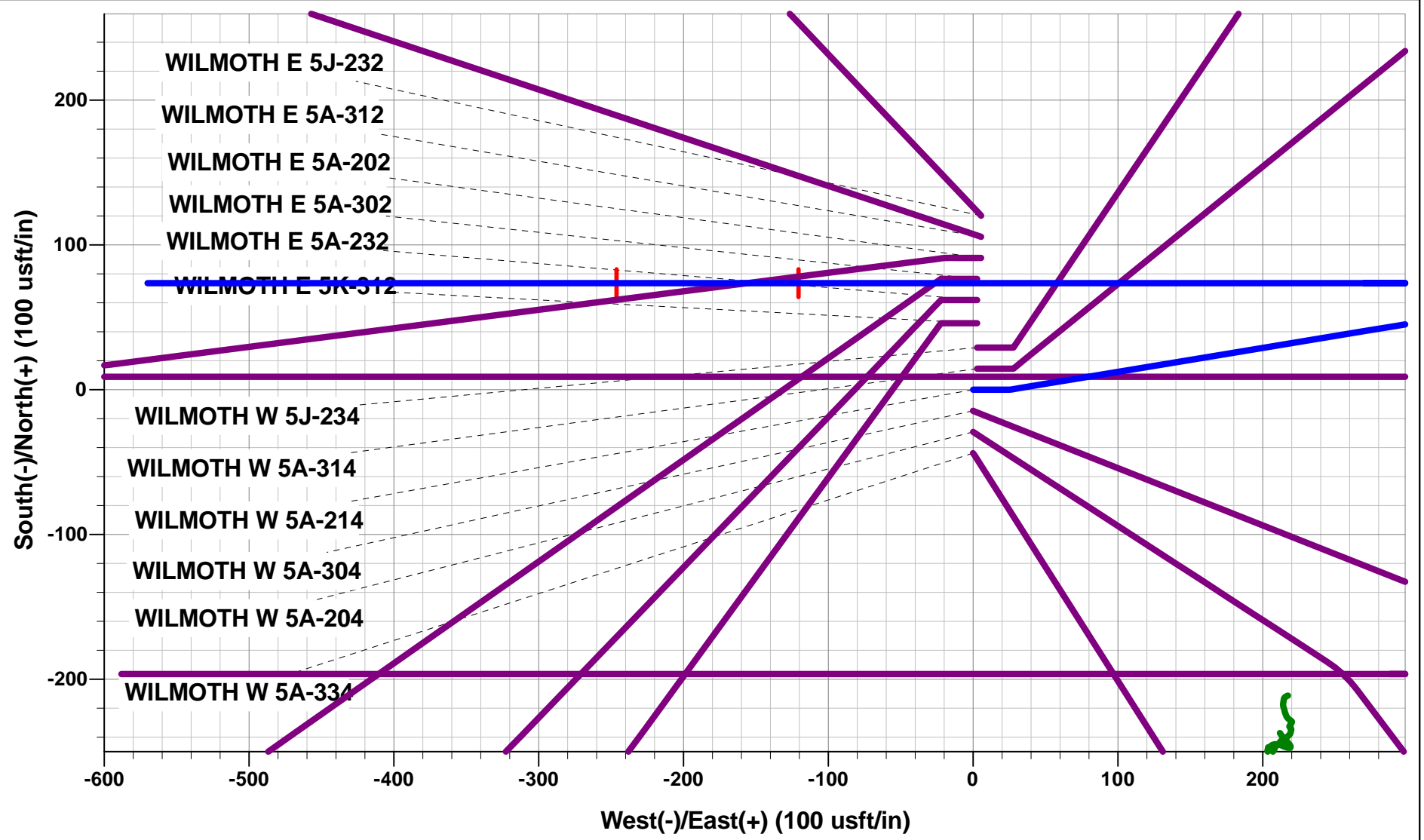




Project: WELD COUNTY, COLORADO (TRUE)  
Site: NW NW SEC. 5 T4N R64W 6th P.M.  
Well: WILMOTH W 5A-214  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #4

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Dep	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 1113ft FNL & 1100ft FWL of Sec 5	
300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	START NUDGE #1 (2°/100ft BUR)	
549.68	550.00	5.00	90.00	0.00	10.90	-10.90	10.90	EOB TO 5° INC	
586.54	587.00	5.00	90.00	0.00	14.13	-14.13	14.13	END OF TANGENT	
836.22	837.00	0.00	0.00	0.00	25.03	-25.03	25.03	EOD TO VERTICAL	
1800.00	1800.78	0.00	0.00	0.00	25.03	-25.03	25.03	START NUDGE #2 (2°/100ft BUR)	
2399.00	2404.23	12.07	80.62	10.32	87.50	-87.37	88.35	EOB TO 12.07° INC	
3921.80	3961.45	12.07	80.62	63.36	408.75	-407.96	413.95	END OF TANGENT	
4520.80	4564.90	0.00	0.00	0.00	73.68	-470.31	477.27	EOD TO VERTICAL	
6105.80	6149.90	0.00	0.00	0.00	73.68	-470.31	477.27	KOP (8°/100ft BUR)	
6822.00	7276.15	90.10	270.00	73.68	-246.21	247.08	1194.72	HZ LP *NEW*: 1040ft FNL & 850ft FWL of Sec 5	
6812.00	13150.25	90.10	270.00	73.49	-6120.30	6120.74	7068.80	BHL: 1015ft FNL & 150ft FWL of Sec 6	

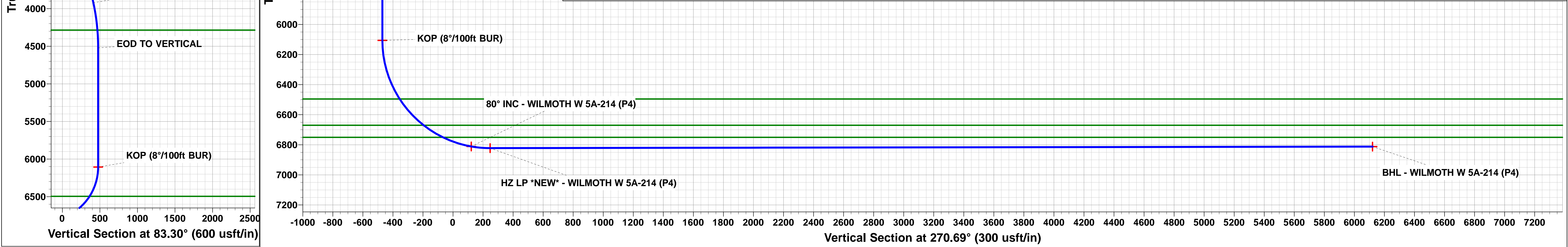
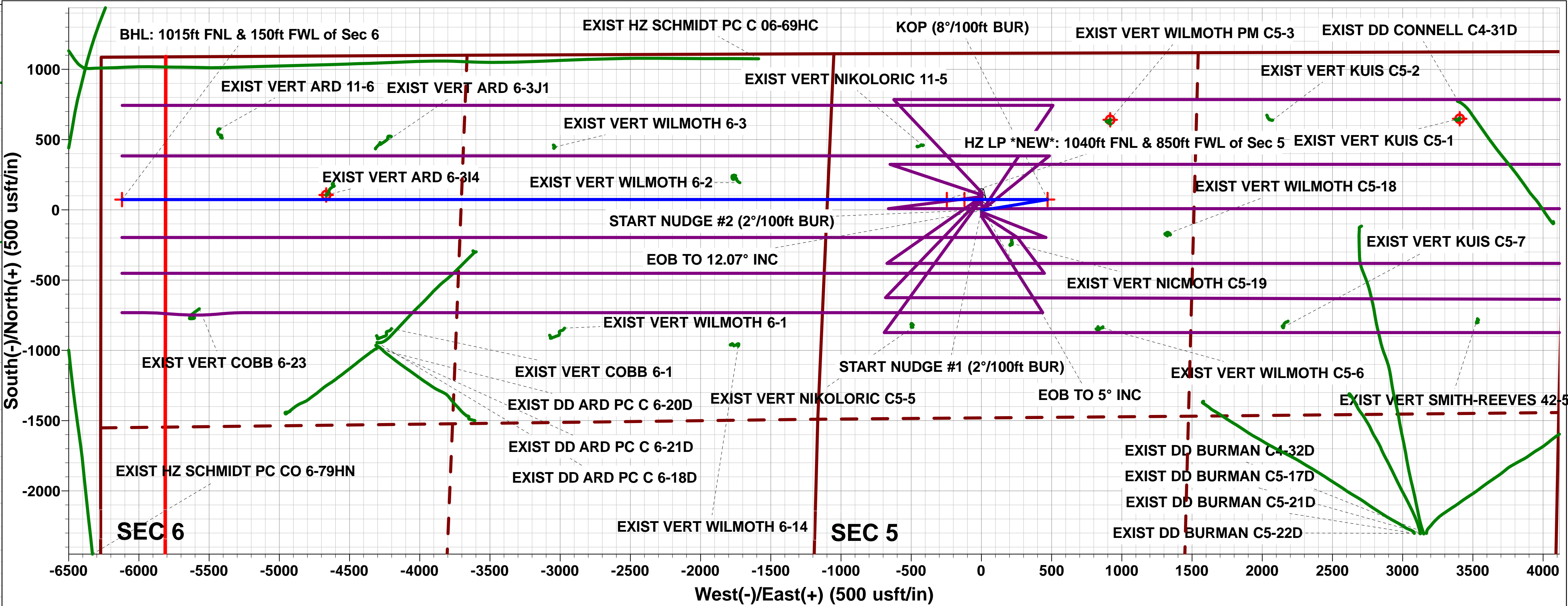
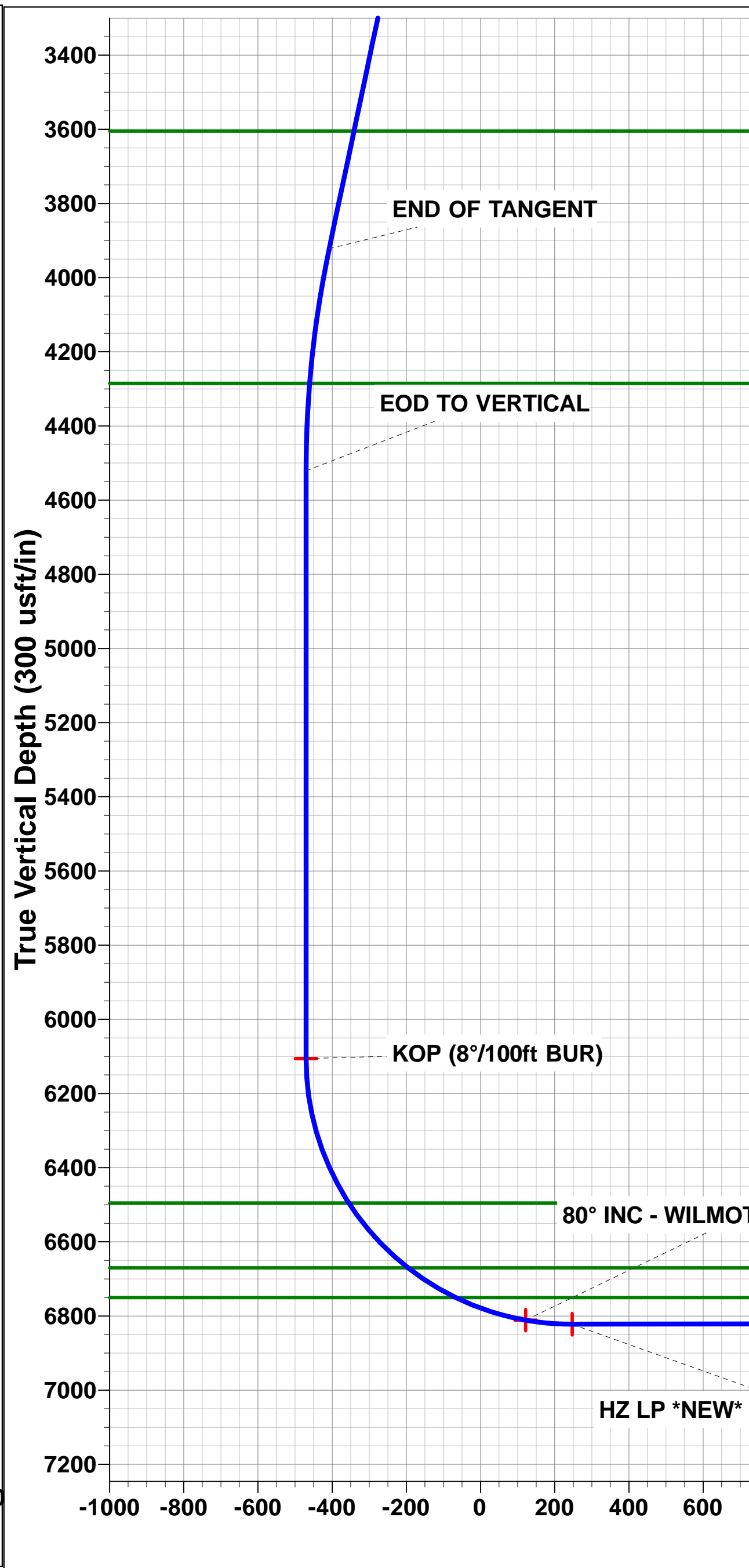
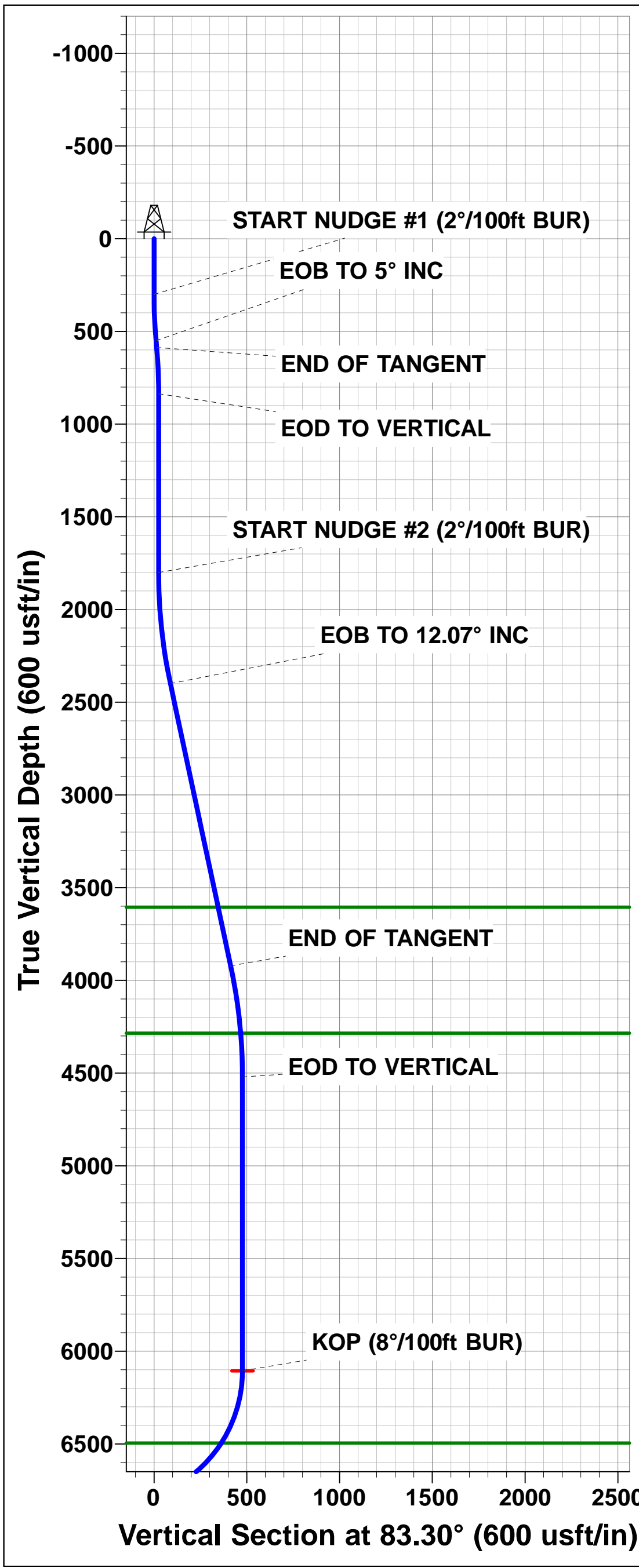
WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - WILMOTH W 5A-214 (P4)	6105.80	73.68	471.23	40.345632	-104.577849
HZ LP *NEW* - WILMOTH W 5A-214 (P4)	6822.00	73.68	-246.22	40.345632	-104.580423
BHL - WILMOTH W 5A-214 (P4)	6812.00	73.49	-6120.30	40.345630	-104.601497
80° INC - WILMOTH W 5A-214 (P4)	6811.12	73.68	-120.60	40.345632	-104.579973



PROPOSED LOCAL COORDINATES:  
SHL: 1113ft FNL & 1100ft FWL of Sec 5  
HZ LP \*NEW\*: 1040ft FNL & 850ft FWL of Sec 5  
BHL: 1015ft FNL & 150ft FWL of Sec 6

Azimuths to True North  
Magnetic North: 8.15°

Magnetic Field  
Strength: 52429.6snT  
Dip Angle: 66.85°  
Date: 22/01/2017  
Model: IGRF2015



# **PDC ENERGY**

**WELD COUNTY, COLORADO (TRUE)  
NW NW SEC. 5 T4N R64W 6th P.M.  
WILMOTH W 5A-214**

**ORIGINAL WELLBORE  
PROPOSAL #4**

## **Anticollision Report**

**18 May, 2018**



## Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well WILMOTH W 5A-214
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB-EST @ 4762.00usft
<b>Reference Site:</b>	NW NW SEC. 5 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4762.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	WILMOTH W 5A-214	<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>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #4	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #4		
<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 center-center distance of 10,000.00 usft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	18/05/2018		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	13,150.25	PROPOSAL #4 (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
NW NW SEC. 5 T4N R64W 6th P.M.						
EXIST DD ARD PC C 6-18D - Wellbore #1 - Wellbore #1	10,639.32	6,989.93	372.40	243.59	2.891	CC, ES, SF
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	11,979.39	6,968.96	1,512.93	1,347.56	9.149	CC
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,000.00	6,968.13	1,513.07	1,347.13	9.118	ES
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,400.00	6,952.46	1,570.21	1,393.12	8.867	SF
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,666.72	6,963.07	1,565.59	1,436.27	12.107	CC
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,700.00	6,961.35	1,565.94	1,435.71	12.024	ES
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	11,200.00	6,935.64	1,653.70	1,509.64	11.480	SF
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	4,118.38	3,733.00	3,858.27	3,832.89	152.029	CC, ES
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	12,600.00	7,166.00	9,905.13	9,717.20	52.705	SF
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,156.39	6,596.09	2,230.65	2,177.00	41.576	CC, ES
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,200.00	6,640.46	2,231.96	2,178.24	41.545	SF
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,149.90	6,500.01	1,823.31	1,774.76	37.553	ES
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,185.22	6,529.56	1,822.72	1,786.43	50.226	CC
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	13,150.25	7,087.03	7,829.59	7,617.41	36.900	SF
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	5,571.97	5,683.64	2,554.02	2,519.12	73.193	CC, ES
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	13,150.25	6,856.58	8,866.85	8,670.50	45.159	SF
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #	4,154.13	3,661.05	3,416.19	3,404.36	288.799	CC, ES
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #	12,900.00	6,937.20	9,945.74	9,771.17	56.971	SF
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wel	12,529.48	7,541.52	941.64	746.02	4.814	CC, ES
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wel	13,150.25	6,924.93	948.02	748.02	4.740	SF
EXIST HZ SCHMIDT PC CO 6-79HN - Wellbore #1 - We	13,151.15	8,803.58	473.50	399.70	6.416	CC, ES, SF
EXIST VERT ARD 11-6 - Wellbore #1 - Wellbore #1	12,453.38	6,865.55	502.65	340.75	3.105	CC, ES
EXIST VERT ARD 11-6 - Wellbore #1 - Wellbore #1	12,500.00	6,865.35	504.81	341.61	3.093	SF
EXIST VERT ARD 6-3I4 - Wellbore #1 - Wellbore #1	11,648.20	6,875.37	114.37	-25.10	0.820	Level 1, CC, ES, SF
EXIST VERT ARD 6-3J1 - Wellbore #1 - Wellbore #1	11,240.48	6,854.14	450.76	322.65	3.519	CC, ES
EXIST VERT ARD 6-3J1 - Wellbore #1 - Wellbore #1	11,300.00	6,853.10	454.67	324.91	3.504	SF
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,250.25	6,879.50	935.36	807.21	7.299	CC
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,300.00	6,876.95	936.68	807.15	7.231	ES
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,400.00	6,871.82	947.24	814.92	7.159	SF
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,604.19	6,901.41	780.81	614.71	4.701	CC, ES
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,700.00	6,899.74	786.67	617.88	4.661	SF
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	3,644.07	2,600.00	4,546.96	4,537.68	489.785	CC, ES
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	11,300.00	2,600.00	9,956.32	9,916.51	250.099	SF
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	5,568.85	5,458.20	5,702.63	5,686.40	351.345	CC
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	5,600.00	5,483.60	5,702.65	5,686.36	350.042	ES
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	10,800.00	6,800.00	9,946.08	9,830.80	86.278	SF
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	5,319.12	5,209.21	6,122.75	6,106.99	388.408	CC

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 WILMOTH W 5A-214
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB-EST @ 4762.00usft
<b>Reference Site:</b>	NW NW SEC. 5 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4762.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	WILMOTH W 5A-214	<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>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #4	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NW NW SEC. 5 T4N R64W 6th P.M.						
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	5,400.00	5,275.19	6,122.88	6,106.96	384.598	ES
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	10,400.00	6,746.51	9,964.06	9,859.71	95.489	SF
EXIST VERT CONNELL C4-19 - Wellbore #1 - Wellbore	5,440.56	5,352.45	4,923.85	4,907.77	306.304	CC, ES
EXIST VERT CONNELL C4-19 - Wellbore #1 - Wellbore	11,600.00	6,698.01	9,971.68	9,852.74	83.837	SF
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,447.56	5,356.12	4,937.66	4,921.84	312.141	CC
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,500.00	5,400.00	4,937.75	4,921.83	310.140	ES
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	11,700.00	6,776.71	9,980.91	9,840.07	70.866	SF
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,545.75	5,432.11	5,100.69	5,084.49	314.735	CC
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,600.00	5,477.53	5,100.74	5,084.43	312.695	ES
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	11,400.00	6,800.00	9,910.57	9,778.36	74.966	SF
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	5,792.32	5,700.00	4,173.85	4,157.39	253.620	CC
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	5,900.00	5,790.48	4,174.01	4,157.34	250.429	ES
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	12,400.00	6,800.00	9,980.40	9,820.18	62.291	SF
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	4,729.36	4,626.48	5,703.60	5,688.67	381.998	CC
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	6,102.82	6,000.00	5,705.75	5,688.42	329.120	ES
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	10,800.00	6,761.22	9,919.67	9,803.86	85.659	SF
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	5,562.63	5,467.83	2,959.36	2,943.13	182.397	CC
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	5,600.00	5,500.00	2,959.42	2,943.12	181.660	ES
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	13,150.25	6,704.34	9,519.05	9,338.91	52.841	SF
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	4,665.47	4,574.80	1,678.30	1,663.46	113.079	CC
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	4,700.00	4,605.18	1,678.35	1,663.45	112.672	ES
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	13,150.25	6,665.56	8,212.56	8,033.82	45.945	SF
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,126.80	5,041.07	1,902.73	1,888.24	131.348	CC
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,200.00	5,109.27	1,902.81	1,888.17	129.966	ES
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	13,150.25	6,717.86	8,346.73	8,165.90	46.157	SF
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	2,787.38	2,746.76	264.77	256.83	33.356	CC
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	2,800.00	2,758.96	264.79	256.80	33.134	ES
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	6,850.00	6,681.96	318.55	300.29	17.449	SF
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,486.01	6,650.00	403.46	376.14	14.768	CC
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,500.00	6,650.00	403.70	376.11	14.632	ES
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,600.00	6,650.00	419.25	389.60	14.141	SF
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	7,530.17	6,803.28	906.87	878.53	32.004	CC, ES
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	8,300.00	6,802.88	1,189.55	1,142.31	25.179	SF
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,149.90	6,180.03	6,938.01	6,920.58	397.970	ES
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,164.83	6,192.92	6,937.85	6,922.63	455.643	CC
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	9,600.00	6,750.00	9,967.63	9,885.20	120.920	SF
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	4,815.27	4,700.00	8,345.47	8,330.75	566.928	CC, ES
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	8,200.00	6,665.65	9,985.98	9,941.37	223.862	SF
EXIST VERT SITZMAN 4-114 - Wellbore #1 - Wellbore #	5,706.34	5,600.00	8,423.62	8,407.13	510.879	CC, ES
EXIST VERT SITZMAN 4-114 - Wellbore #1 - Wellbore #	8,100.00	6,700.00	9,968.13	9,926.08	237.063	SF
EXIST VERT SITZMAN 4-714 - Wellbore #1 - Wellbore #	6,149.90	6,230.75	7,004.55	6,986.82	395.208	ES
EXIST VERT SITZMAN 4-714 - Wellbore #1 - Wellbore #	6,167.71	6,241.95	7,004.32	6,989.08	459.589	CC
EXIST VERT SITZMAN 4-714 - Wellbore #1 - Wellbore #	9,500.00	6,700.00	9,924.37	9,844.53	124.309	SF
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,149.90	6,085.53	7,533.15	7,515.78	433.582	ES
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,154.41	6,090.84	7,533.14	7,517.71	488.440	CC
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	9,000.00	6,750.00	9,970.07	9,904.14	151.232	SF
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	6,149.90	6,050.80	7,737.30	7,600.61	56.608	CC, ES
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	8,800.00	6,764.37	9,948.08	9,753.73	51.186	SF
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	5,522.80	5,400.00	7,659.46	7,643.31	474.210	CC, ES
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	8,900.00	6,750.00	9,993.97	9,930.74	158.035	SF
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,149.90	6,049.87	6,516.71	6,498.71	362.040	ES
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,151.20	6,050.66	6,516.71	6,501.68	433.741	CC
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	10,000.00	6,500.00	9,935.69	9,843.56	107.842	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 WILMOTH W 5A-214
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	KB-EST @ 4762.00usft
<b>Reference Site:</b>	NW NW SEC. 5 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4762.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	WILMOTH W 5A-214	<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>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #4	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NW NW SEC. 5 T4N R64W 6th P.M.						
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	4,954.92	4,866.03	3,177.50	3,162.82	216.472	CC
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	5,000.00	4,909.02	3,177.51	3,162.75	215.217	ES
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	13,150.25	6,550.00	9,692.40	9,516.46	55.089	SF
EXIST VERT STATE SCHMIDT 36-3 - Wellbore #1 - Wel	13,151.15	6,843.68	1,857.64	1,676.39	10.249	CC, ES, SF
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,019.62	6,848.68	932.26	838.29	9.921	CC, ES
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,300.00	6,834.26	973.40	871.68	9.569	SF
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #	8,759.74	6,796.77	1,039.39	979.99	17.498	CC
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	8,800.00	6,797.35	1,040.17	979.69	17.197	ES
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	9,300.00	6,804.92	1,171.39	1,097.32	15.814	SF
EXIST VERT WILMOTH 6-2 - Wellbore #1 - Wellbore #1	8,752.99	6,818.52	121.57	62.01	2.041	CC, ES, SF
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #1	10,073.74	6,835.62	385.86	290.34	4.039	CC, ES
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #1	10,100.00	6,835.33	386.75	290.50	4.018	SF
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,550.30	4,466.86	870.20	858.14	72.175	CC
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,564.90	4,480.08	870.25	856.27	62.275	ES
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	12,500.00	6,700.00	6,805.37	6,650.48	43.936	SF
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	6,164.31	6,101.38	989.04	971.76	57.234	CC, ES
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	13,150.25	6,764.81	7,044.25	6,863.12	38.890	SF
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	5,221.95	5,139.23	695.08	680.81	48.709	CC
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	5,300.00	5,216.58	695.11	680.68	48.176	ES
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	13,150.25	6,700.00	7,059.71	6,880.05	39.294	SF
WILMOTH E 5A-202 - ORIGINAL WELLBORE - PROPO	7,063.89	7,177.39	64.70	25.54	1.652	CC, ES, SF
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	389.86	388.86	61.93	60.48	42.590	CC
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	400.00	398.98	61.94	60.44	41.361	ES
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	2,000.00	1,998.42	81.67	73.30	9.756	SF
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	389.86	388.86	76.50	75.05	52.611	CC
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	400.00	398.98	76.51	75.01	51.092	ES
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	7,500.00	6,887.46	472.26	429.00	10.916	SF
WILMOTH E 5A-312 - ORIGINAL WELLBORE - PROPO	413.55	412.39	105.71	104.15	67.458	CC, ES
WILMOTH E 5A-312 - ORIGINAL WELLBORE - PROPO	7,300.00	7,011.07	252.79	212.15	6.219	SF
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	300.00	299.00	120.36	119.29	112.501	CC, ES
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	7,700.00	6,726.69	789.53	742.43	16.763	SF
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	389.87	388.87	45.91	44.45	31.569	CC
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	400.00	398.98	45.91	44.41	30.660	ES
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	1,900.00	1,898.74	66.87	58.94	8.433	SF
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	300.00	300.00	29.14	28.07	27.184	CC
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	400.00	399.98	29.20	27.69	19.328	ES
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	13,151.15	13,135.26	524.99	166.45	1.464	Level 3, SF
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPO	300.00	300.00	14.57	13.50	13.592	CC
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPO	13,151.15	13,232.43	282.72	-61.47	0.821	Level 1, ES, SF
WILMOTH W 5A-314 - ORIGINAL WELLBORE - PROPO	557.21	555.97	14.82	12.61	6.723	CC
WILMOTH W 5A-314 - ORIGINAL WELLBORE - PROPO	13,151.15	13,268.60	322.35	-24.50	0.929	Level 1, ES, SF
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPO	300.00	300.00	43.72	42.64	40.776	CC, ES
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPO	13,151.15	13,251.83	805.55	447.78	2.252	SF
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPO	557.21	555.97	29.27	27.06	13.277	CC
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPO	1,600.00	1,599.00	29.28	22.63	4.404	ES
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPO	13,151.15	13,234.40	670.50	311.14	1.866	SF