PDC ENERGY

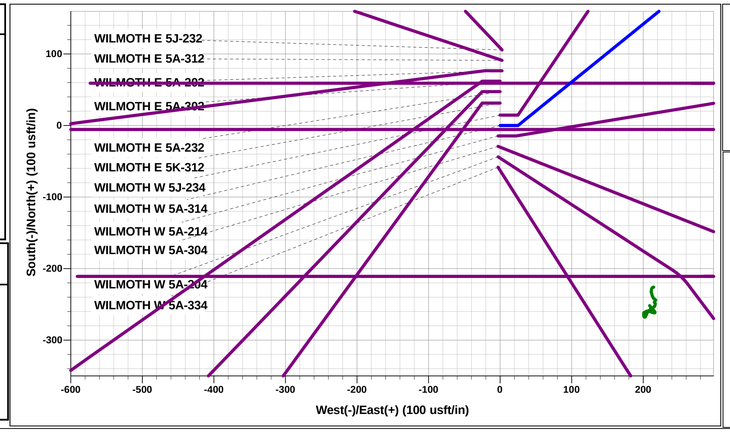
Project: WELD COUNTY, COLORADO (TRUE)
Site: NW NW SEC. 5 T4N R64W 6th P.M.
Well: WILMOTH W 5A-314
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #4

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 1098ft 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	-10.88	10.90	EOB TO 5° INC
586.54	587.00	5.00	90.00	0.00	14.13	-14.10	14.13	END OF TANGENT
836.22	837.00	0.00	0.00	0.00	25.03	-24.98	25.03	EOD TO VERTICAL
1700.00	1700.78	0.00	0.00	0.00	25.03	-24.98	25.03	START NUDGE #2 (2°/100ft BUR)
2312.26	2317.79	12.34	50.97	41.68	76.45	-73.79	91.22	EOB TO 12.34° INC
4393.56	4448.32	12.34	50.97	328.40	430.16	-409.58	546.55	END OF TANGENT
5005.81	5065.33	0.00	0.00	370.08	481.58	-458.39	612.73	EOD TO VERTICAL
6195.81	6255.33	0.00	0.00	370.08	481.58	-458.39	612.73	KOP (8°/100ft BUR)
6912.00	7382.33	90.16	270.00	370.08	-236.62	258.51	1330.94	HZ LP *NEW*: 729ft FNL & 849ft FWL of Sec 5
6896.00	13268.60	90.15	270.00	369.85	-6122.87	6134.03	7217.18	BHL: 704ft FNL & 150ft FWL of Sec 6

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - WILMOTH W 5A-314 (P4)	6195.81	370.08	481.58	40.346486	-104.577802
HZ LP *NEW* - WILMOTH W 5A-314 (P4)	6912.00	370.08	-236.62	40.346486	-104.580379
BHL - WILMOTH W 5A-314 (P4)	6896.00	369.85	-6122.87	40.346483	-104.601496
80° INC - WILMOTH W 5A-314 (P4)	6901.12	370.08	-110.25	40.346486	-104.579926

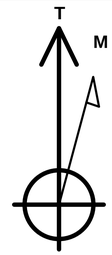


PROPOSED LOCAL COORDINATES:

SHL: 1098ft FNL & 1100ft FWL of Sec 5

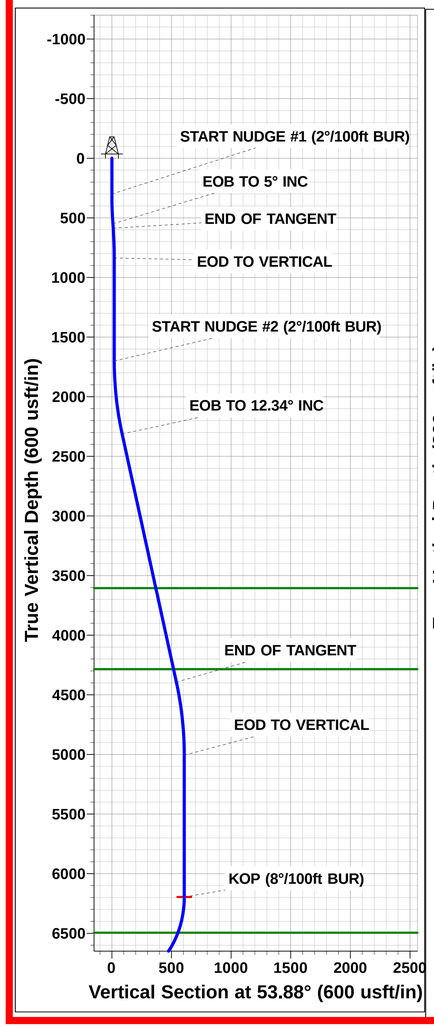
HZ LP *NEW*: 729ft FNL & 849ft FWL of Sec 5

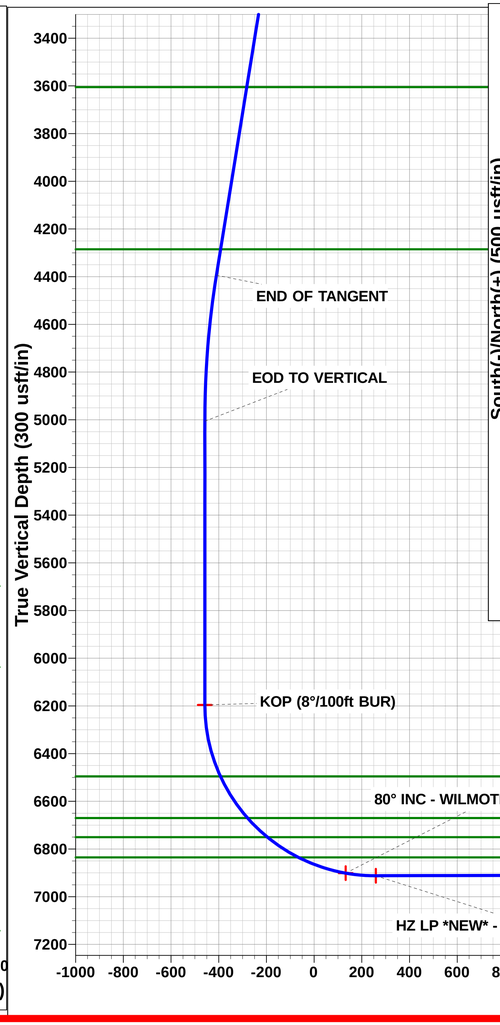
BHL: 704ft FNL & 150ft FWL of Sec 6

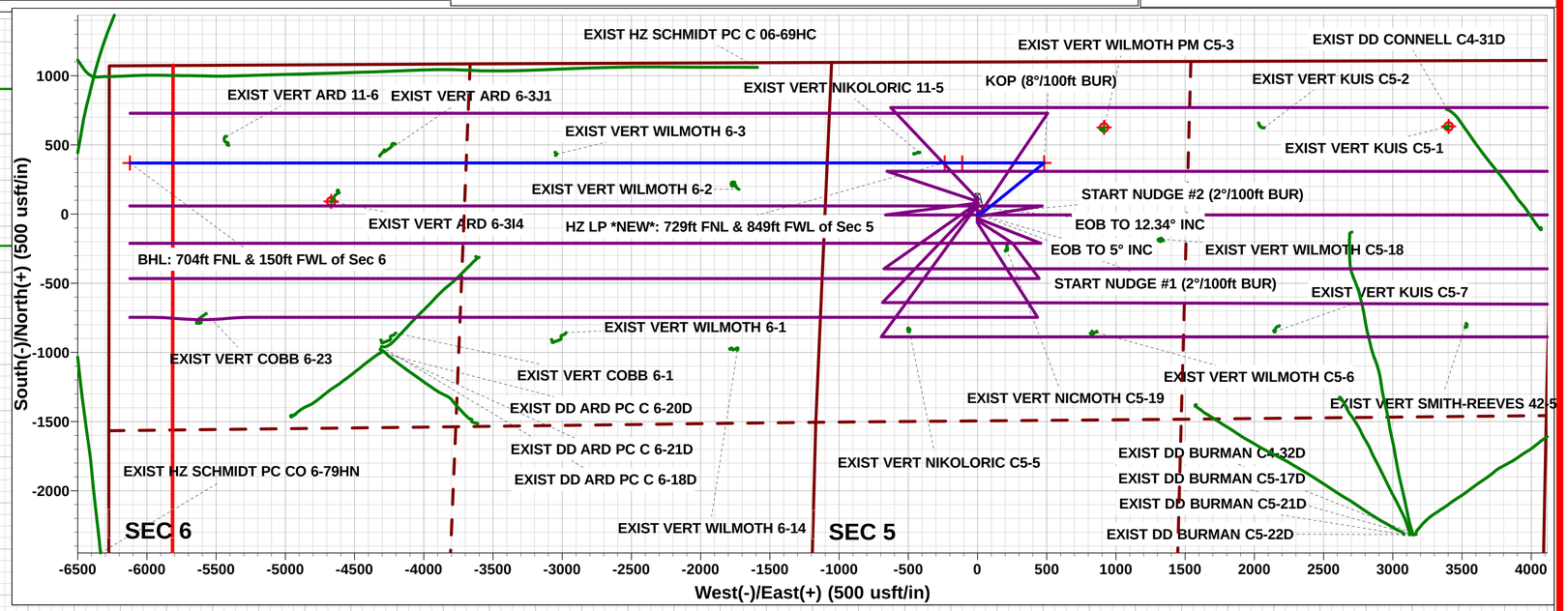


Azimuths to True North
Magnetic North: 8.15°

Magnetic Field
Strength: 52429.7snT
Dip Angle: 66.85°
Date: 22/01/2017
Model: IGRF2015







Vertical Section at 273.46° (300 usft/in)

PDC ENERGY

WELD COUNTY, COLORADO (TRUE)
NW NW SEC. 5 T4N R64W 6th P.M.
WILMOTH W 5A-314

ORIGINAL WELLBORE
PROPOSAL #4

Anticollision Report

18 May, 2018

Company:	PDC ENERGY	**Local Co-ordinate Reference:**	Well WILMOTH W 5A-314
Project:	WELD COUNTY, COLORADO (TRUE)	**TVD Reference:**	KB-EST @ 4761.00usft (Original Well Elev)
Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	**MD Reference:**	KB-EST @ 4761.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	WILMOTH W 5A-314	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	**Database:**	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #4	**Offset TVD Reference:**	Offset Datum

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

Survey Tool Program **Date** 18/05/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	13,268.60	PROPOSAL #4 (ORIGINAL WELLBORE)	MWD	MWD - Standard

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 DD ARD PC C 6-18D - Wellbore #1 - Wellbore #1	10,755.86	7,075.22	684.68	555.81	5.313	CC, ES
EXIST DD ARD PC C 6-18D - Wellbore #1 - Wellbore #1	10,900.00	7,071.41	699.67	566.84	5.267	SF
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,094.34	7,055.05	1,823.67	1,658.37	11.032	CC
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,100.00	7,054.78	1,823.68	1,658.22	11.022	ES
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,700.00	7,027.39	1,921.40	1,739.22	10.547	SF
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,781.38	7,042.89	1,877.61	1,748.30	14.520	CC
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,800.00	7,041.97	1,877.70	1,747.88	14.463	ES
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	11,500.00	7,007.48	2,010.09	1,860.93	13.475	SF
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	1,336.92	1,340.13	3,893.26	3,887.79	711.611	CC, ES
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	12,700.00	7,248.00	9,941.44	9,753.70	52.953	SF
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,266.67	6,707.03	2,267.00	2,212.20	41.366	CC, ES
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,300.00	6,733.22	2,267.81	2,212.96	41.348	SF
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,255.33	6,580.68	2,069.42	2,021.96	43.603	ES
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,285.01	6,605.63	2,069.06	2,028.85	51.450	CC
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	13,268.60	7,177.27	7,893.08	7,680.84	37.188	SF
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	5,589.45	5,681.42	2,724.70	2,690.10	78.747	CC, ES
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	13,268.60	6,918.37	8,922.26	8,725.98	45.457	SF
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #	853.53	795.78	3,447.07	3,444.58	1,384.064	CC, ES
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #	13,000.00	7,046.19	9,936.68	9,761.84	56.832	SF
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wel	12,632.01	7,555.00	627.30	431.29	3.200	CC, ES
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wel	12,700.00	7,501.32	628.07	431.44	3.194	SF
EXIST HZ SCHMIDT PC CO 6-79HN - Wellbore #1 - We	13,268.60	8,464.04	403.66	294.80	3.708	CC, ES, SF
EXIST VERT ARD 11-6 - Wellbore #1 - Wellbore #1	12,571.86	6,950.38	191.51	29.68	1.183	Level 2, CC, ES, SF
EXIST VERT ARD 6-3I4 - Wellbore #1 - Wellbore #1	11,766.09	6,961.47	196.62	57.22	1.410	Level 3, CC, ES, SF
EXIST VERT ARD 6-3J1 - Wellbore #1 - Wellbore #1	11,357.63	6,940.69	139.50	11.48	1.090	Level 2, CC, ES, SF
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,364.20	6,979.70	1,245.03	1,117.06	9.729	CC
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,400.00	6,977.87	1,245.54	1,116.58	9.658	ES
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,700.00	6,962.12	1,289.42	1,152.08	9.389	SF
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,721.31	6,991.31	1,090.50	924.47	6.568	CC, ES
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,900.00	6,987.91	1,105.04	934.01	6.461	SF
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	3,494.24	2,600.00	4,573.59	4,564.02	477.738	CC
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	3,500.00	2,600.00	4,573.60	4,564.01	476.837	ES
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	11,400.00	2,600.00	9,968.45	9,930.29	261.244	SF
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	5,595.51	5,470.45	5,676.76	5,660.15	341.834	CC
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	5,600.00	5,474.10	5,676.76	5,660.14	341.658	ES
EXIST VERT CONNELL 4-3I4 - Wellbore #1 - Wellbore #	10,900.00	6,800.00	9,920.16	9,824.84	104.080	SF
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	5,305.34	5,183.29	6,135.07	6,119.35	390.340	CC

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

Company:	PDC ENERGY	**Local Co-ordinate Reference:**	Well WILMOTH W 5A-314
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Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	**MD Reference:**	KB-EST @ 4761.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	WILMOTH W 5A-314	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	**Database:**	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #4	**Offset TVD Reference:**	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	5,259.78	6,135.22	6,119.32	385.852	ES
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	10,500.00	6,800.00	9,961.37	9,857.85	96.233	SF
EXIST VERT CONNELL C4-19 - Wellbore #1 - Wellbore	5,471.25	5,359.93	4,927.93	4,911.81	305.566	CC, ES
EXIST VERT CONNELL C4-19 - Wellbore #1 - Wellbore	11,700.00	6,700.00	9,962.92	9,833.91	77.224	SF
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,472.44	5,361.72	5,021.04	5,005.77	328.935	CC
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,500.00	5,380.53	5,021.08	5,005.76	327.754	ES
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	11,700.00	6,800.00	9,911.98	9,774.65	72.180	SF
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,574.80	5,446.73	5,041.92	5,025.00	297.970	CC
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,600.00	5,467.79	5,041.93	5,024.97	297.139	ES
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	11,600.00	6,800.00	9,968.29	9,834.14	74.307	SF
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	5,819.06	5,707.88	4,229.95	4,213.88	263.170	CC, ES
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	12,500.00	6,800.00	9,991.18	9,831.88	62.718	SF
EXIST VERT EHRLICH 1 - Wellbore #1 - Wellbore #1	5,048.94	4,910.95	5,747.14	5,731.80	374.656	CC
EXIST VERT EHRLICH 1 - Wellbore #1 - Wellbore #1	6,100.00	5,972.98	5,748.25	5,731.21	337.328	ES
EXIST VERT EHRLICH 1 - Wellbore #1 - Wellbore #1	10,900.00	6,800.00	9,933.38	9,818.33	86.342	SF
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	5,580.43	5,470.13	2,902.59	2,885.74	172.259	CC
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	5,600.00	5,484.97	2,902.61	2,885.73	171.919	ES
EXIST VERT KUIS C5-1 - Wellbore #1 - Wellbore #1	13,268.60	6,781.73	9,505.87	9,332.37	54.788	SF
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	5,004.94	4,870.75	1,589.88	1,576.10	115.327	CC
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	5,065.33	4,934.44	1,590.41	1,573.91	96.419	ES
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	13,100.00	6,714.17	8,029.58	7,874.33	51.720	SF
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,000.00	4,913.86	2,055.95	2,039.61	125.802	ES
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,217.62	5,118.70	2,054.86	2,041.32	151.781	CC
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	13,268.60	6,815.41	8,385.05	8,204.07	46.330	SF
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	780.27	751.84	297.30	295.20	141.615	CC
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	800.00	771.67	297.34	295.19	138.395	ES
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	7,200.00	6,850.00	676.23	655.49	32.607	SF
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,605.00	6,650.00	249.22	230.14	13.061	CC, ES, SF
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	0.00	0.00	966.45			
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	306.67	299.81	966.62	965.78	1,152.859	ES
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	9,200.00	6,885.96	1,972.72	1,904.58	28.950	SF
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,255.33	6,259.23	6,913.44	6,895.50	385.248	ES
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,269.15	6,271.94	6,913.31	6,896.26	405.444	CC
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	9,700.00	6,750.00	9,942.74	9,892.91	199.527	SF
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	5,030.73	4,833.73	8,369.64	8,354.67	559.047	CC, ES
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	8,300.00	6,752.91	9,999.09	9,954.91	226.307	SF
EXIST VERT SITZMAN 4-1I4 - Wellbore #1 - Wellbore #	5,708.30	5,587.55	8,394.75	8,377.87	497.249	CC
EXIST VERT SITZMAN 4-1I4 - Wellbore #1 - Wellbore #	5,800.00	5,651.07	8,394.89	8,377.85	492.425	ES
EXIST VERT SITZMAN 4-1I4 - Wellbore #1 - Wellbore #	8,200.00	6,700.00	9,937.05	9,897.91	253.892	SF
EXIST VERT SITZMAN 4-7I4 - Wellbore #1 - Wellbore #	6,255.33	6,300.00	7,035.24	7,017.46	395.729	ES
EXIST VERT SITZMAN 4-7I4 - Wellbore #1 - Wellbore #	6,270.09	6,300.00	7,035.08	7,017.56	401.747	CC
EXIST VERT SITZMAN 4-7I4 - Wellbore #1 - Wellbore #	9,600.00	6,700.00	9,939.32	9,860.51	126.118	SF
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,255.33	6,155.95	7,537.63	7,519.99	427.164	ES
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,257.78	6,157.72	7,537.63	7,520.14	431.027	CC
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	9,100.00	6,750.00	9,965.60	9,900.94	154.133	SF
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	6,255.33	6,141.81	7,788.44	7,650.04	56.272	CC, ES
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	8,900.00	6,853.77	9,979.62	9,784.01	51.016	SF
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	5,537.22	5,400.00	7,617.76	7,601.06	456.091	CC, ES
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	9,000.00	6,750.00	9,953.88	9,891.48	159.526	SF
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,203.41	6,076.82	6,458.86	6,440.11	344.423	CC
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,255.33	6,100.00	6,458.95	6,440.10	342.611	ES
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	10,200.00	6,549.43	9,989.77	9,898.38	109.307	SF
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	5,000.00	4,905.46	3,264.53	3,248.67	205.779	ES

Company:	PDC ENERGY	**Local Co-ordinate Reference:**	Well WILMOTH W 5A-314
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Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	**MD Reference:**	KB-EST @ 4761.00usft (Original Well Elev)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	WILMOTH W 5A-314	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	**Database:**	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #4	**Offset TVD Reference:**	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	5,074.93	4,972.51	3,264.05	3,249.91	230.805	CC
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	13,268.60	6,550.00	9,726.60	9,551.17	55.442	SF
EXIST VERT STATE SCHMIDT 36-3 - Wellbore #1 - Wel	13,268.60	6,922.24	1,584.67	1,403.49	8.747	CC, ES, SF
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,133.50	6,947.27	1,242.12	1,148.31	13.241	CC
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,200.00	6,943.69	1,243.90	1,148.25	13.005	ES
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,600.00	6,921.35	1,326.62	1,219.90	12.432	SF
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	8,879.77	6,879.62	1,353.47	1,294.05	22.775	CC
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	8,900.00	6,879.94	1,353.63	1,293.66	22.572	ES
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	9,700.00	6,892.77	1,582.56	1,500.81	19.357	SF
EXIST VERT WILMOTH 6-2 - Wellbore #1 - Wellbore #1	8,869.13	6,904.31	190.45	130.95	3.201	CC, ES
EXIST VERT WILMOTH 6-2 - Wellbore #1 - Wellbore #1	8,900.00	6,903.34	192.93	132.61	3.199	SF
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #1	10,191.61	6,921.19	74.16	-21.30	0.777	Level 1, CC, ES, SF
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,879.17	4,766.33	999.08	982.84	61.504	CC
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,900.00	4,787.49	999.10	982.81	61.327	ES
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	13,268.60	6,759.77	7,472.68	7,295.07	42.073	SF
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	791.34	750.83	1,169.36	1,167.24	549.853	CC
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	2,800.00	2,773.25	1,173.12	1,165.15	147.183	ES
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	13,268.60	6,826.63	7,091.10	6,910.15	39.189	SF
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	5,064.48	4,967.20	474.25	461.27	36.528	CC
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	5,200.00	5,102.37	474.30	457.21	27.743	ES
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbo	6,255.33	6,153.87	488.58	469.60	25.746	SF
WILMOTH E 5A-202 - ORIGINAL WELLBORE - PROPO	389.36	389.36	76.50	75.05	52.611	CC
WILMOTH E 5A-202 - ORIGINAL WELLBORE - PROPO	400.00	399.98	76.51	75.01	51.020	ES
WILMOTH E 5A-202 - ORIGINAL WELLBORE - PROPO	6,850.00	7,466.51	382.15	340.08	9.083	SF
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	300.00	300.00	47.36	46.29	44.174	CC
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	400.00	399.88	47.49	45.99	31.672	ES
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	1,900.00	1,899.00	71.22	63.27	8.957	SF
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	300.00	300.00	61.93	60.86	57.765	CC
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	400.00	399.88	62.03	60.53	41.371	ES
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	2,000.00	1,997.71	83.15	74.74	9.888	SF
WILMOTH E 5A-312 - ORIGINAL WELLBORE - PROPO	7,118.89	7,301.45	60.50	20.74	1.522	CC, ES, SF
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	300.00	300.00	105.70	104.63	98.587	CC, ES
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	6,900.00	7,423.81	402.81	362.33	9.951	SF
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	300.00	300.00	31.33	30.26	29.226	CC
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	400.00	399.88	31.53	30.03	21.027	ES
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	1,800.00	1,799.26	60.70	53.20	8.095	SF
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	300.00	301.00	43.81	42.73	40.773	CC
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	400.00	400.97	43.95	42.44	29.055	ES
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPO	13,268.60	13,134.44	841.21	484.91	2.361	SF
WILMOTH W 5A-214 - ORIGINAL WELLBORE - PROPO	550.00	551.24	14.82	12.64	6.814	CC
WILMOTH W 5A-214 - ORIGINAL WELLBORE - PROPO	13,268.60	13,149.87	322.35	-24.48	0.929	Level 1, ES, SF
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPO	300.00	301.00	29.28	28.20	27.251	CC
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPO	400.00	400.98	29.49	27.98	19.495	ES
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPO	13,268.60	13,231.97	580.89	221.95	1.618	SF
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPO	266.33	267.33	58.36	57.43	63.222	CC
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPO	300.00	300.98	58.36	57.28	54.329	ES
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPO	13,268.60	13,250.49	1,116.93	759.31	3.123	SF
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPO	1,600.00	1,600.00	14.57	7.91	2.186	CC, ES
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPO	13,268.60	13,234.40	369.39	18.24	1.052	Level 2, SF