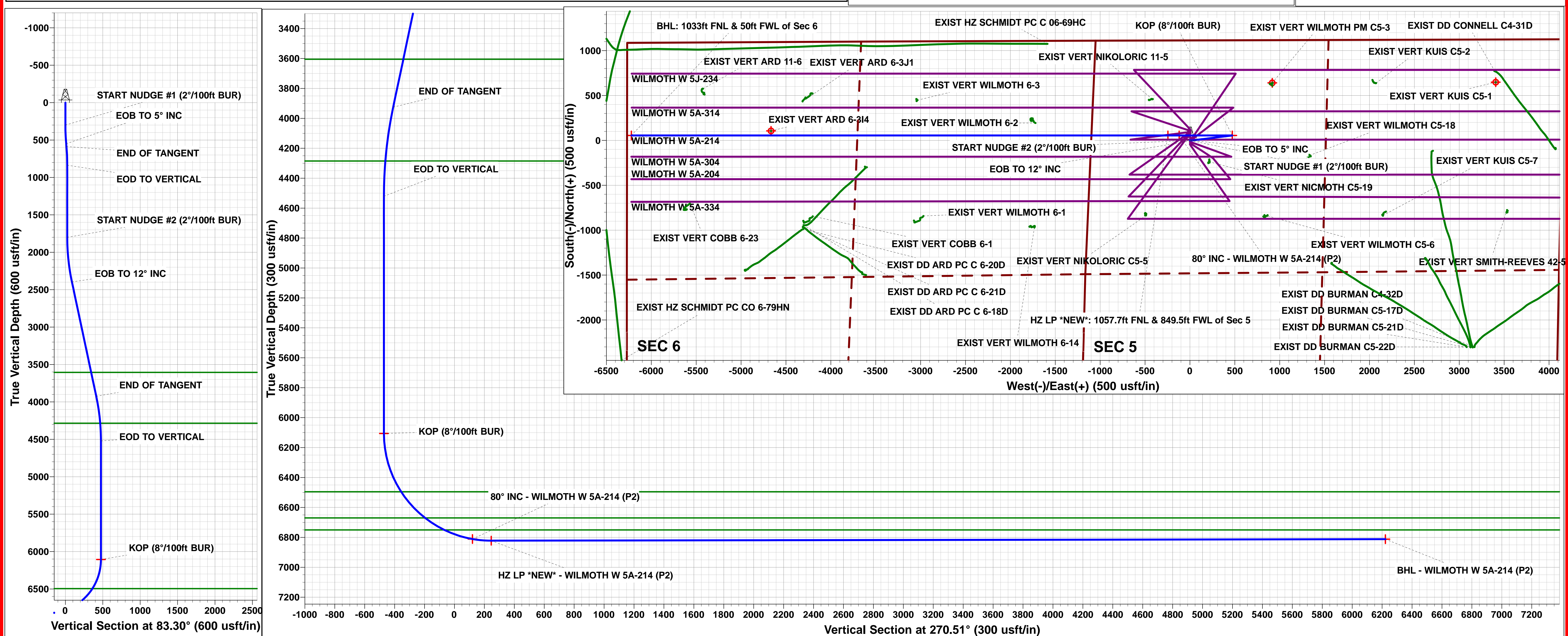


WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - WILMOTH W 5A-214 (P2)	6105.8	55.5	472.0	40.345582	-104.577847
HZ LP *NEW* - WILMOTH W 5A-214 (P2)	6822.0	55.5	-245.3	40.345582	-104.580420
BHL - WILMOTH W 5A-214 (P2)	6812.0	55.4	-6221.6	40.345580	-104.601860
80° INC - WILMOTH W 5A-214 (P2)	6811.1	55.5	-119.8	40.345582	-104.579970



Anticollision Report



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well WILMOTH W 5A-214
Project:	WELD COUNTY, COLORADO	TVD Reference:	KB-EST @ 4762.0usft
Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	MD Reference:	KB-EST @ 4762.0usft
Site Error:	0.0 usft	North Reference:	True
Reference Well:	WILMOTH W 5A-214	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
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 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 us	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	14/03/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	13,251.9	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
Offet Well - Wellbore - Design						
NW NW SEC. 5 T4N R64W 6th P.M.						
EXIST DD ARD PC C 6-18D - Wellbore #1 - Wellbore #1	10,639.7	6,990.6	354.3	225.3	2.748	CC, ES, SF
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	11,979.7	6,969.2	1,494.8	1,329.4	9.034	CC
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,000.0	6,968.4	1,495.0	1,328.9	9.004	ES
EXIST DD ARD PC C 6-20D - Wellbore #1 - Wellbore #1	12,400.0	6,952.7	1,552.7	1,375.5	8.763	SF
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,667.0	6,963.6	1,547.4	1,418.0	11.957	CC
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	10,700.0	6,961.9	1,547.8	1,417.5	11.876	ES
EXIST DD ARD PC C 6-21D - Wellbore #1 - Wellbore #1	11,200.0	6,936.2	1,636.4	1,492.3	11.352	SF
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	4,125.1	3,733.0	3,849.5	3,824.3	152.460	CC, ES
EXIST DD BURMAN C4-32D - Wellbore #1 - Wellbore #1	12,600.0	7,166.0	9,901.8	9,713.8	52.663	SF
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,155.5	6,593.9	2,228.2	2,174.6	41.520	CC, ES
EXIST DD BURMAN C5-17D - Wellbore #1 - Wellbore #1	6,200.0	6,639.6	2,229.6	2,175.8	41.490	SF
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,149.5	6,499.7	1,808.4	1,759.7	37.137	ES
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	6,184.7	6,529.1	1,807.8	1,771.7	50.096	CC
EXIST DD BURMAN C5-21D - Wellbore #1 - Wellbore #1	13,251.9	7,086.1	7,925.9	7,710.8	36.848	SF
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	5,571.9	5,684.0	2,543.6	2,508.6	72.782	CC, ES
EXIST DD BURMAN C5-22D - Wellbore #1 - Wellbore #1	13,251.9	6,855.6	8,964.1	8,764.9	44.995	SF
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #1	4,158.3	3,669.3	3,416.5	3,404.7	289.085	CC, ES
EXIST DD CONNELL C4-31D - Wellbore #1 - Wellbore #1	12,900.0	6,937.2	9,945.1	9,770.6	56.980	SF
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wellbore #1	12,529.8	7,541.6	959.6	763.9	4.902	CC, ES
EXIST HZ SCHMIDT PC C 06-69HC - Wellbore #1 - Wellbore #1	13,100.0	6,963.6	964.2	764.5	4.829	SF
EXIST HZ SCHMIDT PC CO 6-79HN - Wellbore #1 - Wellbore #1	13,251.9	8,834.3	388.8	318.6	5.539	CC, ES, SF
EXIST VERT ARD 11-6 - Wellbore #1 - Wellbore #1	12,453.8	6,865.9	520.7	358.7	3.214	CC, ES
EXIST VERT ARD 11-6 - Wellbore #1 - Wellbore #1	12,500.0	6,865.7	522.8	359.5	3.201	SF
EXIST VERT ARD 6-314 - Wellbore #1 - Design #1	11,696.5	6,873.8	50.6	-225.5	0.183	Level 1, CC, ES, SF
EXIST VERT ARD 6-3J1 - Wellbore #1 - Wellbore #1	11,240.9	6,854.5	468.9	340.7	3.657	CC, ES
EXIST VERT ARD 6-3J1 - Wellbore #1 - Wellbore #1	11,300.0	6,853.5	472.6	342.7	3.639	SF
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,250.6	6,879.6	917.2	789.0	7.152	CC
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,300.0	6,877.1	918.6	788.9	7.086	ES
EXIST VERT COBB 6-1 - Wellbore #1 - Wellbore #1	11,400.0	6,872.0	929.3	796.9	7.018	SF
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,604.5	6,901.4	762.7	596.5	4.589	CC, ES
EXIST VERT COBB 6-23 - Wellbore #1 - Wellbore #1	12,700.0	6,899.7	768.7	599.8	4.552	SF
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	3,640.5	2,600.0	4,547.8	4,538.5	490.886	CC, ES
EXIST VERT CONNELL 1 - Wellbore #1 - Wellbore #1	11,300.0	2,600.0	9,956.9	9,916.9	249.077	SF
EXIST VERT CONNELL 4-314 - Wellbore #1 - Wellbore #1	5,567.7	5,457.5	5,703.1	5,686.9	351.627	CC
EXIST VERT CONNELL 4-314 - Wellbore #1 - Wellbore #1	5,600.0	5,483.8	5,703.2	5,686.9	350.276	ES
EXIST VERT CONNELL 4-314 - Wellbore #1 - Wellbore #1	10,800.0	6,800.0	9,946.4	9,831.0	86.187	SF
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore #1	5,318.8	5,209.5	6,121.0	6,105.2	387.953	CC

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

Anticollision Report



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well WILMOTH W 5A-214
Project:	WELD COUNTY, COLORADO	TVD Reference:	KB-EST @ 4762.0usft
Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	MD Reference:	KB-EST @ 4762.0usft
Site Error:	0.0 usft	North Reference:	True
Reference Well:	WILMOTH W 5A-214	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #2	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	5,400.0	5,275.7	6,121.1	6,105.2	384.144	ES
EXIST VERT CONNELL C4-18 - Wellbore #1 - Wellbore	10,400.0	6,746.9	9,963.1	9,858.6	95.411	SF
EXIST VERT CONNELL C4-19 - Wellbore #1 - Design #1	6,149.5	6,056.8	4,993.8	4,856.9	36.473	CC, ES
EXIST VERT CONNELL C4-19 - Wellbore #1 - Design #1	7,275.6	6,773.0	5,710.8	5,553.9	36.398	SF
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,448.0	5,356.7	4,931.9	4,916.0	310.686	CC
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	5,500.0	5,400.0	4,932.0	4,916.0	308.726	ES
EXIST VERT CONNELL C4-20 - Wellbore #1 - Wellbore	11,700.0	6,777.1	9,978.0	9,837.1	70.800	SF
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,544.5	5,431.2	5,103.2	5,087.0	315.540	CC
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	5,600.0	5,477.7	5,103.2	5,087.0	313.441	ES
EXIST VERT CONNELL C4-29 - Wellbore #1 - Wellbore	11,400.0	6,800.0	9,911.9	9,779.6	74.920	SF
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	5,791.9	5,700.0	4,169.8	4,153.3	252.802	CC
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	5,900.0	5,790.9	4,169.9	4,153.2	249.626	ES
EXIST VERT CONNELL C4-5 - Wellbore #1 - Wellbore #	12,400.0	6,800.0	9,978.6	9,818.3	62.244	SF
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	4,729.4	4,626.9	5,700.1	5,685.2	380.799	CC
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	6,102.4	6,000.0	5,702.3	5,684.9	328.369	ES
EXIST VERT EHRlich 1 - Wellbore #1 - Wellbore #1	10,800.0	6,761.4	9,917.7	9,801.8	85.576	SF
EXIST VERT KUIS C5-1 - Wellbore #1 - Design #1	6,149.5	6,054.8	2,993.6	2,856.4	21.825	CC, ES, SF
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	4,663.3	4,573.0	1,683.9	1,669.1	114.065	CC
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	4,700.0	4,605.3	1,683.9	1,669.1	113.625	ES
EXIST VERT KUIS C5-2 - Wellbore #1 - Wellbore #1	13,251.9	6,664.9	8,314.9	8,133.2	45.759	SF
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,120.2	5,034.9	1,893.6	1,879.1	129.958	CC
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	5,200.0	5,109.2	1,893.8	1,879.0	128.489	ES
EXIST VERT KUIS C5-7 - Wellbore #1 - Wellbore #1	13,251.9	6,716.9	8,445.6	8,261.9	45.971	SF
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	2,829.3	2,787.4	258.9	250.8	31.925	CC, ES
EXIST VERT NICMOTH C5-19 - Wellbore #1 - Wellbore	6,850.0	6,681.8	300.6	282.3	16.466	SF
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,486.4	6,650.0	420.4	393.1	15.358	CC
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,500.0	6,650.0	420.6	393.0	15.217	ES
EXIST VERT NIKOLORIC 11-5 - Wellbore #1 - Wellbore	7,600.0	6,650.0	435.5	405.8	14.654	SF
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	7,530.5	6,803.5	888.7	860.3	31.312	CC, ES
EXIST VERT NIKOLORIC C5-5 - Wellbore #1 - Wellbore	8,300.0	6,803.3	1,175.5	1,128.2	24.845	SF
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,149.5	6,180.2	6,938.3	6,920.8	398.183	ES
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	6,164.5	6,193.1	6,938.1	6,922.9	456.343	CC
EXIST VERT SITZMAN 1 - Wellbore #1 - Wellbore #1	9,600.0	6,750.0	9,968.0	9,885.4	120.798	SF
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	4,814.8	4,700.0	8,343.0	8,328.2	565.827	CC, ES
EXIST VERT SITZMAN 2 - Wellbore #1 - Wellbore #1	8,200.0	6,666.0	9,984.1	9,939.4	223.468	SF
EXIST VERT SITZMAN 4-114 - Wellbore #1 - Design #1	6,149.5	6,041.8	8,507.5	8,370.7	62.189	CC, ES
EXIST VERT SITZMAN 4-114 - Wellbore #1 - Design #1	8,000.0	6,756.9	9,946.2	9,772.9	57.393	SF
EXIST VERT SITZMAN 4-714 - Wellbore #1 - Design #1	6,149.5	6,049.8	7,034.0	6,897.2	51.424	CC, ES
EXIST VERT SITZMAN 4-714 - Wellbore #1 - Design #1	9,500.0	6,762.5	9,962.8	9,749.3	46.677	SF
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,149.5	6,085.6	7,531.7	7,514.4	433.322	ES
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	6,154.0	6,090.9	7,531.7	7,516.3	489.669	CC
EXIST VERT SITZMAN C4-17 - Wellbore #1 - Wellbore #	9,000.0	6,750.0	9,969.2	9,903.2	151.041	SF
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	6,149.5	6,050.8	7,733.2	7,596.5	56.564	CC, ES
EXIST VERT SITZMAN C4-22 - Wellbore #1 - Design #1	8,800.0	6,764.6	9,945.1	9,750.7	51.149	SF
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	5,522.4	5,400.0	7,660.8	7,644.6	474.857	CC, ES
EXIST VERT SITZMAN C4-27 - Wellbore #1 - Wellbore #	8,900.0	6,750.0	9,995.2	9,931.9	157.860	SF
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,149.5	6,049.7	6,519.0	6,501.1	362.775	ES
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	6,150.8	6,050.4	6,519.0	6,504.0	433.825	CC
EXIST VERT SITZMAN C4-28 - Wellbore #1 - Wellbore #	10,000.0	6,500.0	9,937.4	9,845.1	107.699	SF
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	4,936.7	4,848.2	3,171.8	3,157.1	215.669	CC
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	5,000.0	4,908.8	3,171.8	3,157.0	213.930	ES
EXIST VERT SMITH-REEVES 42-5 - Wellbore #1 - Well	13,251.9	6,550.0	9,791.7	9,613.3	54.861	SF
EXIST VERT STATE SCHMIDT 36-3 - Wellbore #1 - We	13,251.9	6,842.2	1,831.9	1,647.7	9.946	CC, ES, SF

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

Anticollision Report



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well WILMOTH W 5A-214
Project:	WELD COUNTY, COLORADO	TVD Reference:	KB-EST @ 4762.0usft
Reference Site:	NW NW SEC. 5 T4N R64W 6th P.M.	MD Reference:	KB-EST @ 4762.0usft
Site Error:	0.0 usft	North Reference:	True
Reference Well:	WILMOTH W 5A-214	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #2	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 WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,020.0	6,848.8	914.1	820.0	9.718	CC, ES
EXIST VERT WILMOTH 6-1 - Wellbore #1 - Wellbore #1	10,300.0	6,834.5	955.9	854.1	9.389	SF
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	8,760.1	6,797.7	1,021.2	961.7	17.166	CC
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	8,800.0	6,798.3	1,022.0	961.4	16.875	ES
EXIST VERT WILMOTH 6-14 - Wellbore #1 - Wellbore #	9,200.0	6,804.4	1,111.9	1,040.5	15.568	SF
EXIST VERT WILMOTH 6-2 - Wellbore #1 - Wellbore #1	8,753.3	6,819.0	139.8	80.1	2.343	CC, ES, SF
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #1	10,074.1	6,836.1	404.0	308.4	4.225	CC, ES
EXIST VERT WILMOTH 6-3 - Wellbore #1 - Wellbore #1	10,100.0	6,835.8	404.9	308.5	4.202	SF
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,550.8	4,467.9	864.5	852.6	72.563	CC
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	4,564.5	4,480.3	864.6	850.5	61.462	ES
EXIST VERT WILMOTH C5-18 - Wellbore #1 - Wellbore	12,500.0	6,700.0	6,804.4	6,650.9	44.321	SF
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	6,163.6	6,100.9	972.0	954.8	56.498	CC, ES
EXIST VERT WILMOTH C5-6 - Wellbore #1 - Wellbore #	13,251.9	6,764.7	7,142.5	6,958.4	38.805	SF
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbore	5,231.2	5,148.8	709.2	695.1	50.206	CC
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbore	5,300.0	5,217.0	709.2	695.0	49.711	ES
EXIST VERT WILMOTH PM C5-3 - Wellbore #1 - Wellbore	13,251.9	6,700.0	7,162.1	6,979.5	39.216	SF
WILMOTH E 5A-202 - ORIGINAL WELLBORE - PROPO	7,063.7	7,177.9	46.5	7.3	1.187	Level 2, CC, ES, SF
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	389.9	388.9	61.9	60.5	42.590	CC
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	400.0	399.0	61.9	60.4	41.361	ES
WILMOTH E 5A-232 - ORIGINAL WELLBORE - PROPO	2,000.0	1,998.4	81.9	73.5	9.782	SF
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	389.9	388.9	76.5	75.1	52.611	CC
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	400.0	399.0	76.5	75.0	51.092	ES
WILMOTH E 5A-302 - ORIGINAL WELLBORE - PROPO	7,500.0	6,887.7	454.7	411.5	10.516	SF
WILMOTH E 5A-312 - ORIGINAL WELLBORE - PROPO	413.5	412.4	105.7	104.1	67.458	CC, ES
WILMOTH E 5A-312 - ORIGINAL WELLBORE - PROPO	7,300.0	7,011.4	270.8	230.1	6.657	SF
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	300.0	299.0	120.4	119.3	112.501	CC, ES
WILMOTH E 5J-232 - ORIGINAL WELLBORE - PROPO	7,700.0	6,726.9	805.9	758.7	17.068	SF
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	389.9	388.9	45.9	44.5	31.569	CC
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	400.0	399.0	45.9	44.4	30.660	ES
WILMOTH E 5K-312 - ORIGINAL WELLBORE - PROPO	1,900.0	1,898.7	66.9	59.0	8.438	SF
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPC	300.0	300.0	29.1	28.1	27.184	CC
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPC	400.0	400.0	29.2	27.7	19.328	ES
WILMOTH W 5A-204 - ORIGINAL WELLBORE - PROPC	13,251.9	13,235.6	487.4	123.1	1.338	Level 3, SF
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPC	300.0	300.0	14.6	13.5	13.592	CC
WILMOTH W 5A-304 - ORIGINAL WELLBORE - PROPC	13,251.9	13,334.4	251.3	-94.0	0.728	Level 1, ES, SF
WILMOTH W 5A-314 - ORIGINAL WELLBORE - PROPC	557.2	556.0	14.8	12.6	6.723	CC
WILMOTH W 5A-314 - ORIGINAL WELLBORE - PROPC	13,251.9	13,363.3	321.1	-31.3	0.911	Level 1, ES, SF
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPC	300.0	300.0	43.7	42.6	40.776	CC, ES
WILMOTH W 5A-334 - ORIGINAL WELLBORE - PROPC	13,251.9	13,345.9	739.8	376.3	2.035	SF
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPC	557.2	556.0	29.3	27.1	13.277	CC
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPC	1,600.0	1,599.0	29.3	22.6	4.405	ES
WILMOTH W 5J-234 - ORIGINAL WELLBORE - PROPC	13,251.9	13,334.3	688.5	323.5	1.886	SF
SW SW SEC. 34 T5N R64W 6th P.M.						
BAILEY 34I-303 - ORIGINAL WELLBORE - PROPOSAL	6,201.5	8,792.3	8,952.7	8,903.1	180.734	CC, ES, SF

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

Header Information	measured depth (ft)	inclination (°)	azimuth (°)	true vertical depth (ft)	northing +N/-S (ft)	easting +E/-W (ft)	Vsec (ft)
Operator Name	0	0	0	0	0	0	0
PDC ENERGY	100	0	0	100	0	0	0
Operator Number	200	0	0	200	0	0	0
69175	300	0	0	300	0	0	0
Well Name and Number	400	2	90	399.98	0	1.75	-1.75
WILMOTH W 5A-214	500	4	90	499.84	0	6.98	-6.98
API Number (if available)	550	5	90	549.68	0	10.9	-10.9
	587	5	90	586.54	0	14.13	-14.13
Location: QQ SEC TWP RGE	600	4.74	90	599.5	0	15.23	-15.23
NW NW SEC. 5 T4N R64W	700	2.74	90	699.28	0	21.75	-21.75
Citing Type: Planned or Actual	800	0.74	90	799.23	0	24.79	-24.79
Planned	837	0	0	836.22	0	25.03	-25.03
Deviation Indicator	900	0	0	899.22	0	25.03	-25.03
Horizontal	1000	0	0	999.22	0	25.03	-25.03
North Reference	1100	0	0	1099.22	0	25.03	-25.03
True	1200	0	0	1199.22	0	25.03	-25.03
Grid Type	1300	0	0	1299.22	0	25.03	-25.03
	1400	0	0	1399.22	0	25.03	-25.03
	1500	0	0	1499.22	0	25.03	-25.03
	1600	0	0	1599.22	0	25.03	-25.03
	1700	0	0	1699.22	0	25.03	-25.03
	1800	0	0	1799.22	0	25.03	-25.03
	1800.78	0	0	1800	0	25.03	-25.03
	1900	1.98	82.93	1899.2	0.21	26.73	-26.73
	2000	3.98	82.93	1999.06	0.85	31.9	-31.89
	2100	5.98	82.93	2098.68	1.92	40.52	-40.5
	2200	7.98	82.93	2197.93	3.42	52.59	-52.56
	2300	9.98	82.93	2296.7	5.34	68.09	-68.04
	2400	11.98	82.93	2394.86	7.69	86.99	-86.92
	2400.89	12	82.93	2395.74	7.71	87.18	-87.11
	2500	12	82.93	2492.68	10.25	107.63	-107.53
	2600	12	82.93	2590.49	12.81	128.27	-128.15
	2700	12	82.93	2688.31	15.37	148.9	-148.76
	2800	12	82.93	2786.12	17.93	169.54	-169.37
	2900	12	82.93	2883.93	20.49	190.18	-189.99
	3000	12	82.93	2981.75	23.05	210.82	-210.6
	3100	12	82.93	3079.56	25.62	231.45	-231.21
	3200	12	82.93	3177.38	28.18	252.09	-251.83
	3300	12	82.93	3275.19	30.74	272.73	-272.44
	3400	12	82.93	3373	33.3	293.36	-293.05
	3500	12	82.93	3470.82	35.86	314	-313.67
	3600	12	82.93	3568.63	38.42	334.64	-334.28
	3700	12	82.93	3666.45	40.98	355.27	-354.89
	3800	12	82.93	3764.26	43.54	375.91	-375.51
	3900	12	82.93	3862.07	46.1	396.55	-396.12
	3964.39	12	82.93	3925.06	47.75	409.84	-409.4
	4000	11.29	82.93	3959.93	48.64	416.97	-416.52
	4100	9.29	82.93	4058.32	50.84	434.7	-434.23
	4200	7.29	82.93	4157.27	52.61	449	-448.52
	4300	5.29	82.93	4256.66	53.96	459.88	-459.38
	4400	3.29	82.93	4356.38	54.88	467.3	-466.79
	4500	1.29	82.93	4456.29	55.37	471.27	-470.75
	4564.51	0	0	4520.8	55.46	471.99	-471.47
	4600	0	0	4556.29	55.46	471.99	-471.47
	4700	0	0	4656.29	55.46	471.99	-471.47
	4800	0	0	4756.29	55.46	471.99	-471.47

4900	0	0	4856.29	55.46	471.99	-471.47
5000	0	0	4956.29	55.46	471.99	-471.47
5100	0	0	5056.29	55.46	471.99	-471.47
5200	0	0	5156.29	55.46	471.99	-471.47
5300	0	0	5256.29	55.46	471.99	-471.47
5400	0	0	5356.29	55.46	471.99	-471.47
5500	0	0	5456.29	55.46	471.99	-471.47
5600	0	0	5556.29	55.46	471.99	-471.47
5700	0	0	5656.29	55.46	471.99	-471.47
5800	0	0	5756.29	55.46	471.99	-471.47
5900	0	0	5856.29	55.46	471.99	-471.47
6000	0	0	5956.29	55.46	471.99	-471.47
6100	0	0	6056.29	55.46	471.99	-471.47
6149.51	0	0	6105.8	55.46	471.99	-471.47
6200	4.04	270	6156.24	55.46	470.21	-469.7
6300	12.04	270	6255.18	55.46	456.24	-455.72
6400	20.04	270	6351.21	55.46	428.63	-428.12
6500	28.04	270	6442.46	55.46	387.93	-387.42
6600	36.04	270	6527.16	55.46	334.92	-334.41
6700	44.04	270	6603.66	55.46	270.64	-270.14
6800	52.04	270	6670.47	55.46	196.34	-195.84
6900	60.04	270	6726.29	55.46	113.47	-112.97
7000	68.04	270	6770.03	55.46	23.63	-23.14
7100	76.04	270	6800.84	55.46	-71.42	71.91
7200	84.04	270	6818.13	55.46	-169.83	170.32
7275.62	90.09	270	6822	55.46	-245.31	245.8
7300	90.09	270	6821.96	55.46	-269.69	270.18
7400	90.09	270	6821.81	55.46	-369.69	370.17
7500	90.09	270	6821.65	55.46	-469.69	470.17
7600	90.09	270	6821.5	55.46	-569.69	570.17
7700	90.09	270	6821.34	55.46	-669.69	670.16
7800	90.09	270	6821.19	55.46	-769.69	770.16
7900	90.09	270	6821.03	55.46	-869.69	870.15
8000	90.09	270	6820.88	55.46	-969.69	970.15
8100	90.09	270	6820.72	55.46	-1069.69	1070.14
8200	90.09	270	6820.56	55.46	-1169.69	1170.14
8300	90.09	270	6820.4	55.46	-1269.69	1270.14
8400	90.09	270	6820.25	55.46	-1369.69	1370.13
8500	90.09	270	6820.09	55.46	-1469.69	1470.13
8600	90.09	270	6819.93	55.46	-1569.69	1570.12
8700	90.09	270	6819.77	55.46	-1669.69	1670.12
8800	90.09	270	6819.61	55.46	-1769.69	1770.12
8900	90.09	270	6819.45	55.46	-1869.69	1870.11
9000	90.09	270	6819.28	55.46	-1969.69	1970.11
9100	90.09	270	6819.12	55.46	-2069.69	2070.1
9200	90.09	270	6818.96	55.46	-2169.69	2170.1
9300	90.09	270	6818.8	55.46	-2269.69	2270.1
9400	90.09	270	6818.64	55.46	-2369.69	2370.09
9500	90.09	270	6818.47	55.46	-2469.69	2470.09
9600	90.09	270	6818.31	55.46	-2569.69	2570.08
9700	90.09	270	6818.14	55.46	-2669.69	2670.08
9800	90.09	270	6817.98	55.46	-2769.69	2770.07
9900	90.09	270	6817.81	55.46	-2869.69	2870.07
10000	90.1	270	6817.65	55.46	-2969.69	2970.07
10100	90.1	270	6817.48	55.46	-3069.69	3070.06
10200	90.1	270	6817.31	55.46	-3169.69	3170.06
10300	90.1	270	6817.15	55.46	-3269.69	3270.05
10400	90.1	270	6816.98	55.46	-3369.69	3370.05
10500	90.1	270	6816.81	55.46	-3469.69	3470.05
10600	90.1	270	6816.64	55.46	-3569.69	3570.04
10700	90.1	270	6816.47	55.46	-3669.69	3670.04

10800	90.1	270	6816.3	55.46	-3769.69	3770.03
10900	90.1	270	6816.13	55.46	-3869.69	3870.03
11000	90.1	270	6815.96	55.46	-3969.69	3970.03
11100	90.1	270	6815.79	55.45	-4069.69	4070.02
11200	90.1	270	6815.62	55.45	-4169.69	4170.02
11300	90.1	270	6815.45	55.45	-4269.69	4270.01
11400	90.1	270	6815.28	55.45	-4369.69	4370.01
11500	90.1	270	6815.1	55.45	-4469.69	4470
11600	90.1	270	6814.93	55.45	-4569.69	4570
11700	90.1	270	6814.76	55.45	-4669.69	4670
11800	90.1	270	6814.58	55.45	-4769.69	4769.99
11900	90.1	270	6814.41	55.45	-4869.69	4869.99
12000	90.1	270	6814.23	55.45	-4969.69	4969.98
12100	90.1	270	6814.06	55.45	-5069.69	5069.98
12200	90.1	270	6813.88	55.45	-5169.69	5169.98
12300	90.1	270	6813.7	55.45	-5269.69	5269.97
12400	90.1	270	6813.53	55.45	-5369.69	5369.97
12500	90.1	270	6813.35	55.45	-5469.69	5469.96
12600	90.1	270	6813.17	55.45	-5569.69	5569.96
12700	90.1	270	6812.99	55.45	-5669.69	5669.96
12800	90.1	270	6812.81	55.44	-5769.69	5769.95
12900	90.1	270	6812.63	55.44	-5869.69	5869.95
13000	90.1	270	6812.45	55.44	-5969.69	5969.94
13100	90.1	270	6812.27	55.44	-6069.69	6069.94
13200	90.1	270	6812.09	55.44	-6169.69	6169.93
13251.92	90.1	270	6812	55.44	-6221.6	6221.85