

**PROPOSED LOCAL COORDINATES:**

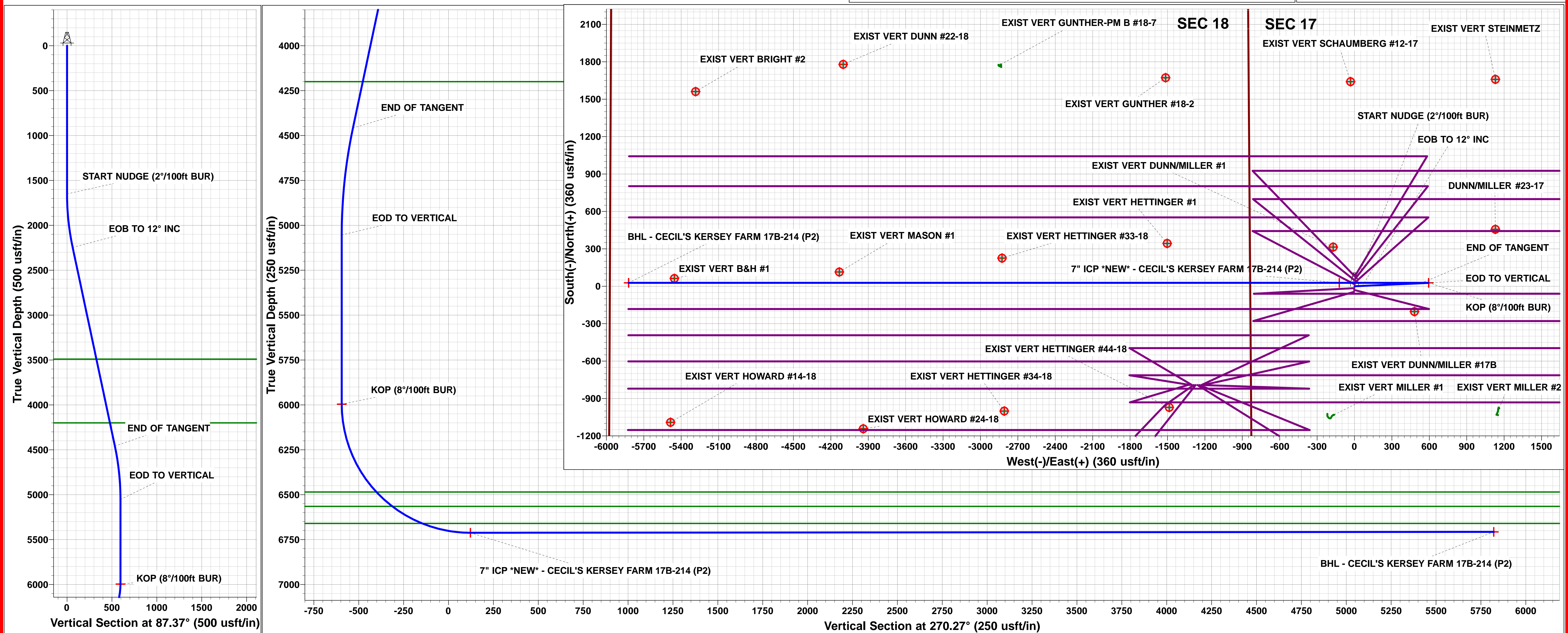
**SHL: 1665ft FSL & 837ft FWL of Sec 17**

**7" ICP \*NEW\*: 1693.4ft FSL & 714.5ft FWL of Sec 17**

**BHL: 1720ft FSL & 150ft FWL of Sec 18**

**Azimuths to True North**  
**Magnetic North: 8.30°**

**Magnetic Field**  
**Strength: 52614.5nT**  
**Dip Angle: 66.93°**  
**Date: 06/09/2015**  
**Model: IGRF2015**



# **PDC ENERGY**

**WELD COUNTY, COLORADO  
NW SW SEC. 17 T5N R64W 6th P.M.  
CECIL'S KERSEY FARM 17B-214**

**ORIGINAL WELLBORE  
PROPOSAL #2**

## **Anticollision Report**

**16 September, 2015**



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well CECIL'S KERSEY FARM 17B-214
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Reference Site:</b>	NW SW SEC. 17 T5N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	CECIL'S KERSEY FARM 17B-214	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 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 #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 98.4usft	<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 10,000.0 us	<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>	16/09/2015		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	12,879.1	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
Offset Well - Wellbore - Design						
NW SW SEC. 17 T5N R64W 6th P.M.						
CECIL'S KERSEY FARM 17B-212 - ORIGINAL WELLBC	1,238.1	1,238.1	15.0	9.7	2.824	CC
CECIL'S KERSEY FARM 17B-212 - ORIGINAL WELLBC	1,300.0	1,300.0	15.1	9.5	2.700	ES
CECIL'S KERSEY FARM 17B-212 - ORIGINAL WELLBC	7,050.0	7,288.5	87.4	43.0	1.967	SF
CECIL'S KERSEY FARM 17B-302 - ORIGINAL WELLBC	1,037.2	1,037.2	45.0	40.6	10.208	CC
CECIL'S KERSEY FARM 17B-302 - ORIGINAL WELLBC	1,082.7	1,082.5	45.1	40.5	9.784	ES
CECIL'S KERSEY FARM 17B-302 - ORIGINAL WELLBC	7,578.7	6,857.8	311.7	262.6	6.350	SF
CECIL'S KERSEY FARM 17B-304 - ORIGINAL WELLBC	1,137.7	1,137.7	30.0	25.1	6.173	CC
CECIL'S KERSEY FARM 17B-304 - ORIGINAL WELLBC	12,879.1	12,964.6	221.2	-110.4	0.667	Level 1, ES, SF
CECIL'S KERSEY FARM 17K-204 - ORIGINAL WELLBC	1,237.4	1,237.4	60.0	54.7	11.304	CC
CECIL'S KERSEY FARM 17K-204 - ORIGINAL WELLBC	1,279.5	1,279.0	60.1	54.6	10.942	ES
CECIL'S KERSEY FARM 17K-204 - ORIGINAL WELLBC	12,879.1	12,915.0	775.3	428.2	2.234	SF
CECIL'S KERSEY FARM 17K-232 - ORIGINAL WELLBC	1,337.5	1,337.5	45.0	39.2	7.815	CC
CECIL'S KERSEY FARM 17K-232 - ORIGINAL WELLBC	1,377.9	1,377.7	45.1	39.1	7.591	ES
CECIL'S KERSEY FARM 17K-232 - ORIGINAL WELLBC	1,500.0	1,498.6	47.3	40.8	7.299	SF
CECIL'S KERSEY FARM 17K-332 - ORIGINAL WELLBC	1,537.6	1,537.6	15.0	8.3	2.253	CC
CECIL'S KERSEY FARM 17K-332 - ORIGINAL WELLBC	1,574.8	1,574.8	15.0	8.2	2.205	ES
CECIL'S KERSEY FARM 17K-332 - ORIGINAL WELLBC	1,600.0	1,599.9	15.2	8.2	2.188	SF
CECIL'S KERSEY FARM 17K-334 - ORIGINAL WELLBC	1,437.5	1,437.5	30.0	23.8	4.833	CC
CECIL'S KERSEY FARM 17K-334 - ORIGINAL WELLBC	1,476.4	1,476.2	30.1	23.7	4.716	ES
CECIL'S KERSEY FARM 17K-334 - ORIGINAL WELLBC	12,879.1	12,975.1	529.6	185.4	1.539	SF
CECIL'S KERSEY FARM 17K-402 - ORIGINAL WELLBC	1,137.3	1,137.3	75.0	70.1	15.439	CC
CECIL'S KERSEY FARM 17K-402 - ORIGINAL WELLBC	1,181.1	1,180.6	75.1	70.1	14.866	ES
CECIL'S KERSEY FARM 17K-402 - ORIGINAL WELLBC	1,400.0	1,395.2	82.4	76.4	13.694	SF
CECIL'S KERSEY FARM 17K-404 - ORIGINAL WELLBC	1,037.1	1,037.1	90.0	85.6	20.421	CC
CECIL'S KERSEY FARM 17K-404 - ORIGINAL WELLBC	1,082.7	1,081.8	90.2	85.6	19.561	ES
CECIL'S KERSEY FARM 17K-404 - ORIGINAL WELLBC	12,879.1	13,080.8	1,030.8	689.4	3.019	SF
EXIST VERT B&H #1 - Wellbore #1 - Design #1	12,512.3	6,708.3	35.2	-263.0	0.118	Level 1, CC, ES, SF
EXIST VERT BRIGHT #2 - Wellbore #1 - Design #1	12,342.1	6,708.5	1,533.6	1,240.2	5.226	CC
EXIST VERT BRIGHT #2 - Wellbore #1 - Design #1	12,400.0	6,708.4	1,534.7	1,239.6	5.201	ES
EXIST VERT BRIGHT #2 - Wellbore #1 - Design #1	12,598.4	6,708.3	1,554.9	1,254.3	5.173	SF
EXIST VERT DUNN #22-18 - Wellbore #1 - Design #1	11,158.3	6,706.6	1,752.0	1,491.5	6.727	CC
EXIST VERT DUNN #22-18 - Wellbore #1 - Design #1	11,200.0	6,706.5	1,752.5	1,490.9	6.699	ES
EXIST VERT DUNN #22-18 - Wellbore #1 - Design #1	11,500.0	6,706.3	1,785.0	1,515.0	6.612	SF
EXIST VERT DUNN/MILLER #1 - Wellbore #1 - Design #	7,228.5	6,709.0	287.1	129.8	1.825	CC, ES, SF
EXIST VERT DUNN/MILLER #17B - Wellbore #1 - Desig	4,214.7	4,157.4	224.7	128.5	2.336	CC
EXIST VERT DUNN/MILLER #17B - Wellbore #1 - Desig	6,463.5	6,373.4	230.2	85.3	1.589	ES, SF
EXIST VERT DUNN/MILLER #23-17 - Wellbore #1 - Des	6,053.9	5,983.8	685.9	550.0	5.046	CC, ES, SF

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



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well CECIL'S KERSEY FARM 17B-214
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Reference Site:</b>	NW SW SEC. 17 T5N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	CECIL'S KERSEY FARM 17B-214	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 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 #2	<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 SW SEC. 17 T5N R64W 6th P.M.						
EXIST VERT GUNTHER #18-2 - Wellbore #1 - Design #	8,572.3	6,704.8	1,644.9	1,455.5	8.683	CC
EXIST VERT GUNTHER #18-2 - Wellbore #1 - Design #	8,600.0	6,704.8	1,645.2	1,455.0	8.651	ES
EXIST VERT GUNTHER #18-2 - Wellbore #1 - Design #	8,956.7	6,704.5	1,689.2	1,489.5	8.457	SF
EXIST VERT GUNTHER-PM B #18-7 - Wellbore #1 - We	9,890.6	6,720.3	1,730.1	1,637.6	18.690	CC
EXIST VERT GUNTHER-PM B #18-7 - Wellbore #1 - We	9,940.9	6,720.2	1,730.9	1,636.9	18.422	ES
EXIST VERT GUNTHER-PM B #18-7 - Wellbore #1 - We	10,800.0	6,719.5	1,954.6	1,836.8	16.600	SF
EXIST VERT H&S #1 - Wellbore #1 - Design #1	6,053.9	5,987.8	2,078.9	1,941.7	15.146	CC, ES, SF
EXIST VERT HETTINGER #1 - Wellbore #1 - Design #1	8,559.9	6,708.8	316.3	127.1	1.672	CC
EXIST VERT HETTINGER #1 - Wellbore #1 - Design #1	8,563.0	6,708.8	316.3	127.1	1.671	ES, SF
EXIST VERT HETTINGER #33-18 - Wellbore #1 - Desig	9,884.3	6,701.7	198.4	-26.7	0.881	Level 1, CC, ES, SF
EXIST VERT HETTINGER #34-18 - Wellbore #1 - Desig	9,866.3	6,706.7	1,027.9	803.3	4.576	CC
EXIST VERT HETTINGER #34-18 - Wellbore #1 - Desig	9,900.0	6,706.7	1,028.5	802.9	4.559	ES
EXIST VERT HETTINGER #34-18 - Wellbore #1 - Desig	10,000.0	6,706.6	1,036.6	808.2	4.540	SF
EXIST VERT HETTINGER #44-18 - Wellbore #1 - Desig	8,543.2	6,703.8	998.9	810.2	5.294	CC
EXIST VERT HETTINGER #44-18 - Wellbore #1 - Desig	8,563.0	6,703.8	999.1	809.9	5.281	ES
EXIST VERT HETTINGER #44-18 - Wellbore #1 - Desig	8,700.0	6,703.7	1,011.1	818.3	5.243	SF
EXIST VERT HOSHIKO #32-17 - Wellbore #1 - Design #	6,053.9	5,985.8	2,493.3	2,357.5	18.362	CC, ES
EXIST VERT HOSHIKO #32-17 - Wellbore #1 - Design #	6,150.0	6,081.6	2,498.1	2,361.7	18.306	SF
EXIST VERT HOSHIKO #42-17 - Wellbore #1 - Design #	6,053.9	5,985.8	3,602.4	3,465.8	26.376	CC, ES, SF
EXIST VERT HOSHIKO/SOLIS #1 - Wellbore #1 - Wellb	5,029.0	4,911.0	2,220.4	2,206.0	153.744	CC
EXIST VERT HOSHIKO/SOLIS #1 - Wellbore #1 - Wellb	5,111.9	4,993.9	2,221.4	2,205.4	139.316	ES
EXIST VERT HOSHIKO/SOLIS #1 - Wellbore #1 - Wellb	12,879.1	6,594.0	8,383.3	8,208.0	47.813	SF
EXIST VERT HOWARD #14-18 - Wellbore #1 - Design #	12,543.2	6,706.3	1,118.5	819.5	3.740	CC
EXIST VERT HOWARD #14-18 - Wellbore #1 - Design #	12,598.4	6,706.3	1,119.9	819.3	3.726	ES
EXIST VERT HOWARD #14-18 - Wellbore #1 - Design #	12,696.8	6,706.2	1,129.0	825.7	3.722	SF
EXIST VERT HOWARD #24-18 - Wellbore #1 - Design #	10,997.2	6,709.7	1,169.8	913.8	4.570	CC
EXIST VERT HOWARD #24-18 - Wellbore #1 - Design #	11,023.6	6,709.7	1,170.1	913.4	4.558	ES
EXIST VERT HOWARD #24-18 - Wellbore #1 - Design #	11,122.0	6,709.6	1,176.5	917.0	4.534	SF
EXIST VERT MASON #1 - Wellbore #1 - Design #1	11,189.2	6,706.5	87.1	-174.2	0.333	Level 1, CC, ES, SF
EXIST VERT MILLER #1 - Wellbore #1 - Wellbore #1	0.0	0.0	1,042.7			
EXIST VERT MILLER #1 - Wellbore #1 - Wellbore #1	7,300.0	6,703.0	1,051.4	1,025.7	40.936	ES
EXIST VERT MILLER #1 - Wellbore #1 - Wellbore #1	8,600.0	6,700.0	1,691.1	1,633.7	29.497	SF
EXIST VERT MILLER #2 - Wellbore #1 - Wellbore #1	5,028.2	4,950.2	1,186.3	1,170.0	72.745	CC, ES
EXIST VERT MILLER #2 - Wellbore #1 - Wellbore #1	12,879.1	6,664.0	7,050.7	6,875.1	40.146	SF
EXIST VERT SCHAUMBERG #12-17 - Wellbore #1 - De	7,089.0	6,698.4	1,613.2	1,458.3	10.417	CC
EXIST VERT SCHAUMBERG #12-17 - Wellbore #1 - De	7,100.0	6,699.7	1,613.2	1,458.2	10.405	ES
EXIST VERT SCHAUMBERG #12-17 - Wellbore #1 - De	7,480.3	6,703.7	1,659.9	1,497.7	10.233	SF
EXIST VERT SOLIS #43-17 - Wellbore #1 - Design #1	6,053.9	5,997.8	3,193.8	3,056.5	23.252	CC, ES, SF
EXIST VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	5,008.6	4,830.7	3,483.4	3,470.2	264.301	CC
EXIST VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	5,111.9	4,946.4	3,485.1	3,468.2	206.275	ES
EXIST VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	12,879.1	6,500.0	9,861.7	9,691.2	57.850	SF
EXIST VERT STEINMETZ #1 - Wellbore #1 - Design #1	6,053.9	5,988.8	1,717.3	1,583.4	12.819	CC
EXIST VERT STEINMETZ #1 - Wellbore #1 - Design #1	6,100.0	6,034.8	1,717.8	1,580.0	12.462	ES
EXIST VERT STEINMETZ #1 - Wellbore #1 - Design #1	6,350.0	6,276.5	1,737.1	1,595.5	12.273	SF

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well CECIL'S KERSEY FARM 17B-214
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Reference Site:</b>	NW SW SEC. 17 T5N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4636.0usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	CECIL'S KERSEY FARM 17B-214	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 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 #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						
SE SE SEC. 18 T5N R64W 6th P.M.						
GILLHAM 18X-102 - ORIGINAL WELLBORE - PROPOS	6,600.0	8,548.6	531.7	457.2	7.138	SF
GILLHAM 18X-102 - ORIGINAL WELLBORE - PROPOS	6,700.0	8,474.2	524.0	451.1	7.188	ES
GILLHAM 18X-102 - ORIGINAL WELLBORE - PROPOS	6,746.5	8,436.7	523.3	451.3	7.265	CC
GILLHAM 18X-104 - ORIGINAL WELLBORE - PROPOS	10,515.1	9,498.2	433.2	250.5	2.371	CC
GILLHAM 18X-104 - ORIGINAL WELLBORE - PROPOS	12,879.1	11,862.2	433.2	123.2	1.398	Level 3, ES, SF
GILLHAM 18X-232 - ORIGINAL WELLBORE - PROPOS	6,889.7	8,399.6	958.8	889.2	13.774	ES
GILLHAM 18X-232 - ORIGINAL WELLBORE - PROPOS	6,985.4	8,309.2	958.3	890.1	14.049	CC
GILLHAM 18X-232 - ORIGINAL WELLBORE - PROPOS	8,900.0	6,578.6	1,015.4	938.0	13.120	SF
GILLHAM 18X-234 - ORIGINAL WELLBORE - PROPOS	12,879.1	11,946.9	848.1	528.4	2.653	CC, ES, SF
GILLHAM 18X-332 - ORIGINAL WELLBORE - PROPOS	8,455.6	6,919.4	741.1	671.9	10.699	CC
GILLHAM 18X-332 - ORIGINAL WELLBORE - PROPOS	8,500.0	6,880.4	741.4	671.3	10.579	ES
GILLHAM 18X-332 - ORIGINAL WELLBORE - PROPOS	8,800.0	6,672.3	768.3	692.5	10.128	SF
GILLHAM 18X-334 - ORIGINAL WELLBORE - PROPOS	7,798.1	6,940.5	630.2	574.8	11.383	CC
GILLHAM 18X-334 - ORIGINAL WELLBORE - PROPOS	12,879.1	12,036.0	634.3	316.8	1.998	ES, SF
GILLHAM 18Y-202 - ORIGINAL WELLBORE - PROPOS	6,850.0	8,471.1	1,482.9	1,413.7	21.425	ES
GILLHAM 18Y-202 - ORIGINAL WELLBORE - PROPOS	6,985.9	8,343.9	1,482.2	1,414.9	22.036	CC
GILLHAM 18Y-202 - ORIGINAL WELLBORE - PROPOS	9,500.0	6,420.6	1,697.7	1,603.7	18.065	SF
GILLHAM 18Y-214 - ORIGINAL WELLBORE - PROPOS	12,879.1	12,005.7	1,380.0	1,060.0	4.313	CC, ES, SF
GILLHAM 18Y-312 - ORIGINAL WELLBORE - PROPOS	8,451.8	6,939.6	1,274.1	1,205.2	18.503	CC
GILLHAM 18Y-312 - ORIGINAL WELLBORE - PROPOS	8,563.0	6,846.2	1,275.3	1,204.1	17.910	ES
GILLHAM 18Y-312 - ORIGINAL WELLBORE - PROPOS	9,300.0	6,500.0	1,412.3	1,323.4	15.899	SF
GILLHAM 18Y-314 - ORIGINAL WELLBORE - PROPOS	7,796.1	6,961.1	1,180.2	1,124.3	21.095	CC
GILLHAM 18Y-314 - ORIGINAL WELLBORE - PROPOS	12,879.1	12,058.3	1,182.3	863.1	3.704	ES, SF

<b>Offset Design</b> NW SW SEC. 17 T5N R64W 6th P.M. - CECIL'S KERSEY FARM 17B-212 - ORIGINAL WELLBORE - P												<b>Offset Site Error:</b>	0.0 usft
<b>Survey Program:</b> 0-MWDD												<b>Offset Well Error:</b>	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-174.67	-14.9	-1.4	15.0				
98.4	98.4	98.4	98.4	0.1	0.1	-174.67	-14.9	-1.4	15.0	14.8	0.19	78.037	
100.0	100.0	100.0	100.0	0.1	0.1	-174.67	-14.9	-1.4	15.0	14.8	0.20	76.716	
196.8	196.8	196.8	196.8	0.3	0.3	-174.67	-14.9	-1.4	15.0	14.4	0.63	23.777	
200.0	200.0	200.0	200.0	0.3	0.3	-174.67	-14.9	-1.4	15.0	14.4	0.65	23.255	
295.3	295.3	295.3	295.3	0.5	0.5	-174.67	-14.9	-1.4	15.0	13.9	1.07	13.976	
300.0	300.0	300.0	300.0	0.5	0.5	-174.67	-14.9	-1.4	15.0	13.9	1.09	13.705	
393.7	393.7	393.7	393.7	0.8	0.8	-174.67	-14.9	-1.4	15.0	13.5	1.52	9.897	
400.0	400.0	400.0	400.0	0.8	0.8	-174.67	-14.9	-1.4	15.0	13.5	1.54	9.715	
492.1	492.1	492.1	492.1	1.0	1.0	-174.67	-14.9	-1.4	15.0	13.0	1.96	7.661	
500.0	500.0	500.0	500.0	1.0	1.0	-174.67	-14.9	-1.4	15.0	13.0	1.99	7.525	
590.5	590.5	590.5	590.5	1.2	1.2	-174.67	-14.9	-1.4	15.0	12.6	2.40	6.249	
600.0	600.0	600.0	600.0	1.2	1.2	-174.67	-14.9	-1.4	15.0	12.6	2.44	6.140	
689.0	689.0	689.0	689.0	1.4	1.4	-174.67	-14.9	-1.4	15.0	12.2	2.84	5.276	
700.0	700.0	700.0	700.0	1.4	1.4	-174.67	-14.9	-1.4	15.0	12.1	2.89	5.186	
787.4	787.4	787.4	787.4	1.6	1.6	-174.67	-14.9	-1.4	15.0	11.7	3.29	4.566	
800.0	800.0	800.0	800.0	1.7	1.7	-174.67	-14.9	-1.4	15.0	11.7	3.34	4.488	
885.8	885.8	885.8	885.8	1.9	1.9	-174.67	-14.9	-1.4	15.0	11.3	3.73	4.024	
900.0	900.0	900.0	900.0	1.9	1.9	-174.67	-14.9	-1.4	15.0	11.2	3.79	3.956	
984.2	984.2	984.2	984.2	2.1	2.1	-174.67	-14.9	-1.4	15.0	10.8	4.17	3.597	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-174.67	-14.9	-1.4	15.0	10.8	4.24	3.537	

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