Plan #2

WELL DETAILS: KODAK SOUTH 15C

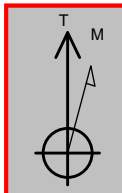
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1408325.01	3176987.54	40° 27' 9.042 N	104° 51' 50.482 W

Plan: Plan #2 (KODAK SOUTH 15C/OWB)

Created By: Mike Mataalii Date: 7:31, February 08 2023

PDC ENERGY

Project: WELD COUNTY
Site: Kodak South
Well: KODAK SOUTH 15C
Wellbore: OWB
Design: Plan #2
Lat: 40° 27' 9.042 N
Long: 104° 51' 50.482 W
GL: 4743.0
KB: KB @ 4771.0usft

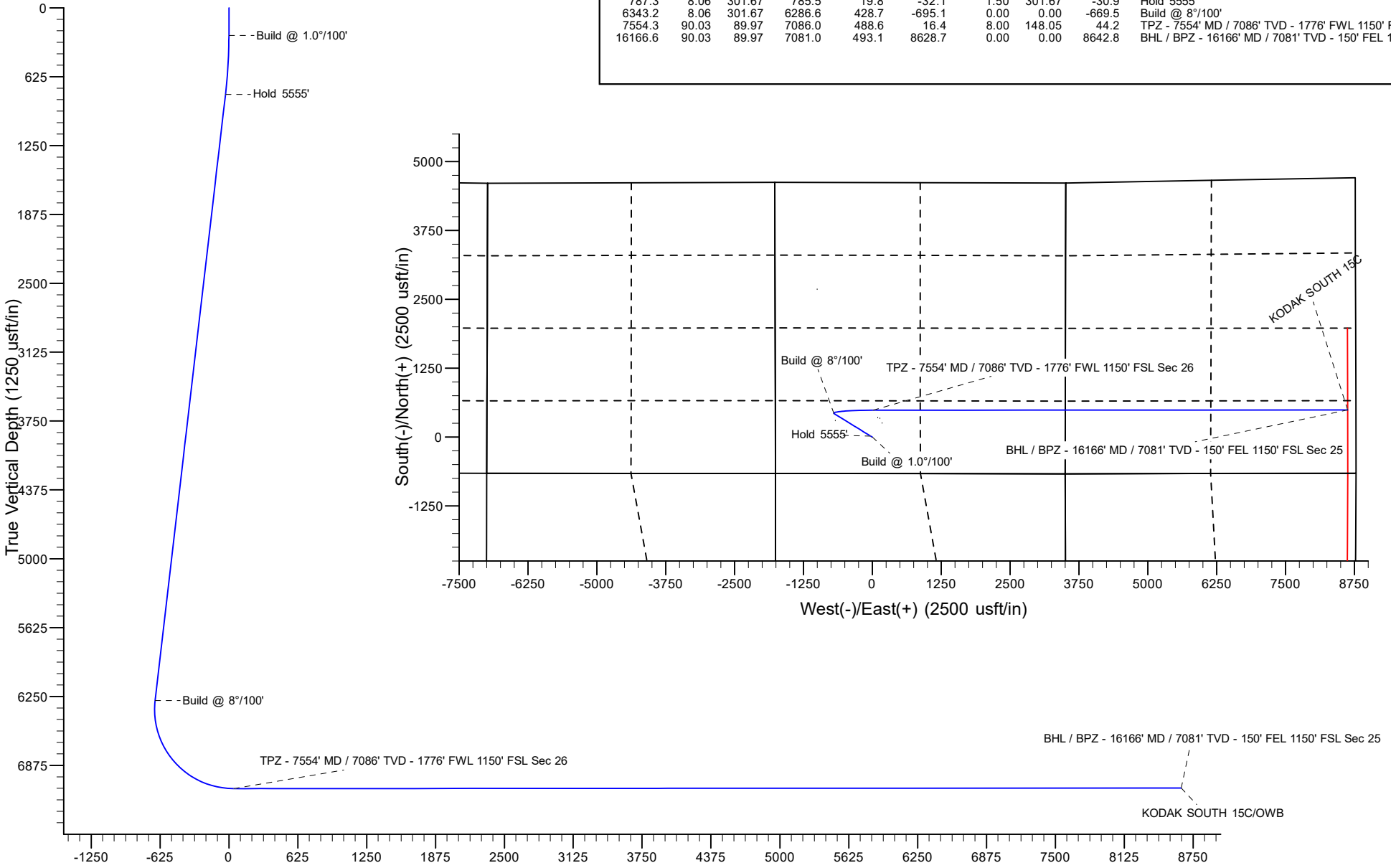


Azimuths to True North
Magnetic North: 10.01°

Magnetic Field
Strength: 53981.1nT
Dip Angle: 67.39°
Date: 12/31/2004
Model: IGRF2000

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	Build @ 1.0°/100'
787.3	8.06	301.67	785.5	19.8	-32.1	1.50	301.67	-30.9	Hold 5555'
6343.2	8.06	301.67	6286.6	428.7	-695.1	0.00	0.00	-669.5	Build @ 8°/100'
7554.3	90.03	89.97	7086.0	488.6	16.4	8.00	148.05	44.2	TPZ - 7554' MD / 7086' TVD - 1776' FWL 1150' FSL Sec 26
16166.6	90.03	89.97	7081.0	493.1	8628.7	0.00	0.00	8642.8	BHL / BPZ - 16166' MD / 7081' TVD - 150' FEL 1150' FSL Sec 25



PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #2	**Offset TVD Reference:**	Offset Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 20,000.0 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 2/8/2023

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	16,166.6	Plan #2 (OWB)	MWD	OWSG 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
Kodak South						
KODAK SOUTH 01NA - OWB - Plan #1	250.0	250.0	156.2	153.4	56.969	CC, ES
KODAK SOUTH 01NA - OWB - Plan #1	8,000.0	6,688.3	1,421.1	1,354.5	21.345	SF
KODAK SOUTH 02N - OWB - Plan #1	250.0	250.0	145.2	142.5	52.985	CC, ES
KODAK SOUTH 02N - OWB - Plan #1	7,900.0	6,822.6	1,142.6	1,077.8	17.621	SF
KODAK SOUTH 03C - OWB - Plan #1	250.0	250.0	134.2	131.5	48.971	CC, ES
KODAK SOUTH 03C - OWB - Plan #1	7,700.0	6,950.0	881.8	820.7	14.424	SF
KODAK SOUTH 04N - OWB - Plan #1	250.0	250.0	124.9	122.2	45.582	CC, ES
KODAK SOUTH 04N - OWB - Plan #1	7,250.0	7,117.8	694.1	639.0	12.595	SF
KODAK SOUTH 05N - OWB - Plan #1	250.0	250.0	116.6	113.9	42.547	CC, ES
KODAK SOUTH 05N - OWB - Plan #1	7,300.0	7,131.3	482.3	428.2	8.908	SF
KODAK SOUTH 06NA - OWB - Plan #1	250.0	250.0	109.6	106.9	40.001	CC, ES
KODAK SOUTH 06NA - OWB - Plan #1	6,900.0	7,178.5	296.2	242.9	5.556	SF
KODAK SOUTH 07C - OWB - Plan #1	7,285.2	7,187.2	65.9	16.1	1.322	Collision Avoidance Req., C(
KODAK SOUTH 07C - OWB - Plan #1	7,300.0	7,177.8	66.9	15.8	1.309	Collision Avoidance Req., ES
KODAK SOUTH 08N - OWB - Plan #1	250.0	250.0	101.1	98.4	36.882	CC
KODAK SOUTH 08N - OWB - Plan #1	7,100.0	7,224.8	128.4	79.5	2.625	SF
KODAK SOUTH 08N - OWB - Plan #1	7,125.1	7,208.9	126.9	78.9	2.643	ES
KODAK SOUTH 09N - OWB - Plan #1	250.0	250.0	99.9	97.2	36.449	CC, ES
KODAK SOUTH 09N - OWB - Plan #1	6,950.0	7,251.6	327.6	280.8	7.001	SF
KODAK SOUTH 10NA - OWB - Plan #1	250.0	250.0	101.1	98.3	36.867	CC, ES
KODAK SOUTH 10NA - OWB - Plan #1	6,800.0	7,201.3	517.5	473.8	11.832	SF
KODAK SOUTH 11C - OWB - Plan #1	250.0	250.0	104.3	101.6	38.064	CC, ES
KODAK SOUTH 11C - OWB - Plan #1	7,150.0	7,250.6	742.2	696.6	16.285	SF
KODAK SOUTH 12N - OWB - Plan #1	250.0	250.0	109.7	106.9	40.003	CC, ES
KODAK SOUTH 12N - OWB - Plan #1	6,850.0	7,323.0	937.0	887.4	18.878	SF
KODAK SOUTH 13N - OWB - Plan #1	250.0	250.0	116.7	113.9	42.570	CC, ES
KODAK SOUTH 13N - OWB - Plan #1	700.0	691.9	153.5	146.2	20.980	SF
KODAK SOUTH 14N - OWB - Plan #1	250.0	250.0	125.0	122.3	45.617	CC, ES
KODAK SOUTH 14N - OWB - Plan #1	700.0	690.6	163.0	155.7	22.302	SF
KODAK SOUTH 16NA - OWB - Plan #2	250.0	250.0	15.1	12.3	5.491	CC
KODAK SOUTH 16NA - OWB - Plan #2	400.0	400.2	15.6	11.7	4.008	ES
KODAK SOUTH 16NA - OWB - Plan #2	16,166.6	15,874.7	406.8	114.2	1.391	Collision Avoidance Req., SF
KODAK SOUTH 17N - OWB - Plan #2	250.0	250.0	30.0	27.2	10.926	CC
KODAK SOUTH 17N - OWB - Plan #2	16,166.6	16,075.4	455.6	-24.5	0.949	No-Go Zone - Stop Drilling, E
KODAK SOUTH 18N - OWB - Plan #2	250.0	250.0	45.0	42.3	16.421	CC, ES
KODAK SOUTH 18N - OWB - Plan #2	16,166.6	15,993.1	697.8	226.4	1.480	Collision Avoidance Req., SF
KODAK SOUTH 19N - OWB - Plan #1	250.0	250.0	60.1	57.4	21.933	CC, ES

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

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #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
Kodak South						
KODAK SOUTH 19N - OWB - Plan #1	16,166.6	16,417.2	912.7	416.6	1.840	Collision Risk Procedures Re
KODAK SOUTH 20NA - OWB - Plan #1	250.0	250.0	75.0	72.2	27.351	CC, ES
KODAK SOUTH 20NA - OWB - Plan #1	16,166.6	16,210.2	1,208.8	729.3	2.521	SF
Kodak South FD 25-201HC - OWB - OWB	1,031.3	1,019.0	98.4	90.9	13.221	CC, ES
Kodak South FD 25-201HC - OWB - OWB	16,166.6	16,365.0	1,477.8	993.4	3.051	SF
Kodak South FD 25-240HN - OWB - OWB	917.3	906.4	71.6	64.6	10.233	CC, ES
Kodak South FD 25-240HN - OWB - OWB	16,166.6	16,167.2	1,157.7	673.9	2.393	SF
Kodak South FD 25-240HNX - OWB - OWB	864.9	854.0	94.3	87.7	14.263	CC
Kodak South FD 25-240HNX - OWB - OWB	900.0	888.6	94.5	87.7	13.898	ES
Kodak South FD 25-240HNX - OWB - OWB	10,300.0	9,777.0	1,345.7	1,178.8	8.060	SF
Kodak South FD 25-240HNX - ST01 - ST01	864.9	854.0	94.3	87.7	14.263	CC
Kodak South FD 25-240HNX - ST01 - ST01	900.0	888.6	94.5	87.7	13.898	ES
Kodak South FD 25-240HNX - ST01 - ST01	16,166.6	15,898.8	1,392.0	917.2	2.932	SF
Kodak South FD 25-241HC - OWB - OWB	788.6	778.7	46.8	40.5	7.399	CC
Kodak South FD 25-241HC - OWB - OWB	800.0	790.1	46.9	40.5	7.336	ES
Kodak South FD 25-241HC - OWB - OWB	13,000.0	12,970.8	778.2	463.0	2.469	SF
Kodak South FD 25-241HC - ST01 - ST01	788.6	778.7	46.8	40.5	7.399	CC
Kodak South FD 25-241HC - ST01 - ST01	800.0	790.1	46.9	40.5	7.336	ES
Kodak South FD 25-241HC - ST01 - ST01	16,166.6	16,170.5	725.0	240.0	1.495	Collision Avoidance Req., SF
Kodak South FD 25-241HN - OWB - OWB	734.6	724.8	67.4	61.4	11.247	CC, ES
Kodak South FD 25-241HN - OWB - OWB	16,166.6	16,103.8	889.1	407.3	1.845	Collision Risk Procedures Re
Kodak South FD 25-280HN - OWB - OWB	662.8	653.6	23.0	17.3	4.080	CC
Kodak South FD 25-280HN - OWB - OWB	16,166.6	16,124.3	499.9	16.2	1.034	Collision Avoidance Req., ES
Kodak South FD 25-280HNX - OWB - OWB	604.2	595.2	40.4	35.1	7.649	CC, ES
Kodak South FD 25-280HNX - OWB - OWB	16,166.6	15,976.4	758.4	306.6	1.679	Collision Risk Procedures Re
Kodak South FD 25-280HNX - ST01 - ST01	604.2	595.2	40.4	35.1	7.649	CC, ES
Kodak South FD 25-280HNX - ST01 - ST01	16,166.6	15,983.4	664.1	225.0	1.512	Collision Risk Procedures Re
Kodak South FD 25-320HN - OWB - OWB	418.0	409.5	14.0	9.8	3.381	CC
Kodak South FD 25-320HN - OWB - OWB	16,166.6	15,954.5	264.1	-129.9	0.670	No-Go Zone - Stop Drilling, E

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #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
Kodak South Offsets						
MERLIN #29E-10-4N - OWB - OWB	6,461.9	11,990.0	11,590.1	11,532.3	200.466	CC, ES
MERLIN #29E-10-4N - OWB - OWB	6,500.0	11,990.0	11,591.2	11,533.4	200.464	SF
MERLIN #29E-10-6N - OWB - OWB	6,465.2	12,080.0	11,556.2	11,496.1	192.249	CC, ES, SF
Ag State #30C-31-L - OWB - OWB	16,166.6	18,568.0	1,451.4	903.4	2.649	CC, ES, SF
Ag State #30N-31B-L - OWB - OWB	16,166.6	18,390.0	1,249.5	711.9	2.324	CC, ES, SF
Ag State #31C-31-L - OWB - OWB	16,166.6	18,600.0	2,529.0	1,978.6	4.594	CC, ES, SF
Ag State #31N-31C-L - OWB - OWB	16,166.6	18,513.0	2,311.5	1,761.6	4.203	CC, ES, SF
Ag State #4C-31-L - OWB\ - OWB\	16,166.6	18,590.0	2,201.5	1,651.8	4.005	CC, ES, SF
Ag State #4N-31B-L - OWB - OWB	16,166.6	18,424.0	2,061.9	1,513.8	3.762	CC, ES, SF
Ag State #4N-31C-L - OWB - OWB	16,166.6	18,463.0	1,665.6	1,116.8	3.035	CC, ES, SF
CHRISTIANSEN #35-15 - OWB - OWB	9,802.0	7,190.1	2,513.3	2,410.4	24.426	CC
CHRISTIANSEN #35-15 - OWB - OWB	9,900.0	7,190.1	2,515.2	2,409.8	23.871	ES
CHRISTIANSEN #35-15 - OWB - OWB	10,600.0	7,189.5	2,636.9	2,517.8	22.123	SF
DUNGAN #1 - OWB - OWB	11,682.2	7,051.6	501.9	253.5	2.021	CC, ES
DUNGAN #1 - OWB - OWB	11,700.0	7,051.6	502.3	253.6	2.020	SF
EASTMAN KODAK #1 - OWB - OWB	6,420.2	6,338.1	4,257.6	4,122.9	31.609	CC, ES
EASTMAN KODAK #1 - OWB - OWB	6,750.0	6,656.4	4,331.3	4,191.5	30.984	SF
ETTER #30-32 - OWB - OWB	16,166.6	7,053.7	1,134.2	975.1	7.131	CC, ES, SF
ETTER #30-33 - OWB - OWB	16,166.6	7,047.7	749.0	621.1	5.859	CC, ES, SF
Goetzel #12N-30A-M - OWB - OWB	16,166.6	15,710.0	885.3	460.1	2.082	CC, ES, SF
Goetzel #12N-30B-M - OWB - OWB	16,166.6	15,833.0	557.1	167.0	1.428	Collision Avoidance Req., C(
Goetzel #12N-30C-M - OWB - OWB	16,166.6	15,798.0	996.1	537.5	2.172	CC, ES, SF
Goetzel #13C-30-M - OWB - OWB	16,166.6	15,980.0	626.5	188.1	1.429	Collision Avoidance Req., C(
Goetzel #13N-30A-M - OWB - OWB	16,166.6	15,730.0	608.9	220.3	1.567	Collision Risk Procedures Re
Goetzel #13N-30C-M - OWB - OWB	16,166.6	15,843.0	346.5	83.1	1.315	Collision Avoidance Req., C(
Goetzel #32N-30B-M - OWB - OWB	16,166.6	15,797.0	1,201.7	738.8	2.596	CC, ES, SF
Goetzel #33C-30-M - OWB - OWB	16,166.6	15,917.0	414.4	86.4	1.263	Collision Avoidance Req., C(
Goetzel #33N-30B-M - OWB - OWB	16,166.6	15,752.0	350.3	128.7	1.581	Collision Risk Procedures Re
Goetzel #34C-30-M - OWB - OWB	16,166.6	15,705.0	1,249.7	836.1	3.022	CC, ES, SF
Goetzel #34N-30C-M - OWB - OWB	16,166.6	15,615.0	1,009.3	617.5	2.576	CC, ES, SF
Great Western #25-12-15 - OWB - OWB	11,055.1	7,179.4	1,506.3	1,372.5	11.253	CC
Great Western #25-12-15 - OWB - OWB	11,100.0	7,178.9	1,507.0	1,371.7	11.137	ES
Great Western #25-12-15 - OWB - OWB	11,400.0	7,175.7	1,545.3	1,402.9	10.855	SF
Great Western #25-22-13 - OWB - OWB	13,524.9	7,341.6	1,490.9	1,285.0	7.240	CC
Great Western #25-22-13 - OWB - OWB	13,600.0	7,338.3	1,492.8	1,284.8	7.176	ES
Great Western #25-22-13 - OWB - OWB	13,700.0	7,333.9	1,501.1	1,291.0	7.144	SF
Great Western #25-22-14 - OWB - OWB	12,357.3	7,070.7	1,548.7	1,382.0	9.291	CC
Great Western #25-22-14 - OWB - OWB	12,400.0	7,071.2	1,549.3	1,381.5	9.236	ES
Great Western #25-22-14 - OWB - OWB	12,600.0	7,073.3	1,567.6	1,396.5	9.159	SF
Great Western #25-22-18 - OWB - OWB	13,804.5	7,384.5	158.2	-59.4	0.727	No-Go Zone - Stop Drilling, (
Great Western #25-23 - OWB - OWB	12,916.5	7,171.2	996.6	816.8	5.544	CC, ES
Great Western #25-23 - OWB - OWB	13,000.0	7,173.5	1,000.0	817.7	5.484	SF
Great Western #25-24 - OWB - OWB	12,905.6	7,484.1	501.3	307.2	2.583	CC, ES, SF
Great Western #25-24-23 - OWB - OWB	13,580.0	7,741.9	1,149.7	928.4	5.193	CC
Great Western #25-24-23 - OWB - OWB	13,600.0	7,742.0	1,149.9	927.8	5.178	ES
Great Western #25-24-23 - OWB - OWB	13,700.0	7,742.4	1,156.0	931.2	5.143	SF
Great Western #25-24-24 - OWB - OWB	12,307.7	7,682.8	1,167.7	989.9	6.568	CC, ES
Great Western #25-24-24 - OWB - OWB	12,400.0	7,683.9	1,171.4	991.6	6.518	SF
Great Western #25-53 - OWB - OWB	12,292.1	7,233.2	120.1	-50.2	0.705	No-Go Zone - Stop Drilling, (
GREAT WESTERN #26-12 - OWB - OWB	6,683.6	6,853.6	2,206.3	2,153.9	42.134	CC, ES
GREAT WESTERN #26-12 - OWB - OWB	6,800.0	6,968.1	2,208.7	2,156.2	42.110	SF
GREAT WESTERN #26-13 - OWB - OWB	6,480.8	5,881.8	889.0	851.7	23.789	CC, ES
GREAT WESTERN #26-13 - OWB - OWB	6,550.0	5,949.7	891.3	853.8	23.746	SF

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

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #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
Kodak South Offsets						
GREAT WESTERN #26-14 - OWB - OWB	4,048.0	4,014.6	509.8	473.4	13.997	CC, ES
GREAT WESTERN #26-14 - OWB - OWB	6,400.0	6,439.4	600.9	551.8	12.227	SF
GREAT WESTERN #26-22 - OWB - OWB	7,745.6	7,075.9	2,017.1	1,865.8	13.335	CC
GREAT WESTERN #26-22 - OWB - OWB	7,800.0	7,075.9	2,017.8	1,865.4	13.238	ES
GREAT WESTERN #26-22 - OWB - OWB	8,300.0	7,075.6	2,091.9	1,928.3	12.789	SF
GREAT WESTERN #26-23 - OWB - OWB	2,593.3	2,494.5	810.1	788.5	37.423	CC
GREAT WESTERN #26-23 - OWB - OWB	2,600.0	2,501.1	810.1	788.4	37.371	ES
GREAT WESTERN #26-23 - OWB - OWB	8,000.0	7,116.2	898.8	840.7	15.461	SF
GREAT WESTERN #26-24 - OWB - OWB	1,310.5	1,278.8	161.6	152.0	16.900	CC
GREAT WESTERN #26-24 - OWB - OWB	1,400.0	1,367.6	162.0	151.8	15.936	ES
GREAT WESTERN #26-24 - OWB - OWB	7,400.0	7,043.3	329.2	293.5	9.206	SF
GREAT WESTERN #26-44 - OWB - OWB	10,420.9	7,197.6	509.3	397.9	4.572	CC, ES, SF
GREAT WESTERN #26-53 - OWB - OWB	6,946.9	6,824.1	387.4	354.6	11.827	CC
GREAT WESTERN #26-53 - OWB - OWB	6,950.0	6,826.4	387.4	354.6	11.807	ES
GREAT WESTERN #26-53 - OWB - OWB	7,100.0	6,926.9	405.3	369.5	11.336	SF
GREAT WESTERN #27-12 - OWB - OWB	2,122.0	1,368.8	5,278.6	5,259.4	275.161	CC, ES
GREAT WESTERN #27-12 - OWB - OWB	6,550.0	6,755.7	6,073.0	6,015.4	105.400	SF
GREAT WESTERN #27-13 - OWB - OWB	6,443.7	6,539.8	5,715.6	5,668.4	120.920	CC, ES
GREAT WESTERN #27-13 - OWB - OWB	6,500.0	6,582.4	5,717.9	5,670.6	120.827	SF
GREAT WESTERN #27-14 - OWB - OWB	6,418.7	6,327.5	5,667.2	5,625.3	135.480	CC, ES
GREAT WESTERN #27-14 - OWB - OWB	6,450.0	6,355.8	5,667.8	5,626.0	135.399	SF
GREAT WESTERN #27-22 - OWB - OWB	6,452.5	6,390.4	4,547.3	4,407.7	32.573	CC, ES
GREAT WESTERN #27-22 - OWB - OWB	6,800.0	6,720.5	4,623.3	4,478.5	31.933	SF
GREAT WESTERN #27-23 - OWB - OWB	6,509.3	7,121.9	4,497.2	4,435.2	72.527	CC, ES
GREAT WESTERN #27-23 - OWB - OWB	6,550.0	7,155.0	4,498.4	4,436.4	72.478	SF
GREAT WESTERN #27-24 - OWB - OWB	6,499.2	7,091.0	4,446.4	4,386.2	73.856	CC, ES, SF
GREAT WESTERN #27-32 - OWB - OWB	6,465.8	6,515.1	3,718.3	3,667.2	72.806	CC, ES
GREAT WESTERN #27-32 - OWB - OWB	6,500.0	6,552.0	3,718.9	3,667.8	72.700	SF
GREAT WESTERN #27-33 - OWB - OWB	2,495.7	2,096.4	2,654.5	2,619.7	76.183	CC
GREAT WESTERN #27-33 - OWB - OWB	2,500.0	2,099.4	2,654.5	2,619.7	76.142	ES
GREAT WESTERN #27-33 - OWB - OWB	6,500.0	6,539.9	3,141.2	3,078.6	50.189	SF
GREAT WESTERN #27-34 - OWB - OWB	1,967.7	1,570.9	2,737.1	2,718.0	143.626	CC
GREAT WESTERN #27-34 - OWB - OWB	2,100.0	1,679.3	2,737.5	2,717.7	138.245	ES
GREAT WESTERN #27-34 - OWB - OWB	6,450.0	6,554.4	3,014.2	2,960.7	56.368	SF
GREAT WESTERN #27-42 - OWB - OWB	6,490.3	6,422.0	2,754.4	2,614.6	19.704	CC
GREAT WESTERN #27-42 - OWB - OWB	6,500.0	6,431.6	2,754.5	2,614.5	19.678	ES
GREAT WESTERN #27-42 - OWB - OWB	6,800.0	6,714.5	2,798.9	2,654.3	19.355	SF
GREAT WESTERN #27-43 - OWB - OWB	6,451.5	6,404.4	1,938.8	1,891.4	40.926	CC, ES
GREAT WESTERN #27-43 - OWB - OWB	6,500.0	6,453.9	1,940.2	1,892.7	40.872	SF
GREAT WESTERN #27-44 - OWB - OWB	6,420.0	6,414.7	1,765.5	1,723.2	41.768	CC, ES
GREAT WESTERN #27-44 - OWB - OWB	6,450.0	6,444.9	1,766.1	1,723.8	41.730	SF
GREAT WESTERN #27-51 - OWB - OWB	6,493.9	6,429.6	3,620.1	3,480.3	25.896	CC
GREAT WESTERN #27-51 - OWB - OWB	6,500.0	6,435.6	3,620.1	3,480.2	25.874	ES
GREAT WESTERN #27-51 - OWB - OWB	6,850.0	6,761.0	3,676.6	3,531.4	25.320	SF
GREAT WESTERN #27-53 - OWB - OWB	6,432.7	6,494.8	5,012.8	4,962.4	99.538	CC, ES
GREAT WESTERN #27-53 - OWB - OWB	6,450.0	6,502.0	5,013.0	4,962.6	99.469	SF
GREAT WESTERN #27-54 - OWB - OWB	6,438.4	6,357.7	2,046.3	2,009.5	55.541	CC, ES
GREAT WESTERN #27-54 - OWB - OWB	6,450.0	6,369.3	2,046.4	2,009.6	55.500	SF
GREAT WESTERN #35-31 - OWB - OWB	9,176.2	7,294.1	1,790.5	1,707.2	21.480	CC
GREAT WESTERN #35-31 - OWB - OWB	9,200.0	7,294.0	1,790.7	1,706.8	21.351	ES
GREAT WESTERN #35-31 - OWB - OWB	9,700.0	7,292.8	1,865.6	1,773.1	20.163	SF
GREAT WESTERN #35-41 - OWB - OWB	10,427.8	7,378.1	1,798.3	1,676.3	14.730	CC
GREAT WESTERN #35-41 - OWB - OWB	10,500.0	7,378.7	1,799.8	1,675.9	14.533	ES

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

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #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
Kodak South Offsets						
GREAT WESTERN #35-41 - OWB - OWB	10,800.0	7,381.2	1,836.4	1,706.9	14.177	SF
GREAT WESTERN #35-52 - OWB - OWB	250.0	219.0	1,825.4	1,820.1	344.740	CC
GREAT WESTERN #35-52 - OWB - OWB	500.0	468.8	1,828.2	1,817.6	171.623	ES
GREAT WESTERN #35-52 - OWB - OWB	7,500.0	7,053.0	2,300.6	2,154.7	15.769	SF
Hall #25-33D - OWB - OWB	14,322.4	7,007.0	810.0	580.5	3.529	CC, ES
Hall #25-33D - OWB - OWB	14,400.0	7,001.2	813.7	582.5	3.520	SF
HALL #25-34 - OWB - OWB	14,525.6	7,038.8	470.0	257.2	2.209	CC, ES, SF
KODAK #10 - OWB - OWB	6,366.7	5,773.1	6,396.2	6,338.8	111.400	CC, ES
KODAK #10 - OWB - OWB	6,550.0	5,950.1	6,418.3	6,360.0	110.067	SF
KODAK #11 - OWB - OWB	6,405.4	5,983.0	6,310.9	6,255.9	114.601	CC, ES
KODAK #11 - OWB - OWB	6,600.0	6,330.5	6,332.7	6,272.2	104.765	SF
KODAK #12 - OWB - OWB	6,385.5	5,888.0	6,342.9	6,293.8	129.351	CC, ES
KODAK #12 - OWB - OWB	6,550.0	5,983.0	6,361.7	6,312.1	128.261	SF
KODAK #13 - OWB - OWB	6,352.1	5,666.8	6,278.0	6,225.4	119.439	CC, ES
KODAK #13 - OWB - OWB	6,550.0	5,899.8	6,303.7	6,249.8	116.986	SF
KODAK #34-11 - OWB - OWB	6,367.5	6,284.6	2,562.5	2,434.9	20.071	CC
KODAK #34-11 - OWB - OWB	6,400.0	6,317.0	2,563.0	2,434.7	19.977	ES
KODAK #34-11 - OWB - OWB	6,700.0	6,609.8	2,612.4	2,478.9	19.570	SF
KODAK #34-12 - OWB - OWB	6,391.0	6,307.1	3,348.3	3,218.7	25.835	CC
KODAK #34-12 - OWB - OWB	6,400.0	6,316.0	3,348.3	3,218.6	25.802	ES
KODAK #34-12 - OWB - OWB	6,750.0	6,654.4	3,420.2	3,284.7	25.237	SF
KODAK #34-15 - OWB - OWB	6,373.4	6,288.6	3,600.5	3,472.5	28.134	CC
KODAK #34-15 - OWB - OWB	6,400.0	6,315.0	3,600.8	3,472.3	28.026	ES
KODAK #34-15 - OWB - OWB	6,800.0	6,697.5	3,686.3	3,551.2	27.284	SF
KODAK #34-21 - OWB - OWB	6,406.1	6,325.1	4,848.4	4,716.5	36.740	CC, ES
KODAK #34-21 - OWB - OWB	6,800.0	6,701.5	4,945.6	4,807.4	35.806	SF
KODAK #34-22 - OWB - OWB	6,414.4	6,337.3	5,806.7	5,673.1	43.455	CC, ES
KODAK #34-22 - OWB - OWB	6,850.0	6,748.0	5,930.7	5,790.5	42.308	SF
KODAK #34-25 - OWB - OWB	6,403.0	6,321.0	5,876.4	5,745.0	44.720	CC, ES
KODAK #34-25 - OWB - OWB	6,850.0	6,743.0	5,997.9	5,859.6	43.368	SF
KODAK #35-21 - OWB - OWB	250.0	218.0	1,456.8	1,451.5	276.041	CC
KODAK #35-21 - OWB - OWB	400.0	368.0	1,458.7	1,450.1	170.122	ES
KODAK #35-21 - OWB - OWB	8,100.0	7,053.7	1,966.1	1,810.4	12.627	SF
KODAK #35-22 - OWB - OWB	3,315.5	3,259.8	1,997.5	1,930.7	29.891	CC
KODAK #35-22 - OWB - OWB	5,400.0	5,323.7	2,018.8	1,910.3	18.610	ES
KODAK #35-22 - OWB - OWB	6,750.0	6,652.4	2,092.5	1,957.8	15.533	SF
KODAK #9 - OWB - OWB	3,684.4	2,748.6	6,615.6	6,586.5	227.030	CC
KODAK #9 - OWB - OWB	6,394.3	5,757.6	6,631.0	6,573.6	115.507	ES
KODAK #9 - OWB - OWB	6,500.0	5,817.0	6,641.7	6,583.8	114.757	SF
Kodak North FD 25-040HC - OWB - OWB	3,211.9	3,082.3	2,202.7	2,185.6	129.215	CC, ES
Kodak North FD 25-040HC - OWB - OWB	16,166.6	16,153.0	3,695.0	3,213.4	7.673	SF
Kodak North FD 25-040HN - OWB - OWB	3,192.6	3,060.0	2,216.9	2,199.9	130.330	CC
Kodak North FD 25-040HN - OWB - OWB	3,200.0	3,060.0	2,216.9	2,199.9	130.176	ES
Kodak North FD 25-040HN - OWB - OWB	16,166.6	16,040.0	3,955.3	3,474.8	8.232	SF
Kodak North FD 25-080HN - OWB\ - OWB	4,282.4	4,168.0	2,177.8	2,157.6	107.603	CC
Kodak North FD 25-080HN - OWB\ - OWB	4,300.0	4,176.5	2,177.9	2,157.5	107.139	ES
Kodak North FD 25-080HN - OWB\ - OWB	16,166.6	16,121.6	3,186.7	2,702.2	6.577	SF
Kodak North FD 25-121HN - OWB - OWB	4,931.3	4,837.9	2,046.9	2,024.8	92.665	CC, ES
Kodak North FD 25-121HN - OWB - OWB	16,166.6	15,853.3	2,545.1	2,061.5	5.262	SF
Kodak North FD 25-161HN - OWB - OWB	7,152.6	6,784.8	1,875.1	1,836.9	48.982	CC
Kodak North FD 25-161HN - OWB - OWB	16,166.6	15,814.4	1,949.6	1,466.0	4.031	ES, SF
Kodak North FD 28-119HN - OWB - OWB	5,083.2	4,996.0	2,188.2	2,165.0	94.508	CC, ES
Kodak North FD 28-119HN - OWB - OWB	9,500.0	6,341.0	2,838.2	2,763.4	37.950	SF

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #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
Kodak South Offsets						
Kodak North FD 28-122HC - OWB - OWB	5,145.1	5,050.7	2,074.9	2,052.3	91.708	CC, ES
Kodak North FD 28-122HC - OWB - OWB	9,300.0	6,638.0	2,516.5	2,441.2	33.438	SF
Kodak North FD 28-162HC - OWB - OWB	7,350.0	7,882.0	1,793.3	1,741.3	34.498	ES
Kodak North FD 28-162HC - OWB - OWB	7,351.1	7,866.0	1,793.2	1,741.5	34.722	CC
Kodak North FD 28-162HC - OWB - OWB	8,900.0	6,837.2	1,978.5	1,908.4	28.227	SF
Kodak North FD 28-162HC - ST01 - ST01	7,350.0	7,882.0	1,793.3	1,741.4	34.587	ES
Kodak North FD 28-162HC - ST01 - ST01	7,351.1	7,866.0	1,793.2	1,741.7	34.812	CC
Kodak North FD 28-162HC - ST01 - ST01	8,900.0	6,837.2	1,978.5	1,908.4	28.227	SF
Kodak North FD 28-162HN - OWB - OWB	7,200.0	7,787.0	1,966.2	1,914.6	38.134	ES
Kodak North FD 28-162HN - OWB - OWB	7,227.0	7,767.0	1,966.1	1,914.7	38.311	CC
Kodak North FD 28-162HN - OWB - OWB	9,100.0	6,713.0	2,232.6	2,160.9	31.167	SF
Kodak North FD 28-199HN - OWB - OWB	7,631.0	7,427.0	1,479.7	1,431.6	30.748	CC
Kodak North FD 28-199HN - OWB - OWB	7,700.0	7,397.0	1,480.4	1,431.3	30.130	ES
Kodak North FD 28-199HN - OWB - OWB	8,800.0	6,980.0	1,740.0	1,669.4	24.650	SF
LONG #1 - OWB - OWB	14,327.6	4,274.0	2,823.4	2,732.2	30.964	CC
LONG #1 - OWB - OWB	14,400.0	4,274.0	2,824.3	2,732.0	30.618	ES
LONG #1 - OWB - OWB	15,800.0	4,274.0	3,184.2	3,063.5	26.383	SF
LONG #3 - OWB - OWB	13,022.9	7,057.8	806.6	522.3	2.838	CC, ES
LONG #3 - OWB - OWB	13,100.0	7,057.8	810.2	524.2	2.832	SF
MERLIN #29E-10-1C - OWB - OWB	6,485.5	12,600.0	11,465.9	11,396.8	165.852	CC, ES
MERLIN #29E-10-1C - OWB - OWB	6,500.0	12,600.0	11,466.1	11,397.0	165.835	SF
MERLIN #29E-10-3C - OWB - OWB	6,480.4	12,237.0	11,632.7	11,572.6	193.452	CC, ES
MERLIN #29E-10-3C - OWB - OWB	6,500.0	12,237.0	11,633.0	11,572.9	193.441	SF
MERLIN #29E-10-5N - OWB - OWB	6,471.7	12,210.0	11,564.1	11,507.2	203.412	CC, ES
MERLIN #29E-10-5N - OWB - OWB	6,500.0	12,210.0	11,564.6	11,507.8	203.412	SF
MERSHON #26-33 - OWB - OWB	9,037.4	7,217.5	796.2	711.6	9.411	CC, ES
MERSHON #26-33 - OWB - OWB	9,200.0	7,212.6	812.6	723.0	9.069	SF
MERSHON #26-43 - OWB - OWB	10,375.5	7,263.4	874.0	750.1	7.056	CC
MERSHON #26-43 - OWB - OWB	10,400.0	7,263.3	874.3	749.8	7.020	ES
MERSHON #26-43 - OWB - OWB	10,500.0	7,262.8	882.8	756.2	6.976	SF
MERSHON #26-54 - OWB - OWB	9,855.3	7,132.4	313.5	213.7	3.141	CC, ES, SF
PAVISTMA #12 - OWB - OWB	6,465.8	17,039.0	7,303.0	7,190.8	65.096	CC, ES
PAVISTMA #12 - OWB - OWB	6,500.0	17,039.0	7,303.8	7,191.6	65.095	SF
POUDRE #10-28 - OWB - OWB	6,428.6	6,499.8	8,315.1	8,261.0	153.552	CC, ES
POUDRE #10-28 - OWB - OWB	6,450.0	6,531.8	8,315.4	8,261.3	153.513	SF
POUDRE #11-28 - OWB - OWB	6,430.0	6,415.8	9,566.6	9,519.5	203.343	CC, ES
POUDRE #11-28 - OWB - OWB	6,500.0	6,485.0	9,569.9	9,522.8	202.991	SF
POUDRE #14-28 - OWB - OWB	6,418.9	6,269.7	9,530.2	9,490.7	241.231	CC, ES
POUDRE #14-28 - OWB - OWB	6,550.0	6,499.0	9,541.8	9,502.1	239.976	SF
POUDRE #15-28 - OWN - OWN	6,425.8	6,453.4	8,278.5	8,224.8	154.143	CC, ES
POUDRE #15-28 - OWN - OWN	6,950.0	7,396.2	8,454.1	8,399.2	153.944	SF
POUDRE #19-28 - OWB - OWB	1,755.3	507.0	10,034.6	10,022.8	844.700	CC
POUDRE #19-28 - OWB - OWB	1,800.0	507.0	10,034.7	10,022.7	833.232	ES
POUDRE #19-28 - OWB - OWB	6,450.0	6,454.3	10,171.5	10,119.5	195.471	SF
POUDRE #23-28 - OWB - OWB	6,430.8	6,417.2	8,964.5	8,922.9	215.454	CC, ES
POUDRE #23-28 - OWB - OWB	6,500.0	6,469.0	8,967.9	8,926.2	215.190	SF
POUDRE #25-28 - OWB - OWB	6,433.2	6,571.4	9,074.5	9,018.6	162.488	CC, ES
POUDRE #25-28 - OWB - OWB	6,450.0	6,595.8	9,074.7	9,018.8	162.382	SF
POUDRE #36-28 - OWB - OWB	6,415.8	6,375.4	8,872.8	8,827.1	194.026	CC, ES
POUDRE #36-28 - OWB - OWB	6,450.0	6,394.7	8,873.6	8,827.9	193.874	SF
RAINDANCE #2 - OWB - OWB	6,469.6	17,000.0	6,975.6	6,879.9	72.962	CC, ES
RAINDANCE #2 - OWB - OWB	6,500.0	17,000.0	6,976.2	6,880.6	72.950	SF
Raindance #29E-10-1C - OWB - OWB	6,450.0	11,958.0	12,027.7	11,969.6	206.989	SF

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

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #2	**Offset TVD Reference:**	Offset Datum

Summary

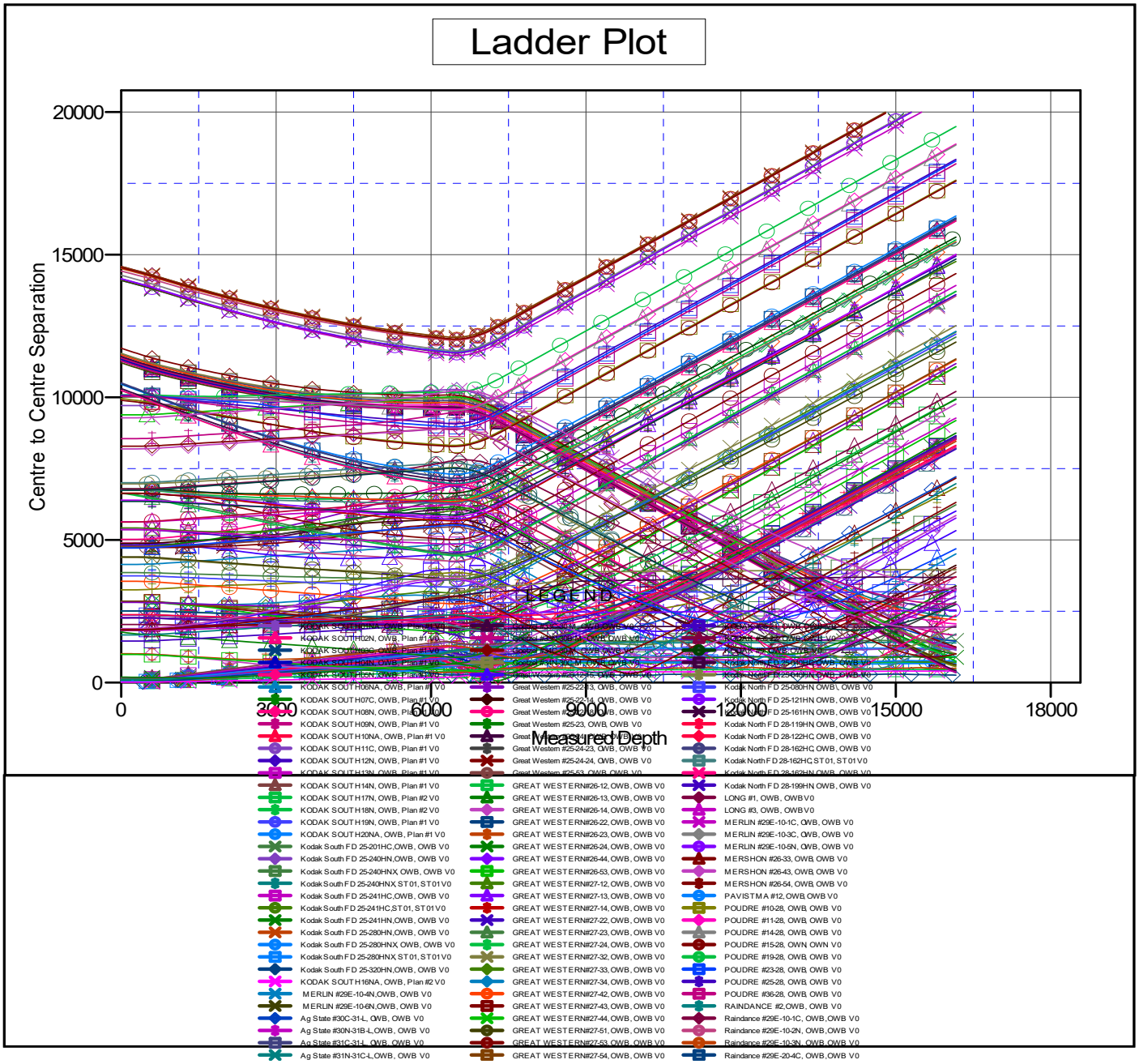
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Kodak South Offsets						
Raindance #29E-10-1C - OWB - OWB	6,473.3	11,958.0	12,027.3	11,969.3	207.140	CC, ES
Raindance #29E-10-2N - OWB - OWB	6,400.0	11,670.0	12,005.1	11,948.2	211.133	SF
Raindance #29E-10-2N - OWB - OWB	6,455.5	11,670.0	12,002.8	11,946.0	211.206	CC, ES
Raindance #29E-10-3N - OWB - OWB	6,450.0	11,775.0	12,029.8	11,971.7	207.279	SF
Raindance #29E-10-3N - OWB - OWB	6,463.6	11,775.0	12,029.6	11,971.6	207.385	CC, ES
Raindance #29E-20-4C - OWB - OWB	6,484.6	17,112.0	7,162.8	7,045.6	61.075	CC, ES
Raindance #29E-20-4C - OWB - OWB	6,500.0	17,112.0	7,163.0	7,045.7	61.067	SF
RAINDANCE #3 - OWB - OWB	6,450.0	12,022.0	12,102.4	12,042.3	201.185	SF
RAINDANCE #3 - OWB - OWB	6,464.5	12,022.0	12,102.3	12,042.1	201.197	CC, ES
RAINDANCE #4 - OWB - OWB	6,468.0	17,000.0	7,073.7	6,964.0	64.464	CC, ES
RAINDANCE #4 - OWB - OWB	6,500.0	17,000.0	7,074.5	6,964.7	64.448	SF
RAINDANCE #5 - OWB - OWB	6,490.1	17,030.0	7,162.7	7,037.8	57.345	CC, ES
RAINDANCE #5 - OWB - OWB	6,500.0	17,030.0	7,162.8	7,037.9	57.339	SF
RAINDANCE #7 - OWB - OWB	6,473.7	17,060.0	6,925.5	6,849.0	90.455	CC, ES, SF
RAINDANCE #8 - OWB - OWB	6,450.0	12,150.0	12,042.2	11,993.9	249.330	SF
RAINDANCE #8 - OWB - OWB	6,467.1	12,150.0	12,042.0	11,993.7	249.346	CC, ES
SLOAN #3 - OWB - OWB	15,706.6	7,054.3	899.5	543.5	2.526	CC, ES, SF
STATE #6-36 - OWB - OWB	14,142.0	7,029.2	1,839.7	1,526.0	5.864	CC
STATE #6-36 - OWB - OWB	14,200.0	7,029.1	1,840.6	1,525.6	5.843	ES
STATE #6-36 - OWB - OWB	14,300.0	7,029.1	1,846.4	1,529.6	5.828	SF
STATE #8-36 - OWB - OWB	11,971.1	7,038.4	2,097.7	1,841.8	8.198	CC
STATE #8-36 - OWB - OWB	12,000.0	7,038.4	2,097.9	1,841.3	8.177	ES
STATE #8-36 - OWB - OWB	12,200.0	7,038.3	2,110.1	1,849.5	8.097	SF
STATE M #36-1 - OWB - OWB	15,556.0	7,033.0	1,907.1	1,661.7	7.772	CC
STATE M #36-1 - OWB - OWB	15,600.0	7,031.9	1,907.6	1,661.1	7.740	ES
STATE M #36-1 - OWB - OWB	15,800.0	7,027.1	1,922.6	1,672.8	7.694	SF
STATE M #36-3 - OWB - OWB	12,999.8	7,035.3	1,941.3	1,766.3	11.096	CC
STATE M #36-3 - OWB - OWB	13,000.0	7,035.3	1,941.3	1,766.3	11.096	ES
STATE M #36-3 - OWB - OWB	13,300.0	7,035.1	1,964.3	1,784.2	10.906	SF
TURNER #1-25 - OWB - OWB	16,090.8	4,353.0	2,749.5	2,638.0	24.644	CC
TURNER #1-25 - OWB - OWB	16,100.0	4,353.0	2,749.5	2,637.8	24.616	ES
TURNER #1-25 - OWB - OWB	16,166.6	4,353.0	2,750.6	2,637.9	24.407	SF
TURNER #1-31 - OWB - OWB	16,166.6	4,352.0	3,258.3	3,069.1	17.219	CC, ES, SF
WARDE #1-26 - OWB - OWB	9,202.7	7,056.0	340.7	156.9	1.854	Collision Risk Procedures Re

PDC Energy Inc.

Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 4771.0usft	Coordinates are relative to: KODAK SOUTH 15C
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W	Grid Convergence at Surface is: 0.41°



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

PDC Energy Inc.

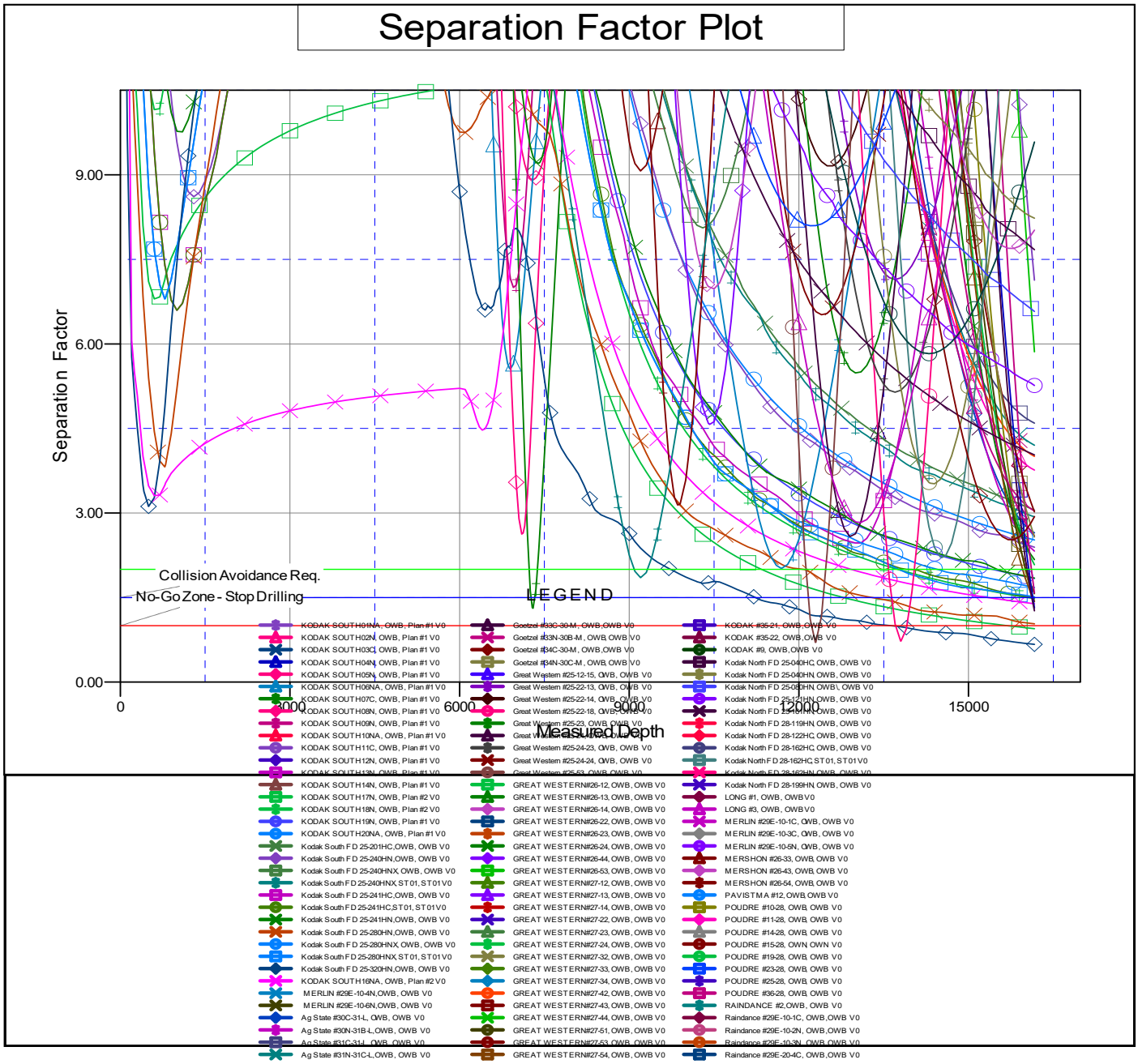
Anticollision Summary Report

Company:	PDC - PLANNING DB	**Local Co-ordinate Reference:**	Well KODAK SOUTH 15C
Project:	WELD COUNTY	**TVD Reference:**	KB @ 4771.0usft
Reference Site:	Kodak South	**MD Reference:**	KB @ 4771.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	KODAK SOUTH 15C	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDM 5000.15 Single User Db
Reference Design:	Plan #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 4771.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: KODAK SOUTH 15C
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.41°

Separation Factor Plot



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