



WELL DETAILS: EDMUNDSON 22N

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1218055.19	3193385.24	39.929878	-104.810419

Project: WELD COUNTY
Site: Edmundson Pad
Well: EDMUNDSON 22N
Wellbore: OWB
Design: PLAN #1
Lat: 39.929878
Long: -104.810419
GL: 5052.0
KB: KB 25 @ 5077.0usft



Azimuths to Grid North
True North: -0.45°
Magnetic North: 9.48°

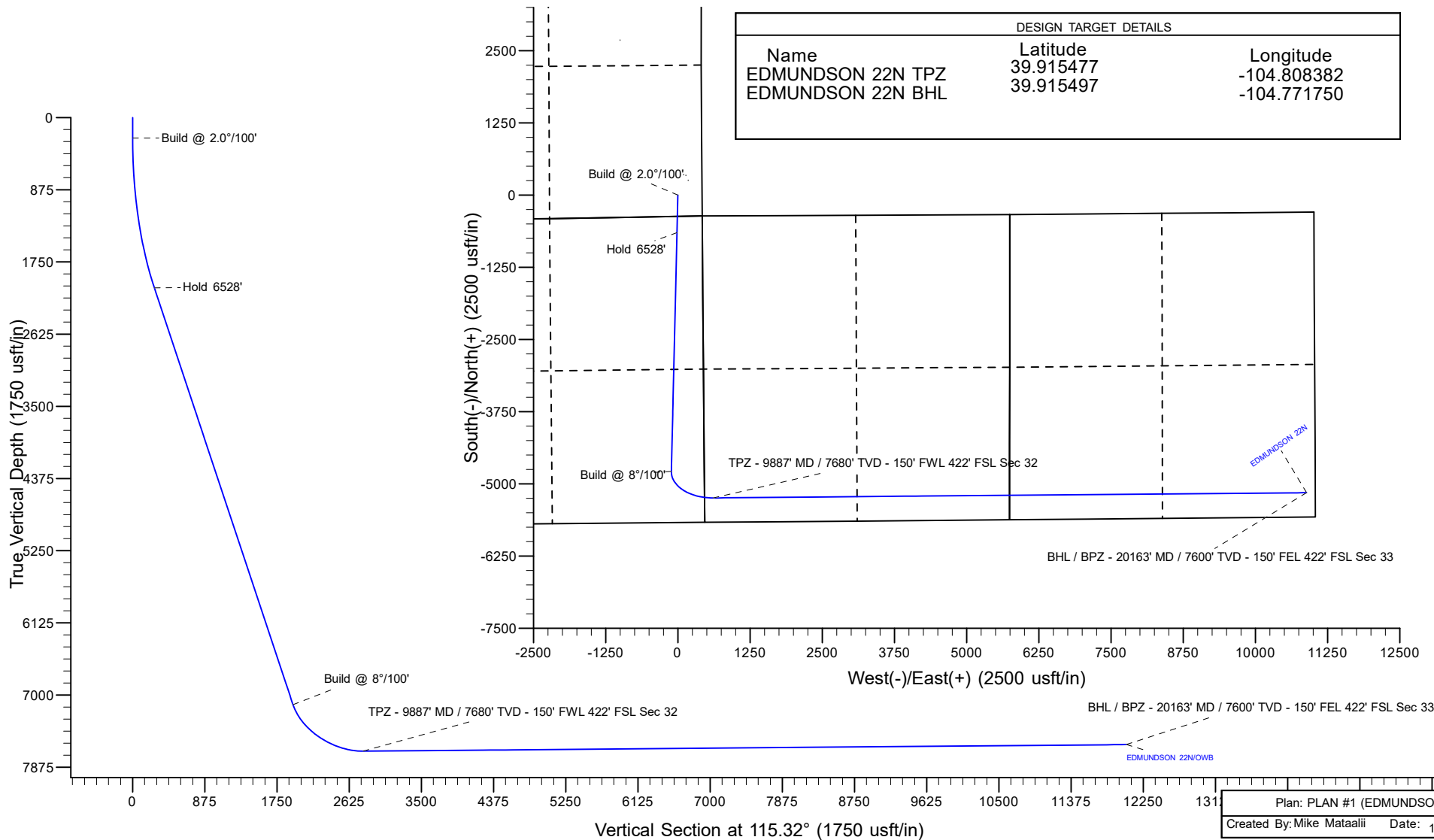
Magnetic Field
Strength: 53708.9nT
Dip Angle: 66.97°
Date: 12/31/2004
Model: IGRF2000

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 @ 2.0°/100'
2215.1	39.30	181.34	2064.6	-647.8	-15.2	2.00	181.34	263.3	Hold 6528'
8744.0	39.30	181.34	7116.7	-4782.1	-112.3	0.00	0.00	1943.9	Build @ 8°/100'
9887.9	90.45	89.50	7680.0	-5241.4	612.1	8.00	-91.15	2795.1	TPZ - 9887' MD / 7680' TVD - 150' FWL 422' FSL Sec 32
20163.5	90.45	89.50	7600.0	-5151.6	10887.0	0.00	0.00	12044.3	BHL / BPZ - 20163' MD / 7600' TVD - 150' FEL 422' FSL Sec 33

DESIGN TARGET DETAILS

Name	Latitude	Longitude
EDMUNDSON 22N TPZ	39.915477	-104.808382
EDMUNDSON 22N BHL	39.915497	-104.771750



PDC Energy Inc.
Anticollision Summary Report

Company:	PDC - PLANNING DB	Local Co-ordinate Reference:	Well EDMUNDSON 22N
Project:	WELD COUNTY	TVD Reference:	KB 25 @ 5077.0usft
Reference Site:	Edmundson Pad	MD Reference:	KB 25 @ 5077.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	Offset Datum

Reference	PLAN #1		
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 2,500.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	3/14/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	20,163.5	PLAN #1 (OWB)	MWD	OWSG 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						
Edmundson Offsets						
CUTLER 1-A - OWB - OWB						Out of range
CUTLER 1D - OWB - OWB						Out of range
EDMUNDSON LE 33-082HC - OWB - OWB	0.0	2.0	75.8			
EDMUNDSON LE 33-082HC - OWB - OWB	300.0	301.5	76.4	73.1	23.367	ES
EDMUNDSON LE 33-082HC - OWB - OWB	800.0	796.4	97.4	89.8	12.689	SF
ERGER 1 - OWB - OWB	12,900.0	7,684.5	363.4	114.6	1.461	Collision Avoidance Req., ES
ERGER 1 - OWB - OWB	12,955.3	7,684.1	359.2	116.1	1.478	Collision Avoidance Req., CC
ERNEST H KALLSEN 2 - OWB - OWB	11,691.8	7,704.0	1,100.5	885.9	5.128	CC
ERNEST H KALLSEN 2 - OWB - OWB	11,800.0	7,703.1	1,105.8	884.4	4.996	ES
ERNEST H KALLSEN 2 - OWB - OWB	12,000.0	7,701.6	1,142.8	909.7	4.903	SF
ERNST H KALLSEN 1 - OWB - OWB	11,691.8	7,702.0	1,100.5	885.9	5.128	CC
ERNST H KALLSEN 1 - OWB - OWB	11,800.0	7,701.1	1,105.8	884.5	4.996	ES
ERNST H KALLSEN 1 - OWB - OWB	12,000.0	7,699.6	1,142.8	909.8	4.903	SF
EVERETTE DAHLINGER A1 - OWB - OWB	15,635.1	7,720.3	2,353.0	2,042.4	7.574	CC
EVERETTE DAHLINGER A1 - OWB - OWB	15,700.0	7,719.8	2,353.9	2,040.2	7.502	ES
EVERETTE DAHLINGER A1 - OWB - OWB	16,200.0	7,715.9	2,419.9	2,086.5	7.258	SF
FARNER 1 - OWB - OWB	14,100.0	7,665.2	1,542.0	1,389.5	10.110	SF
FARNER 1 - OWB - OWB	14,200.0	7,664.4	1,538.4	1,386.6	10.134	ES
FARNER 1 - OWB - OWB	14,204.5	7,664.4	1,538.4	1,386.7	10.137	CC
FREEMAN 1 - OWB - OWB	7,049.3	5,826.4	139.3	-28.4	0.831	No-Go Zone - Stop Drilling, (
FREEMAN 1-A - OWB - OWB	7,049.3	5,820.4	139.3	-28.3	0.831	No-Go Zone - Stop Drilling, (
GREEN 1 - OWB - OWB						Out of range
IKE 1 - OWB - OWB						Out of range
KIMMEL 12-33 - OWB - OWB						Out of range
OHD 1 - OWB - OWB	9,419.3	7,614.9	1,691.5	1,498.2	8.751	CC
OHD 1 - OWB - OWB	9,450.0	7,628.8	1,692.2	1,497.6	8.697	ES
OHD 1 - OWB - OWB	9,650.0	7,697.5	1,731.0	1,527.9	8.523	SF
PC 1S-66-2928 - OWB - OWB	288.3	324.2	2,255.6	2,252.4	689.615	CC
PC 1S-66-2928 - OWB - OWB	300.0	333.9	2,255.7	2,252.4	681.293	ES
PC 1S-66-2928 - OWB - OWB	1,600.0	1,582.3	2,475.6	2,463.4	203.062	SF
PC 1S-66-2928 14CDH - OWB - OWB	0.0	17.0	2,222.8			
PC 1S-66-2928 14CDH - OWB - OWB	200.0	198.6	2,223.8	2,221.2	860.791	ES
PC 1S-66-2928 14CDH - OWB - OWB	2,100.0	2,512.5	2,468.6	2,447.4	116.664	SF
PC 1S-66-2928 17NH - OWB - OWB	0.0	17.0	2,202.4			
PC 1S-66-2928 17NH - OWB - OWB	281.0	313.2	2,204.0	2,201.1	752.337	ES
PC 1S-66-2928 17NH - OWB - OWB	2,700.0	3,114.0	2,481.5	2,451.6	82.818	SF
PC 1S-66-2928 17NH - ST01 - ST01	0.0	17.0	2,202.4			

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

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Project:	WELD COUNTY	TVD Reference:	KB 25 @ 5077.0usft
Reference Site:	Edmundson Pad	MD Reference:	KB 25 @ 5077.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	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						
Edmundson Offsets						
PC 1S-66-2928 17NH - ST01 - ST01	281.0	313.2	2,204.0	2,201.1	752.337	ES
PC 1S-66-2928 17NH - ST01 - ST01	2,700.0	3,114.0	2,481.5	2,451.6	82.818	SF
PC 1S-66-2928 19NH - OWB - OWB	1,654.2	2,399.0	2,024.9	2,004.6	99.717	CC, ES
PC 1S-66-2928 19NH - OWB - OWB	3,600.0	4,023.0	2,498.5	2,454.6	56.856	SF
PC 1S-66-2928 20CDH - OWB - OWB	1,729.4	2,470.8	1,955.6	1,932.7	85.543	CC, ES
PC 1S-66-2928 20CDH - OWB - OWB	4,100.0	4,492.0	2,479.1	2,427.6	48.111	SF
PC 1S-66-2928 9NH - OWB - OWB	0.0	15.0	2,035.5			
PC 1S-66-2928 9NH - OWB - OWB	200.0	201.5	2,036.5	2,033.9	785.446	ES
PC 1S-66-2928 9NH - OWB - OWB	2,100.0	1,841.0	2,478.8	2,461.0	139.379	SF
POLLARD 1 - OWB - OWB						Out of range
PRAIRIE LE 31-369HC - OWB - OWB	8,960.3	18,971.8	1,868.5	1,611.3	7.263	CC
PRAIRIE LE 31-369HC - OWB - OWB	9,000.0	18,978.0	1,870.0	1,610.3	7.201	ES
PRAIRIE LE 31-369HC - OWB - OWB	9,150.0	19,045.8	1,900.1	1,632.9	7.113	SF
REASONER 1 - OWB - OWB	10,900.0	7,714.1	569.8	360.9	2.727	SF
REASONER 1 - OWB - OWB	11,000.0	7,713.3	554.9	351.5	2.727	ES
REASONER 1 - OWB - OWB	11,033.8	7,713.1	553.9	352.2	2.747	CC
REASONER 1-A - OWB - OWB	11,600.0	7,715.7	1,543.9	1,328.0	7.153	SF
REASONER 1-A - OWB - OWB	11,700.0	7,714.9	1,540.5	1,325.4	7.163	ES
REASONER 1-A - OWB - OWB	11,702.2	7,714.9	1,540.5	1,325.4	7.164	CC
REASONER 1A-X - OWB - OWB	10,900.0	7,722.1	569.8	360.7	2.725	SF
REASONER 1A-X - OWB - OWB	11,000.0	7,721.3	554.9	351.3	2.726	ES
REASONER 1A-X - OWB - OWB	11,033.8	7,721.1	553.9	352.1	2.745	CC
SUPERS 1 - OWB - OWB	4,851.7	4,114.8	1,136.0	1,022.6	10.016	CC
SUPERS 1 - OWB - OWB	4,900.0	4,152.2	1,136.4	1,021.8	9.916	ES
SUPERS 1 - OWB - OWB	5,400.0	4,539.1	1,187.9	1,062.3	9.461	SF

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Company:	PDC - PLANNING DB	Local Co-ordinate Reference:	Well EDMUNDSON 22N
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Reference Site:	Edmundson Pad	MD Reference:	KB 25 @ 5077.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	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						
Edmundson Pad						
EDMUNDSON 01N - OWB - PLAN #1	704.9	714.0	126.6	119.2	17.138	CC, ES
EDMUNDSON 01N - OWB - PLAN #1	1,200.0	1,201.9	166.6	153.1	12.327	SF
EDMUNDSON 02N - OWB - PLAN #1	765.3	775.2	114.6	106.2	13.643	CC
EDMUNDSON 02N - OWB - PLAN #1	800.0	809.9	114.7	106.0	13.084	ES
EDMUNDSON 02N - OWB - PLAN #1	1,200.0	1,205.1	144.4	130.3	10.290	SF
EDMUNDSON 03N - OWB - PLAN #1	817.3	828.0	103.2	94.4	11.767	CC
EDMUNDSON 03N - OWB - PLAN #1	900.0	910.5	104.0	94.3	10.700	ES
EDMUNDSON 03N - OWB - PLAN #1	1,200.0	1,207.5	125.6	111.7	9.044	SF
EDMUNDSON 04NA - OWB - PLAN #1	893.0	904.9	91.7	81.9	9.336	CC
EDMUNDSON 04NA - OWB - PLAN #1	900.0	911.9	91.7	81.8	9.261	ES
EDMUNDSON 04NA - OWB - PLAN #1	1,200.0	1,210.2	105.8	91.7	7.527	SF
EDMUNDSON 05N - OWB - PLAN #1	1,023.0	1,037.0	80.7	69.2	7.005	CC
EDMUNDSON 05N - OWB - PLAN #1	1,100.0	1,113.9	81.5	69.0	6.520	ES
EDMUNDSON 05N - OWB - PLAN #1	1,300.0	1,312.9	92.1	76.6	5.942	SF
EDMUNDSON 06N - OWB - PLAN #1	1,075.7	1,090.5	71.2	58.3	5.522	CC
EDMUNDSON 06N - OWB - PLAN #1	1,100.0	1,114.8	71.3	58.1	5.401	ES
EDMUNDSON 06N - OWB - PLAN #1	1,300.0	1,314.2	78.8	62.7	4.906	SF
EDMUNDSON 07NA - OWB - PLAN #1	1,166.9	1,183.1	62.2	47.7	4.296	CC
EDMUNDSON 07NA - OWB - PLAN #1	1,200.0	1,216.2	62.4	47.5	4.190	ES
EDMUNDSON 07NA - OWB - PLAN #1	1,300.0	1,316.1	64.9	48.7	3.998	SF
EDMUNDSON 08C - OWB - PLAN #1	1,184.0	1,200.4	55.7	40.3	3.617	CC
EDMUNDSON 08C - OWB - PLAN #1	1,200.0	1,216.4	55.8	40.2	3.577	ES
EDMUNDSON 08C - OWB - PLAN #1	1,300.0	1,316.3	57.9	41.1	3.443	SF
EDMUNDSON 09N - OWB - PLAN #1	1,285.3	1,303.2	49.9	32.5	2.862	CC
EDMUNDSON 09N - OWB - PLAN #1	1,300.0	1,317.9	50.0	32.4	2.838	ES
EDMUNDSON 09N - OWB - PLAN #1	1,400.0	1,417.9	52.2	33.5	2.787	SF
EDMUNDSON 10N - OWB - PLAN #1	1,343.0	1,361.7	47.0	28.3	2.523	CC, ES
EDMUNDSON 10N - OWB - PLAN #1	1,400.0	1,418.8	47.5	28.3	2.478	SF
EDMUNDSON 11NA - OWB - PLAN #1	1,452.6	1,473.0	46.4	26.6	2.352	CC
EDMUNDSON 11NA - OWB - PLAN #1	1,500.0	1,520.4	46.7	26.6	2.318	ES, SF
EDMUNDSON 12C - OWB - PLAN #1	1,467.4	1,487.9	48.8	29.6	2.543	CC
EDMUNDSON 12C - OWB - PLAN #1	1,500.0	1,520.5	49.0	29.5	2.511	ES
EDMUNDSON 12C - OWB - PLAN #1	1,600.0	1,620.5	51.6	31.1	2.510	SF
EDMUNDSON 13N - OWB - PLAN #1	1,915.7	1,919.2	100.3	80.8	5.155	CC
EDMUNDSON 13N - OWB - PLAN #1	2,000.0	2,002.8	101.2	80.0	4.779	ES
EDMUNDSON 13N - OWB - PLAN #1	20,163.5	19,042.8	1,903.1	1,318.5	3.255	SF
EDMUNDSON 14N - OWB - PLAN #1	1,951.9	1,955.0	90.2	70.1	4.493	CC
EDMUNDSON 14N - OWB - PLAN #1	2,000.0	2,002.7	90.4	69.4	4.299	ES
EDMUNDSON 14N - OWB - PLAN #1	20,163.5	19,226.6	1,690.6	1,104.5	2.885	SF
EDMUNDSON 15NA - OWB - PLAN #1	2,048.5	2,051.1	78.9	57.0	3.611	CC
EDMUNDSON 15NA - OWB - PLAN #1	2,100.0	2,102.3	79.2	56.3	3.455	ES
EDMUNDSON 15NA - OWB - PLAN #1	20,163.5	19,147.3	1,494.0	917.1	2.590	SF
EDMUNDSON 16C - OWB - PLAN #1	2,021.6	2,023.7	70.6	49.3	3.313	CC
EDMUNDSON 16C - OWB - PLAN #1	2,100.0	2,101.6	71.3	48.3	3.104	ES
EDMUNDSON 16C - OWB - PLAN #1	20,163.5	19,562.7	1,276.7	689.4	2.174	SF
EDMUNDSON 17N - OWB - PLAN #1	2,097.7	2,099.0	49.3	26.5	2.163	CC
EDMUNDSON 17N - OWB - PLAN #1	2,200.0	2,200.9	50.5	25.4	2.013	ES
EDMUNDSON 17N - OWB - PLAN #1	20,163.5	19,465.0	1,058.6	474.6	1.813	Collision Risk Procedures Required
EDMUNDSON 18N - OWB - PLAN #1	2,120.4	2,121.4	39.4	16.2	1.697	Collision Risk Procedures Required
EDMUNDSON 18N - OWB - PLAN #1	2,215.1	2,215.8	40.4	15.0	1.592	Collision Risk Procedures Required
EDMUNDSON 18N - OWB - PLAN #1	20,163.5	19,658.6	845.3	258.3	1.440	Collision Avoidance Required, SF
EDMUNDSON 19NA - OWB - PLAN #1	2,209.0	2,209.8	29.1	4.1	1.163	Collision Avoidance Required, CC
EDMUNDSON 19NA - OWB - PLAN #1	2,400.0	2,400.4	30.9	1.8	1.063	Collision Avoidance Required, ES

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

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Anticollision Summary Report

Company:	PDC - PLANNING DB	Local Co-ordinate Reference:	Well EDMUNDSON 22N
Project:	WELD COUNTY	TVD Reference:	KB 25 @ 5077.0usft
Reference Site:	Edmundson Pad	MD Reference:	KB 25 @ 5077.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	Offset Datum

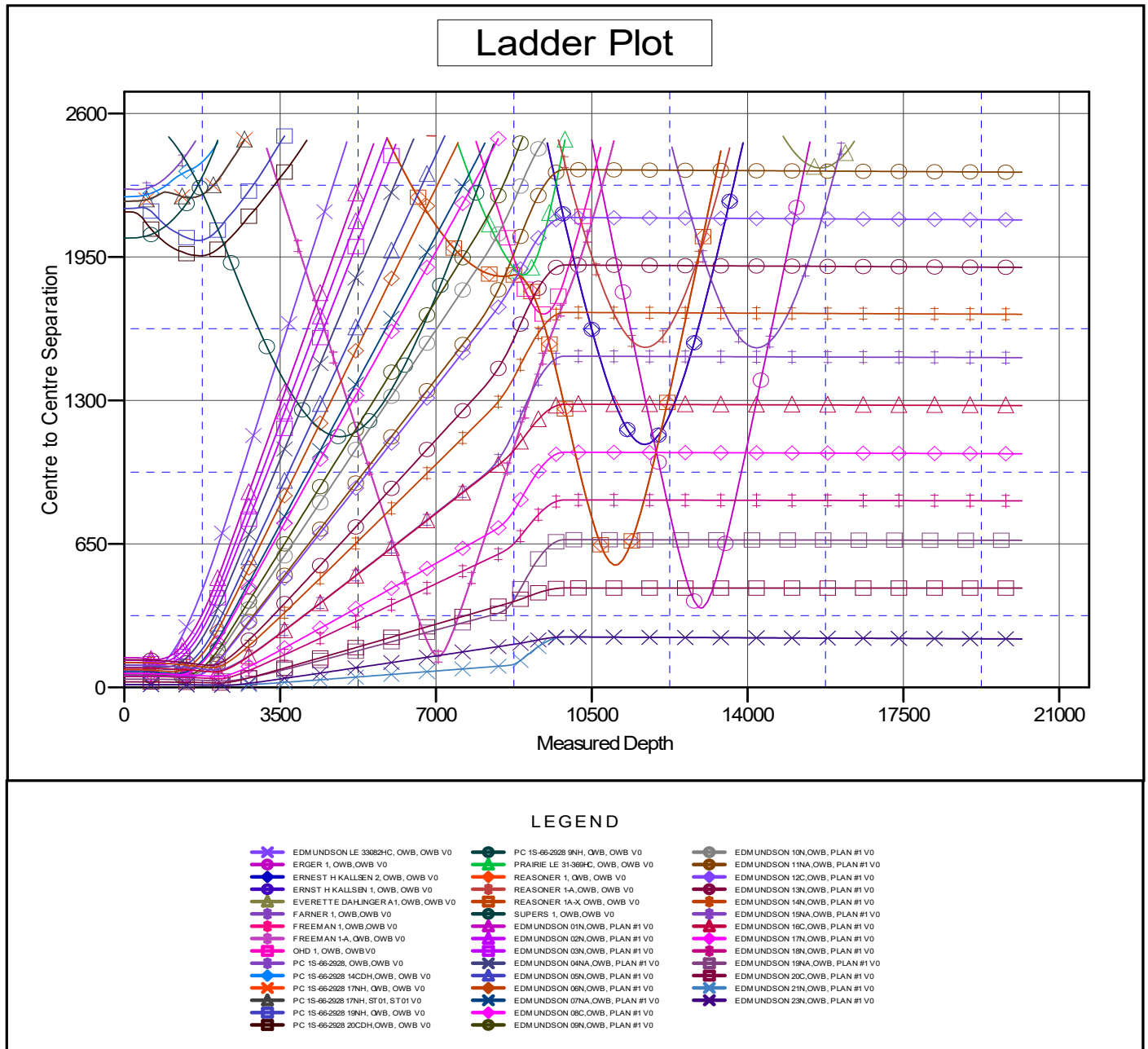
Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Edmundson Pad						
EDMUNDSON 20C - OWB - PLAN #1	2,156.5	2,156.9	20.0	-4.0	0.834	No-Go Zone - Stop Drilling, (
EDMUNDSON 20C - OWB - PLAN #1	20,163.5	20,024.3	450.2	-119.3	0.790	No-Go Zone - Stop Drilling, E
EDMUNDSON 21N - OWB - PLAN #1	2,277.3	2,277.5	10.0	-16.5	0.377	No-Go Zone - Stop Drilling, (
EDMUNDSON 21N - OWB - PLAN #1	2,500.0	2,500.2	10.6	-20.5	0.340	No-Go Zone - Stop Drilling, S
EDMUNDSON 21N - OWB - PLAN #1	20,163.5	19,962.4	219.7	-339.8	0.393	No-Go Zone - Stop Drilling, E
EDMUNDSON 23N - OWB - PLAN #1	2,284.6	2,284.4	9.8	-16.9	0.366	No-Go Zone - Stop Drilling, (
EDMUNDSON 23N - OWB - PLAN #1	2,400.0	2,399.8	10.4	-18.9	0.356	No-Go Zone - Stop Drilling, S
EDMUNDSON 23N - OWB - PLAN #1	20,163.5	20,233.0	219.6	-359.6	0.379	No-Go Zone - Stop Drilling, E

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Project:	WELD COUNTY	TVD Reference:	KB 25 @ 5077.0usft
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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25 @ 5077.0usft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: EDMUNDSON 22N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°



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

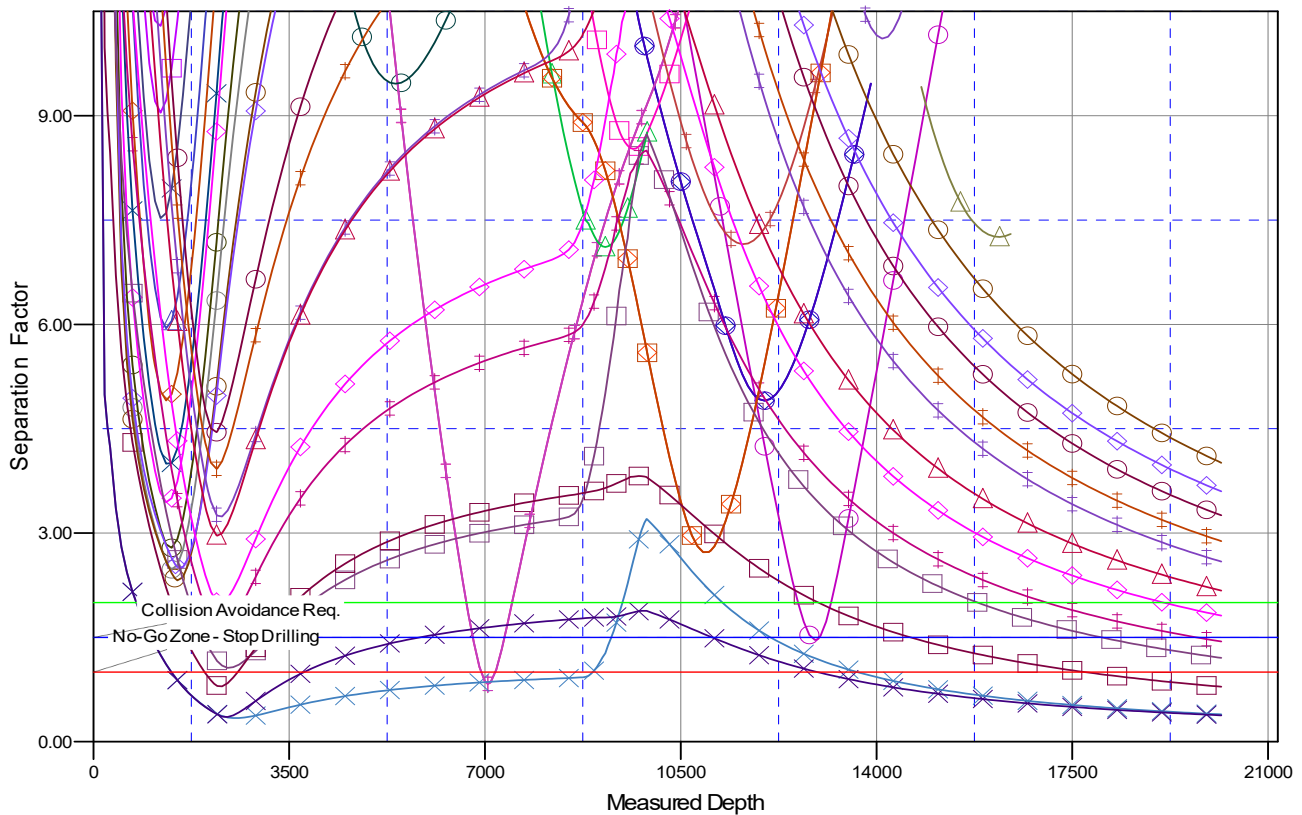
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Anticollision Summary Report

Company:	PDC - PLANNING DB	Local Co-ordinate Reference:	Well EDMUNDSON 22N
Project:	WELD COUNTY	TVD Reference:	KB 25 @ 5077.0usft
Reference Site:	Edmundson Pad	MD Reference:	KB 25 @ 5077.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	EDMUNDSON 22N	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 #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25 @ 5077.0usft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: EDMUNDSON 22N
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

EDMUNDSON LE 3382HC, OWB, OWB V0	PC 15-66-2928 9NH, OWB, OWB V0	EDMUNDSON 10N, OWB, PLAN #1 V0
ERGER 1, OWB, OWB V0	PRAIRIE LE 31-368HC, OWB, OWB V0	EDMUNDSON 11NA, OWB, PLAN #1 V0
ERNEST H KALLSEN 2, OWB, OWB V0	REASONER 1, OWB, OWB V0	EDMUNDSON 12C, OWB, PLAN #1 V0
ERNEST H KALLSEN 1, OWB, OWB V0	REASONER 1-A, OWB, OWB V0	EDMUNDSON 13N, OWB, PLAN #1 V0
EVERETTE DAHLINGER A1, OWB, OWB V0	REASONER 1A-X, OWB, OWB V0	EDMUNDSON 14N, OWB, PLAN #1 V0
FARNER 1, OWB, OWB V0	SUPERS 1, OWB, OWB V0	EDMUNDSON 15NA, OWB, PLAN #1 V0
FREEMAN 1, OWB, OWB V0	EDMUNDSON 01N, OWB, PLAN #1 V0	EDMUNDSON 16C, OWB, PLAN #1 V0
FREEMAN 1-A, OWB, OWB V0	EDMUNDSON 02N, OWB, PLAN #1 V0	EDMUNDSON 17N, OWB, PLAN #1 V0
OHD 1, OWB, OWB V0	EDMUNDSON 03N, OWB, PLAN #1 V0	EDMUNDSON 18N, OWB, PLAN #1 V0
PC 15-66-2928, OWB, OWB V0	EDMUNDSON 04NA, OWB, PLAN #1 V0	EDMUNDSON 19NA, OWB, PLAN #1 V0
PC 15-66-2928 14CDH, OWB, OWB V0	EDMUNDSON 05N, OWB, PLAN #1 V0	EDMUNDSON 20C, OWB, PLAN #1 V0
PC 15-66-2928 17NH, OWB, OWB V0	EDMUNDSON 06N, OWB, PLAN #1 V0	EDMUNDSON 21N, OWB, PLAN #1 V0
PC 15-66-2928 17NH, ST 01, ST 01 V0	EDMUNDSON 07NA, OWB, PLAN #1 V0	EDMUNDSON 23N, OWB, PLAN #1 V0
PC 15-66-2928 19NH, OWB, OWB V0	EDMUNDSON 08C, OWB, PLAN #1 V0	
PC 15-66-2928 20CDH, OWB, OWB V0	EDMUNDSON 09N, OWB, PLAN #1 V0	

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