



Laramie Energy, LLC

Mesa County, CO

CCR 0994-23-02

CCR FED 0994-11-A3-HN1

OH

Permit #2

Anticollision Summary Report

05 August, 2025





Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7172.0usft (TBD)
Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
Site Error:	0.0 usft	North Reference:	True
Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	Offset TVD Reference:	Offset Datum

Reference	Permit #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	8/5/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	21,458.1	Permit #2 (OH)	OWSG (REV5) MWD HD	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
CCR 0994-23-02						
(offset) Blackman 14-14 - OH - OH	7,893.4	7,855.0	1,275.5	1,229.9	27.974	CC, ES, SF
(offset) Brush Creek Ranch 14-15 - OH - OH	5,133.5	5,506.1	1,222.8	1,180.8	29.119	CC, ES
(offset) Brush Creek Ranch 14-15 - OH - OH	7,900.0	8,174.0	1,372.5	1,314.9	23.838	SF
(offset) Brush Creek Ranch 14-16 - OH - OH	3,321.0	3,824.5	1,999.1	1,968.8	65.973	CC
(offset) Brush Creek Ranch 14-16 - OH - OH	3,400.0	3,883.3	1,999.6	1,968.8	64.796	ES
(offset) Brush Creek Ranch 14-16 - OH - OH	7,000.0	7,361.0	2,330.7	2,276.9	43.304	SF
(offset) David 23-7A - OH - OH	4,873.5	4,966.1	1,252.3	1,226.6	48.699	CC
(offset) David 23-7A - OH - OH	4,900.0	4,990.2	1,252.4	1,226.6	48.544	ES
(offset) David 23-7A - OH - OH	7,200.0	7,263.3	1,330.0	1,296.8	40.048	SF
CCR 0994-11-A7-HN1 - OH - Permit #2	2,200.0	2,200.0	25.0	13.3	2.138	Level 1, CC, ES, SF
CCR Offset Pad						
(offset) Blackman 23-3 - Wellbore #1 - Wellbore #1	7,900.0	8,230.0	544.7	474.6	7.769	CC, ES, SF
(offset) Blackman 23-4 - Wellbore #1 - Wellbore #1	8,080.3	8,135.0	1,838.7	1,771.3	27.279	CC, ES
(offset) Blackman 23-4 - Wellbore #1 - Wellbore #1	8,200.0	8,135.0	1,842.6	1,774.8	27.207	SF
(offset) David 23-1 - Wellbore #1 - Wellbore #1	2,427.6	2,771.1	1,085.0	1,059.4	42.316	CC, ES
(offset) David 23-1 - Wellbore #1 - Wellbore #1	6,100.0	6,550.8	1,885.8	1,831.2	34.588	SF
(offset) David 23-2 - Wellbore #1 - Wellbore #1	4,651.2	4,928.2	472.1	436.5	13.262	CC
(offset) David 23-2 - Wellbore #1 - Wellbore #1	4,700.0	4,972.7	472.4	436.5	13.153	ES
(offset) David 23-2 - Wellbore #1 - Wellbore #1	5,100.0	5,352.3	491.5	453.0	12.776	SF
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,152.0	8,645.0	4,497.1	4,343.3	29.239	CC
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,200.0	8,645.0	4,497.4	4,343.1	29.155	ES
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,458.1	8,645.0	4,507.5	4,351.1	28.811	SF
(offset) Griffith 11-1A - Wellbore #1 - Wellbore #1						Out of range
(offset) Griffith 11-1B - Wellbore #1 - Wellbore #1	20,800.0	7,950.0	4,954.4	4,815.4	35.626	CC
(offset) Griffith 11-1B - Wellbore #1 - Wellbore #1	20,804.4	7,950.0	4,954.5	4,815.3	35.615	ES
(offset) Griffith 11-1B - Wellbore #1 - Wellbore #1	21,458.1	7,950.0	4,997.9	4,853.5	34.609	SF
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	20,515.1	7,910.0	4,931.2	4,797.3	36.822	CC
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	20,600.0	7,910.0	4,932.0	4,797.1	36.586	ES
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	21,300.0	7,910.0	4,993.3	4,852.5	35.464	SF
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,153.5	8,611.0	3,699.9	3,576.3	29.934	CC
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,200.0	8,611.0	3,700.2	3,576.2	29.839	ES
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,458.1	8,611.0	3,712.4	3,586.4	29.468	SF
(offset) Griffith 11-2A - Wellbore #1 - Wellbore #1	21,458.1	8,005.0	4,351.9	4,230.6	35.879	CC, ES, SF
(offset) Griffith 11-2B - Wellbore #1 - Wellbore #1	21,425.6	7,950.0	4,333.1	4,214.1	36.394	CC
(offset) Griffith 11-2B - Wellbore #1 - Wellbore #1	21,458.1	7,950.0	4,333.2	4,213.9	36.309	ES, SF
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	19,864.9	8,613.0	3,602.4	3,497.3	34.258	CC

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



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Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
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Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	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						
CCR Offset Pad						
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	19,900.0	8,613.0	3,602.6	3,497.2	34.178	ES
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	20,500.0	8,613.0	3,658.0	3,548.9	33.541	SF
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,152.1	7,935.0	4,210.5	4,107.9	41.029	CC
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,200.0	7,935.0	4,210.8	4,107.8	40.902	ES
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,900.0	7,935.0	4,276.4	4,169.5	39.991	SF
(offset) Griffith 11-7B - Wellbore #1 - Wellbore #1	19,605.5	8,705.0	3,525.3	3,423.0	34.453	CC, ES
(offset) Griffith 11-7B - Wellbore #1 - Wellbore #1	20,300.0	8,705.0	3,593.1	3,486.0	33.560	SF
(offset) Griffith 11-7C - Wellbore #1 - Wellbore #1	19,310.5	8,745.0	3,507.9	3,408.9	35.427	CC, ES
(offset) Griffith 11-7C - Wellbore #1 - Wellbore #1	20,100.0	8,745.0	3,595.7	3,490.3	34.131	SF
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	20,131.9	7,930.0	4,861.9	4,736.0	38.608	CC
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	20,200.0	7,930.0	4,862.4	4,735.7	38.379	ES
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	21,200.0	7,930.0	4,977.8	4,842.2	36.698	SF
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	20,866.8	7,890.0	4,292.9	4,181.3	38.437	CC
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	20,900.0	7,890.0	4,293.1	4,181.1	38.343	ES
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	21,458.1	7,890.0	4,333.5	4,217.6	37.398	SF
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	18,876.8	7,597.0	4,168.8	4,081.7	47.883	CC
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	18,900.0	7,597.0	4,168.9	4,081.6	47.781	ES
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	19,900.0	7,597.0	4,292.5	4,198.7	45.739	SF
(Offset) MCDANIEL 11-10B11-10B - Wellbore #1 - Wellbore #1	18,211.8	8,320.0	3,481.1	3,395.0	40.451	CC, ES
(Offset) MCDANIEL 11-10B11-10B - Wellbore #1 - Wellbore #1	18,800.0	8,320.0	3,530.4	3,441.5	39.702	SF
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	17,964.8	8,365.0	3,461.8	3,377.5	41.059	CC
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	18,000.0	8,365.0	3,462.0	3,377.5	40.954	ES
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	18,600.0	8,365.0	3,519.6	3,431.7	40.047	SF
(Offset) MCDANIEL 11-1111-11 - Wellbore #1 - Wellbore #1	18,519.0	7,750.0	3,974.5	3,893.1	48.818	CC, ES
(Offset) MCDANIEL 11-1111-11 - Wellbore #1 - Wellbore #1	19,500.0	7,750.0	4,093.8	4,006.3	46.826	SF
(Offset) MCDANIEL 11-1411-14 - Wellbore #1 - Wellbore #1	17,262.9	7,630.0	3,941.4	3,867.2	53.139	CC, ES
(Offset) MCDANIEL 11-1411-14 - Wellbore #1 - Wellbore #1	18,100.0	7,630.0	4,029.3	3,951.8	51.959	SF
(Offset) MCDANIEL 11-14B11-14B - Wellbore #1 - Wellbore #1	16,932.8	8,519.0	3,158.5	3,086.5	43.857	CC, ES
(Offset) MCDANIEL 11-14B11-14B - Wellbore #1 - Wellbore #1	18,000.0	8,519.0	3,333.9	3,251.6	40.488	SF
(Offset) MCDANIEL 11-1511-15 - Wellbore #1 - Wellbore #1	17,236.2	8,355.0	3,499.6	3,422.1	45.157	CC, ES
(Offset) MCDANIEL 11-1511-15 - Wellbore #1 - Wellbore #1	17,800.0	8,355.0	3,544.7	3,464.9	44.402	SF
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	17,139.9	8,554.0	4,094.0	3,994.5	41.146	CC
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	17,200.0	8,554.0	4,094.5	3,994.4	40.919	ES
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	18,100.0	8,554.0	4,205.1	4,098.0	39.267	SF
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	17,537.9	7,778.0	4,646.7	4,551.6	48.845	CC
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	17,600.0	7,778.0	4,647.1	4,551.3	48.520	ES
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	19,000.0	7,778.0	4,871.3	4,763.5	45.170	SF
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,828.6	8,565.0	4,200.9	4,068.3	31.679	CC
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,900.0	8,565.0	4,201.5	4,068.3	31.533	ES
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	20,500.0	8,565.0	4,254.2	4,116.7	30.942	SF
(Offset) MCDANIEL 11-911-9 - Wellbore #1 - Wellbore #1	18,516.8	8,374.0	4,136.3	4,022.1	36.224	CC, ES
(Offset) MCDANIEL 11-911-9 - Wellbore #1 - Wellbore #1	19,300.0	8,374.0	4,209.8	4,089.6	35.007	SF
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,085.6	7,674.0	4,949.0	4,819.9	38.336	CC
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,100.0	7,674.0	4,949.1	4,819.8	38.297	ES
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,700.0	7,674.0	4,987.0	4,853.1	37.234	SF
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	18,196.4	7,668.0	4,702.8	4,601.1	46.245	CC
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	18,200.0	7,668.0	4,702.8	4,601.0	46.228	ES
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	19,400.0	7,668.0	4,854.4	4,743.1	43.615	SF
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	17,891.7	7,690.0	4,686.5	4,588.0	47.594	CC
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	17,900.0	7,690.0	4,686.5	4,587.9	47.551	ES
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	19,300.0	7,690.0	4,893.5	4,782.7	44.182	SF
(Offset) MCDANIEL 13-413-4 - Wellbore #1 - Wellbore #1						Out of range
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	15,877.5	8,120.0	4,141.3	4,064.5	53.929	CC

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Reference Design:	Permit #2	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						
CCR Offset Pad						
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	15,900.0	8,120.0	4,141.4	4,064.4	53.787	ES
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	17,000.0	8,120.0	4,290.7	4,205.8	50.503	SF
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	15,974.2	8,050.0	3,280.3	3,216.4	51.346	CC
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	16,000.0	8,050.0	3,280.4	3,216.3	51.187	ES
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	16,800.0	8,050.0	3,382.6	3,313.4	48.825	SF
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	16,281.7	7,445.0	3,912.2	3,847.4	60.364	CC
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	16,300.0	7,445.0	3,912.3	3,847.3	60.248	ES
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	17,600.0	7,445.0	4,128.4	4,055.3	56.498	SF
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	16,469.5	7,476.0	3,908.0	3,841.5	58.805	CC
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	16,500.0	7,476.0	3,908.1	3,841.4	58.637	ES
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	17,700.0	7,476.0	4,097.1	4,023.1	55.371	SF
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	15,544.0	7,425.0	3,891.8	3,832.5	65.602	CC
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	15,600.0	7,425.0	3,892.2	3,832.4	65.119	ES
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	16,900.0	7,425.0	4,121.1	4,052.4	59.928	SF
(Offset) MCDANIEL 14-4A14-4A - Wellbore #1 - Wellbore	16,310.7	8,240.0	3,469.4	3,377.8	37.896	CC, ES
(Offset) MCDANIEL 14-4A14-4A - Wellbore #1 - Wellbore	17,200.0	8,240.0	3,581.5	3,482.4	36.148	SF
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	15,640.4	7,490.0	4,130.7	4,050.9	51.762	CC
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	15,700.0	7,490.0	4,131.2	4,050.7	51.336	ES
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	17,100.0	7,490.0	4,381.0	4,287.7	46.912	SF
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	15,446.9	8,190.0	3,484.4	3,399.6	41.113	CC
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	15,500.0	8,190.0	3,484.8	3,399.3	40.769	ES
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	16,600.0	8,190.0	3,670.2	3,572.5	37.562	SF
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	14,988.8	7,550.0	4,113.7	4,039.3	55.328	CC
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	15,000.0	7,550.0	4,113.7	4,039.2	55.225	ES
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	16,700.0	7,550.0	4,455.4	4,362.7	48.078	SF
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	14,933.1	7,480.0	3,875.2	3,819.5	69.585	CC
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	15,000.0	7,480.0	3,875.8	3,819.5	68.837	ES
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	16,800.0	7,480.0	4,301.5	4,228.9	59.289	SF
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	14,589.1	8,405.0	3,387.0	3,331.9	61.563	CC
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	14,600.0	8,405.0	3,387.0	3,331.9	61.463	ES
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	16,100.0	8,405.0	3,708.7	3,640.4	54.345	SF
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	14,579.4	8,301.0	4,081.9	4,014.3	60.377	CC
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	14,600.0	8,301.0	4,082.0	4,014.2	60.219	ES
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	16,100.0	8,301.0	4,355.9	4,276.1	54.543	SF
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	16,030.3	8,520.0	4,251.1	4,134.0	36.290	CC
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	16,100.0	8,520.0	4,251.7	4,133.5	35.977	ES
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	17,500.0	8,520.0	4,498.0	4,362.3	33.145	SF
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	16,369.5	7,910.0	4,775.1	4,659.7	41.385	CC
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	16,400.0	7,910.0	4,775.2	4,659.4	41.242	ES
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	17,800.0	7,910.0	4,984.8	4,852.7	37.726	SF
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	15,734.0	7,900.0	4,754.3	4,645.9	43.862	CC
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	15,800.0	7,900.0	4,754.8	4,645.5	43.511	ES
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	17,200.0	7,900.0	4,975.0	4,848.8	39.429	SF
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	15,566.0	8,580.0	4,196.5	4,086.0	37.958	CC
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	15,600.0	8,580.0	4,196.7	4,085.6	37.795	ES
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	17,100.0	8,580.0	4,468.1	4,338.8	34.542	SF
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	18,590.4	8,600.0	3,553.7	3,439.1	31.014	CC
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	18,600.0	8,600.0	3,553.7	3,439.1	30.986	ES
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	19,300.0	8,600.0	3,623.9	3,502.9	29.950	SF
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	17,283.9	8,560.0	3,552.1	3,449.8	34.712	CC
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	17,300.0	8,560.0	3,552.1	3,449.6	34.636	ES
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	18,300.0	8,560.0	3,694.6	3,580.4	32.366	SF
(offset) McDaniel Fed 11-5 - Wellbore #1 - Wellbore #1	19,920.0	8,945.0	3,473.4	3,347.4	27.566	CC, ES

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



Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7172.0usft (TBD)
Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
Site Error:	0.0 usft	North Reference:	True
Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	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
CCR Offset Pad						
(offset) McDaniel Fed 11-5 - Wellbore #1 - Wellbore #1	20,500.0	8,945.0	3,521.5	3,390.8	26.958	SF
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	19,871.9	8,095.0	4,007.4	3,911.8	41.945	CC
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	19,900.0	8,095.0	4,007.5	3,911.8	41.902	ES
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	20,300.0	8,095.0	4,030.2	3,933.4	41.621	SF
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	17,965.0	7,873.0	4,189.3	4,087.4	41.112	CC
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	18,000.0	7,873.0	4,189.4	4,087.1	40.957	ES
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	19,200.0	7,873.0	4,367.5	4,254.3	38.577	SF
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	16,772.7	7,980.0	4,143.9	4,049.5	43.905	CC
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	16,800.0	7,980.0	4,144.0	4,049.3	43.743	ES
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	18,200.0	7,980.0	4,382.9	4,273.1	39.918	SF
(Offset) MCDANIEL FEDERAL 12-12-13 - Wellbore #1 -)						Out of range
(Offset) MCDANIEL11-14C11-14C - Wellbore #1 - Wellbc	16,743.9	7,525.0	3,913.2	3,844.5	56.924	CC, ES
(Offset) MCDANIEL11-14C11-14C - Wellbore #1 - Wellbc	17,900.0	7,525.0	4,080.4	4,005.4	54.355	SF
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	15,984.7	7,465.0	4,159.6	4,078.1	51.017	CC
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	16,000.0	7,465.0	4,159.7	4,078.0	50.920	ES
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	17,300.0	7,465.0	4,362.6	4,270.0	47.094	SF
(Offset) MCELWAIN 12-1212-12 - Wellbore #1 - Wellbore						Out of range
(Offset) MCELWAIN 12-412-4 - Wellbore #1 - Wellbore #						Out of range
(P&A) Griffin 14-2 - OH - OH	15,819.4	8,099.0	3,666.0	3,539.0	28.865	CC, ES
(P&A) Griffin 14-2 - OH - OH	17,500.0	8,099.0	4,032.9	3,884.6	27.211	SF
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,697.9	11,480.9	1,829.0	1,487.2	5.350	CC
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,700.0	11,480.9	1,829.0	1,487.2	5.350	ES
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,800.0	11,483.6	1,831.9	1,489.3	5.347	SF

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



Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7172.0usft (TBD)
Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
Site Error:	0.0 usft	North Reference:	True
Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	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						
CCR Offset Pad - 2						
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbo	1,995.6	2,198.4	2,448.7	2,430.9	137.540	CC
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbc	2,100.0	2,271.0	2,449.2	2,430.8	133.016	ES
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbo	8,100.0	8,258.0	2,558.8	2,504.7	47.226	SF
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	19,453.7	7,985.0	4,781.5	4,664.3	40.799	CC
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	19,500.0	7,985.0	4,781.7	4,664.0	40.623	ES
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	20,700.0	7,985.0	4,941.3	4,812.6	38.395	SF
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,836.0	8,565.0	4,206.7	4,073.9	31.682	CC
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,900.0	8,565.0	4,207.2	4,073.8	31.550	ES
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	20,500.0	8,565.0	4,258.8	4,121.1	30.943	SF
(Offset) McDaniel 11-9A - Wellbore #1 - Wellbore #1	18,805.2	7,674.0	4,724.1	4,615.4	43.463	CC, ES
(Offset) McDaniel 11-9A - Wellbore #1 - Wellbore #1	19,800.0	7,674.0	4,827.7	4,712.3	41.852	SF
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,252.2	8,290.0	4,004.4	3,898.6	37.830	CC
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,300.0	8,290.0	4,004.7	3,898.2	37.598	ES
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,458.1	8,290.0	4,009.7	3,901.1	36.904	SF
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	2,795.5	3,795.6	3,666.4	3,622.7	84.018	CC
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	3,300.0	4,338.8	3,673.1	3,621.9	71.859	ES
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	8,100.0	8,870.0	3,993.2	3,910.8	48.453	SF
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	3,397.9	4,469.7	3,479.3	3,426.0	65.259	CC
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	3,900.0	4,997.0	3,485.0	3,424.4	57.459	ES
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	7,500.0	8,322.0	3,681.6	3,600.4	45.314	SF
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	4,342.3	5,493.2	3,135.3	3,068.6	46.988	CC
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	4,700.0	5,842.0	3,136.7	3,066.7	44.834	ES
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	7,400.0	8,330.0	3,330.0	3,249.7	41.481	SF
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	4,845.4	5,955.1	2,461.4	2,395.9	37.566	CC
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	4,900.0	5,993.5	2,461.6	2,395.8	37.409	ES
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	7,200.0	8,239.8	2,590.1	2,514.8	34.386	SF
Gunderson 0994-14-16E - Wellbore #1 - Wellbore #1	5,153.2	6,247.8	2,255.0	2,191.1	35.275	CC, ES
Gunderson 0994-14-16E - Wellbore #1 - Wellbore #1	7,800.0	8,766.2	2,445.6	2,371.1	32.817	SF
Gunderson 0994-14-17E - Wellbore #1 - Wellbore #1	5,027.3	6,123.0	2,012.3	1,953.5	34.229	CC, ES
Gunderson 0994-14-17E - Wellbore #1 - Wellbore #1	7,300.0	8,261.4	2,173.3	2,104.4	31.540	SF

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



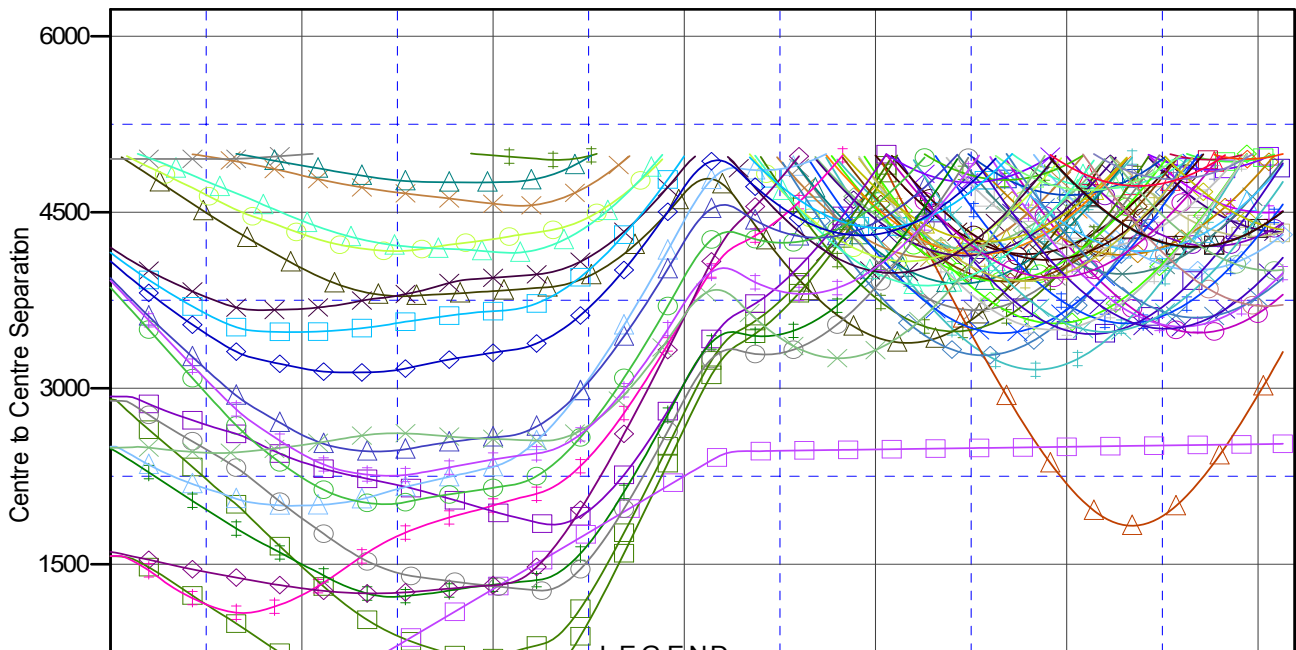
Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7172.0usft (TBD)
Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
Site Error:	0.0 usft	North Reference:	True
Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30' @ 7172.0usft (TBD) Coordinates are relative to: CCR FED 0994-11-A3-HN1
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Central Zone
 Central Meridian is -105.500000 Grid Convergence at Surface is: -1.48°

Ladder Plot



LEGEND

Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL FED 11-1211-12, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 15-115-1, Wellbore #1, Wellbore #1 V0
14-B11-14B, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-3A14-3A, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-6A14-6A, Wellbore #1, Wellbore #1 V0
15-5, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-314-3, Wellbore #1, Wellbore #1 V0	(Offset) Griffith 11-7C, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-9A11-9A, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-9C11-9C, Wellbore #1, Wellbore #1 V0
9-11-9, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-3B14-3B, Wellbore #1, Wellbore #1 V0	(offset) David 23-1, Wellbore #1, Wellbore #1 V0
11-11-11, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-4A14-4A, Wellbore #1, Wellbore #1 V0	(offset) Backman 23-4, Wellbore #1, Wellbore #1 V0
7-14-7, Wellbore #1, Wellbore #1 V0	(offset) Griffith 11-1B, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-1411-14, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-114-1, Wellbore #1, Wellbore #1 V0	(offset) Griffith 11-2, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0	(Offset) McDaniel 11-8, Wellbore #1, Wellbore #1 V0	(offset) Bush Creek Ranch 14-16, OH, OH V0
D 11-611-6, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-1511-15, Wellbore #1, Wellbore #1 V0	(offset) Bush Creek Ranch 14-15, OH, OH V0
Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-10A11-10A, Wellbore #1, Wellbore #1 V0	CCR 0994-11-A7-HN1, OH, Permit #2 V0
, Wellbore #1, Wellbore #1 V0	(offset) Griffith 11-7B, Wellbore #1, Wellbore #1 V0	(offset) Backman 14-14, OH, OH V0
DERAL 11-11-13C, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-16A11-16A, Wellbore #1, Wellbore #1 V0	(offset) David 23-7A, OH, OH V0
9B11-9B, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 14-814-8, Wellbore #1, Wellbore #1 V0	Gunderson 0994-14-10E, Wellbore #1, Wellbore #1 V0
D 11-1311-13, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-10C11-10C, Wellbore #1, Wellbore #1 V0	Gunderson 0994-14-15E, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 11-1611-16, Wellbore #1, Wellbore #1 V0	(offset) Griffith 11-8B, Wellbore #1, Wellbore #1 V0
5A14-5A, Wellbore #1, Wellbore #1 V0	(Offset) MCDANIEL 15-1A15-1A, Wellbore #1, Wellbore #1 V0	(Offset) McDaniel 11-8, Wellbore #1, Wellbore #1 V0

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

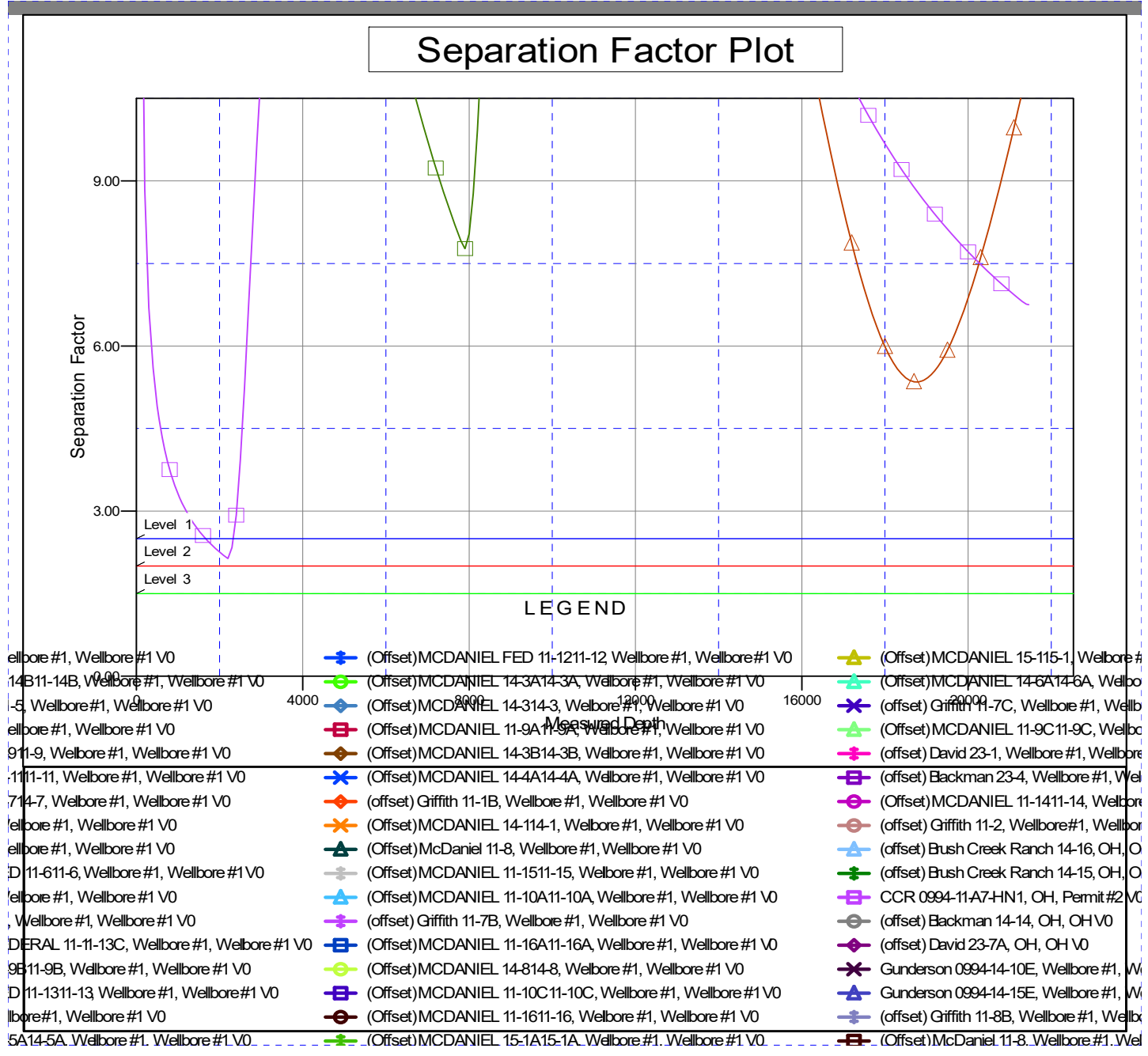


Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7172.0usft (TBD)
Reference Site:	CCR 0994-23-02	MD Reference:	RKB=30' @ 7172.0usft (TBD)
Site Error:	0.0 usft	North Reference:	True
Reference Well:	CCR FED 0994-11-A3-HN1	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	KLXDirectional-AD
Reference Design:	Permit #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=30' @ 7172.0usft (TBD) Coordinates are relative to: CCR FED 0994-11-A3-HN1
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Central Zone
 Central Meridian is -105.500000 Grid Convergence at Surface is: -1.48°



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