



Laramie Energy, LLC

Mesa County, CO

CCR 0994-23-02

CCR FED 0994-11-A3-HN1

OH

Permit #1

Anticollision Summary Report

23 May, 2025





Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1 - Slot A-2
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 #1	Offset TVD Reference:	Offset Datum

Reference	Permit #1		
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	5/23/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	21,460.2	Permit #1 (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	7,894.2	7,855.0	1,272.4	1,225.9	27.342	CC, ES, SF
(offset) Brush Creek Ranch 14-15 - OH - OH	5,136.0	5,505.4	1,228.6	1,185.6	28.546	CC, ES
(offset) Brush Creek Ranch 14-15 - OH - OH	7,900.0	8,174.0	1,376.7	1,317.8	23.340	SF
(offset) Brush Creek Ranch 14-16 - OH - OH	3,319.8	3,817.4	2,011.4	1,980.3	64.747	CC
(offset) Brush Creek Ranch 14-16 - OH - OH	3,400.0	3,878.0	2,011.9	1,980.2	63.499	ES
(offset) Brush Creek Ranch 14-16 - OH - OH	7,000.0	7,361.0	2,339.1	2,283.5	42.121	SF
(offset) David 23-7A - OH - OH	4,861.6	4,951.0	1,256.5	1,230.2	47.728	CC
(offset) David 23-7A - OH - OH	4,900.0	4,986.0	1,256.6	1,230.1	47.500	ES
(offset) David 23-7A - OH - OH	7,200.0	7,260.2	1,334.5	1,300.3	38.984	SF
CCR 0994-11-A7-HN1 - OH - Permit #1	1,700.0	1,700.0	25.0	14.9	2.469	Level 1, CC, ES, SF
CCR Offset Pad						
(offset) Blackman 23-3 - Wellbore #1 - Wellbore #1	7,900.0	8,230.0	537.5	465.6	7.471	CC, ES, SF
(offset) Blackman 23-4 - Wellbore #1 - Wellbore #1	8,078.0	8,135.0	1,831.4	1,762.2	26.439	CC, ES
(offset) Blackman 23-4 - Wellbore #1 - Wellbore #1	8,200.0	8,135.0	1,835.5	1,765.9	26.373	SF
(offset) David 23-1 - Wellbore #1 - Wellbore #1	2,341.1	2,699.8	1,092.2	1,067.0	43.392	CC, ES
(offset) David 23-1 - Wellbore #1 - Wellbore #1	6,200.0	6,649.2	1,910.8	1,854.1	33.730	SF
(offset) David 23-2 - Wellbore #1 - Wellbore #1	4,641.1	4,914.6	484.0	447.3	13.181	CC, ES
(offset) David 23-2 - Wellbore #1 - Wellbore #1	5,200.0	5,443.0	511.9	471.4	12.625	SF
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,154.1	8,645.0	4,497.1	4,343.6	29.299	CC
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,200.0	8,645.0	4,497.3	4,343.4	29.219	ES
(offset) Griffith 11-1 - Wellbore #1 - Wellbore #1	21,460.2	8,645.0	4,507.5	4,351.4	28.876	SF
(offset) Griffith 11-1A - Wellbore #1 - Wellbore #1						Out of range
(offset) Griffith 11-1B - Wellbore #1 - Wellbore #1	20,804.4	7,950.0	4,954.4	4,815.7	35.712	CC, ES
(offset) Griffith 11-1B - Wellbore #1 - Wellbore #1	21,460.2	7,950.0	4,997.9	4,853.9	34.711	SF
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	20,517.2	7,910.0	4,931.2	4,797.7	36.920	CC
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	20,600.0	7,910.0	4,931.9	4,797.5	36.691	ES
(offset) Griffith 11-1C - Wellbore #1 - Wellbore #1	21,300.0	7,910.0	4,993.0	4,852.6	35.576	SF
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,155.6	8,611.0	3,699.9	3,576.7	30.028	CC
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,200.0	8,611.0	3,700.2	3,576.6	29.938	ES
(offset) Griffith 11-2 - Wellbore #1 - Wellbore #1	21,460.2	8,611.0	3,712.4	3,586.8	29.567	SF
(offset) Griffith 11-2A - Wellbore #1 - Wellbore #1	21,460.2	8,005.0	4,351.9	4,231.0	35.984	CC, ES, SF
(offset) Griffith 11-2B - Wellbore #1 - Wellbore #1	21,427.9	7,950.0	4,333.1	4,214.4	36.509	CC
(offset) Griffith 11-2B - Wellbore #1 - Wellbore #1	21,460.2	7,950.0	4,333.2	4,214.3	36.425	ES, SF
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	19,867.0	8,613.0	3,602.4	3,497.6	34.376	CC
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	19,900.0	8,613.0	3,602.6	3,497.6	34.301	ES
(offset) Griffith 11-7 - Wellbore #1 - Wellbore #1	20,500.0	8,613.0	3,657.6	3,549.0	33.668	SF

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



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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 #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						
CCR Offset Pad						
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,154.1	7,935.0	4,210.5	4,108.2	41.165	CC
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,200.0	7,935.0	4,210.7	4,108.1	41.044	ES
(offset) Griffith 11-7A - Wellbore #1 - Wellbore #1	20,900.0	7,935.0	4,276.0	4,169.5	40.133	SF
(offset) Griffith 11-7B - Wellbore #1 - Wellbore #1	19,607.6	8,705.0	3,525.3	3,423.3	34.574	CC, ES
(offset) Griffith 11-7B - Wellbore #1 - Wellbore #1	20,300.0	8,705.0	3,592.7	3,486.0	33.688	SF
(offset) Griffith 11-7C - Wellbore #1 - Wellbore #1	19,312.6	8,745.0	3,507.9	3,409.2	35.552	CC, ES
(offset) Griffith 11-7C - Wellbore #1 - Wellbore #1	20,100.0	8,745.0	3,595.2	3,490.3	34.261	SF
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	20,134.0	7,930.0	4,861.9	4,736.3	38.717	CC
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	20,200.0	7,930.0	4,862.3	4,736.0	38.496	ES
(offset) Griffith 11-8A - Wellbore #1 - Wellbore #1	21,300.0	7,930.0	4,999.8	4,863.9	36.814	SF
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	20,868.9	7,890.0	4,292.9	4,181.6	38.561	CC
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	20,900.0	7,890.0	4,293.1	4,181.5	38.473	ES
(offset) Griffith 11-C2 - Wellbore #1 - Wellbore #1	21,460.2	7,890.0	4,333.5	4,218.0	37.526	SF
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	18,878.9	7,597.0	4,168.8	4,082.0	48.046	CC
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	18,900.0	7,597.0	4,168.8	4,081.9	47.953	ES
(Offset) MCDANIEL 11-10A11-10A - Wellbore #1 - Wellbore #1	19,900.0	7,597.0	4,292.0	4,198.5	45.900	SF
(Offset) MCDANIEL 11-10B11-10B - Wellbore #1 - Wellbore #1	18,213.9	8,320.0	3,481.1	3,395.4	40.607	CC, ES
(Offset) MCDANIEL 11-10B11-10B - Wellbore #1 - Wellbore #1	18,800.0	8,320.0	3,530.1	3,441.6	39.870	SF
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	17,966.9	8,365.0	3,461.8	3,377.9	41.220	CC
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	18,000.0	8,365.0	3,462.0	3,377.8	41.122	ES
(Offset) MCDANIEL 11-10C11-10C - Wellbore #1 - Wellbore #1	18,600.0	8,365.0	3,519.3	3,431.8	40.221	SF
(Offset) MCDANIEL 11-1111-11 - Wellbore #1 - Wellbore #1	18,521.1	7,750.0	3,974.5	3,892.9	48.735	CC, ES
(Offset) MCDANIEL 11-1111-11 - Wellbore #1 - Wellbore #1	19,500.0	7,750.0	4,093.3	4,005.7	46.720	SF
(Offset) MCDANIEL 11-1411-14 - Wellbore #1 - Wellbore #1	17,264.9	7,630.0	3,941.4	3,867.1	53.040	CC, ES
(Offset) MCDANIEL 11-1411-14 - Wellbore #1 - Wellbore #1	18,200.0	7,630.0	4,050.8	3,972.7	51.832	SF
(Offset) MCDANIEL 11-14B11-14B - Wellbore #1 - Wellbore #1	16,934.0	8,519.0	3,158.5	3,086.4	43.767	CC
(Offset) MCDANIEL 11-14B11-14B - Wellbore #1 - Wellbore #1	17,000.0	8,519.0	3,159.2	3,086.3	43.367	ES
(Offset) MCDANIEL 11-14B11-14B - Wellbore #1 - Wellbore #1	18,000.0	8,519.0	3,333.3	3,250.7	40.368	SF
(Offset) MCDANIEL 11-1511-15 - Wellbore #1 - Wellbore #1	17,238.3	8,355.0	3,499.6	3,422.4	45.339	CC, ES
(Offset) MCDANIEL 11-1511-15 - Wellbore #1 - Wellbore #1	17,800.0	8,355.0	3,544.4	3,464.9	44.600	SF
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	17,142.0	8,554.0	4,094.0	3,994.8	41.247	CC
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	17,200.0	8,554.0	4,094.4	3,994.6	41.031	ES
(Offset) MCDANIEL 11-1611-16 - Wellbore #1 - Wellbore #1	18,100.0	8,554.0	4,204.6	4,097.9	39.408	SF
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	17,540.0	7,778.0	4,646.7	4,551.9	49.003	CC
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	17,600.0	7,778.0	4,647.1	4,551.7	48.691	ES
(Offset) MCDANIEL 11-16A11-16A - Wellbore #1 - Wellbore #1	19,000.0	7,778.0	4,870.7	4,763.3	45.359	SF
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,830.7	8,565.0	4,200.9	4,068.6	31.756	CC
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,900.0	8,565.0	4,201.5	4,068.6	31.616	ES
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	20,500.0	8,565.0	4,253.9	4,116.8	31.034	SF
(Offset) MCDANIEL 11-911-9 - Wellbore #1 - Wellbore #1	18,518.9	8,374.0	4,136.3	4,022.4	36.316	CC, ES
(Offset) MCDANIEL 11-911-9 - Wellbore #1 - Wellbore #1	19,300.0	8,374.0	4,209.4	4,089.6	35.122	SF
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,087.7	7,674.0	4,949.0	4,820.3	38.440	CC
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,100.0	7,674.0	4,949.1	4,820.2	38.407	ES
(Offset) MCDANIEL 11-9A11-9A - Wellbore #1 - Wellbore #1	20,700.0	7,674.0	4,986.8	4,853.3	37.351	SF
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	18,198.4	7,668.0	4,702.8	4,601.4	46.393	CC
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	18,200.0	7,668.0	4,702.8	4,601.4	46.386	ES
(Offset) MCDANIEL 11-9B11-9B - Wellbore #1 - Wellbore #1	19,400.0	7,668.0	4,853.8	4,743.0	43.790	SF
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	17,893.8	7,690.0	4,686.5	4,588.3	47.748	CC
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	17,900.0	7,690.0	4,686.5	4,588.3	47.715	ES
(Offset) MCDANIEL 11-9C11-9C - Wellbore #1 - Wellbore #1	19,300.0	7,690.0	4,892.9	4,782.6	44.363	SF
(Offset) MCDANIEL 13-413-4 - Wellbore #1 - Wellbore #1						Out of range
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	15,879.5	8,120.0	4,141.3	4,064.7	54.043	CC
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	15,900.0	8,120.0	4,141.4	4,064.5	53.916	ES

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Reference Design:	Permit #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						
CCR Offset Pad						
(Offset) MCDANIEL 14-114-1 - Wellbore #1 - Wellbore #1	17,000.0	8,120.0	4,290.2	4,205.6	50.707	SF
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	15,976.3	8,050.0	3,280.3	3,216.3	51.224	CC
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	16,000.0	8,050.0	3,280.4	3,216.2	51.077	ES
(Offset) MCDANIEL 14-314-3 - Wellbore #1 - Wellbore #1	16,800.0	8,050.0	3,382.1	3,312.6	48.673	SF
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	16,283.8	7,445.0	3,912.2	3,847.3	60.221	CC
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	16,300.0	7,445.0	3,912.3	3,847.2	60.119	ES
(Offset) MCDANIEL 14-3A14-3A - Wellbore #1 - Wellbore	17,600.0	7,445.0	4,127.7	4,054.4	56.311	SF
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	16,471.6	7,476.0	3,908.0	3,841.3	58.668	CC
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	16,500.0	7,476.0	3,908.1	3,841.3	58.511	ES
(Offset) MCDANIEL 14-3B14-3B - Wellbore #1 - Wellbore	17,800.0	7,476.0	4,127.6	4,052.8	55.190	SF
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	15,546.4	7,425.0	3,891.8	3,832.3	65.436	CC
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	15,600.0	7,425.0	3,892.2	3,832.3	64.973	ES
(Offset) MCDANIEL 14-3C14-3C - Wellbore #1 - Wellbore	16,900.0	7,425.0	4,120.5	4,051.5	59.718	SF
(Offset) MCDANIEL 14-4A14-4A - Wellbore #1 - Wellbore	16,312.8	8,240.0	3,469.4	3,377.1	37.604	CC, ES
(Offset) MCDANIEL 14-4A14-4A - Wellbore #1 - Wellbore	17,200.0	8,240.0	3,581.0	3,481.2	35.862	SF
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	15,642.4	7,490.0	4,130.7	4,050.3	51.348	CC
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	15,700.0	7,490.0	4,131.1	4,050.0	50.940	ES
(Offset) MCDANIEL 14-4B14-4B - Wellbore #1 - Wellbore	17,100.0	7,490.0	4,380.4	4,286.2	46.541	SF
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	15,449.0	8,190.0	3,484.4	3,398.9	40.769	CC
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	15,500.0	8,190.0	3,484.8	3,398.6	40.441	ES
(Offset) MCDANIEL 14-4C14-4C - Wellbore #1 - Wellbore	16,600.0	8,190.0	3,669.6	3,571.1	37.254	SF
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	14,990.9	7,550.0	4,113.7	4,038.7	54.859	CC
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	15,000.0	7,550.0	4,113.7	4,038.6	54.776	ES
(Offset) MCDANIEL 14-5A14-5A - Wellbore #1 - Wellbore	16,700.0	7,550.0	4,454.6	4,361.2	47.692	SF
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	14,935.2	7,480.0	3,875.2	3,819.4	69.403	CC
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	15,000.0	7,480.0	3,875.8	3,819.3	68.677	ES
(Offset) MCDANIEL 14-6A14-6A - Wellbore #1 - Wellbore	16,800.0	7,480.0	4,300.6	4,227.8	59.057	SF
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	14,591.1	8,405.0	3,387.0	3,332.2	61.817	CC
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	14,600.0	8,405.0	3,387.0	3,332.1	61.736	ES
(Offset) MCDANIEL 14-714-7 - Wellbore #1 - Wellbore #	16,100.0	8,405.0	3,707.8	3,639.9	54.587	SF
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	14,581.5	8,301.0	4,081.9	4,014.3	60.397	CC
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	14,600.0	8,301.0	4,082.0	4,014.2	60.259	ES
(Offset) MCDANIEL 14-814-8 - Wellbore #1 - Wellbore #	16,100.0	8,301.0	4,355.2	4,275.7	54.753	SF
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	16,032.3	8,520.0	4,251.1	4,133.1	36.005	CC
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	16,100.0	8,520.0	4,251.7	4,132.6	35.705	ES
(Offset) MCDANIEL 15-115-1 - Wellbore #1 - Wellbore #1	17,500.0	8,520.0	4,497.3	4,360.7	32.906	SF
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	16,371.5	7,910.0	4,775.1	4,658.9	41.075	CC
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	16,400.0	7,910.0	4,775.2	4,658.6	40.943	ES
(Offset) MCDANIEL 15-1A15-1A - Wellbore #1 - Wellbore	17,800.0	7,910.0	4,984.2	4,851.2	37.462	SF
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	15,736.9	7,900.0	4,754.3	4,645.0	43.499	CC
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	15,800.0	7,900.0	4,754.8	4,644.6	43.168	ES
(Offset) MCDANIEL 15-1B15-1B - Wellbore #1 - Wellbore	17,200.0	7,900.0	4,974.4	4,847.3	39.136	SF
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	15,568.1	8,580.0	4,196.5	4,085.0	37.635	CC
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	15,600.0	8,580.0	4,196.7	4,084.7	37.484	ES
(Offset) MCDANIEL 15-1C15-1C - Wellbore #1 - Wellbore	17,100.0	8,580.0	4,467.4	4,337.1	34.277	SF
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	18,592.5	8,600.0	3,553.7	3,438.5	30.832	CC
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	18,600.0	8,600.0	3,553.7	3,438.4	30.810	ES
(Offset) MCDANIEL FED 11-1211-12 - Wellbore #1 - Wel	19,300.0	8,600.0	3,623.5	3,501.7	29.766	SF
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	17,285.9	8,560.0	3,552.1	3,449.1	34.479	CC
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	17,300.0	8,560.0	3,552.1	3,448.9	34.413	ES
(Offset) MCDANIEL FED 11-1311-13 - Wellbore #1 - Wel	18,300.0	8,560.0	3,694.0	3,579.1	32.146	SF
(offset) McDaniel Fed 11-5 - Wellbore #1 - Wellbore #1	19,922.0	8,945.0	3,473.4	3,346.7	27.429	CC, ES
(offset) McDaniel Fed 11-5 - Wellbore #1 - Wellbore #1	20,500.0	8,945.0	3,521.1	3,389.8	26.815	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 - Slot A-2
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 #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
CCR Offset Pad						
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	19,873.9	8,095.0	4,007.4	3,911.8	41.912	CC
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	19,900.0	8,095.0	4,007.5	3,911.8	41.872	ES
(Offset) MCDANIEL FED 11-611-6 - Wellbore #1 - Wellbc	20,300.0	8,095.0	4,030.0	3,933.0	41.581	SF
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	17,967.1	7,873.0	4,189.3	4,086.7	40.860	CC
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	18,000.0	7,873.0	4,189.4	4,086.5	40.714	ES
(Offset) MCDANIEL FEDERAL 11-11-12C - Wellbore #1 -	19,200.0	7,873.0	4,366.9	4,253.0	38.331	SF
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	16,774.7	7,980.0	4,143.9	4,048.9	43.609	CC
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	16,800.0	7,980.0	4,144.0	4,048.7	43.460	ES
(Offset) MCDANIEL FEDERAL 11-11-13C - Wellbore #1 -	18,200.0	7,980.0	4,382.2	4,271.7	39.649	SF
(Offset) MCDANIEL FEDERAL 12-12-13 - Wellbore #1 - \						Out of range
(Offset) MCDANIEL11-14C11-14C - Wellbore #1 - Wellbc	16,745.9	7,525.0	3,913.2	3,844.3	56.811	CC, ES
(Offset) MCDANIEL11-14C11-14C - Wellbore #1 - Wellbc	17,900.0	7,525.0	4,079.8	4,004.6	54.203	SF
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	15,986.8	7,465.0	4,159.6	4,077.5	50.623	CC
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	16,000.0	7,465.0	4,159.7	4,077.3	50.540	ES
(Offset) McDaniels 14-4 - Wellbore #1 - Wellbore #1	17,300.0	7,465.0	4,362.0	4,268.6	46.726	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	15,821.5	8,099.0	3,666.0	3,539.3	28.926	CC, ES
(P&A) Griffin 14-2 - OH - OH	17,500.0	8,099.0	4,032.0	3,884.2	27.288	SF
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,699.9	11,480.9	1,829.0	1,486.7	5.343	CC
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,700.0	11,480.9	1,829.0	1,486.7	5.343	ES
(P&A) McDaniel 1-11 - Wellbore #1 - Wellbore #1	18,800.0	11,483.6	1,831.8	1,488.8	5.340	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 - Slot A-2
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 #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
CCR Offset Pad - 2						
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbo	1,891.1	2,101.6	2,443.1	2,426.0	143.493	CC
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbo	1,900.0	2,108.8	2,443.1	2,426.0	143.033	ES
(Offset) Brush Creek Ranch 14-11 - Wellbore #1 - Wellbo	8,100.0	8,258.0	2,557.4	2,502.4	46.505	SF
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	19,455.7	7,985.0	4,781.5	4,664.6	40.921	CC
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	19,500.0	7,985.0	4,781.7	4,664.4	40.753	ES
(offset) Griffith 11-8B - Wellbore #1 - Wellbore #1	20,700.0	7,985.0	4,940.7	4,812.5	38.534	SF
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,838.1	8,565.0	4,206.7	4,074.2	31.760	CC
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	19,900.0	8,565.0	4,207.2	4,074.2	31.633	ES
(Offset) McDaniel 11-8 - Wellbore #1 - Wellbore #1	20,500.0	8,565.0	4,258.5	4,121.2	31.035	SF
(Offset) McDaniel 11-9A - Wellbore #1 - Wellbore #1	18,807.2	7,674.0	4,724.1	4,615.7	43.600	CC, ES
(Offset) McDaniel 11-9A - Wellbore #1 - Wellbore #1	19,800.0	7,674.0	4,827.3	4,712.4	42.012	SF
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,254.3	8,290.0	4,004.4	3,898.6	37.846	CC
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,300.0	8,290.0	4,004.7	3,898.2	37.623	ES
(Offset) McDaniel Fed 11-3 - Wellbore #1 - Wellbore #1	21,460.2	8,290.0	4,009.7	3,901.1	36.918	SF
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	2,824.0	3,819.3	3,678.8	3,634.4	82.761	CC
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	3,400.0	4,421.0	3,684.7	3,631.6	69.371	ES
Gunderson 0994-14-10E - Wellbore #1 - Wellbore #1	8,100.0	8,870.0	3,996.4	3,912.8	47.775	SF
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	3,428.0	4,496.2	3,489.5	3,435.1	64.086	CC
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	3,900.0	4,997.0	3,493.6	3,432.1	56.795	ES
Gunderson 0994-14-11E - Wellbore #1 - Wellbore #1	7,500.0	8,322.0	3,685.4	3,602.9	44.698	SF
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	4,364.3	5,510.4	3,142.7	3,074.9	46.328	CC
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	4,700.0	5,842.0	3,143.4	3,072.5	44.325	ES
Gunderson 0994-14-12E - Wellbore #1 - Wellbore #1	7,400.0	8,330.0	3,334.1	3,252.6	40.917	SF
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	4,856.3	5,961.9	2,469.3	2,402.7	37.079	CC
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	4,900.0	5,992.6	2,469.4	2,402.6	36.954	ES
Gunderson 0994-14-15E - Wellbore #1 - Wellbore #1	7,200.0	8,237.3	2,595.4	2,518.8	33.873	SF
Gunderson 0994-14-16E - Wellbore #1 - Wellbore #1	5,161.4	6,250.8	2,263.2	2,198.1	34.786	CC, ES
Gunderson 0994-14-16E - Wellbore #1 - Wellbore #1	7,800.0	8,763.4	2,450.6	2,374.7	32.271	SF
Gunderson 0994-14-17E - Wellbore #1 - Wellbore #1	5,032.5	6,123.0	2,021.9	1,962.0	33.712	CC, ES
Gunderson 0994-14-17E - Wellbore #1 - Wellbore #1	7,300.0	8,258.4	2,179.8	2,109.4	30.966	SF

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



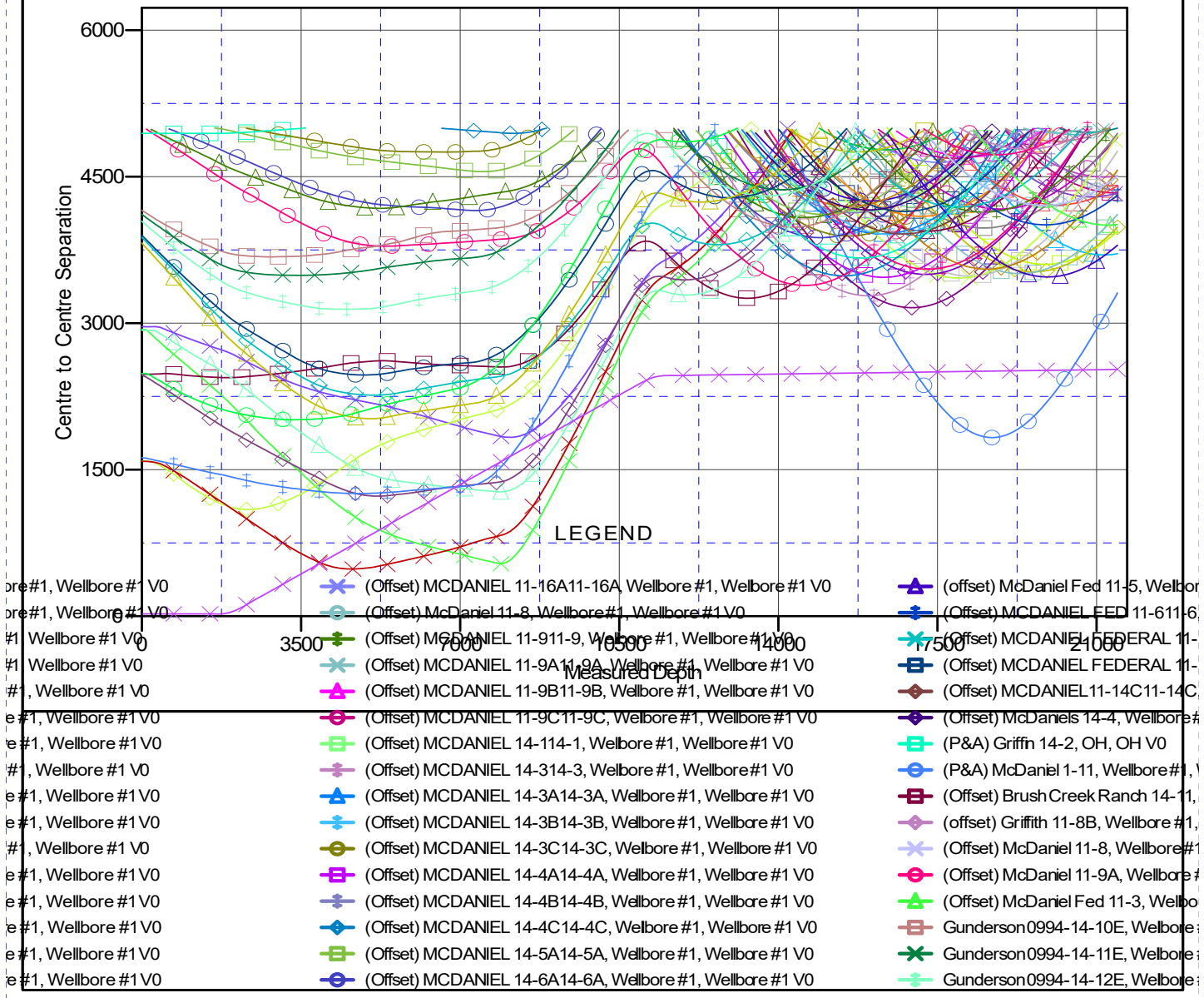
Anticollision Summary Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1 - Slot A-2
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 #1	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 - Slot A-2
 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°

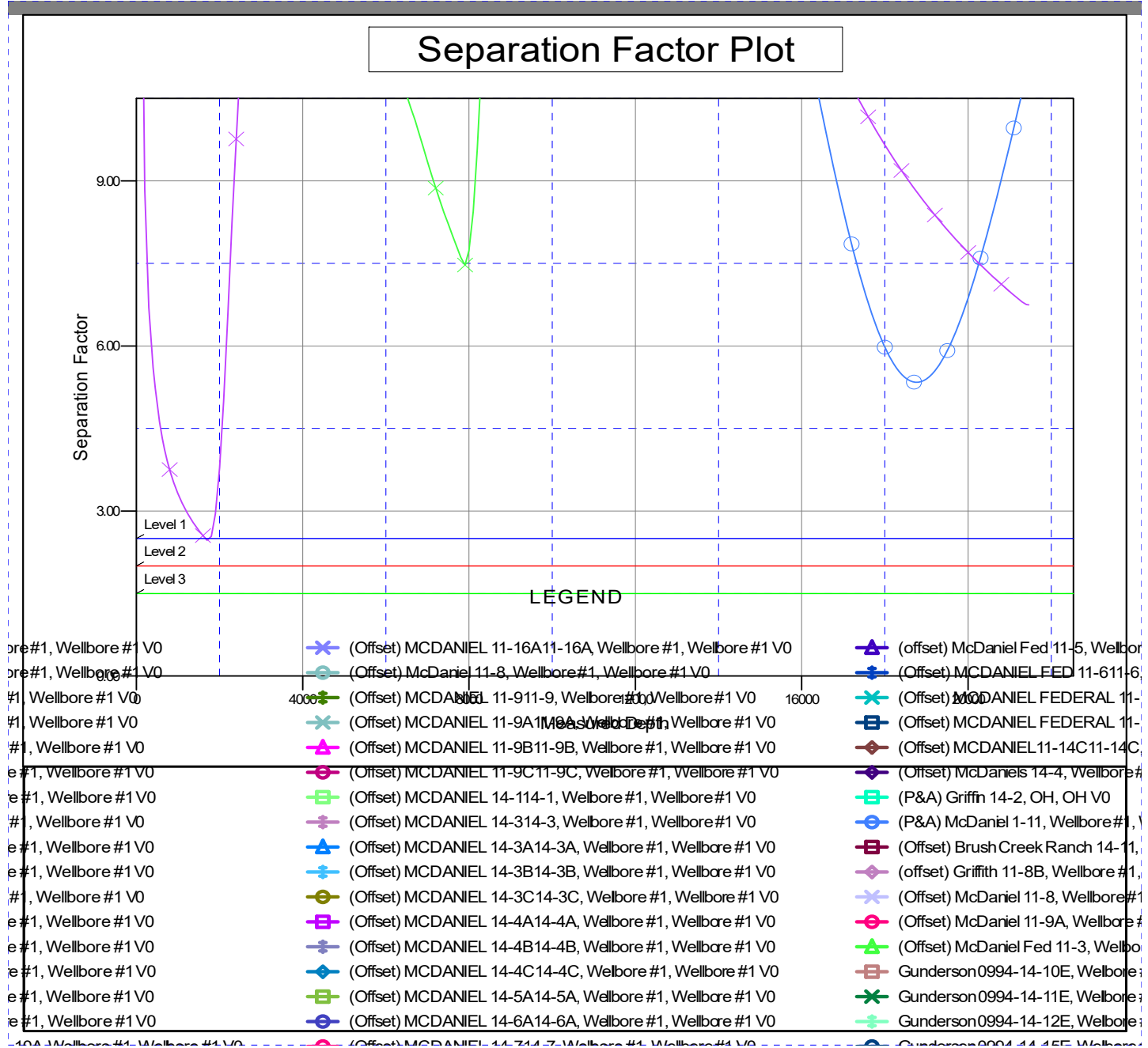
Ladder Plot





Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well CCR FED 0994-11-A3-HN1 - Slot A-2
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 #1	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 - Slot A-2
 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