

Crestone Peak Resources

DJ BASIN

S21-T2N-R68W

DREAM WEAVER North 3D-21H-N268

OH

PLAN #2

Anticollision Summary Report

23 July, 2018

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users 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:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	7/23/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	500.00	PLAN #2 (OH)	VESSI_GYROFLEX	VESSI Gyroflex Gyro
2,001.00	19,691.42	PLAN #2 (OH)	MWD+HDGM	OWSG MWD + HDGM

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
S21-T2N-R68W						
DREAM WEAVER North 3A-21H-N268 - OH - PLAN #2	200.00	200.00	36.43	35.94	74.295	CC, ES
DREAM WEAVER North 3A-21H-N268 - OH - PLAN #2	19,691.42	19,727.36	671.30	289.24	1.757	SF
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	368.79	368.80	24.27	23.19	22.356	CC
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	19,691.42	19,884.15	372.59	10.72	1.030	Level 2, ES, SF
DREAM WEAVER North 3C-21H-N268 - OH - PLAN #3	472.93	472.94	12.11	10.65	8.333	CC
DREAM WEAVER North 3C-21H-N268 - OH - PLAN #3	19,691.42	19,610.38	378.38	-0.06	1.000	Level 1, ES, SF
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	619.22	619.18	11.85	9.89	6.034	CC
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	19,600.00	19,494.19	287.58	-77.13	0.789	Level 1, ES, SF
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	675.32	675.21	23.69	21.53	10.963	CC
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	19,600.00	19,695.25	346.06	-16.24	0.955	Level 1, ES, SF
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	714.74	714.54	35.53	33.23	15.456	CC, ES
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	19,506.65	19,429.08	538.27	157.17	1.412	Level 3, SF
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	747.98	747.67	47.37	44.96	19.611	CC, ES
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	19,600.00	19,415.53	888.15	506.90	2.330	SF
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	200.00	200.00	60.71	60.22	123.824	CC, ES
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	19,600.00	19,633.61	1,228.90	844.62	3.198	SF
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	200.00	200.00	72.86	72.37	148.589	CC, ES
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	6,400.00	6,246.56	1,300.82	1,264.79	36.109	SF
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	200.00	200.00	85.00	84.51	173.353	CC, ES
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	5,900.00	5,731.94	1,293.63	1,261.59	40.379	SF
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #1	697.98	707.68	42.52	40.22	18.543	CC
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	700.00	709.63	42.52	40.22	18.490	ES
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	8,500.00	7,518.93	569.15	519.84	11.543	SF
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #2	773.29	784.64	45.90	43.32	17.810	CC, ES
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #2	8,500.00	7,550.00	271.08	222.18	5.544	SF
DREAM WEAVER South 3C-21H-N268 - OH - PLAN #1	813.38	826.03	65.48	62.77	24.128	CC, ES
DREAM WEAVER South 3C-21H-N268 - OH - PLAN #1	7,650.33	8,158.83	141.95	95.61	3.063	SF
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	894.55	906.93	69.90	66.91	23.382	CC
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	900.00	912.34	69.91	66.90	23.238	ES
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #1	7,700.00	8,168.54	183.40	137.63	4.006	SF
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	1,165.25	1,176.12	119.32	115.41	30.488	CC, ES
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	7,400.00	8,304.20	486.10	439.54	10.440	SF
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	1,003.56	1,015.59	95.31	91.95	28.357	CC, ES
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	8,400.00	7,565.68	640.96	595.23	14.015	SF

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

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Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Summary						
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S21-T2N-R68W						
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	1,161.06	1,170.05	133.71	129.81	34.294	CC, ES
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	7,400.00	8,365.68	839.27	793.04	18.157	SF
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	1,050.15	1,058.32	151.61	148.11	43.278	CC, ES
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	7,200.00	8,404.82	1,130.88	1,084.10	24.175	SF
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	935.06	941.29	173.96	170.87	56.246	CC, ES
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	1,300.00	1,287.66	210.46	206.09	48.133	SF
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	857.60	863.09	189.91	187.09	67.372	CC, ES
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	1,300.00	1,282.59	238.70	234.32	54.534	SF
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	770.98	775.95	205.78	203.26	81.739	CC, ES
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	1,300.00	1,276.40	270.12	265.73	61.548	SF

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Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
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Summary						
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S21-T2N-R68W (OFFSETS)						
ARTHUR STROMQUIST 2 - KMG WELL - GYRO	10,280.92	7,384.47	277.42	216.86	4.581	CC, ES
ARTHUR STROMQUIST 2 - KMG WELL - GYRO	10,300.00	7,384.99	278.07	216.94	4.549	SF
BLISS 41-21 - KPK WELL - SURVEYS						Out of range
BOULDER CREEK 9-4K8 - SNYDER OIL - NO SURVEY						Out of range
BROWN C UNIT 1 - CPR WELL - GYRO						Out of range
CANINO 1 - HUGHES C W-SOTEXCO 1 - NO SURVEY						Out of range
CHAMPLIN 41-4/1-68/ 1 - KMG WELL - NO SURVEYS						Out of range
CHAMPLIN 86 AMOCO B 2 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO UT/Q 1 - KMG WELL - GYRO						Out of range
CHAMPLIN 86 AMOCO-B 1 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-B 3 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-B 4 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-B 5 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-B 6 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-F 5 - KPK WELL - NO SURVEY						Out of range
CHAMPLIN 86 AMOCO-O 9 - KMG WELL - GYRO						Out of range
CHAMPLIN32-4/1-68/ 2 - KMG WELL - NO SURVEYS						Out of range
CHMPLN 86 AMOCO-F 1 - KPK WELL - NO SURVEYS						Out of range
COLCLASURE 42-21 - KPK WELL - NO SURVEYS						Out of range
COOLEY 11-16 - KMG WELL - SURVEYS	14,257.01	7,593.53	1,147.57	1,015.64	8.699	CC, ES
COOLEY 11-16 - KMG WELL - SURVEYS	14,400.00	7,597.96	1,156.43	1,022.88	8.659	SF
COOLEY 12-16 - KMG WELL - SURVEYS	14,198.92	7,554.46	167.33	37.46	1.288	Level 3, CC
COOLEY 12-16 - KMG WELL - SURVEYS	14,200.00	7,554.47	167.33	37.36	1.287	Level 3, ES, SF
COOLEY 13-16 - KMG WELL - SURVEYS	12,728.27	7,464.47	284.20	182.45	2.793	CC, ES, SF
COOLEY 14-16 - KMG WELL - SURVEYS	12,775.03	7,530.05	1,292.84	1,190.03	12.575	CC, ES
COOLEY 14-16 - KMG WELL - SURVEYS	12,800.00	7,529.08	1,293.08	1,190.20	12.569	SF
COOLEY 22-16 - KMG WELL - SURVEYS	14,830.67	7,624.61	454.31	306.03	3.064	CC, ES, SF
COOLEY 23-16 - KMG WELL - SURVEYS						Out of range
COOLEY 35-16 - KMG WELL - SURVEYS	12,323.60	7,473.54	534.91	435.53	5.382	CC, ES, SF
COPPER 31-15 - KMG WELL - SURVEYS						Out of range
CPC 31-4 (1-68) 3 - ANADARKO WELL - NO SURVEYS						Out of range
CPC 42-4 (1-68) 4 - ANADARKO WELL - NO SURVEYS						Out of range
DOMENICO 1 - NOBLE WELL - GYRO						Out of range
DUCKWORTH 31-16 - CPR WELL - GYRO						Out of range
DUCKWORTH 32-16 - CPR WELL - SURVEYS						Out of range
DUCKWORTH 33-16 - CPR WELL - SURVEYS						Out of range
DUCKWORTH 41-16 - CPR WELL - SURVEYS						Out of range
DUCKWORTH 43-16 - CPR WELL - GYRO						Out of range
DUCKWORTH 44-16 - CPR WELL - SURVEYS						Out of range
DUCKWORTH 6-0-16 - CPR WELL - SURVEYS						Out of range
DUCKWORTH B UNIT 1 - CPR WELL - GYRO						Out of range
DUCKWORTH B UNIT 2 - CPR WELL - GYRO						Out of range
EAST RINN 0-4-15 - CPR WELL - SURVEYS						Out of range
EAST RINN 13-15 - CPR WELL - SURVEYS						Out of range
EDITH ANN 1 - CPR WELL - GYRO						Out of range
EDITH ANN 33-21 - CPR WELL - GYRO						Out of range
EDITH ANN 34-21 - CPR WELL - GYRO						Out of range
EDITH ANN 4-21 - CPR WELL - SURVEYS						Out of range
EDITH ANN 44-21 - CPR WELL - GYRO						Out of range
EDITH ANN 6-8-21 - CPR WELL - SURVEYS						Out of range
EDITH ANN 8-8-21 - CPR WELL - SURVEYS						Out of range

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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
S21-T2N-R68W (OFFSETS)						
EDITH ANN-DUCKWORTH 4A-21H-O268 - CPR - FINAL						Out of range
EDITH ANN-DUCKWORTH 4B-21H-O268 - CPR - FINAL						Out of range
EDITH ANN-DUCKWORTH 4C-21H-O268 - CPR - FINA						Out of range
EDITH ANN-DUCKWORTH 4D-21H-O268 - CPR - FINA						Out of range
EDITH ANN-DUCKWORTH 4E-21H-O268 - CPR - FINAL						Out of range
EDITH ANN-DUCKWORTH 4F-21H-O268 - CPR - FINAL						Out of range
EDITH ANN-DUCKWORTH 4G-21H-O268 - CPR - FINA						Out of range
EDITH ANN-DUCKWORTH 4H-21H-O268 - CPR - FINA						Out of range
ERIE CORP 42-4 - KMG WELL - NO SURVEYS						Out of range
EVERIST 12-10 - KMG WELL - SURVEYS						Out of range
EVERIST 12-10X - KMG WELL - NO SURVEYS						Out of range
EVERIST 13-10 - KMG WELL - SURVEYS						Out of range
EVERIST 33-10 - KMG WELL - SURVEYS						Out of range
FAIRVIEW 1 - EXTRACTION WELL - NO SURVEYS						Out of range
FAIRVIEW 3 - EXTRACTION O&G LLC - SURVEYS						Out of range
FAIRVIEW 4 - EXTRACTION O&G LLC - SURVEYS						Out of range
FAIRVIEW 5 - EXTRACTION O&G LLC - SURVEYS						Out of range
FILE 1-17 - CPR WELL - SURVEYS						Out of range
FILE 31-17 - CPR WELL - SURVEYS						Out of range
FILE 32-17 - CPR WELL - SURVEYS						Out of range
FILE 41-17 - CPR WELL - SURVEYS						Out of range
FILE 42-17 - CPR WELL - NO SURVEYS						Out of range
FILE 4-2-17 - CPR WELL - SURVEYS						Out of range
FILE 42-17X - CPR WELL - SURVEYS						Out of range
FILE 6-0-17 - CPR WELL - SURVEYS						Out of range
FILE 8-2-17 - CPR WELL - SURVEYS	16,025.15	7,681.70	903.99	749.03	5.834	CC, ES
FILE 8-2-17 - CPR WELL - SURVEYS	16,100.00	7,681.36	907.08	750.22	5.783	SF
FREDERICKS 13-27 - KMG WELL - NO SURVEYS						Out of range
FREDERICKS 13-27X - KMG WELL - SURVEYS						Out of range
GARVER U 34-5JI - KMG WELL - NO SURVEYS						Out of range
HINGLEY 1 - KPK WELL - NO SURVEYS						Out of range
HINGLEY 2 - KPK WELL - NO SUREYS						Out of range
HSR-STROMQUIST 14-21 - KMG WELL - GYRO	1,532.04	1,505.33	177.02	171.82	34.084	CC, ES
HSR-STROMQUIST 14-21 - KMG WELL - GYRO	8,100.00	7,395.29	713.71	677.55	19.737	SF
JACK A MLEYNEK 2 - KPK WELL - NO SURVEYS						Out of range
JACK MLEYNEK 1 - KPK WELL - NO SURVEYS						Out of range
JACK MLEYNEK 3 - KPK WELL - NO SURVEYS						Out of range
JACK MLEYNEK 4 - KPK WELL - NO SURVEYS						Out of range
JACK MLEYNEK 5 - KPK WELL - NO SURVEYS						Out of range
JILLSON 0-6-22 - CPR WELL - SURVEYS						Out of range
JILLSON 1 - KPK WELL - NO SURVEYS						Out of range
JILLSON 11-22 - CPR WELL - GYRO						Out of range
JILLSON 12-22 - CPR WELL - GYRO						Out of range
JILLSON 14-22 - CPR WELL - GYRO						Out of range
JILLSON 3 - KPK WELL - NO SURVEYS						Out of range
JILLSON 5 - KPK WELL - NO SURVEYS						Out of range
JILLSON A 1 - KPK WELL - NO SURVEYS						Out of range
JILLSON A 2 - KPK WELL - NO SURVEYS						Out of range
JILLSON A 3 - KPK WELL - NO SURVEYS						Out of range
JILLSON A 4 - KPK WELL - NO SURVEYS						Out of range
JILLSON-EAST RINN 3A-22H-M268 - CPR WELL - SUR						Out of range

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S21-T2N-R68W (OFFSETS)						
JILLSON-EAST RINN 3B-22H-M268 - CPR WELL - SUR						Out of range
JILLSON-EAST RINN 3C-22H-M268 - CPR WELL - SUR						Out of range
KENNEDY 1 - MACEY & MERSHON WELL - NO SURVE						Out of range
KENNEDY 31-21 - CPR WELL - GYRO						Out of range
KENNEDY 32-21 - CPR WELL - GYRO						Out of range
KENNEDY 41-21 - CPR WELL - GYRO						Out of range
KENNEDY 4-2-21 - CPR WELL - SURVEYS						Out of range
KENNEDY 6-0-21 - CPR WELL - SURVEYS						Out of range
KENNEDY 6-4-21 - CPR WELL - SURVEYS						Out of range
KENNEDY 8-0-21 - CPR WELL - SURVEYS						Out of range
KENNEDY GAS UNIT 1 - CPR WELL - GYRO						Out of range
LONGMONT 8-10K - TOP OPERATING WELL - NO SUR						Out of range
LONGMONT FARMS 1 - KPK WELL - NO SURVEYS						Out of range
LONGMONT FARMS 3 - KPK WELL - NO SURVEYS						Out of range
MAX SERAFINI 1 - KPK WELL - NO SURVEYS						Out of range
MAX SERAFINI C 1 - KPK WELL - NO SURVEYS						Out of range
MILES 1 - KPK WELL - NO SURVEYS						Out of range
MILES 33-3M - KMG WELL - GYRO						Out of range
MILES 4 - KPK WELL - NO SURVEYS						Out of range
MILES 5 - KPK WELL - NO SURVEYS						Out of range
MILES JOSEPHINE 1 - KPK WELL - NO SURVEYS						Out of range
MILES JOSEPHINE 2 - KPK WELL - NO SURVEYS						Out of range
MILES JOSEPHINE B 1 - KPK WELL - NO SURVEYS						Out of range
MILLER 12-27 - CPR WELL - GYRO						Out of range
MILTON NELSON 1 - KPK WELL - NO SURVEYS	500.00	481.00	848.21	846.47	488.813	CC, ES
MILTON NELSON 1 - KPK WELL - NO SURVEYS	3,500.00	3,432.61	1,310.23	1,295.95	91.731	SF
MILTON NELSON UN-C 1 - KPK WELL - NO SURVEYS	5,371.33	5,227.00	310.88	283.37	11.298	CC, ES
MILTON NELSON UN-C 1 - KPK WELL - NO SURVEYS	5,400.00	5,227.00	312.20	284.47	11.259	SF
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	1,952.51	1,916.55	481.38	473.80	63.524	CC
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	2,000.00	1,963.17	481.47	473.70	61.966	ES
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	5,100.00	4,977.00	810.20	785.86	33.290	SF
MLEYNEK 28-10M - KMG WELL - GYRO						Out of range
MLEYNEK U 28-10JI - KMG WELL - GYRO						Out of range
MLEYNEK U 28-15JI - KMG WELL - GYRO						Out of range
MORGAN-A 4 - KPK WELL - NO SURVEYS						Out of range
NELSON 42-33 /2-68/ 2 - ANADARKO WELL - NO SURV						Out of range
NELSON DUANE E 41-33 (2-68) 1 - CHAMPLIN PETRO						Out of range
NELSON DUANE E 41-33 (2-68) 1-X - KMG WELL - NO						Out of range
NELSON E UNIT 2 - CPR WELL - GYRO						Out of range
NELSON MILTON H 'D' 1 - KMG WELL - GYRO						Out of range
NELSON MILTON H 'M' 1 - KMG WELL - GYRO						Out of range
NELSON MILTON-F 1 - KPK WELL - NO SURVEYS						Out of range
NORTH RINN 0-4-9 - CPR WELL - SURVEYS	19,691.42	7,714.05	869.70	676.21	4.495	CC, ES, SF
NORTH RINN 0-6-9 - CPR WELL - SURVEYS	18,827.17	7,488.24	854.78	658.93	4.365	CC, ES
NORTH RINN 0-6-9 - CPR WELL - SURVEYS	18,900.00	7,487.74	857.87	660.54	4.347	SF
NORTH RINN 0-8-9 - CPR WELL - SURVEYS	17,514.02	7,624.90	827.95	643.28	4.483	CC, ES, SF
NORTH RINN 13-9 - CPR WELL - SURVEYS	19,497.68	7,469.06	181.84	-28.34	0.865	Level 1, CC
NORTH RINN 13-9 - CPR WELL - SURVEYS	19,500.00	7,469.07	181.86	-28.50	0.864	Level 1, ES, SF
NORTH RINN 14-9 - CPR WELL - SURVEYS	18,101.49	7,425.45	221.33	36.03	1.194	Level 2, CC, ES, SF
NORTH RINN 24-9 - CPR WELL - SURVEYS	18,235.09	7,475.77	1,129.20	942.10	6.035	CC, ES, SF
NORTH RINN 2-4-9 - CPR WELL - SURVEYS	19,678.30	7,558.79	662.46	479.86	3.628	CC, ES

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #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						
S21-T2N-R68W (OFFSETS)						
NORTH RINN 2-4-9 - CPR WELL - SURVEYS	19,691.42	7,558.74	665.09	479.93	3.592	SF
NORTH RINN 2-6-9 - CPR WELL - SURVEYS	18,756.24	7,362.79	191.82	-1.04	0.995	Level 1, CC, ES, SF
OSKARSON 1 - HRM RES II LLC - NO SURVEYS						Out of range
OSKARSON 2 - ENERVEST OP - NO SURVEYS						Out of range
OSKARSON 24-33 - CPR WELL - GYRO						Out of range
OSKARSON 2-8-33 - CPR WELL - SURVEYS						Out of range
OSKARSON 3 - HRM RES II LLC - NO SURVEYS						Out of range
OSKARSON-E 1 - CPR WELL - GYRO						Out of range
OSKARSON-E 2 - CPR WELL - NO SURVEYS						Out of range
RASMUSSEN 3 - PETERSON ENERGY - GYRO						Out of range
RASMUSSEN 1 - PETERSON - GYRO						Out of range
RASMUSSEN 11-28 - CPR WELL - SURVEYS	6,837.06	7,038.82	890.10	841.92	18.473	CC, ES
RASMUSSEN 11-28 - CPR WELL - SURVEYS	6,900.00	7,100.32	892.91	844.49	18.441	SF
RASMUSSEN 12-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 2 - PETERSON ENERGY - NO SURVEYS						Out of range
RASMUSSEN 21-28 - CPR WELL - GYRO	6,546.63	6,446.54	1,305.86	1,272.77	39.466	CC
RASMUSSEN 21-28 - CPR WELL - GYRO	6,700.00	6,593.68	1,306.40	1,272.29	38.306	ES
RASMUSSEN 21-28 - CPR WELL - GYRO	6,800.00	6,691.08	1,309.85	1,275.10	37.704	SF
RASMUSSEN 22-28 - CPR WELL - GYRO						Out of range
RASMUSSEN 2-4-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 31-28 - CPR WELL - GYRO						Out of range
RASMUSSEN 32-28 32-28 - CPR WELL - GYRO						Out of range
RASMUSSEN 4-0-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 41-28 - CPR WELL - GYRO						Out of range
RASMUSSEN 42-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 4-2-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 4-4-28 - CPR WELL - SURVEYS						Out of range
RASMUSSEN 44-29 - KPK WELL - NO SURVEYS						Out of range
RASMUSSEN 4-A - PETERSON ENERGY - GYRO	5,300.21	4,960.00	1,295.87	1,273.75	58.584	CC, ES
RASMUSSEN 4-A - PETERSON ENERGY - GYRO	5,500.00	4,960.00	1,311.18	1,288.49	57.800	SF
RASMUSSEN C" 2" - CPR WELL - GYRO						Out of range
RASMUSSEN-C-UNIT 1 - CPR WELL - GYRO						Out of range
RODGERS 1 - KPK WELL - NO SURVEYS						Out of range
SAUNDERS TRUST 8-2K8 - EXTRACTION WELL - NO SURVEYS						Out of range
SCHLAGEL 2 - EXTRACTION WELL - NO SURVEYS						Out of range
SERAFINI E MAX GU 1 - KMG WELL - GYRO	13,157.27	7,380.17	268.80	165.50	2.602	CC, ES, SF
SERAFINI-B 2 - KPK WELL - NO SURVEYS						Out of range
SHAW 1 - KPK WELL - NO SURVEYS						Out of range
SHAW 15-20 - KPK - SURVEYS						Out of range
SHAW 16-20 - KPK - SURVEYS						Out of range
STROMQUIST 1 - KPK WELL - NO SURVEYS						Out of range
STROMQUIST 11-21 - KMG WELL - GYRO	528.20	520.62	867.72	866.07	526.049	CC, ES
STROMQUIST 11-21 - KMG WELL - GYRO	9,000.00	7,382.99	1,315.00	1,271.48	30.218	SF
STROMQUIST 13-21 - KMG WELL - GYRO	6,007.50	5,907.10	47.75	18.96	1.659	CC, ES, SF
STROMQUIST 22-21 - KMG WELL - SURVEYS	9,400.00	7,475.52	548.55	492.78	9.837	SF
STROMQUIST 22-21 - KMG WELL - SURVEYS	9,445.00	7,477.53	546.71	491.20	9.849	CC, ES
STROMQUIST 23-21 - KMG WELL - SURVEYS	1,543.10	1,524.37	516.75	510.69	85.318	CC
STROMQUIST 23-21 - KMG WELL - SURVEYS	1,600.00	1,579.54	516.94	510.65	82.143	ES
STROMQUIST 23-21 - KMG WELL - SURVEYS	3,400.00	3,285.29	743.32	730.27	56.936	SF
STROMQUIST 34-21 - KMG WELL - SURVEYS	7,108.88	7,053.77	817.84	781.97	22.796	CC, ES, SF
STROMQUIST 35-21 - KMG WELL - SURVEYS	4,052.08	4,016.54	485.88	463.07	21.302	CC

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users 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
S21-T2N-R68W (OFFSETS)						
STROMQUIST 35-21 - KMG WELL - SURVEYS	4,100.00	4,059.52	486.02	462.83	20.962	ES
STROMQUIST 35-21 - KMG WELL - SURVEYS	6,500.00	6,466.59	529.34	487.80	12.744	SF
TRAVELERS 28-11M - KMG WELL - GYRO						Out of range
TRAVELERS U 28-13DI - KMG WELL - GYRO						Out of range
UPRC 33-1M - KMG WELL - GYRO						Out of range
UPRR 43 PAN AM-B 7 - KPK WELL - NO SURVEYS						Out of range
WESTERN 3-21A - KMG WELL - GYRO	11,477.27	7,379.14	1,154.56	1,076.65	14.819	CC, ES
WESTERN 3-21A - KMG WELL - GYRO	11,600.00	7,379.53	1,161.06	1,082.39	14.757	SF
WILDFLOWER 12-27 - KMG WELL - SURVEYS						Out of range
WILDFLOWER 33-27 - KMG WELL - SURVEYS						Out of range
WOOLEY UNIT 1 - KPK WELL - NO SURVEYS						Out of range

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
S32-T2N-R68W						
Anderson 22-32 - KPK WELL - NO SURVEYS						Out of range
Anderson 32-32 - CPR WELL - SURVEYS						Out of range
Anderson 41-32 - CPR - GYRO						Out of range
Anderson 4-2-32 - CPR WELL - SURVEYS						Out of range
Anderson 6-4-32 - CPR WELL - SURVEYS						Out of range
Anderson Trust 1 - KPK - NO SURVEYS						Out of range
Anderson Trust 1 A - CPR WELL - GYRO						Out of range
Anderson Trust 2-A - CPR WELL - NO SURVEYS						Out of range
Anderson Trust 32-2 - CPR WELL - GYRO						Out of range
Anderson Trust 32-8 - CPR WELL - GYRO						Out of range
Anderson Trust C 1 - CPR WELL - SURVEYS						Out of range
Anderson Trust C Unit 2 - CPR WELL - GYRO						Out of range
Brown 22-5 - CPR WELL - GYRO						Out of range
Brown 31-5 - CPR WELL - SURVEYS						Out of range
Brown 41-5 - CPR WELL - SURVEYS						Out of range
Brown 5-3 - CPR WELL - GYRO						Out of range
Brown 5-5 - CPR WELL - GYRO						Out of range
Brown C Unit 1 - CPR WELL - GYRO						Out of range
Brown C Unit 2 - CPR WELL - GYRO						Out of range
Bryant 10-30 - KMG WELL - SURVEYS						Out of range
Bryant 16-30 - KMG WELL - SURVEYS						Out of range
Bryant 20-30 - KMG WELL - SURVEYS						Out of range
Bryant 23-30 - KMG WELL - SURVEYS						Out of range
Bryant 24-30 - KMG WELL - SURVEYS						Out of range
Bryant 33-29 - KMG WELL - SURVEYS						Out of range
Bryant 36-30 - KMG WELL - SURVEYS						Out of range
Bryant 8-30 - KMG WELL - SURVEYS						Out of range
Bryant Federal 37-30 - KMG WELL - SURVEYS						Out of range
Bulthaup 1-6 - KMG WELL - GYRO						Out of range
Bulthaup 16-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 17-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 24-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 27-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 39-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 40-6 - KMG WELL - SURVEYS						Out of range
Bulthaup 8-6 - KMG WELL - GYRO						Out of range
Bulthaup 9-6 - KMG WELL - SURVEYS						Out of range
Canino 1-X - HUGHES CW - NO SURVEYS						Out of range
Champlin 86 Amoco F 6 - KPK - NO SURVEYS						Out of range
Champlin 86 N 1 - KMG WELL - GYRO						Out of range
Champlin Amoco 86 F 7 - KPK WELL - SURVEYS						Out of range
Cinque 1 - FOUNDATION WELL - NO SURVEYS						Out of range
Cinque 2 - FOUNDATION WELL - NO SURVEYS						Out of range
Cinque 4 - FOUNDATION WELL - NO SURVEYS						Out of range
FILE 3A-32H-K268 - OH - FINAL						Out of range
FILE 3B-32H-K268 - OH - FINAL						Out of range
FILE 3C-32H-K268 - OH - FINAL						Out of range
FILE 3D-32H-K268 - OH - FINAL						Out of range
FILE 3E-32H-K268 - OH - FINAL						Out of range
FILE 3F-32H-K268 - OH - FINAL						Out of range
FILE 3G-32H-K268 - OH - FINAL						Out of range

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
S32-T2N-R68W						
FILE 3H-32H-K268 - OH - FINAL						Out of range
FILE 3Q-32H-K268 - OH - FINAL						Out of range
FILE 3R-32H-K268 - OH - FINAL						Out of range
FILE 3S-32H-K268 - OH - FINAL						Out of range
FILE 3T-32H-K268 - OH - FINAL						Out of range
FILE FED 3I-32H-K268 - OH - FINAL						Out of range
FILE FED 3J-32H-K268 - OH - FINAL						Out of range
FILE FED 3K-32H-K268 - OH - FINAL						Out of range
FILE FED 3K-32H-K268 - OH - PLAN #4						Out of range
FILE FED 3L-32H-K268 - OH - FINAL						Out of range
FILE FED 3M-32H-K268 - OH - FINAL						Out of range
FILE FED 3N-32H-K268 - OH - FINAL						Out of range
FILE FED 3O-32H-K268 - OH - FINAL						Out of range
FILE FED 3P-32H-K268 - OH - FINAL						Out of range
Foster 33-5 - CPR WELL - SURVEYS						Out of range
Foster 43-5 - CPR WELL - SURVEYS						Out of range
Foster 4-5 - CPR WELL - SURVEYS						Out of range
Foster 4-6-5 - CPR WELL - SURVEYS						Out of range
Foster 6-4-5 - CPR - SURVEYS						Out of range
Foster 6-4-5X - CPR WELL - SURVEYS						Out of range
Foster 6-8-5 - CPR WELL - SURVEYS						Out of range
Foster 8-8-5 - CPR WELL - SURVEYS						Out of range
Foster E Unit 1 - CPR - GYRO						Out of range
Gene 11-5 - KERR-MCGEE - GYRO						Out of range
Hankins 1 - KPK WELL - NO SURVEYS						Out of range
Hauck 17-29 - KMG WELL - SURVEYS						Out of range
Hauck 24-29 - KMG WELL - SURVEYS						Out of range
Hauck 7-29 - KMG WELL - SURVEYS						Out of range
HSR-Bryant 9-30A - KMG WELL - GYRO						Out of range
HSR-Williams 10-20 - KMG WELL - GYRO						Out of range
HWY52 4A-32H-O268 - OH - FINAL						Out of range
HWY52 4B-32H-O268 - OH - FINAL						Out of range
HWY52 4C-32H-O268 - OH - FINAL						Out of range
HWY52 4D-32H-O268 - OH - FINAL						Out of range
HWY52 4E-32H-O268 - OH - FINAL						Out of range
HWY52 4F-32H-O268 - OH - FINAL						Out of range
HWY52 4G-32H-O268 - OH - FINAL						Out of range
HWY52 4H-32H-O268 - OH - FINAL						Out of range
HWY52 4I-32H-O268 - OH - FINAL						Out of range
HWY52 4J-32H-O268 - OH - FINAL						Out of range
HWY52 4K-32H-O268 - OH - FINAL						Out of range
HWY52 4L-32H-O268 - OH - FINAL						Out of range
HWY52 4M-32H-O268 - OH - FINAL						Out of range
HWY52 4N-32H-O268 - OH - FINAL						Out of range
HWY52 4O-32H-O268 - OH - FINAL						Out of range
HWY52 4P-32H-O268 - OH - FINAL						Out of range
HWY52 4Q-32H-O268 - OH - FINAL						Out of range
HWY52 4R-32H-O268 - OH - FINAL						Out of range
HWY52 4S-32H-O268 - OH - FINAL						Out of range
HWY52 4T-32H-O268 - OH - FINAL						Out of range
HWY52 4U-32H-O268 - OH - FINAL						Out of range

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
S32-T2N-R68W						
HWY52 4V-32H-O268 - OH - FINAL						Out of range
HWY52 4W-32H-O268 - OH - FINAL						Out of range
Jack Hein Unit 1 - HS RESOURCES WELL - NO SURVE						Out of range
John Lamar 1 - KPK WELL - NO SURVEYS						Out of range
Johnson 32-30 - KPK WELL - NO SURVEYS						Out of range
Johnson 7-30A - KMG WELL - GYRO						Out of range
Kenneth Koch 1 - KPK WELL - NO SURVEYS						Out of range
Kenyon 34-19 - CPR WELL - SURVEYS						Out of range
Kenyon 4-8-19 - CPR WELL - SURVEYS						Out of range
Kenyon 8-4-19 - CPR WELL - SURVEYS						Out of range
Kenyon 8-6-19 - CPR WELL - SURVEYS						Out of range
Kenyon 8-8-19 - CPR WELL - SURVEYS						Out of range
Koch 41-6 - KPK WELL - NO SURVEYS						Out of range
Koch Kenneth E A-1 - KMG WELL - SURVEY						Out of range
Milton H Nelson H-1 - KMG WELL - GYRO						Out of range
Milton H Nelson I1 - KMG WELL - GYRO						Out of range
Milton H Nelson L1 - KMG WELL - GYRO						Out of range
Milton Nelson K1 - KMG WELL - GYRO						Out of range
Nelson 1 - TEXAS TEA - NO SURVEYS						Out of range
Nelson 1-A - TEXAS TEA WELL - NO SURVEYS						Out of range
Nelson 2 - TEXAS TEA WELL - NO SURVEYS						Out of range
Nelson 3 - TEXAS TEA WELL - NO SURVEYS						Out of range
Nelson 4 - TEXAS TEA WELL - NO SURVEYS						Out of range
Nelson 5 - TEXAS TEA WELL - NO SURVEYS						Out of range
Nelson D2 - KPK WELL - NO SURVEYS						Out of range
Nelson E Unit 1 - CPR WELL - GYRO						Out of range
Nelson E Unit 2 - CPR WELL - GYRO						Out of range
NOAA Federal 11-32 - CPR WELL - GYRO						Out of range
Osarkson 2-8-33 - CPR WELL - SURVEYS						Out of range
Oskarson 13-33 - CPR - GYRO						Out of range
Oskarson 23-33 - CPR WELL - GYRO						Out of range
Oskarson 4 - HRM - NO SURVEYS						Out of range
Oskarson 4-4-33 - CPR WELL - SURVEYS						Out of range
Oskarson 4-6-33 - CPR WELL - SURVEYS						Out of range
Oskarson 4-8-33 - CPR WELL - SURVEYS						Out of range
Oskarson E Unit 1 - CPR WELL - GYRO						Out of range
Paquette 13-5 - KMG WELL - GYRO						Out of range
Paquette 14-5 - KERR-MCGEE - GYRO						Out of range
Rasmussen 10-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 14-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 16-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 19-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 20-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 22-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 23-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 25-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 36-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 37-29 - KMG WELL - SURVEYS						Out of range
Rasmussen 39-29 - KMG WELL - SURVEYS						Out of range
Rasmussen Fed 35-29 - KMG WELL - SURVEYS						Out of range
Ray Nelson 0-4-32 - CPR WELL - SURVEYS						Out of range

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
S32-T2N-R68W						
Ray Nelson 12-32 - CPR WELL - GYRO						Out of range
Ray Nelson 13-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 14-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 23-32 - CPR WELL - GYRO						Out of range
Ray Nelson 24-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 2-4-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 33-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 34-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 44-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 4-4-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 4-6-32 - CPR WELL - SURVEYS						Out of range
Ray Nelson 8-8-32 - CPR WELL - SURVEYS						Out of range
Regnier Farms 32-19 - CPR WELL - GYRO						Out of range
Regnier Farms 33-19 - CPR WELL - GYRO						Out of range
Regnier Farms 42-19 - CPR WELL - GYRO						Out of range
Regnier Farms 43-19 - CPR WELL - SURVEYS						Out of range
Regnier Farms B 2 - CPR WELL - GYRO						Out of range
Regnier Farms B Unit 1 - CPR WELL - GYRO						Out of range
Sawdey Unit 2 - KMG WELL - GYRO						Out of range
Schriner 11-5 - KMG WELL - GYRO						Out of range
Schriner 12-5 - KMG WELL - GYRO						Out of range
SEC Four 12-4 - KMG WELL - SURVEYS						Out of range
SEC Four 13-4 - KMG WELL - SURVEYS						Out of range
SEC Four 14-4 - KMG WELL - SURVEYS						Out of range
SEC Four 21-4 - KMG WELL - SURVEYS						Out of range
SEC Four 22-4 - KMG WELL - SURVEYS						Out of range
SEC Four 31-4 - KMG WELL - SURVEYS						Out of range
SEC Four 32-4 - KMG WELL - SURVEYS						Out of range
SEC Four 33-4 - KMG WELL - SURVEYS						Out of range
SEC Four 3-4 - KMG WELL - SURVEYS						Out of range
SEC Four 35-4 - KMG WELL - SURVEYS						Out of range
SEC Four 4-4 - KMG WELL - SURVEYS						Out of range
SEC Four 5-4 - KMG WELL - SURVEYS						Out of range
SEC Four 6-4 - KMG WELL - SURVEYS						Out of range
Shaw 11-29A - KMG WELL - SURVEYS						Out of range
Shaw 12-29A - KMG - GYRO						Out of range
Shaw 15-20 - KPK - SURVEYS						Out of range
Shaw 16-20 - KPK - SURVEYS						Out of range
Tallgrass 1-8 - KMG - SURVEYS						Out of range
Tallgrass 2-8 - KMG - SURVEYS						Out of range
Tallgrass 3-8 - KMG - SURVEYS						Out of range
Tallgrass 4-8 - KMG - SURVEYS						Out of range
Tallgrass 5-8 - KMG - SURVEYS						Out of range
Tallgrass 6-8 - KMG WELL - SURVEYS						Out of range
Williams 10-20 - KMG WELL - SURVEYS						Out of range
Williams 11-20 - KMG WELL - SURVEYS						Out of range
Williams 13-20 - KMG WELL - SURVEYS						Out of range
Williams 14-20 - KMG WELL - SURVEYS						Out of range
Williams 16-20 - KMG WELL - SURVEYS						Out of range
Williams 18-29 - KMG WELL - SURVEYS						Out of range
Williams 23-20 - KMG WELL - SURVEYS						Out of range

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

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3D-21H-N268 - Slot DREAM WEAVER North 3D-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #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						
S32-T2N-R68W						
Williams 24-20 - KMG WELL - SURVEYS						Out of range
Williams 24-20X - KMG WELL - SURVEYS						Out of range
Williams 25-20 - KMG WELL - SURVEYS						Out of range
Williams 35-20 - KMG WELL - SURVEYS						Out of range
Williams 36-20 - KMG WELL - SURVEYS						Out of range
Williams 39-20 - KMG WELL - SURVEYS	8,218.95	7,619.02	805.28	761.72	18.487	CC, ES
Williams 39-20 - KMG WELL - SURVEYS	8,600.00	7,622.90	890.87	840.21	17.584	SF
Williams 4-29 - KMG WELL - SURVEYS						Out of range
Williams 7-20 - KMG WELL - SURVEYS						Out of range
Williams 8-20 - KMG WELL - SURVEYS						Out of range
Williams 9-20 - KMG WELL - SURVEYS						Out of range
Woolley 41-7 - CPR WELL - GYRO						Out of range
Woolley 42-7 KPK - KPK WELL - SURVEYS						Out of range

Cathedral Energy Services

Anticollision Summary Report

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Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

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
S7-T1N-R68W (Woolley-S/B/Morgan Hills)						
BAILEY 8-8-1 (EXISTING) - CPR WELL - SURVEYS						Out of range
BEARDEN 0-6-6 (EXISTING) - CPR WELL - SURVEYS						Out of range
BEARDEN 1 (EXISTING) - CPR WELL - GYRO						Out of range
BEARDEN 13-6 (EXISTING) - CPR WELL - SURVEYS						Out of range
BEARDEN 14-6 (EXISTING) - CPR WELL - SURVEYS						Out of range
BEARDEN 23-6 (EXISTING) - ENCANA WELL - GYRO						Out of range
BEARDEN 24-6 (EXISTING) - CPR WELL - CPR WELL						Out of range
BEARDEN 2-4-6 (EXISTING) - CPR WELL - SURVEYS						Out of range
BEARDEN 2-8-6 (EXISTING) - CPR WELL - SURVEYS						Out of range
BECKY 1 (EXISTING) - FOUNDATION WELL - NO SUR						Out of range
BECKY 2-6 (EXISTING) - EXTRACTION WELL - GYRO						Out of range
BECKY 5-6 (EXISTING) - FOUNDATION WELL - NO SU						Out of range
BECKY 7-6 (EXISTING) - EXTRACTION WELL - GYRO						Out of range
BILLINGS 21-7 (EXISTING) - KPK WELL - SURVEYS						Out of range
BULTHAUP 10-6 (EXISTING) - KMG WELL - SURVEYS						Out of range
BULTHAUP 15-6 (EXISTING) - KMG WELL - GYRO						Out of range
BULTHAUP 17-6 (EXISTING) - KMG WELL - SURVEYS						Out of range
BULTHAUP 21-6 (EXISTING) - KMG WELL - SURVEYS						Out of range
BULTHAUP 23-6 (EXISTING) - KMG WELL - SURVEYS						Out of range
BULTHAUP 27-6 (EXISTING) - KMG WELL - SURVEYS						Out of range
CANYON CREEK 43-13 (EXISTING) - CPR WELL - SUR						Out of range
CANYON CREEK 8-6-13X (EXISTING) - CPR WELL - S						Out of range
COAL CREEK 6-0-19 (EXISTING) - CPR WELL - STK						Out of range
COAL CREEK 6-0-19 (EXISTING) - OH - SURVEYS						Out of range
COMMONS 28-19 (EXISTING) - KMG WELL - SURVEYS						Out of range
ERIE CHAMPLIN 18-9 (EXISTING) - EXISTING - SURVE						Out of range
ERIE CHAMPLIN B UNIT 1 - CPR WELL - GYRO						Out of range
ERIE CHAMPLIN B UNIT 2 - CPR WELL - GYRO						Out of range
I & J 7-6 (EXISTING) - KMG WELL - GYRO						Out of range
Morgan Hills 1A-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1B-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1C-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1D-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1E-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1F-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1G-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1H-7H-A168 - CPR - FINAL						Out of range
Morgan Hills 1I-7H-A168 - CPR - FINAL						Out of range
SOSA 11-18 (EXISTING) - CPR WELL - SURVEYS						Out of range
SOSA 12-18 (EXISTING) - CPR WELL - SURVEYS						Out of range
SOSA 21-18 (EXISTING) - CPR WELL - SURVEYS						Out of range
SOSA 22-18 (EXISTING) - CPR WELL - SURVEYS						Out of range
SOSA A UNIT 1 (EXISTING) - CPR WELL - GYRO						Out of range
TALLGRASS 33-17 (EXISTING) - KMG WELL - SURVEY						Out of range
THOMAS 14-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
THOMAS 24-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
THOMAS 2-8-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
THOMAS 33-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
THOMAS 7-12 (EXISTING) - CPR WELL - GYRO						Out of range
Thomas 7-14 (AL) - Existing - NO SURVEYS						Out of range
THOMAS E UNIT 1 (EXISTING) - CPR WELL - GYRO						Out of range

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Cathedral Energy Services

Anticollision Summary Report

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Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3D-21H-N268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
S7-T1N-R68W (Woolley-S/B/Morgan Hills)						
THOMAS E UNIT 2 - VESSELS WELL - INC ONLY						Out of range
THOMAS K UNIT 1 (EXISTING) - EXISTING - NO SURV						Out of range
WHEELER G UNIT 1 - CPR - GYRO						Out of range
WIGGETT 13-1 - CPR - GYRO						Out of range
WIGGETT 8-2-13 (EXISTING) - CPR WELL - SURVEYS						Out of range
WOOLLEY 11-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
WOOLLEY 12-7 (EXISTING) - CPR WELL - GYRO						Out of range
WOOLLEY 21-7 (EXISTING) - CPR WELL - GYRO						Out of range
WOOLLEY 22-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
WOOLLEY 2-4-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
WOOLLEY 4-0-7 (EXISTING) - CPR WELL - SURVEYS						Out of range
WOOLLEY 41-7 (EXISTING) - CPR WELL - GYRO						Out of range
WOOLLEY 42-7 (EXISTING) - CPR WELL - GYRO						Out of range
WOOLLEY 42-7 KPK (EXISTING) - KPK WELL - SURVE						Out of range
WOOLLEY A 1-7 (EXISTING) - CPR WELL - GYRO						Out of range
WOOLLEY F UNIT 1 (EXISTING) - CPR WELL - GYRO						Out of range
Woolley-Becky 2A-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2B-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2C-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2D-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2E-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2F-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2G-7H-E168 - CPR - FINAL						Out of range
Woolley-Becky 2H-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2A-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2B-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2C-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2D-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2E-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2F-7H-E168 - CPR - FINAL						Out of range
Woolley-Sosa 2G-7H-E168 - CPR - FINAL						Out of range

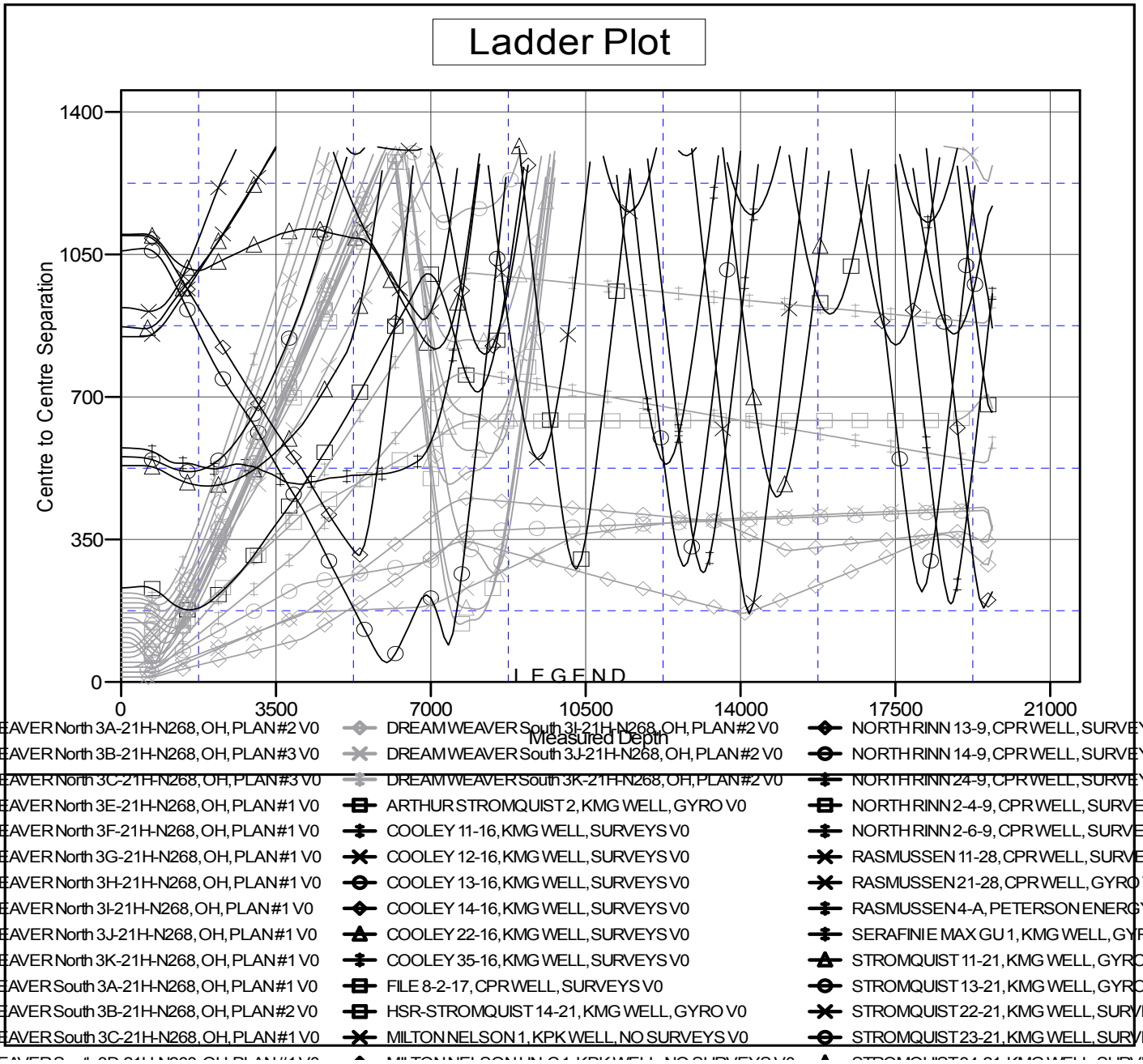
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Anticollision Summary Report

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Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 23' KB @ 4924.00usft (Original Well E
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: DREAM WEAVER North 3D-21H-N268 - Slot DREAM
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.32°



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

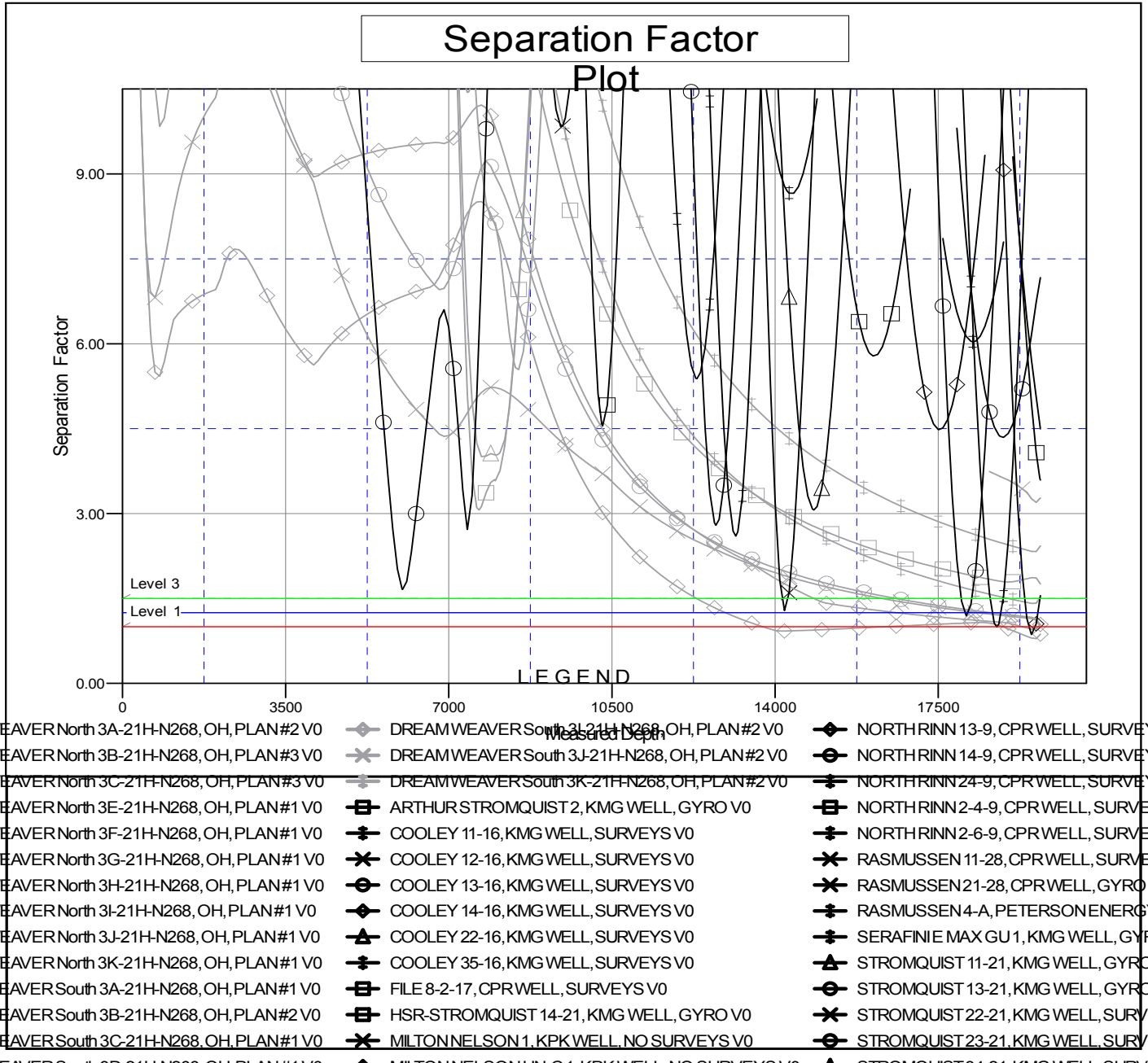
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Anticollision Summary Report

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Reference Design:	PLAN #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 23' KB @ 4924.00usft (Original Well E
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: DREAM WEAVER North 3D-21H-N268 - Slot DREAM
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.32°



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