

Crestone Peak Resources

DJ BASIN

S21-T2N-R68W

DREAM WEAVER North 3C-21H-N268

OH

PLAN #3

Anticollision Summary Report

23 July, 2018

Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	Offset TVD Reference:	Offset Datum

Reference	PLAN #3		
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	2,000.00	PLAN #3 (OH)	VESSI_GYROFLEX	VESSI Gyroflex Gyro
2,001.00	19,610.38	PLAN #3 (OH)	MWD+HDGM	OWSG MWD + HDGM

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						
DREAM WEAVER North 3A-21H-N268 - OH - PLAN #2	200.00	200.00	24.29	23.80	49.529	CC
DREAM WEAVER North 3A-21H-N268 - OH - PLAN #2	18,900.00	19,077.30	248.55	-90.81	0.732	Level 1, ES, SF
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	348.67	348.67	12.14	11.12	11.958	CC
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	400.00	399.97	12.21	11.01	10.227	ES
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	19,610.38	19,877.81	231.86	29.68	1.147	Level 2, SF
DREAM WEAVER North 3D-21H-N268 - OH - PLAN #1	472.86	472.86	12.11	10.66	8.335	CC
DREAM WEAVER North 3D-21H-N268 - OH - PLAN #1	19,610.38	19,722.49	357.68	-20.34	0.946	Level 1, ES, SF
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	503.06	503.04	24.21	22.66	15.533	CC, ES
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	19,610.38	19,573.95	674.98	288.30	1.746	SF
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	526.27	526.23	36.32	34.68	22.143	CC
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	600.00	599.84	36.56	34.67	19.281	ES
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	19,610.38	19,785.35	760.65	385.40	2.027	SF
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	545.81	545.75	48.43	46.72	28.340	CC
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	600.00	599.84	48.54	46.64	25.582	ES
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	19,610.38	19,599.19	958.98	572.07	2.479	SF
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	562.99	562.90	60.54	58.77	34.219	CC
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	600.00	599.84	60.58	58.68	31.918	ES
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	19,610.38	19,489.41	1,293.99	907.12	3.345	SF
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	200.00	200.00	72.86	72.37	148.590	CC, ES
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	6,400.00	6,258.50	1,313.34	1,276.86	36.005	SF
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	200.00	200.00	85.00	84.51	173.354	CC, ES
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	5,700.00	5,529.01	1,303.62	1,273.08	42.690	SF
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	200.00	200.00	97.14	96.65	198.119	CC, ES
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	5,300.00	5,111.40	1,305.02	1,277.67	47.716	SF
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	697.37	709.05	56.69	54.39	24.618	CC
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	700.00	711.59	56.70	54.38	24.527	ES
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	8,400.00	7,522.14	302.83	253.59	6.150	SF
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #2	8,418.86	7,531.41	6.25	-42.48	0.128	Level 1, CC, ES, SF
DREAM WEAVER South 3C-21H-N268 - OH - PLAN #1	7,664.47	8,092.40	81.66	36.04	1.790	CC, ES, SF
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	843.68	857.59	90.78	87.96	32.192	CC, ES
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	7,694.14	8,109.46	405.64	360.16	8.919	SF
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	1,026.66	1,038.43	148.82	145.38	43.297	CC, ES
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	7,375.84	8,274.44	691.60	645.27	14.927	SF
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	937.57	952.13	120.13	116.99	38.229	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

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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 3C-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 #3	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						
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	8,400.00	7,471.75	890.79	844.41	19.207	SF
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	1,060.18	1,072.78	163.53	159.97	45.912	CC, ES
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	7,300.00	8,386.10	1,047.47	1,001.37	22.720	SF
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	959.55	970.26	176.18	172.98	55.102	CC, ES
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	1,300.00	1,293.16	209.45	205.06	47.715	SF
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	849.68	857.63	193.64	190.84	69.191	CC, ES
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	1,200.00	1,188.35	229.26	225.22	56.859	SF
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	774.86	781.81	207.07	204.54	81.814	CC, ES
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	1,200.00	1,182.85	255.11	251.07	63.229	SF
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	697.80	703.99	220.86	218.60	97.743	CC
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	700.00	706.11	220.87	218.60	97.410	ES
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	1,200.00	1,176.47	283.79	279.74	70.153	SF

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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 3C-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 #3	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
S21-T2N-R68W (OFFSETS)						
ARTHUR STROMQUIST 2 - KMG WELL - GYRO	10,216.31	7,292.90	69.71	8.07	1.131	Level 2, CC, ES, 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						Out of range
COOLEY 12-16 - KMG WELL - SURVEYS	14,138.74	7,459.73	224.60	92.27	1.697	CC, ES, SF
COOLEY 13-16 - KMG WELL - SURVEYS	12,668.31	7,367.72	99.12	-3.77	0.963	Level 1, CC, ES, SF
COOLEY 14-16 - KMG WELL - SURVEYS						Out of range
COOLEY 22-16 - KMG WELL - SURVEYS	14,767.46	7,531.98	849.26	699.87	5.685	CC, ES, SF
COOLEY 23-16 - KMG WELL - SURVEYS						Out of range
COOLEY 35-16 - KMG WELL - SURVEYS	12,250.35	7,365.31	911.61	811.25	9.083	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
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

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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 3C-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 #3	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)						
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	16,765.61	7,465.72	971.09	802.37	5.756	CC, ES
FILE 41-17 - CPR WELL - SURVEYS	16,800.00	7,465.60	971.70	802.42	5.740	SF
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	15,327.30	7,534.04	977.32	826.57	6.483	CC, ES
FILE 42-17X - CPR WELL - SURVEYS	15,500.00	7,531.45	992.46	836.62	6.368	SF
FILE 6-0-17 - CPR WELL - SURVEYS						Out of range
FILE 8-2-17 - CPR WELL - SURVEYS	15,969.86	7,572.54	506.91	350.74	3.246	CC
FILE 8-2-17 - CPR WELL - SURVEYS	16,000.00	7,572.12	507.80	350.30	3.224	ES, 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	1,516.57	1,485.83	137.20	132.04	26.567	CC, ES
HSR-STROMQUIST 14-21 - KMG WELL - GYRO	1,800.00	1,762.68	150.12	143.95	24.348	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
JILLSON-EAST RINN 3B-22H-M268 - CPR WELL - SUR						Out of range
JILLSON-EAST RINN 3C-22H-M268 - CPR WELL - SUR						Out of range

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Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3C-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 #3	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						
S21-T2N-R68W (OFFSETS)						
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	400.00	381.00	839.32	837.99	629.858	CC, ES
MILTON NELSON 1 - KPK WELL - NO SURVEYS	3,200.00	3,120.11	1,306.89	1,294.06	101.865	SF
MILTON NELSON UN-C 1 - KPK WELL - NO SURVEYS	5,366.81	5,227.00	151.30	122.61	5.273	CC, ES, SF
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	1,404.10	1,373.42	521.11	515.73	96.803	CC, ES
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	5,100.00	4,974.22	982.60	958.09	40.098	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	19,610.38	7,609.98	567.35	411.97	3.651	CC, ES, SF
NORTH RINN 0-6-9 - CPR WELL - SURVEYS	18,771.64	7,394.84	439.10	241.90	2.227	CC
NORTH RINN 0-6-9 - CPR WELL - SURVEYS	18,800.00	7,394.57	440.01	241.72	2.219	ES, SF
NORTH RINN 0-8-9 - CPR WELL - SURVEYS	17,459.55	7,527.21	420.06	234.13	2.259	CC, ES, SF
NORTH RINN 13-9 - CPR WELL - SURVEYS	19,437.64	7,374.92	236.55	24.05	1.113	Level 2, CC, ES, SF
NORTH RINN 14-9 - CPR WELL - SURVEYS	18,042.88	7,332.31	190.36	3.71	1.020	Level 2, CC, ES, SF
NORTH RINN 24-9 - CPR WELL - SURVEYS						Out of range
NORTH RINN 2-4-9 - CPR WELL - SURVEYS	19,610.38	7,476.00	989.37	781.30	4.755	CC, ES, SF
NORTH RINN 2-6-9 - CPR WELL - SURVEYS	18,693.91	7,268.91	606.48	412.44	3.126	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

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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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)						
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	6,758.97	6,941.48	889.67	843.25	19.167	CC, ES
RASMUSSEN 11-28 - CPR WELL - SURVEYS	6,800.00	6,982.02	890.87	844.28	19.125	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						Out of range
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	5,299.62	4,960.00	1,243.24	1,220.04	53.590	CC
RASMUSSEN 4-A - PETERSON ENERGY - GYRO	5,300.00	4,960.00	1,243.24	1,220.04	53.586	ES
RASMUSSEN 4-A - PETERSON ENERGY - GYRO	5,500.00	4,960.00	1,259.29	1,235.50	52.953	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						Out of range
SCHLAGEL 2 - EXTRACTION WELL - NO SURVEYS						Out of range
SERAFINI E MAX GU 1 - KMG WELL - GYRO	13,098.30	7,290.48	656.50	552.10	6.288	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	437.76	431.74	860.46	859.13	646.426	CC, ES
STROMQUIST 11-21 - KMG WELL - GYRO	3,100.00	3,027.05	1,301.09	1,290.34	121.096	SF
STROMQUIST 13-21 - KMG WELL - GYRO	5,726.70	5,622.82	120.86	93.20	4.370	CC, ES, SF
STROMQUIST 22-21 - KMG WELL - SURVEYS	9,334.17	7,374.04	843.97	788.14	15.117	CC, ES, SF
STROMQUIST 23-21 - KMG WELL - SURVEYS	1,163.45	1,150.65	548.80	544.31	122.129	CC
STROMQUIST 23-21 - KMG WELL - SURVEYS	1,200.00	1,186.06	548.88	544.23	118.059	ES
STROMQUIST 23-21 - KMG WELL - SURVEYS	3,500.00	3,347.58	904.26	890.65	66.450	SF
STROMQUIST 34-21 - KMG WELL - SURVEYS	7,032.24	6,952.94	658.26	623.08	18.711	CC, ES
STROMQUIST 34-21 - KMG WELL - SURVEYS	7,100.00	7,013.21	660.41	625.03	18.665	SF
STROMQUIST 35-21 - KMG WELL - SURVEYS	1,154.42	1,127.28	560.04	555.65	127.585	CC, ES
STROMQUIST 35-21 - KMG WELL - SURVEYS	6,200.00	6,146.49	659.36	619.18	16.410	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						Out of range
WILDFLOWER 12-27 - 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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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
S21-T2N-R68W (OFFSETS)						
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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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						
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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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 16-20 - KMG WELL - SURVEYS	7,688.27	7,442.29	1,198.38	1,153.71	26.829	CC
Williams 16-20 - KMG WELL - SURVEYS	7,700.00	7,445.00	1,198.45	1,153.68	26.767	ES
Williams 16-20 - KMG WELL - SURVEYS	8,100.00	7,456.47	1,281.51	1,231.95	25.858	SF

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 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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 18-29 - KMG WELL - SURVEYS						Out of range
Williams 23-20 - KMG WELL - SURVEYS						Out of range
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	8,187.58	7,524.62	571.43	527.54	13.019	CC
Williams 39-20 - KMG WELL - SURVEYS	8,200.00	7,524.75	571.57	527.44	12.954	ES
Williams 39-20 - KMG WELL - SURVEYS	8,400.00	7,526.77	609.63	560.04	12.292	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	10,326.82	7,726.17	1,201.10	1,113.27	13.675	CC, ES
Williams 8-20 - KMG WELL - SURVEYS	10,500.00	7,729.88	1,215.39	1,125.80	13.567	SF
Williams 9-20 - KMG WELL - SURVEYS	8,976.33	7,376.59	1,104.14	1,052.03	21.190	CC, ES
Williams 9-20 - KMG WELL - SURVEYS	9,200.00	7,376.47	1,126.57	1,072.16	20.706	SF
Woolley 41-7 - CPR WELL - GYRO						Out of range
Woolley 42-7 KPK - KPK WELL - SURVEYS						Out of range

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Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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)						
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

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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

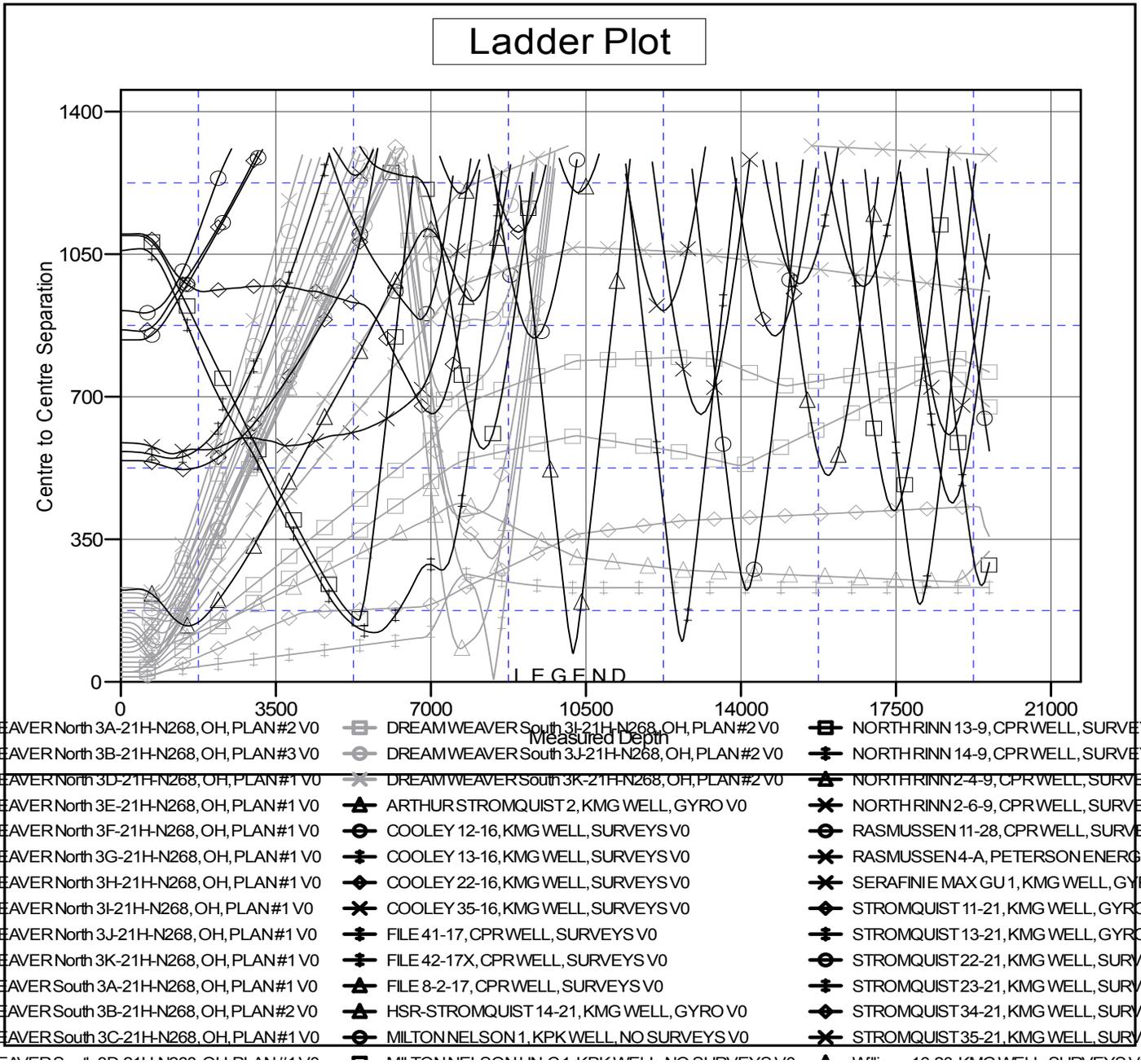
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Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3C-21H-N268 - Slot DREAM WEAVER North 3C-21H-N268 SHL
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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 3C-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 #3	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 3C-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

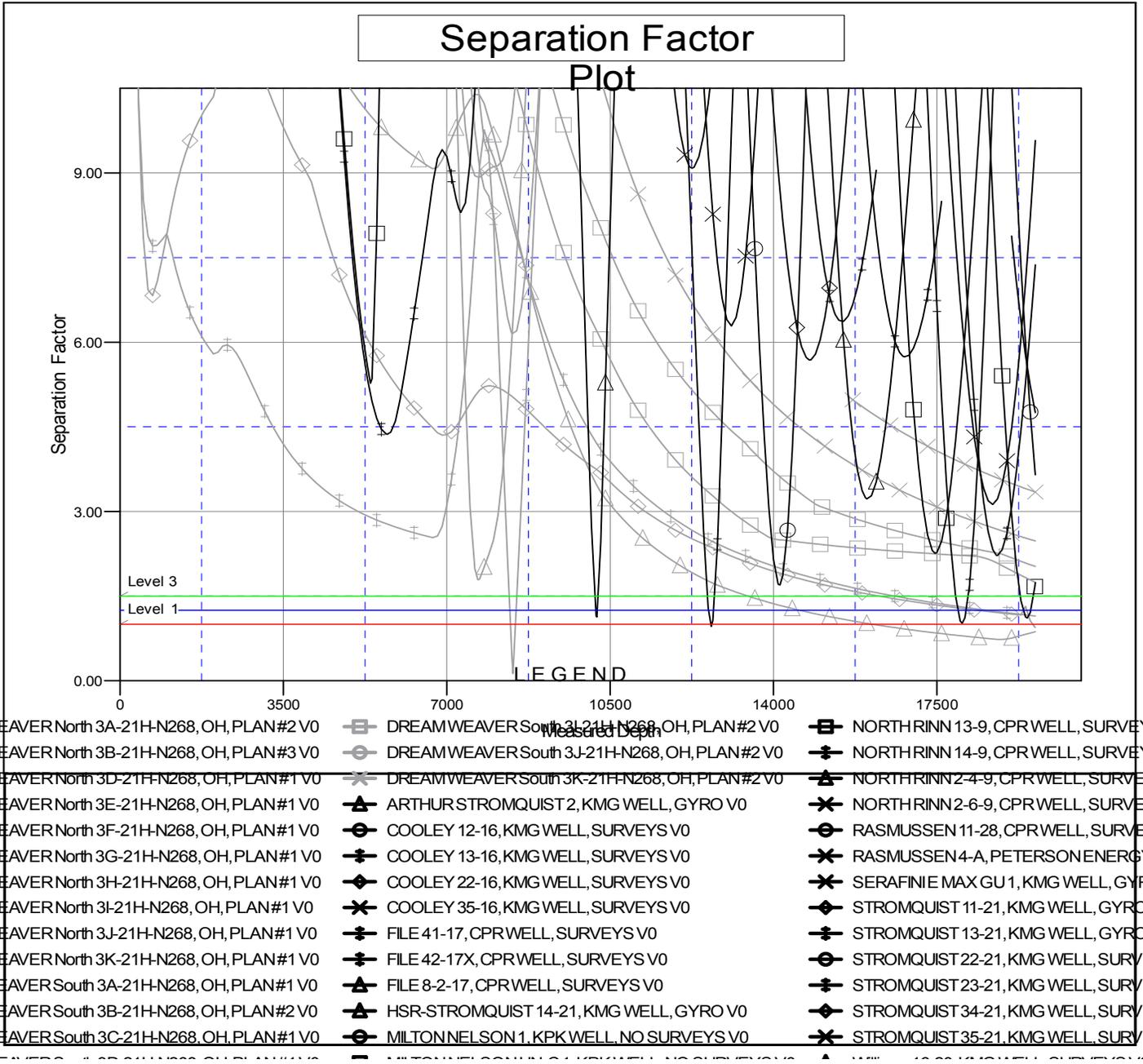
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Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3C-21H-N268 - Slot DREAM WEAVER North 3C-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 3C-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 #3	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 3C-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