

Crestone Peak Resources

DJ BASIN

S21-T2N-R68W

DREAM WEAVER North 3A-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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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	2,000.00	PLAN #2 (OH)	VESSI_GYROFLEX	VESSI Gyroflex Gyro
2,001.00	19,784.62	PLAN #2 (OH)	MWD+HDGM	OWSG MWD + HDGM

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						
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	200.00	200.00	12.14	11.65	24.764	CC
DREAM WEAVER North 3B-21H-N268 - OH - PLAN #3	19,100.00	19,180.07	285.59	-48.13	0.856	Level 1, ES, SF
DREAM WEAVER North 3C-21H-N268 - OH - PLAN #3	200.00	200.00	24.29	23.80	49.529	CC
DREAM WEAVER North 3C-21H-N268 - OH - PLAN #3	19,000.00	18,812.81	246.23	-89.66	0.733	Level 1, SF
DREAM WEAVER North 3C-21H-N268 - OH - PLAN #3	19,100.00	18,912.75	249.34	-90.07	0.735	Level 1, ES
DREAM WEAVER North 3D-21H-N268 - OH - PLAN #2	200.00	200.00	36.43	35.94	74.295	CC, ES
DREAM WEAVER North 3D-21H-N268 - OH - PLAN #2	19,784.62	19,691.42	673.74	290.08	1.756	SF
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	200.00	200.00	48.57	48.08	99.059	CC, ES
DREAM WEAVER North 3E-21H-N268 - OH - PLAN #1	19,784.62	19,573.95	986.80	604.11	2.579	SF
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	200.00	200.00	60.71	60.22	123.824	CC, ES
DREAM WEAVER North 3F-21H-N268 - OH - PLAN #1	19,784.62	19,785.35	1,041.11	657.69	2.715	SF
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	200.00	200.00	72.86	72.37	148.590	CC, ES
DREAM WEAVER North 3G-21H-N268 - OH - PLAN #1	19,300.00	19,104.30	1,209.43	839.43	3.269	SF
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	200.00	200.00	85.00	84.51	173.353	CC, ES
DREAM WEAVER North 3H-21H-N268 - OH - PLAN #1	6,100.00	5,953.97	1,295.20	1,259.75	36.534	SF
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	200.00	200.00	97.14	96.65	198.119	CC, ES
DREAM WEAVER North 3I-21H-N268 - OH - PLAN #1	5,000.00	4,823.36	1,297.87	1,272.20	50.558	SF
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	200.00	200.00	109.29	108.80	222.884	CC, ES
DREAM WEAVER North 3J-21H-N268 - OH - PLAN #1	4,600.00	4,392.48	1,289.86	1,267.65	58.055	SF
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	200.00	200.00	121.43	120.94	247.648	CC, ES
DREAM WEAVER North 3K-21H-N268 - OH - PLAN #1	4,400.00	4,171.28	1,309.91	1,289.30	63.554	SF
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	7,900.00	8,233.26	72.26	23.15	1.471	Level 3, SF
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	8,100.00	8,035.54	69.86	23.13	1.495	Level 3, ES
DREAM WEAVER South 3A-21H-N268 - OH - PLAN #1	8,131.28	8,005.11	69.65	23.22	1.500	CC
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #2	685.50	707.51	115.69	113.37	49.862	CC, ES
DREAM WEAVER South 3B-21H-N268 - OH - PLAN #2	8,395.91	7,801.32	362.49	314.30	7.521	SF
DREAM WEAVER South 3C-21H-N268 - OH - PLAN #1	632.99	653.91	136.51	134.39	64.556	CC, ES
DREAM WEAVER South 3C-21H-N268 - OH - PLAN #1	7,492.03	8,409.73	470.34	420.36	9.410	SF
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	661.24	682.41	149.64	147.43	67.776	CC, ES
DREAM WEAVER South 3D-21H-N268 - OH - PLAN #1	7,500.00	8,430.66	809.14	759.98	16.458	SF
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	200.00	200.00	182.14	181.65	371.474	CC, ES
DREAM WEAVER South 3E-21H-N268 - OH - PLAN #1	7,300.00	8,445.86	1,095.64	1,046.06	22.102	SF
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	634.75	656.48	187.40	185.30	89.273	CC, ES
DREAM WEAVER South 3F-21H-N268 - OH - PLAN #1	7,400.00	8,586.22	1,293.34	1,244.44	26.446	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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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						
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	200.00	200.00	206.43	205.94	421.003	CC, ES
DREAM WEAVER South 3G-21H-N268 - OH - PLAN #1	4,900.00	4,704.20	1,309.86	1,286.64	56.416	SF
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	200.00	200.00	218.57	218.08	445.768	CC, ES
DREAM WEAVER South 3H-21H-N268 - OH - PLAN #1	1,500.00	1,479.76	340.71	335.57	66.281	SF
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	200.00	200.00	230.71	230.22	470.532	CC, ES
DREAM WEAVER South 3I-21H-N268 - OH - PLAN #2	1,500.00	1,462.00	390.30	385.18	76.275	SF
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	200.00	200.00	242.86	242.37	495.298	CC, ES
DREAM WEAVER South 3J-21H-N268 - OH - PLAN #2	1,500.00	1,452.90	422.34	417.23	82.607	SF
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	200.00	200.00	255.00	254.51	520.063	CC
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	300.00	303.25	255.29	254.44	300.644	ES
DREAM WEAVER South 3K-21H-N268 - OH - PLAN #2	1,500.00	1,442.54	457.51	452.40	89.437	SF

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Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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)						
ARTHUR STROMQUIST 2 - KMG WELL - GYRO	10,400.00	7,388.59	363.79	303.42	6.026	SF
ARTHUR STROMQUIST 2 - KMG WELL - GYRO	10,411.00	7,388.88	363.62	303.37	6.035	CC, ES
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	14,300.00	7,551.71	475.85	345.00	3.637	SF
COOLEY 12-16 - KMG WELL - SURVEYS	14,328.77	7,551.89	474.97	344.60	3.643	CC, ES
COOLEY 13-16 - KMG WELL - SURVEYS	12,858.19	7,458.54	357.66	256.54	3.537	CC, ES, SF
COOLEY 14-16 - KMG WELL - SURVEYS						Out of range
COOLEY 22-16 - KMG WELL - SURVEYS	14,960.53	7,621.98	1,096.61	949.15	7.437	CC, ES
COOLEY 22-16 - KMG WELL - SURVEYS	15,000.00	7,622.18	1,097.32	949.68	7.433	SF
COOLEY 23-16 - KMG WELL - SURVEYS						Out of range
COOLEY 35-16 - KMG WELL - SURVEYS	12,453.17	7,465.27	1,176.62	1,077.92	11.922	CC, ES
COOLEY 35-16 - KMG WELL - SURVEYS	12,500.00	7,466.02	1,177.55	1,078.77	11.922	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 Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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)						
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	16,949.41	7,547.90	732.72	566.05	4.396	CC, ES
FILE 41-17 - CPR WELL - SURVEYS	17,000.00	7,548.54	734.46	567.05	4.387	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	15,509.58	7,621.55	731.31	582.76	4.923	CC, ES
FILE 42-17X - CPR WELL - SURVEYS	15,600.00	7,620.42	736.88	584.68	4.842	SF
FILE 6-0-17 - CPR WELL - SURVEYS						Out of range
FILE 8-2-17 - CPR WELL - SURVEYS	16,155.14	7,657.24	262.18	108.20	1.703	CC, ES
FILE 8-2-17 - CPR WELL - SURVEYS	16,200.00	7,657.02	266.00	109.56	1.700	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	1,411.27	1,377.02	36.23	31.40	7.503	CC, ES, 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

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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)						
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
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	200.00	181.00	821.81	821.28	1,558.628	CC
MILTON NELSON 1 - KPK WELL - NO SURVEYS	300.00	280.98	822.18	821.25	887.286	ES
MILTON NELSON 1 - KPK WELL - NO SURVEYS	2,900.00	2,799.81	1,294.03	1,282.60	113.188	SF
MILTON NELSON UN-C 1 - KPK WELL - NO SURVEYS	4,656.85	4,493.88	39.35	14.01	1.553	CC, ES, SF
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	200.00	184.00	566.95	566.41	1,058.004	CC, ES
MILTON NELSON UNIT 1 - KPK WELL - NO SURVEYS	5,200.00	4,977.00	1,296.88	1,271.27	50.656	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	19,784.62	7,704.02	414.52	343.09	5.803	CC, ES, SF
NORTH RINN 0-6-9 - CPR WELL - SURVEYS	18,959.70	7,491.17	212.16	16.98	1.087	Level 2, CC, ES, SF
NORTH RINN 0-8-9 - CPR WELL - SURVEYS	17,643.96	7,619.81	185.69	1.92	1.010	Level 2, CC, ES, SF
NORTH RINN 13-9 - CPR WELL - SURVEYS	19,564.93	7,467.78	520.67	310.26	2.475	CC, ES
NORTH RINN 13-9 - CPR WELL - SURVEYS	19,600.00	7,467.88	521.85	310.91	2.474	SF
NORTH RINN 14-9 - CPR WELL - SURVEYS	18,231.35	7,426.28	420.94	236.42	2.281	CC, ES, SF
NORTH RINN 24-9 - CPR WELL - SURVEYS						Out of range
NORTH RINN 2-4-9 - CPR WELL - SURVEYS	19,784.62	7,556.49	1,280.87	1,068.55	6.033	CC, ES, SF
NORTH RINN 2-6-9 - CPR WELL - SURVEYS	18,886.10	7,361.86	834.09	642.15	4.346	CC, ES, 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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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
S21-T2N-R68W (OFFSETS)						
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	6,900.00	7,015.50	994.82	947.42	20.986	CC, ES
RASMUSSEN 11-28 - CPR WELL - SURVEYS	7,000.00	7,116.52	1,004.85	956.85	20.938	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	5,315.52	4,960.00	1,229.56	1,203.31	46.844	CC, ES
RASMUSSEN 4-A - PETERSON ENERGY - GYRO	5,500.00	4,960.00	1,243.32	1,216.39	46.158	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	13,286.73	7,388.23	910.79	808.17	8.875	CC, ES
SERAFINI E MAX GU 1 - KMG WELL - GYRO	13,300.00	7,387.69	910.89	808.26	8.875	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	306.25	300.39	846.15	845.29	981.545	CC, ES
STROMQUIST 11-21 - KMG WELL - GYRO	2,800.00	2,724.70	1,301.77	1,292.20	136.071	SF
STROMQUIST 13-21 - KMG WELL - GYRO	4,489.71	4,357.70	320.46	298.51	14.605	CC
STROMQUIST 13-21 - KMG WELL - GYRO	4,500.00	4,367.81	320.46	298.45	14.558	ES
STROMQUIST 13-21 - KMG WELL - GYRO	4,800.00	4,654.48	331.35	307.48	13.879	SF
STROMQUIST 22-21 - KMG WELL - SURVEYS	447.34	453.72	893.27	892.07	746.340	CC
STROMQUIST 22-21 - KMG WELL - SURVEYS	500.00	509.22	893.34	891.99	660.366	ES
STROMQUIST 22-21 - KMG WELL - SURVEYS	9,574.15	7,465.16	1,187.36	1,131.97	21.437	SF
STROMQUIST 23-21 - KMG WELL - SURVEYS	229.84	219.69	589.13	588.37	777.617	CC, ES
STROMQUIST 23-21 - KMG WELL - SURVEYS	3,800.00	3,567.70	1,200.97	1,185.60	78.159	SF
STROMQUIST 34-21 - KMG WELL - SURVEYS	7,064.07	6,909.22	313.11	274.60	8.130	CC, ES
STROMQUIST 34-21 - KMG WELL - SURVEYS	7,200.00	7,036.87	326.79	285.67	7.948	SF
STROMQUIST 35-21 - KMG WELL - SURVEYS	240.30	231.75	610.44	609.63	750.998	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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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	300.00	292.40	610.65	609.59	578.982	ES
STROMQUIST 35-21 - KMG WELL - SURVEYS	5,700.00	5,594.30	909.81	871.47	23.725	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
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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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						
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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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						
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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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
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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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						
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	5,364.08	5,070.00	1,314.66	1,284.30	43.297	CC, ES
Shaw 16-20 - KPK - SURVEYS	5,400.00	5,070.00	1,315.15	1,284.74	43.234	SF
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	7,815.60	7,524.37	767.99	722.27	16.800	CC, ES
Williams 16-20 - KMG WELL - SURVEYS	8,000.00	7,561.18	794.49	746.48	16.549	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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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
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	8,349.09	7,617.43	164.93	120.58	3.719	CC, ES
Williams 39-20 - KMG WELL - SURVEYS	8,400.00	7,617.95	172.61	125.40	3.656	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	10,487.39	7,822.22	909.66	823.45	10.552	CC
Williams 8-20 - KMG WELL - SURVEYS	10,500.00	7,822.50	909.74	823.35	10.531	ES
Williams 8-20 - KMG WELL - SURVEYS	10,600.00	7,824.75	916.60	829.14	10.480	SF
Williams 9-20 - KMG WELL - SURVEYS	9,106.76	7,488.88	745.45	693.75	14.420	CC, ES
Williams 9-20 - KMG WELL - SURVEYS	9,200.00	7,489.11	751.26	698.74	14.304	SF
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

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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
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 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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						
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

Cathedral Energy Services

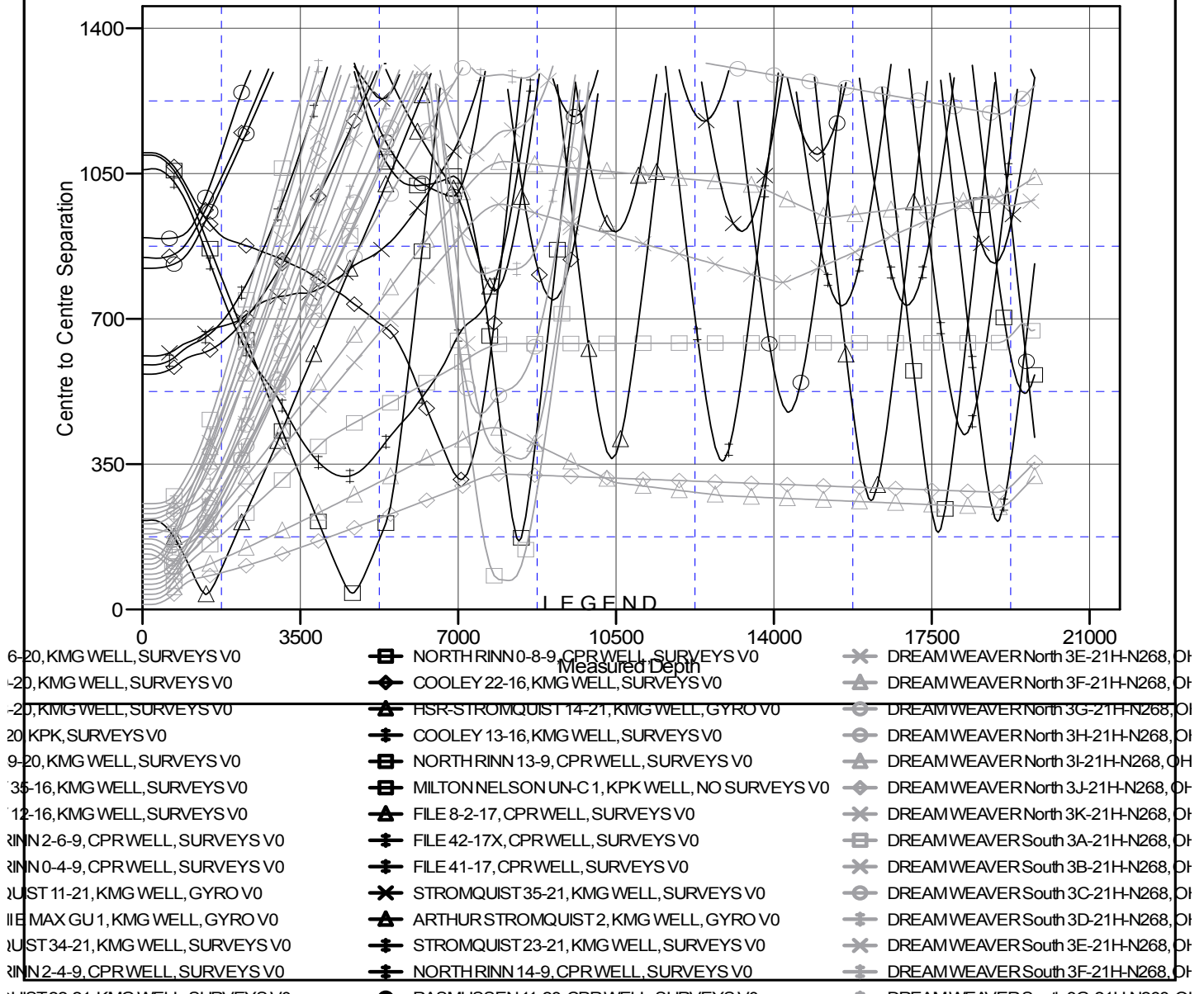
Anticollision Summary Report

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Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
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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 Depths are relative to 23' KB @ 4924.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

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

Ladder Plot



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

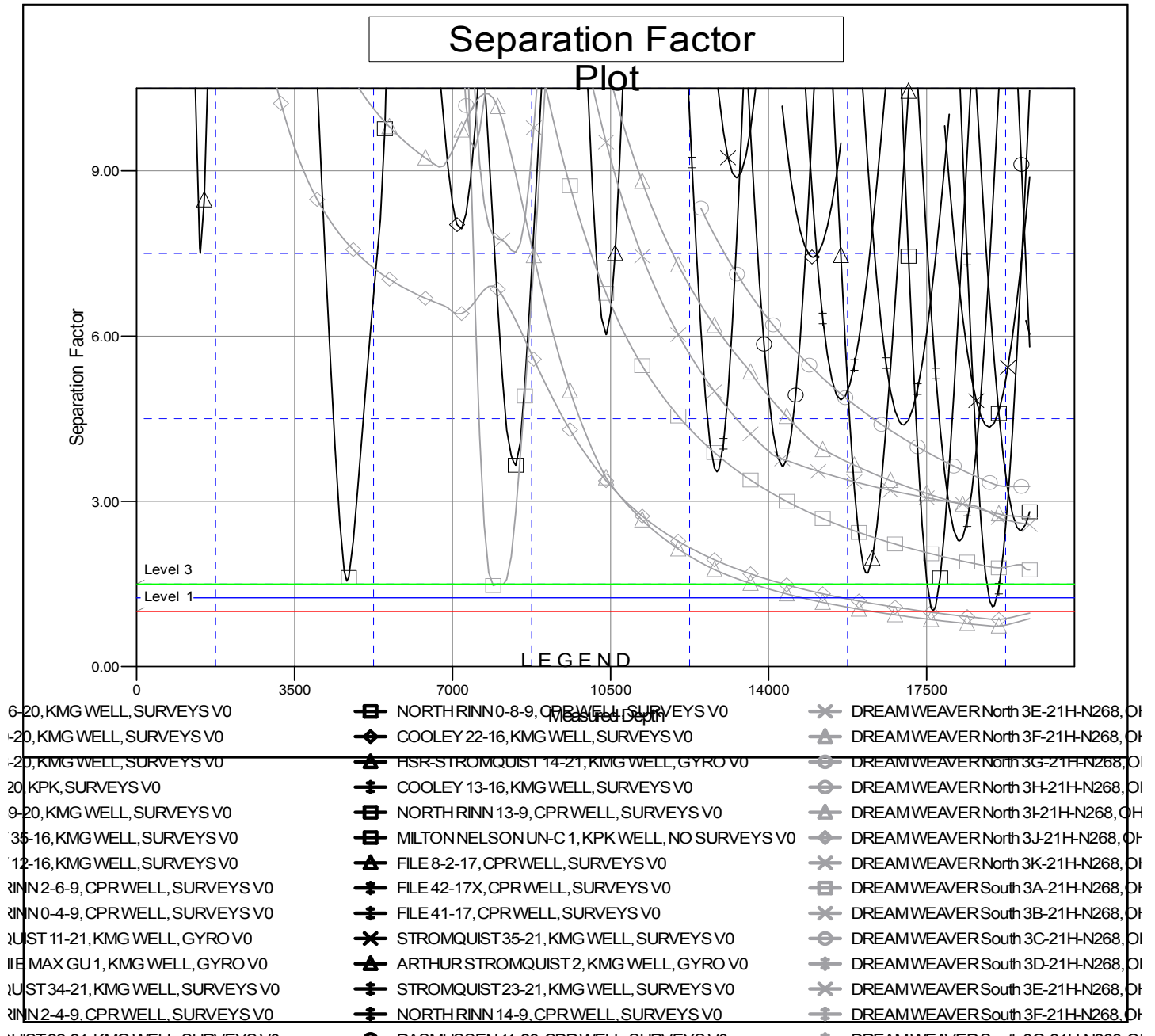
Cathedral Energy Services

Anticollision Summary Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well DREAM WEAVER North 3A-21H-N268 - Slot DREAM WEAVER North 3A-21H-N268 SHL
Project:	DJ BASIN	TVD Reference:	23' KB @ 4924.00usft
Reference Site:	S21-T2N-R68W	MD Reference:	23' KB @ 4924.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	DREAM WEAVER North 3A-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 Depths are relative to 23' KB @ 4924.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: DREAM WEAVER North 3A-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