

Crestone Peak Resources

DJ BASIN

S26-T1N-R68W

GOLTL WEST-4H-26H-O168

OH

PLAN #1

Anticollision Report

05 July, 2017

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference	PLAN #1		
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 center-center distance of 1,195.88usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	7/5/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,930.78	PLAN #1 (OH)	MWD+HDGM	OWSG MWD + HDGM

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
S26-T1N-R68W						
GOLT EAST- 4A-26H-O168 - OH - PLAN #1	1,153.55	1,240.39	547.22	539.02	66.709	CC, ES
GOLT EAST- 4A-26H-O168 - OH - PLAN #1	17,930.78	17,811.80	1,045.18	727.33	3.288	SF
GOLT EAST- 4B-26H-O168 - OH - PLAN #1	1,067.39	1,138.31	576.58	569.13	77.469	CC
GOLT EAST- 4B-26H-O168 - OH - PLAN #1	1,100.00	1,170.89	576.76	569.08	75.084	ES
GOLT EAST- 4B-26H-O168 - OH - PLAN #1	5,300.00	5,324.59	1,187.98	1,146.92	28.931	SF
GOLT EAST- 4C-26H-O168 - OH - PLAN #1	1,018.68	1,080.17	594.88	587.87	84.868	CC, ES
GOLT EAST- 4C-26H-O168 - OH - PLAN #1	4,800.00	4,811.68	1,191.19	1,154.50	32.464	SF
GOLT EAST- 4D-26H-O168 - OH - PLAN #1	856.57	884.70	597.06	591.24	102.676	CC, ES
GOLT EAST- 4D-26H-O168 - OH - PLAN #1	3,800.00	3,765.17	1,176.47	1,147.83	41.078	SF
GOLT EAST- 4E-26H-O168 - OH - PLAN #1	700.00	706.00	626.55	621.95	136.230	CC, ES
GOLT EAST- 4E-26H-O168 - OH - PLAN #1	3,100.00	3,020.90	1,177.04	1,154.41	52.010	SF
GOLT EAST- 4F-26H-O168 - OH - PLAN #1	700.00	706.00	626.21	621.61	136.157	CC, ES
GOLT EAST- 4F-26H-O168 - OH - PLAN #1	2,800.00	2,671.19	1,175.53	1,155.43	58.458	SF
GOLT EAST- 4G-26H-O168 - OH - PLAN #1	700.00	706.00	626.03	621.43	136.117	CC, ES
GOLT EAST- 4G-26H-O168 - OH - PLAN #1	2,600.00	2,423.46	1,191.35	1,173.53	66.839	SF
GOLT EAST- 4H-26H-O168 - OH - PLAN #1	700.00	694.00	626.01	621.45	137.398	CC, ES
GOLT EAST- 4H-26H-O168 - OH - PLAN #1	2,400.00	2,172.22	1,187.63	1,171.54	73.789	SF
GOLT EAST- 4I-26H-O168 - OH - PLAN #1	600.00	593.00	625.87	622.03	163.172	CC, ES
GOLT EAST- 4I-26H-O168 - OH - PLAN #1	2,300.00	2,049.25	1,188.67	1,173.51	78.429	SF
GOLT EAST- 4J-26H-O168 - OH - PLAN #2	500.00	493.00	626.16	623.05	200.777	CC, ES
GOLT EAST- 4J-26H-O168 - OH - PLAN #2	2,100.00	1,813.49	1,169.18	1,155.65	86.406	SF
GOLT EAST- 4K-26H-O168 - OH - PLAN #2	400.00	393.00	626.63	624.23	260.906	CC, ES
GOLT EAST- 4K-26H-O168 - OH - PLAN #2	2,000.00	1,680.63	1,170.41	1,157.73	92.353	SF
GOLT EAST- 4L-26H-O168 - OH - PLAN #1	300.00	293.00	627.24	625.56	372.291	CC, ES
GOLT EAST- 4L-26H-O168 - OH - PLAN #1	1,900.00	1,574.52	1,155.10	1,143.13	96.493	SF
GOLT EAST- 4M-26H-O168 - OH - PLAN #2	200.00	193.00	627.73	626.76	648.562	CC, ES
GOLT EAST- 4M-26H-O168 - OH - PLAN #2	1,800.00	1,435.83	1,154.70	1,143.59	103.943	SF
GOLT WEST-4A-26H-O168 - OH - PLAN #1	428.47	428.85	69.11	66.48	26.305	CC
GOLT WEST-4A-26H-O168 - OH - PLAN #1	500.00	499.78	69.60	66.45	22.098	ES
GOLT WEST-4A-26H-O168 - OH - PLAN #1	14,900.00	15,177.64	1,195.64	972.33	5.354	SF
GOLT WEST-4B-26H-O168 - OH - PLAN #1	516.60	516.93	59.22	55.97	18.214	CC, ES
GOLT WEST-4B-26H-O168 - OH - PLAN #1	17,930.78	17,956.14	1,111.54	799.35	3.560	SF
GOLT WEST-4C-26H-O168 - OH - PLAN #1	622.12	622.35	49.16	45.15	12.286	CC
GOLT WEST-4C-26H-O168 - OH - PLAN #1	700.00	699.81	49.66	45.11	10.895	ES
GOLT WEST-4C-26H-O168 - OH - PLAN #1	17,930.78	18,222.81	995.24	679.04	3.147	SF
GOLT WEST-4D-26H-O168 - OH - PLAN #1	704.62	704.79	39.38	34.79	8.581	CC
GOLT WEST-4D-26H-O168 - OH - PLAN #1	800.00	799.84	40.04	34.78	7.611	ES
GOLT WEST-4D-26H-O168 - OH - PLAN #1	13,500.00	13,517.27	720.04	536.51	3.923	SF
GOLT WEST-4E-26H-O168 - OH - PLAN #1	823.82	824.06	29.16	23.73	5.372	CC
GOLT WEST-4E-26H-O168 - OH - PLAN #1	1,000.00	999.98	29.90	23.22	4.480	ES
GOLT WEST-4E-26H-O168 - OH - PLAN #1	17,930.78	18,243.00	604.18	296.43	1.963	SF
GOLT WEST-4F-26H-O168 - OH - PLAN #1	700.00	700.00	20.04	15.46	4.377	CC
GOLT WEST-4F-26H-O168 - OH - PLAN #1	17,930.78	17,814.28	286.49	-14.22	0.953	Level 1, ES, SF
GOLT WEST-4G-26H-O168 - OH - PLAN #1	700.00	700.00	10.20	5.62	2.228	CC
GOLT WEST-4G-26H-O168 - OH - PLAN #1	800.00	799.98	10.76	5.47	2.035	ES
GOLT WEST-4G-26H-O168 - OH - PLAN #1	2,600.00	2,604.72	37.52	14.88	1.657	SF
GOLT WEST-4I-26H-O168 - OH - PLAN #1	400.00	400.00	9.84	7.42	4.056	CC
GOLT WEST-4I-26H-O168 - OH - PLAN #1	16,700.00	16,521.74	209.70	-25.89	0.890	Level 1, SF
GOLT WEST-4I-26H-O168 - OH - PLAN #1	17,700.00	17,510.92	246.03	-28.20	0.897	Level 1, ES
GOLT WEST-4J-26H-O168 - OH - PLAN #1	872.45	871.30	19.44	13.66	3.363	CC
GOLT WEST-4J-26H-O168 - OH - PLAN #1	16,600.00	16,644.03	268.68	12.94	1.051	Level 2, ES, SF
GOLT WEST-4K-26H-O168 - OH - PLAN #1	907.43	906.25	28.91	22.88	4.791	CC, ES
GOLT WEST-4K-26H-O168 - OH - PLAN #1	17,725.02	17,622.70	595.39	285.59	1.922	SF

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

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Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)		Separation Factor	Warning
Offset Well - Wellbore - Design						
S26-T1N-R68W						
GOLTL WEST-4L-26H-O168 - OH - PLAN #1	300.00	299.00	40.07	38.36	23.484	CC, ES
GOLTL WEST-4L-26H-O168 - OH - PLAN #1	17,930.78	17,647.70	813.63	500.45	2.598	SF
GOLTL WEST-4M-26H-O168 - OH - PLAN #1	200.00	199.00	49.91	48.92	50.449	CC, ES
GOLTL WEST-4M-26H-O168 - OH - PLAN #1	17,930.78	17,447.97	953.27	649.06	3.134	SF

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Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation	Warning
	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
S26-T1N-R68W (OFFSETS)						
ALAUX 1 - H&R WELL - NO SURVEYS						Out of range
ALAUX 2 - H&R WELL - NO SURVEYS						Out of range
ALAUX 26-3 - CPR - NO SURVEYS	12,571.93	7,886.00	536.98	451.52	6.284	CC, ES, SF
ALAUX 26-5 - CPR - NO SURVEYS	11,277.44	7,892.00	787.08	719.90	11.717	CC
ALAUX 26-5 - CPR - NO SURVEYS	11,300.00	7,892.00	787.40	719.58	11.610	ES
ALAUX 26-5 - CPR - NO SURVEYS	11,400.00	7,892.00	796.56	726.26	11.331	SF
ALAUX 4-0-26 - CPR - SURVEYS	13,007.21	7,912.35	1,042.33	932.19	9.464	CC, ES, SF
ALAUX F UNIT 1 - CPR - NO SURVEYS	12,032.74	7,901.00	424.50	346.80	5.464	CC, ES
ALAUX F UNIT 1 - CPR - NO SURVEYS	12,100.00	7,901.00	429.79	349.69	5.366	SF
BAKER 31-27 - CPR - SURVEYS						Out of range
BAKER 32-27 - CPR - NO SURVEYS						Out of range
BAKER 4-2-27 - CPR - SURVEYS						Out of range
BAKER 6-4-27 - CPR - SURVEYS						Out of range
BAKER C UNIT 1 - CPR - NO SURVEYS						Out of range
BROOKMAN 4-25 - KMG - NO SURVEYS						Out of range
BURY CRANDELL 0-0-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 12-23 - CPR - SURVEYS	16,386.40	8,233.21	761.88	591.89	4.482	CC
BURY CRANDELL 12-23 - CPR - SURVEYS	16,400.00	8,231.20	762.00	591.44	4.468	ES
BURY CRANDELL 12-23 - CPR - SURVEYS	16,500.00	8,217.15	770.18	596.96	4.446	SF
BURY CRANDELL 21-23 - CPR - SURVEYS	17,878.39	8,019.92	562.47	385.76	3.183	CC, ES, SF
BURY CRANDELL 22-23 - CPR - SURVEYS	16,500.00	8,036.54	415.02	253.24	2.565	ES, SF
BURY CRANDELL 22-23 - CPR - SURVEYS	16,527.85	8,036.54	414.08	253.32	2.576	CC
BURY CRANDELL 31-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 32-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 42-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 6-0-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 8-0-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 8-2-23 - CPR - SURVEYS						Out of range
BURY CRANDELL 8-4-23 - CPR - SURVEYS						Out of range
BURY CRANDELL C 2 - CPR - NO SURVEYS	17,378.49	7,862.00	428.98	270.65	2.709	CC
BURY CRANDELL C 2 - CPR - NO SURVEYS	17,400.00	7,862.00	429.52	270.26	2.697	ES, SF
BURY-CRANDELL C UNIT 1 - CPR - GYRO						Out of range
COMO 13C-14HZ - KMG - SURVEYS	17,930.78	16,530.00	1,115.95	824.13	3.824	CC, ES, SF
COMO 13N-14HZ - KMG - SURVEYS	17,930.78	16,236.00	773.81	522.80	3.083	CC, ES, SF
COMO 34N-14HZ - KMG - SURVEYS						Out of range
COSSLETT B UNIT 1 - VESSELS - NO SURVEYS						Out of range
COSSLETT 32-22 - CPR - SURVEYS						Out of range
COSSLETT 4-0-22 - CPR - SURVEYS						Out of range
COSSLETT 41-22 - CPR - SURVEYS						Out of range
COSSLETT 42-22 - CPR - SURVEYS						Out of range
COSSLETT 6-0-22 - CPR - SURVEYS						Out of range
COSSLETT 6-4-22 - CPR - SURVEYS						Out of range
COSSLETT 8-2-22 - CPR - SURVEYS						Out of range
COSSLETT B UNIT 1X - CPR - GYRO						Out of range
COSSLETT B UNIT 2 - CPR - GYRO						Out of range
CRANDELL 0-6-26 - CPR - SURVEYS						Out of range
CRANDELL 0-8-26 - CPR - SURVEYS						Out of range
CRANDELL 14-26 - CPR - SURVEYS	8,200.00	8,041.45	901.59	844.10	15.683	SF
CRANDELL 14-26 - CPR - SURVEYS	8,295.06	8,076.29	897.18	840.24	15.755	CC, ES
CRANDELL 23-26 - CPR - SURVEYS	9,845.53	8,050.15	543.94	484.92	9.217	CC, ES, SF
CRANDELL 24-26 - CPR - SURVEYS	8,400.00	8,107.95	685.63	626.18	11.532	SF
CRANDELL 24-26 - CPR - SURVEYS	8,563.24	8,114.62	666.36	609.66	11.751	CC, ES
CRANDELL 2-8-26 - CPR - SURVEYS	6,832.24	6,933.90	123.11	64.78	2.111	CC

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
S26-T1N-R68W (OFFSETS)						
CRANDELL 2-8-26 - CPR - SURVEYS	7,665.44	7,762.52	126.18	64.72	2.053	ES, SF
CRANDELL 4-6-26 - CPR - SURVEYS	8,900.00	8,160.62	1,175.99	1,118.19	20.344	SF
CRANDELL 4-6-26 - CPR - SURVEYS	9,178.79	8,165.80	1,142.48	1,087.14	20.644	CC, ES
CRANDELL UNIT-E 1 - CPR - GYRO	9,455.02	7,933.21	448.15	405.43	10.490	CC, ES
CRANDELL UNIT-E 1 - CPR - GYRO	9,600.00	7,933.21	471.02	425.06	10.249	SF
CRANDELL-E-UNIT 2 - CPR - GYRO						Out of range
FRONT RANGE FARMS 15C-14HZ - KMG - SURVEYS						Out of range
FRONT RANGE FARMS 15N-14HZ - KMG - SURVEYS						Out of range
FRONT RANGE FARMS 16N-14HZ - KMG - SURVEYS						Out of range
FRONT RANGE FARMS 36N-14HZ - KMG - SURVEYS						Out of range
FRONT RANGE FARMS 37C-14HZ - KMG - SURVEYS						Out of range
GOLTL 1 - H&R WELL - NO SURVEYS						Out of range
GOLTL 2 - H&R WELL - NO SURVEYS						Out of range
HELEN 0-4-23 - CPR - SURVEYS						Out of range
HELEN 14-23 - CPR - SURVEYS	13,600.93	7,999.48	671.37	555.91	5.815	CC, ES
HELEN 14-23 - CPR - SURVEYS	13,700.00	7,996.63	678.63	560.86	5.762	SF
HELEN 23-23 - CPR - NO SURVEYS	15,200.00	7,850.00	399.30	274.27	3.194	ES, SF
HELEN 23-23 - CPR - NO SURVEYS	15,206.99	7,850.00	399.24	274.35	3.197	CC
HELEN 33-23 - CPR - NO SURVEYS						Out of range
HELEN 34-23 - CPR - NO SURVEYS						Out of range
HELEN 43-23 - CPR - NO SURVEYS						Out of range
HELEN 4-6-23 - CPR - SURVEYS						Out of range
HELEN 8-8-23 - CPR - SURVEYS						Out of range
HELEN E UNIT 1 - CPR - NO SURVEYS						Out of range
HELEN E UNIT 2 - CPR - GYRO	14,579.38	7,862.86	525.34	411.22	4.603	CC
HELEN E UNIT 2 - CPR - GYRO	14,600.00	7,863.98	525.74	410.95	4.580	ES, SF
JOHNSON 21-24 - MGF OIL - NO SURVEYS						Out of range
JOHNSON 23-24 - MGF OIL - NO SURVEYS						Out of range
JOHNSTON 14-24 - KMG - NO SURVEYS						Out of range
JOHNSTON 3-25 - KMG - NO SURVEYS						Out of range
JOHNSTON UU 24-13JI - KMG - KMG						Out of range
JOHNSTON UU 24-4JI - KMG - NO SURVEYS						Out of range
KATS 41-34 - CPR - SURVEYS						Out of range
KATS 8-2-34 - CPR - SURVEYS						Out of range
LOVELY USX UU 15-16 - KMG - GYROS						Out of range
MANN 1 - H&R WELLS - NO SURVEYS						Out of range
MANN 2 - H&R WELL - NO SURVEYS	700.00	676.00	475.63	472.58	156.058	CC, ES
MANN 2 - H&R WELL - NO SURVEYS	3,700.00	3,577.07	1,186.74	1,169.18	67.577	SF
NORTHGLENN STATE 18-36 - KMG - SURVEYS						Out of range
NORTHGLENN STATE 4-36 - KMG - SURVEYS						Out of range
RANCHVIEW 28C-11HZ - KMG - SURVEYS	17,930.78	7,870.42	1,061.77	883.64	5.961	CC, ES, SF
RANCHVIEW 3C-11HZ - KMG - SURVEYS	17,930.78	7,922.37	209.78	98.43	1.884	CC, ES, SF
RANCHVIEW 3N-11HZ - KMG - SURVEYS	17,930.78	7,781.10	533.23	381.94	3.525	CC, ES, SF
ROBERTS 2 - BLUE CHIP OIL - NO SURVEYS						Out of range
ROBERTS SHANNON 26-5 - BLUE CHIP OIL - NO SUR						Out of range
SEARS 0-4-26 - CPR - SURVEYS						Out of range
SEARS 22-26 - CPR - NO SURVEYS	11,200.00	7,886.00	718.90	652.52	10.831	SF
SEARS 22-26 - CPR - NO SURVEYS	11,216.36	7,886.00	718.71	652.38	10.836	CC, ES
SEARS 2-4-26 - CPR - SURVEYS	10,584.50	8,037.61	117.23	47.12	1.672	CC
SEARS 2-4-26 - CPR - SURVEYS	10,600.00	8,038.11	118.25	45.92	1.635	ES, SF
SEARS 4-4-26 - CPR - SURVEYS	10,536.08	7,955.79	1,092.64	1,023.18	15.730	CC, ES, SF
SEARS J L 2 - EXCO - NO SURVEYS						Out of range
SEARS J LEE 1 - EXCO - NO 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 Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)		Separation Factor	Warning
S26-T1N-R68W (OFFSETS)						
SHANNON-ROBERTS 1-A - NAT RES GROUP - NO SU						Out of range
SHANNON-ROBERTS 2 - NAT RES GROUP - NO SURV						Out of range
SHANNON-ROBERTS 3 - NAT RES GROUP - NO SURV						Out of range
SHANNON-ROBERTS 4 - NAT RES GROUP - NO SURV						Out of range
SMITH 2 - GILL & MCKISSICK - NO SURVEYS						Out of range
STIPANOVICH 41-27 - CPR - NO SURVEYS						Out of range
STIPANOVICH 8-0-27 - CPR - SURVEYS						Out of range
STIPANOVICH 8-2-27 - CPR - SURVEYS						Out of range
SWEETGRASS 10-14 - KMG - SURVEYS						Out of range
SWEETGRASS 11-14 - KMG - SURVEYS						Out of range
SWEETGRASS 12-14A - KMG - SURVEYS						Out of range
SWEETGRASS 13-14 - KMG - SURVEYS						Out of range
SWEETGRASS 14-14 - KMG - SURVEYS	17,930.78	8,186.68	1,158.21	1,028.81	8.950	CC, ES, SF
SWEETGRASS 15-14 - KMG - SURVEYS						Out of range
SWEETGRASS 16-14 - KMG - SURVEYS						Out of range
SWEETGRASS 23-14 - KMG - SURVEYS						Out of range
SWEETGRASS 24-14 - KMG - SURVEYS						Out of range
SWEETGRASS 25-14 - KMG - SURVEYS						Out of range
SWEETGRASS 33-14 - KMG - SURVEYS						Out of range
SWEETGRASS 39-14 - KMG - SURVEYS						Out of range
SWEETGRASS 9-14 - KMG - SURVEYS						Out of range
UPRC 25-12V - KMG - NO SURVEYS						Out of range
UPRC UU 25-14 JI - KMG - NO SURVEYS						Out of range
UPRR 43 PAN AM 'Z' 1 - KMG - NO SURVEYS						Out of range
UPRR 43 Pan Am I 1 - AMOCO - NO SURVEYS						Out of range
UPRR 43 PAN AM U 2 - KMG - NO SURVEYS						Out of range
UPRR 43 PAN AM UNIT U1 - KMG - NO SURVEYS						Out of range
UPRR 43 PAN AM Z 1 - KMG - NO SURVEYS						Out of range
UPRR 43 PAN AM-C 1 - AMOCO - NO SURVEYS						Out of range
UPRR 43 PAN AM-I 29 - KPK - NO SURVEYS						Out of range

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4A-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
0.00	0.00	6.00	-6.00	0.00	0.01	83.96	66.30	626.28	629.77				
100.00	100.00	106.00	94.00	0.14	0.16	83.96	66.30	626.28	629.77	629.48	0.30	2,116.664	
200.00	200.00	194.00	194.00	0.50	0.47	83.96	66.30	626.28	629.77	628.80	0.97	648.278	
300.00	300.00	318.03	317.99	0.85	0.91	84.04	65.16	624.13	627.98	626.21	1.77	355.512	
400.00	400.00	443.14	442.84	1.21	1.35	84.31	61.47	617.16	622.14	619.57	2.57	241.993	
500.00	500.00	567.32	566.32	1.57	1.82	84.78	55.29	605.49	612.30	608.92	3.38	181.258	
600.00	600.00	690.14	687.75	1.93	2.31	85.47	46.72	589.31	598.55	594.37	4.18	143.059	
700.00	700.00	789.47	785.60	2.29	2.72	86.14	38.73	574.25	582.80	577.89	4.91	118.711	
800.00	799.98	888.25	882.92	2.64	3.14	-169.22	30.79	559.26	568.82	563.19	5.62	101.138	
900.00	899.84	987.50	980.69	2.98	3.57	-168.63	22.81	544.20	558.31	551.98	6.34	88.109	
1,000.00	999.45	1,087.09	1,078.80	3.33	4.00	-168.07	14.81	529.09	551.28	544.22	7.07	78.029	
1,100.00	1,098.70	1,186.89	1,177.13	3.70	4.44	-167.57	6.79	513.95	547.71	539.91	7.80	70.191	
1,153.55	1,151.66	1,240.39	1,229.83	3.90	4.67	-167.32	2.49	505.83	547.22	539.02	8.20	66.709 CC, ES	
1,200.00	1,197.47	1,286.80	1,275.55	4.08	4.88	-167.12	-1.24	498.79	547.59	539.04	8.55	64.045	
1,300.00	1,295.62	1,386.68	1,373.95	4.47	5.32	-166.75	-9.27	483.63	550.90	541.59	9.30	59.205	
1,400.00	1,393.06	1,486.41	1,472.20	4.90	5.76	-166.44	-17.29	468.50	557.61	547.55	10.07	55.390	
1,500.00	1,489.64	1,585.88	1,570.19	5.36	6.19	-166.21	-25.29	453.41	567.72	556.88	10.84	52.393	
1,600.00	1,585.63	1,685.11	1,667.95	5.85	6.63	-166.08	-33.26	438.35	580.00	568.39	11.61	49.958	
1,700.00	1,681.60	1,784.34	1,765.71	6.35	7.07	-165.97	-41.24	423.30	592.33	579.95	12.39	47.816	
1,800.00	1,777.57	1,883.57	1,863.46	6.87	7.51	-165.86	-49.22	408.24	604.66	591.49	13.17	45.908	
1,900.00	1,873.55	1,982.80	1,961.22	7.40	7.95	-165.75	-57.19	393.18	617.00	603.04	13.96	44.200	
2,000.00	1,969.52	2,082.03	2,058.97	7.94	8.39	-165.65	-65.17	378.13	629.33	614.58	14.75	42.663	
2,100.00	2,065.49	2,181.26	2,156.73	8.48	8.83	-165.55	-73.15	363.07	641.67	626.12	15.55	41.275	
2,200.00	2,161.47	2,280.49	2,254.49	9.03	9.27	-165.45	-81.12	348.02	654.01	637.66	16.34	40.014	
2,300.00	2,257.44	2,379.72	2,352.24	9.58	9.71	-165.36	-89.10	332.96	666.35	649.20	17.15	38.865	
2,400.00	2,353.41	2,478.95	2,450.00	10.14	10.15	-165.28	-97.08	317.91	678.69	660.74	17.95	37.814	
2,500.00	2,449.39	2,578.18	2,547.76	10.70	10.59	-165.19	-105.05	302.85	691.03	672.28	18.75	36.850	
2,600.00	2,545.36	2,677.42	2,645.51	11.27	11.03	-165.11	-113.03	287.79	703.38	683.82	19.56	35.961	
2,700.00	2,641.33	2,776.65	2,743.27	11.83	11.47	-165.03	-121.01	272.74	715.73	695.36	20.37	35.140	
2,800.00	2,737.31	2,875.88	2,841.03	12.40	11.91	-164.95	-128.98	257.68	728.07	706.90	21.18	34.380	
2,900.00	2,833.28	2,975.11	2,938.78	12.97	12.35	-164.88	-136.96	242.63	740.42	718.44	21.99	33.674	
3,000.00	2,929.25	3,074.34	3,036.54	13.54	12.79	-164.81	-144.93	227.57	752.77	729.97	22.80	33.016	
3,100.00	3,025.23	3,173.57	3,134.30	14.11	13.24	-164.74	-152.91	212.51	765.12	741.51	23.61	32.403	
3,200.00	3,121.20	3,272.80	3,232.05	14.69	13.68	-164.67	-160.89	197.46	777.48	753.05	24.43	31.828	
3,300.00	3,217.17	3,372.03	3,329.81	15.26	14.12	-164.61	-168.86	182.40	789.83	764.59	25.24	31.290	
3,400.00	3,313.15	3,471.26	3,427.56	15.84	14.56	-164.55	-176.84	167.35	802.18	776.13	26.06	30.785	
3,500.00	3,409.12	3,570.49	3,525.32	16.42	15.00	-164.49	-184.82	152.29	814.54	787.67	26.87	30.309	
3,600.00	3,505.09	3,669.72	3,623.08	16.99	15.44	-164.43	-192.79	137.23	826.90	799.20	27.69	29.861	
3,700.00	3,601.07	3,768.95	3,720.83	17.57	15.88	-164.37	-200.77	122.18	839.25	810.74	28.51	29.438	
3,800.00	3,697.04	3,868.18	3,818.59	18.15	16.33	-164.31	-208.75	107.12	851.61	822.28	29.33	29.038	
3,900.00	3,793.01	3,967.41	3,916.35	18.73	16.77	-164.26	-216.72	92.07	863.97	833.82	30.15	28.659	
4,000.00	3,888.99	4,066.64	4,014.10	19.31	17.21	-164.21	-224.70	77.01	876.33	845.36	30.97	28.299	
4,100.00	3,984.96	4,165.87	4,111.86	19.89	17.65	-164.16	-232.68	61.95	888.69	856.90	31.79	27.958	
4,200.00	4,080.93	4,265.10	4,209.62	20.47	18.09	-164.11	-240.65	46.90	901.05	868.44	32.61	27.633	
4,300.00	4,176.91	4,364.33	4,307.37	21.05	18.53	-164.06	-248.63	31.84	913.41	879.98	33.43	27.324	
4,400.00	4,272.88	4,463.56	4,405.13	21.63	18.97	-164.01	-256.61	16.79	925.77	891.52	34.25	27.030	
4,500.00	4,368.85	4,562.79	4,502.89	22.21	19.42	-163.97	-264.58	1.73	938.13	903.06	35.07	26.749	
4,600.00	4,464.83	4,662.02	4,600.64	22.80	19.86	-163.92	-272.56	-13.33	950.50	914.60	35.89	26.481	
4,700.00	4,560.80	4,761.25	4,698.40	23.38	20.30	-163.88	-280.54	-28.38	962.86	926.14	36.72	26.224	
4,800.00	4,656.77	4,860.48	4,796.15	23.96	20.74	-163.84	-288.51	-43.44	975.22	937.69	37.54	25.979	
4,900.00	4,752.75	4,959.71	4,893.91	24.54	21.18	-163.80	-296.49	-58.49	987.59	949.23	38.36	25.744	
5,000.00	4,848.72	5,058.94	4,991.67	25.13	21.63	-163.75	-304.47	-73.55	999.95	960.77	39.19	25.518	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4A-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference				Offset			Semi Major Axis			Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
5,100.00	4,944.69	5,158.17	5,089.42	25.71	22.07	-163.72	-312.44	-88.61	1,012.32	972.31	40.01	25.302		
5,200.00	5,040.67	5,257.40	5,187.18	26.29	22.51	-163.68	-320.42	-103.66	1,024.69	983.85	40.83	25.094		
5,300.00	5,136.64	5,356.63	5,284.94	26.88	22.95	-163.64	-328.40	-118.72	1,037.05	995.39	41.66	24.894		
5,400.00	5,232.61	5,455.86	5,382.69	27.46	23.39	-163.60	-336.37	-133.77	1,049.42	1,006.94	42.48	24.702		
5,500.00	5,328.59	5,555.09	5,480.45	28.05	23.83	-163.57	-344.35	-148.83	1,061.79	1,018.48	43.31	24.517		
5,600.00	5,424.56	5,636.88	5,561.11	28.63	24.19	-163.55	-350.69	-160.80	1,074.73	1,030.70	44.03	24.410		
5,700.00	5,520.53	5,711.36	5,634.85	29.21	24.50	-163.59	-355.58	-170.04	1,089.82	1,045.15	44.68	24.393		
5,800.00	5,616.51	5,785.27	5,708.27	29.80	24.79	-163.68	-359.55	-177.52	1,107.13	1,061.84	45.29	24.446		
5,900.00	5,712.48	5,858.51	5,781.22	30.38	25.06	-163.81	-362.61	-183.29	1,126.64	1,080.78	45.86	24.567		
6,000.00	5,808.45	5,931.00	5,853.56	30.97	25.32	-163.98	-364.77	-187.37	1,148.31	1,101.92	46.39	24.752		
6,100.00	5,904.43	6,000.00	5,922.50	31.55	25.55	-164.20	-366.03	-189.76	1,172.13	1,125.27	46.87	25.011		
13,400.00	7,900.00	13,437.22	7,900.00	90.14	92.12	90.29	5,397.24	-279.61	1,182.61	1,000.44	182.17	6.492		
13,500.00	7,900.00	13,536.21	7,900.00	91.61	93.71	90.30	5,495.29	-293.27	1,168.46	983.22	185.24	6.308		
13,600.00	7,900.00	13,635.21	7,900.00	93.09	95.30	90.30	5,593.33	-306.93	1,154.31	965.99	188.32	6.130		
13,700.00	7,900.00	13,734.20	7,900.00	94.56	96.90	90.30	5,691.38	-320.59	1,140.16	948.76	191.40	5.957		
13,800.00	7,900.00	13,833.19	7,900.00	96.04	98.50	90.31	5,789.43	-334.25	1,126.01	931.52	194.50	5.789		
13,900.00	7,900.00	13,932.19	7,900.00	97.53	100.11	90.31	5,887.47	-347.91	1,111.87	914.27	197.59	5.627		
14,000.00	7,900.00	14,031.18	7,900.00	99.01	101.72	90.32	5,985.52	-361.57	1,097.72	897.02	200.70	5.470		
14,100.00	7,900.00	14,100.00	7,900.00	100.50	102.83	90.32	6,053.78	-370.36	1,084.70	881.44	203.27	5.336		
14,200.00	7,900.00	14,176.54	7,900.00	101.99	104.06	90.32	6,129.91	-378.21	1,074.16	868.29	205.87	5.218		
14,300.00	7,900.00	14,249.12	7,900.00	103.49	105.21	90.32	6,202.27	-383.77	1,066.14	857.87	208.28	5.119		
14,400.00	7,900.00	14,321.94	7,900.00	104.98	106.34	90.32	6,274.99	-387.51	1,060.66	850.11	210.56	5.037		
14,500.00	7,900.00	14,400.00	7,900.00	106.48	107.55	90.33	6,353.03	-389.46	1,057.74	844.85	212.88	4.969		
14,600.00	7,900.00	14,481.04	7,900.00	107.98	108.78	90.33	6,434.07	-389.64	1,057.03	841.80	215.23	4.911		
14,700.00	7,900.00	14,561.04	7,900.00	109.49	110.30	90.33	6,514.07	-389.65	1,056.67	838.40	218.27	4.841		
14,800.00	7,900.00	14,641.04	7,900.00	110.99	111.82	90.33	6,634.07	-389.65	1,056.31	834.99	221.32	4.773		
14,900.00	7,900.00	14,781.04	7,900.00	112.50	113.34	90.33	6,734.07	-389.65	1,055.96	831.59	224.37	4.706		
15,000.00	7,900.00	14,881.04	7,900.00	114.01	114.87	90.33	6,834.07	-389.65	1,055.60	828.18	227.42	4.642		
15,100.00	7,900.00	14,981.04	7,900.00	115.52	116.39	90.33	6,934.07	-389.66	1,055.25	824.77	230.48	4.579		
15,200.00	7,900.00	15,081.04	7,900.00	117.04	117.92	90.33	7,034.07	-389.66	1,054.89	821.35	233.54	4.517		
15,300.00	7,900.00	15,181.04	7,900.00	118.55	119.45	90.33	7,134.07	-389.66	1,054.54	817.94	236.60	4.457		
15,400.00	7,900.00	15,281.04	7,900.00	120.07	120.98	90.33	7,234.07	-389.66	1,054.18	814.52	239.66	4.399		
15,500.00	7,900.00	15,381.04	7,900.00	121.59	122.51	90.33	7,334.06	-389.67	1,053.82	811.10	242.73	4.342		
15,600.00	7,900.00	15,481.03	7,900.00	123.11	124.04	90.33	7,434.06	-389.67	1,053.47	807.67	245.80	4.286		
15,700.00	7,900.00	15,581.03	7,900.00	124.63	125.58	90.33	7,534.06	-389.67	1,053.11	804.24	248.87	4.232		
15,800.00	7,900.00	15,681.03	7,900.00	126.15	127.11	90.33	7,634.06	-389.67	1,052.76	800.81	251.94	4.179		
15,900.00	7,900.00	15,781.03	7,900.00	127.67	128.65	90.33	7,734.06	-389.68	1,052.40	797.38	255.02	4.127		
16,000.00	7,900.00	15,881.03	7,900.00	129.20	130.18	90.33	7,834.06	-389.68	1,052.05	793.95	258.10	4.076		
16,100.00	7,900.00	15,981.03	7,900.00	130.73	131.72	90.33	7,934.06	-389.68	1,051.69	790.51	261.18	4.027		
16,200.00	7,900.00	16,081.03	7,900.00	132.25	133.26	90.33	8,034.06	-389.68	1,051.33	787.08	264.26	3.978		
16,300.00	7,900.00	16,181.03	7,900.00	133.78	134.80	90.33	8,134.06	-389.69	1,050.98	783.64	267.34	3.931		
16,400.00	7,900.00	16,281.03	7,900.00	135.31	136.34	90.33	8,234.06	-389.69	1,050.62	780.19	270.43	3.885		
16,500.00	7,900.00	16,381.03	7,900.00	136.84	137.88	90.33	8,334.06	-389.69	1,050.27	776.75	273.51	3.840		
16,600.00	7,900.00	16,481.03	7,900.00	138.38	139.43	90.33	8,434.06	-389.69	1,049.91	773.31	276.60	3.796		
16,700.00	7,900.00	16,581.03	7,900.00	139.91	140.97	90.33	8,534.06	-389.70	1,049.55	769.86	279.69	3.753		
16,800.00	7,900.00	16,681.03	7,900.00	141.44	142.51	90.33	8,634.06	-389.70	1,049.20	766.41	282.79	3.710		
16,900.00	7,900.00	16,781.03	7,900.00	142.98	144.06	90.33	8,734.06	-389.70	1,048.84	762.96	285.88	3.669		
17,000.00	7,900.00	16,881.03	7,900.00	144.52	145.61	90.33	8,834.05	-389.70	1,048.49	759.51	288.97	3.628		
17,100.00	7,900.00	16,981.03	7,900.00	146.05	147.15	90.33	8,934.05	-389.71	1,048.13	756.06	292.07	3.589		
17,200.00	7,900.00	17,081.02	7,900.00	147.59	148.70	90.33	9,034.05	-389.71	1,047.78	752.61	295.17	3.550		
17,300.00	7,900.00	17,181.02	7,900.00	149.13	150.25	90.33	9,134.05	-389.71	1,047.42	749.15	298.27	3.512		
17,400.00	7,900.00	17,281.02	7,900.00	150.67	151.80	90.33	9,234.05	-389.72	1,047.06	745.69	301.37	3.474		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													S26-T1N-R68W - GOLTL EAST- 4A-26H-O168 - OH - PLAN #1		Offset Site Error:		0.00 usft	
Survey Program:													0-MWD+HDGM		Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor						
17,500.00	7,900.00	17,381.02	7,900.00	152.21	153.35	90.33	9,334.05	-389.72	1,046.71	742.24	304.47	3.438						
17,600.00	7,900.00	17,481.02	7,900.00	153.75	154.90	90.33	9,434.05	-389.72	1,046.35	738.78	307.57	3.402						
17,700.00	7,900.00	17,581.02	7,900.00	155.29	156.45	90.33	9,534.05	-389.72	1,046.00	735.32	310.68	3.367						
17,800.00	7,900.00	17,681.02	7,900.00	156.84	158.00	90.33	9,634.05	-389.73	1,045.64	731.86	313.78	3.332						
17,900.00	7,900.00	17,781.02	7,900.00	158.38	159.55	90.33	9,734.05	-389.73	1,045.29	728.39	316.89	3.299						
17,930.78	7,900.00	17,811.80	7,900.00	158.86	160.03	90.33	9,764.83	-389.73	1,045.18	727.33	317.85	3.288 SF						

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4B-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	84.85	56.47	626.28	628.82					
100.00	100.00	106.00	94.00	0.14	0.16	84.85	56.47	626.28	628.82	628.52	0.30	2,113.441		
200.00	200.00	206.00	194.00	0.50	0.52	84.85	56.47	626.28	628.82	627.80	1.01	619.844		
300.00	300.00	294.00	294.00	0.85	0.83	84.85	56.47	626.28	628.82	627.13	1.69	372.433		
400.00	400.00	416.62	416.59	1.21	1.26	84.95	55.18	624.28	627.12	624.65	2.47	253.454		
500.00	500.00	540.25	539.97	1.57	1.69	85.28	51.01	617.81	621.62	618.36	3.26	190.481		
600.00	600.00	662.99	662.02	1.93	2.14	85.85	44.02	606.97	612.36	608.30	4.06	150.925		
700.00	700.00	772.61	770.54	2.29	2.57	86.57	35.65	593.99	599.96	595.15	4.81	124.723		
800.00	799.98	871.75	868.63	2.64	2.96	-168.80	27.80	581.82	588.95	583.43	5.52	106.696		
900.00	899.84	971.27	967.07	2.98	3.36	-168.21	19.92	569.61	581.42	575.19	6.23	93.324		
1,000.00	999.45	1,071.02	1,065.75	3.33	3.77	-167.66	12.03	557.37	577.36	570.41	6.95	83.079		
1,067.39	1,066.38	1,138.31	1,132.33	3.58	4.05	-167.33	6.70	549.11	576.58	569.13	7.44	77.469 CC		
1,100.00	1,098.70	1,170.89	1,164.55	3.70	4.18	-167.17	4.12	545.11	576.76	569.08	7.68	75.084 ES		
1,200.00	1,197.47	1,270.75	1,263.35	4.08	4.59	-166.75	-3.78	532.86	579.60	571.18	8.42	68.827		
1,300.00	1,295.62	1,370.50	1,362.02	4.47	5.01	-166.39	-11.67	520.62	585.86	576.69	9.17	63.903		
1,400.00	1,393.06	1,469.99	1,460.45	4.90	5.42	-166.10	-19.55	508.41	595.51	585.59	9.92	60.023		
1,500.00	1,489.64	1,569.12	1,558.52	5.36	5.83	-165.89	-27.39	496.24	608.54	597.86	10.68	56.974		
1,600.00	1,585.63	1,667.96	1,656.29	5.85	6.25	-165.78	-35.22	484.11	623.73	612.28	11.45	54.497		
1,700.00	1,681.60	1,766.79	1,754.06	6.35	6.66	-165.69	-43.04	471.98	638.97	626.75	12.21	52.320		
1,800.00	1,777.57	1,865.61	1,851.83	6.87	7.07	-165.61	-50.86	459.85	654.20	641.22	12.99	50.380		
1,900.00	1,873.55	1,964.44	1,949.60	7.40	7.49	-165.53	-58.68	447.73	669.44	655.68	13.76	48.641		
2,000.00	1,969.52	2,063.27	2,047.37	7.94	7.90	-165.45	-66.50	435.60	684.68	670.14	14.54	47.076		
2,100.00	2,065.49	2,162.10	2,145.14	8.48	8.32	-165.37	-74.33	423.47	699.92	684.59	15.33	45.661		
2,200.00	2,161.47	2,260.93	2,242.90	9.03	8.73	-165.30	-82.15	411.34	715.16	699.05	16.12	44.376		
2,300.00	2,257.44	2,359.75	2,340.67	9.58	9.15	-165.23	-89.97	399.21	730.41	713.50	16.91	43.204		
2,400.00	2,353.41	2,458.58	2,438.44	10.14	9.56	-165.17	-97.79	387.08	745.65	727.95	17.70	42.132		
2,500.00	2,449.39	2,557.41	2,536.21	10.70	9.98	-165.11	-105.61	374.95	760.90	742.40	18.49	41.147		
2,600.00	2,545.36	2,656.24	2,633.98	11.27	10.40	-165.05	-113.43	362.83	776.14	756.85	19.29	40.241		
2,700.00	2,641.33	2,755.06	2,731.75	11.83	10.81	-164.99	-121.26	350.70	791.39	771.30	20.08	39.403		
2,800.00	2,737.31	2,853.89	2,829.51	12.40	11.23	-164.93	-129.08	338.57	806.64	785.75	20.88	38.626		
2,900.00	2,833.28	2,952.72	2,927.28	12.97	11.64	-164.88	-136.90	326.44	821.88	800.20	21.68	37.905		
3,000.00	2,929.25	3,051.55	3,025.05	13.54	12.06	-164.83	-144.72	314.31	837.13	814.65	22.48	37.234		
3,100.00	3,025.23	3,150.38	3,122.82	14.11	12.48	-164.78	-152.54	302.18	852.38	829.10	23.28	36.607		
3,200.00	3,121.20	3,249.20	3,220.59	14.69	12.89	-164.73	-160.36	290.05	867.63	843.54	24.09	36.020		
3,300.00	3,217.17	3,348.03	3,318.36	15.26	13.31	-164.68	-168.19	277.93	882.88	857.99	24.89	35.470		
3,400.00	3,313.15	3,446.86	3,416.12	15.84	13.73	-164.64	-176.01	265.80	898.13	872.44	25.69	34.954		
3,500.00	3,409.12	3,545.69	3,513.89	16.42	14.14	-164.59	-183.83	253.67	913.39	886.89	26.50	34.468		
3,600.00	3,505.09	3,644.51	3,611.66	16.99	14.56	-164.55	-191.65	241.54	928.64	901.33	27.31	34.009		
3,700.00	3,601.07	3,743.34	3,709.43	17.57	14.97	-164.51	-199.47	229.41	943.89	915.78	28.11	33.577		
3,800.00	3,697.04	3,842.17	3,807.20	18.15	15.39	-164.47	-207.29	217.28	959.14	930.22	28.92	33.168		
3,900.00	3,793.01	3,941.00	3,904.97	18.73	15.81	-164.44	-215.12	205.15	974.40	944.67	29.72	32.780		
4,000.00	3,888.99	4,039.83	4,002.73	19.31	16.23	-164.40	-222.94	193.03	989.65	959.12	30.53	32.413		
4,100.00	3,984.96	4,138.65	4,100.50	19.89	16.64	-164.36	-230.76	180.90	1,004.90	973.56	31.34	32.064		
4,200.00	4,080.93	4,237.48	4,198.27	20.47	17.06	-164.33	-238.58	168.77	1,020.16	988.01	32.15	31.732		
4,300.00	4,176.91	4,336.31	4,296.04	21.05	17.48	-164.29	-246.40	156.64	1,035.41	1,002.46	32.96	31.416		
4,400.00	4,272.88	4,435.14	4,393.81	21.63	17.89	-164.26	-254.23	144.51	1,050.67	1,016.90	33.77	31.115		
4,500.00	4,368.85	4,533.96	4,491.58	22.21	18.31	-164.23	-262.05	132.38	1,065.93	1,031.35	34.58	30.828		
4,600.00	4,464.83	4,632.79	4,589.34	22.80	18.73	-164.20	-269.87	120.25	1,081.18	1,045.79	35.39	30.554		
4,700.00	4,560.80	4,731.62	4,687.11	23.38	19.14	-164.17	-277.69	108.13	1,096.44	1,060.24	36.20	30.291		
4,800.00	4,656.77	4,830.45	4,784.88	23.96	19.56	-164.14	-285.51	96.00	1,111.69	1,074.69	37.01	30.040		
4,900.00	4,752.75	4,929.28	4,882.65	24.54	19.98	-164.11	-293.33	83.87	1,126.95	1,089.13	37.82	29.800		
5,000.00	4,848.72	5,028.10	4,980.42	25.13	20.39	-164.08	-301.16	71.74	1,142.21	1,103.58	38.63	29.569		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4B-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
5,100.00	4,944.69	5,126.93	5,078.19	25.71	20.81	-164.06	-308.98	59.61	1,157.47	1,118.03	39.44	29.348	
5,200.00	5,040.67	5,225.76	5,175.95	26.29	21.23	-164.03	-316.80	47.48	1,172.72	1,132.47	40.25	29.135	
5,300.00	5,136.64	5,324.59	5,273.72	26.88	21.65	-164.01	-324.62	35.35	1,187.98	1,146.92	41.06	28.931 SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT EAST- 4C-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	85.77	46.27	626.28	627.98					
100.00	100.00	106.00	94.00	0.14	0.16	85.77	46.27	626.28	627.98	627.69	0.30	2,110.641		
200.00	200.00	206.00	194.00	0.50	0.52	85.77	46.27	626.28	627.98	626.97	1.01	619.022		
300.00	300.00	306.00	294.00	0.85	0.88	85.77	46.27	626.28	627.98	626.25	1.73	362.699		
400.00	400.00	394.00	394.00	1.21	1.19	85.77	46.27	626.28	627.98	625.58	2.41	261.078		
500.00	500.00	515.36	515.33	1.57	1.61	85.89	44.89	624.41	626.38	623.20	3.18	196.716		
600.00	600.00	637.67	637.40	1.93	2.04	86.26	40.43	618.34	621.18	617.22	3.96	156.795		
700.00	700.00	759.12	758.18	2.29	2.47	86.90	32.94	608.17	612.44	607.69	4.74	129.109		
800.00	799.98	862.09	860.26	2.64	2.86	-168.44	24.92	597.28	603.16	597.70	5.46	110.519		
900.00	899.84	961.71	959.01	2.98	3.25	-167.86	17.12	586.68	597.32	591.16	6.16	96.965		
1,000.00	999.45	1,061.52	1,057.94	3.33	3.64	-167.33	9.30	576.07	594.94	588.07	6.87	86.544		
1,018.68	1,018.02	1,080.17	1,076.43	3.40	3.71	-167.24	7.84	574.08	594.88	587.87	7.01	84.868 CC, ES		
1,100.00	1,098.70	1,161.39	1,156.93	3.70	4.03	-166.85	1.48	565.44	596.02	588.42	7.60	78.425		
1,200.00	1,197.47	1,261.20	1,255.87	4.08	4.43	-166.44	-6.33	554.83	600.53	592.20	8.33	72.062		
1,300.00	1,295.62	1,360.83	1,354.62	4.47	4.83	-166.10	-14.14	544.23	608.45	599.37	9.07	67.052		
1,400.00	1,393.06	1,460.15	1,453.08	4.90	5.23	-165.82	-21.91	533.66	619.75	609.93	9.82	63.101		
1,500.00	1,489.64	1,559.06	1,551.12	5.36	5.63	-165.62	-29.66	523.14	634.42	623.84	10.58	59.992		
1,600.00	1,585.63	1,657.63	1,648.82	5.85	6.03	-165.53	-37.38	512.66	651.24	639.91	11.33	57.465		
1,700.00	1,681.60	1,756.19	1,746.52	6.35	6.43	-165.45	-45.10	502.17	668.11	656.01	12.09	55.244		
1,800.00	1,777.57	1,854.76	1,844.22	6.87	6.83	-165.39	-52.82	491.69	684.97	672.11	12.86	53.263		
1,900.00	1,873.55	1,953.32	1,941.93	7.40	7.23	-165.32	-60.54	481.20	701.84	688.21	13.63	51.488		
2,000.00	1,969.52	2,051.88	2,039.63	7.94	7.63	-165.26	-68.26	470.72	718.71	704.30	14.41	49.889		
2,100.00	2,065.49	2,150.45	2,137.33	8.48	8.03	-165.20	-75.97	460.24	735.58	720.39	15.18	48.442		
2,200.00	2,161.47	2,249.01	2,235.03	9.03	8.43	-165.15	-83.69	449.75	752.44	736.48	15.97	47.129		
2,300.00	2,257.44	2,347.58	2,332.73	9.58	8.84	-165.09	-91.41	439.27	769.31	752.56	16.75	45.931		
2,400.00	2,353.41	2,446.14	2,430.43	10.14	9.24	-165.04	-99.13	428.78	786.18	768.65	17.54	44.835		
2,500.00	2,449.39	2,544.71	2,528.13	10.70	9.64	-164.99	-106.85	418.30	803.06	784.73	18.32	43.828		
2,600.00	2,545.36	2,643.27	2,625.83	11.27	10.05	-164.94	-114.57	407.82	819.93	800.81	19.11	42.900		
2,700.00	2,641.33	2,741.83	2,723.53	11.83	10.45	-164.90	-122.29	397.33	836.80	816.90	19.90	42.043		
2,800.00	2,737.31	2,840.40	2,821.23	12.40	10.85	-164.86	-130.01	386.85	853.67	832.98	20.70	41.249		
2,900.00	2,833.28	2,938.96	2,918.93	12.97	11.26	-164.81	-137.73	376.36	870.54	849.06	21.49	40.511		
3,000.00	2,929.25	3,037.53	3,016.63	13.54	11.66	-164.77	-145.44	365.88	887.42	865.13	22.28	39.824		
3,100.00	3,025.23	3,136.09	3,114.33	14.11	12.06	-164.73	-153.16	355.39	904.29	881.21	23.08	39.183		
3,200.00	3,121.20	3,234.66	3,212.03	14.69	12.47	-164.70	-160.88	344.91	921.17	897.29	23.88	38.582		
3,300.00	3,217.17	3,333.22	3,309.73	15.26	12.87	-164.66	-168.60	334.43	938.04	913.37	24.67	38.020		
3,400.00	3,313.15	3,431.78	3,407.43	15.84	13.28	-164.63	-176.32	323.94	954.92	929.45	25.47	37.491		
3,500.00	3,409.12	3,530.35	3,505.14	16.42	13.68	-164.59	-184.04	313.46	971.79	945.52	26.27	36.994		
3,600.00	3,505.09	3,628.91	3,602.84	16.99	14.09	-164.56	-191.76	302.97	988.67	961.60	27.07	36.525		
3,700.00	3,601.07	3,727.48	3,700.54	17.57	14.49	-164.53	-199.48	292.49	1,005.54	977.67	27.87	36.083		
3,800.00	3,697.04	3,826.04	3,798.24	18.15	14.89	-164.50	-207.20	282.00	1,022.42	993.75	28.67	35.664		
3,900.00	3,793.01	3,924.61	3,895.94	18.73	15.30	-164.47	-214.91	271.52	1,039.29	1,009.83	29.47	35.268		
4,000.00	3,888.99	4,023.17	3,993.64	19.31	15.70	-164.44	-222.63	261.04	1,056.17	1,025.90	30.27	34.892		
4,100.00	3,984.96	4,121.73	4,091.34	19.89	16.11	-164.41	-230.35	250.55	1,073.05	1,041.98	31.07	34.535		
4,200.00	4,080.93	4,220.30	4,189.04	20.47	16.51	-164.39	-238.07	240.07	1,089.93	1,058.05	31.87	34.196		
4,300.00	4,176.91	4,318.86	4,286.74	21.05	16.92	-164.36	-245.79	229.58	1,106.80	1,074.13	32.68	33.872		
4,400.00	4,272.88	4,417.43	4,384.44	21.63	17.32	-164.34	-253.51	219.10	1,123.68	1,090.20	33.48	33.564		
4,500.00	4,368.85	4,515.99	4,482.14	22.21	17.73	-164.31	-261.23	208.61	1,140.56	1,106.28	34.28	33.270		
4,600.00	4,464.83	4,614.55	4,579.84	22.80	18.13	-164.29	-268.95	198.13	1,157.44	1,122.35	35.08	32.990		
4,700.00	4,560.80	4,713.12	4,677.54	23.38	18.54	-164.27	-276.67	187.65	1,174.31	1,138.43	35.89	32.721		
4,800.00	4,656.77	4,811.68	4,775.24	23.96	18.94	-164.24	-284.38	177.16	1,191.19	1,154.50	36.69	32.464 SF		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT EAST- 4D-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
0.00	0.00	6.00	-6.00	0.00	0.01	86.67	36.43	626.00	627.06				
100.00	100.00	106.00	94.00	0.14	0.16	86.67	36.43	626.00	627.06	626.76	0.30	2,107.523	
200.00	200.00	194.00	194.00	0.50	0.47	86.67	36.43	626.00	627.06	626.08	0.97	645.478	
300.00	300.00	313.96	313.93	0.85	0.89	86.79	34.97	624.26	625.56	623.81	1.75	357.568	
400.00	400.00	434.78	434.52	1.21	1.32	87.20	30.25	618.63	620.69	618.16	2.54	244.748	
500.00	500.00	539.34	538.58	1.57	1.70	87.80	23.52	611.03	613.10	609.83	3.27	187.501	
600.00	600.00	629.30	628.06	1.93	2.04	88.50	15.86	605.72	606.89	602.93	3.96	153.377	
700.00	700.00	728.75	726.96	2.29	2.42	89.34	6.93	600.40	601.34	596.66	4.69	128.327	
800.00	799.98	828.31	825.98	2.64	2.80	-165.85	-2.02	595.06	597.62	592.21	5.41	110.504	
856.57	856.49	884.70	882.05	2.83	3.02	-165.42	-7.08	592.04	597.06	591.24	5.81	102.676 CC, ES	
900.00	899.84	928.01	925.13	2.98	3.19	-165.11	-10.97	589.72	597.39	591.26	6.13	97.481	
1,000.00	999.45	1,027.72	1,024.29	3.33	3.57	-164.44	-19.93	584.38	600.62	593.76	6.86	87.593	
1,100.00	1,098.70	1,127.33	1,123.35	3.70	3.96	-163.86	-28.87	579.05	607.28	599.68	7.59	79.990	
1,200.00	1,197.47	1,226.70	1,222.18	4.08	4.35	-163.35	-37.80	573.73	617.32	608.99	8.33	74.089	
1,300.00	1,295.62	1,325.73	1,320.66	4.47	4.73	-162.94	-46.69	568.42	630.71	621.64	9.08	69.482	
1,400.00	1,393.06	1,424.28	1,418.68	4.90	5.12	-162.60	-55.54	563.14	647.42	637.59	9.83	65.880	
1,500.00	1,489.64	1,522.25	1,516.11	5.36	5.50	-162.35	-64.34	557.89	667.41	656.83	10.58	63.072	
1,600.00	1,585.63	1,619.78	1,613.10	5.85	5.88	-162.27	-73.10	552.67	689.50	678.16	11.34	60.805	
1,700.00	1,681.60	1,717.29	1,710.08	6.35	6.27	-162.21	-81.86	547.45	711.63	699.53	12.10	58.817	
1,800.00	1,777.57	1,814.81	1,807.07	6.87	6.65	-162.16	-90.62	542.22	733.76	720.90	12.86	57.039	
1,900.00	1,873.55	1,912.33	1,904.05	7.40	7.03	-162.11	-99.38	537.00	755.89	742.26	13.63	55.442	
2,000.00	1,969.52	2,009.85	2,001.03	7.94	7.41	-162.06	-108.13	531.78	778.03	763.62	14.41	54.001	
2,100.00	2,065.49	2,107.37	2,098.02	8.48	7.79	-162.01	-116.89	526.55	800.16	784.98	15.18	52.695	
2,200.00	2,161.47	2,204.88	2,195.00	9.03	8.18	-161.97	-125.65	521.33	822.29	806.33	15.96	51.507	
2,300.00	2,257.44	2,302.40	2,291.98	9.58	8.56	-161.93	-134.41	516.11	844.43	827.68	16.75	50.423	
2,400.00	2,353.41	2,400.08	2,388.97	10.14	8.94	-161.89	-143.17	510.88	866.56	849.03	17.53	49.427	
2,500.00	2,449.39	2,502.56	2,485.95	10.70	9.34	-161.86	-151.93	505.66	888.70	870.36	18.34	48.463	
2,600.00	2,545.36	2,605.04	2,582.93	11.27	9.75	-161.82	-160.69	500.44	910.83	891.69	19.14	47.576	
2,700.00	2,641.33	2,707.53	2,679.92	11.83	10.15	-161.79	-169.44	495.21	932.97	913.01	19.95	46.757	
2,800.00	2,737.31	2,789.99	2,776.90	12.40	10.47	-161.76	-178.20	489.99	955.10	934.42	20.69	46.172	
2,900.00	2,833.28	2,887.51	2,873.88	12.97	10.85	-161.73	-186.96	484.77	977.24	955.76	21.48	45.501	
3,000.00	2,929.25	2,985.03	2,970.87	13.54	11.24	-161.70	-195.72	479.54	999.37	977.10	22.27	44.875	
3,100.00	3,025.23	3,082.55	3,067.85	14.11	11.62	-161.67	-204.48	474.32	1,021.51	998.45	23.06	44.290	
3,200.00	3,121.20	3,180.06	3,164.83	14.69	12.00	-161.64	-213.24	469.10	1,043.65	1,019.79	23.86	43.743	
3,300.00	3,217.17	3,277.58	3,261.82	15.26	12.39	-161.62	-222.00	463.87	1,065.78	1,041.13	24.65	43.230	
3,400.00	3,313.15	3,375.10	3,358.80	15.84	12.77	-161.59	-230.75	458.65	1,087.92	1,062.47	25.45	42.748	
3,500.00	3,409.12	3,472.62	3,455.78	16.42	13.15	-161.57	-239.51	453.43	1,110.06	1,083.81	26.25	42.294	
3,600.00	3,505.09	3,570.14	3,552.77	16.99	13.53	-161.55	-248.27	448.20	1,132.19	1,105.15	27.04	41.865	
3,700.00	3,601.07	3,667.65	3,649.75	17.57	13.92	-161.53	-257.03	442.98	1,154.33	1,126.49	27.84	41.461	
3,800.00	3,697.04	3,765.17	3,746.73	18.15	14.30	-161.51	-265.79	437.76	1,176.47	1,147.83	28.64	41.078 SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT EAST- 4E-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	87.60	26.24	626.00	626.55					
100.00	100.00	106.00	94.00	0.14	0.16	87.60	26.24	626.00	626.55	626.25	0.30	2,105.811		
200.00	200.00	206.00	194.00	0.50	0.52	87.60	26.24	626.00	626.55	625.53	1.01	617.606		
300.00	300.00	306.00	294.00	0.85	0.88	87.60	26.24	626.00	626.55	624.81	1.73	361.869		
400.00	400.00	406.00	394.00	1.21	1.23	87.60	26.24	626.00	626.55	624.10	2.45	255.904		
500.00	500.00	506.00	494.00	1.57	1.59	87.60	26.24	626.00	626.55	623.38	3.17	197.942		
600.00	600.00	606.00	594.00	1.93	1.95	87.60	26.24	626.00	626.55	622.66	3.88	161.387		
700.00	700.00	706.00	694.00	2.29	2.31	87.60	26.24	626.00	626.55	621.95	4.60	136.230	CC, ES	
800.00	799.98	806.02	793.98	2.64	2.67	-168.41	26.24	626.00	628.26	622.95	5.31	118.409		
900.00	899.84	906.16	893.84	2.98	3.03	-168.48	26.24	626.00	633.38	627.37	6.01	105.423		
1,000.00	999.45	993.45	993.45	3.33	3.34	-168.60	26.24	626.00	641.93	635.26	6.67	96.256		
1,100.00	1,098.70	1,093.59	1,093.57	3.70	3.68	-168.64	24.71	626.01	653.81	646.45	7.36	88.802		
1,200.00	1,197.47	1,193.33	1,193.18	4.08	4.01	-168.41	19.72	626.04	668.96	660.91	8.05	83.151		
1,300.00	1,295.62	1,292.33	1,291.82	4.47	4.34	-167.94	11.33	626.10	687.36	678.62	8.74	78.687		
1,400.00	1,393.06	1,390.34	1,389.13	4.90	4.68	-167.27	-0.31	626.19	709.05	699.61	9.44	75.140		
1,500.00	1,489.64	1,486.97	1,484.70	5.36	5.02	-166.44	-14.58	626.29	734.07	723.92	10.15	72.328		
1,600.00	1,585.63	1,582.85	1,579.48	5.85	5.37	-165.78	-29.06	626.40	761.30	750.43	10.87	70.019		
1,700.00	1,681.60	1,678.72	1,674.25	6.35	5.73	-165.18	-43.54	626.51	788.65	777.05	11.60	67.960		
1,800.00	1,777.57	1,774.59	1,769.02	6.87	6.09	-164.62	-58.02	626.61	816.08	803.73	12.35	66.086		
1,900.00	1,873.55	1,870.46	1,863.79	7.40	6.46	-164.10	-72.50	626.72	843.58	830.48	13.10	64.378		
2,000.00	1,969.52	1,966.33	1,958.56	7.94	6.83	-163.61	-86.98	626.82	871.14	857.27	13.87	62.819		
2,100.00	2,065.49	2,062.20	2,053.33	8.48	7.21	-163.16	-101.46	626.93	898.75	884.11	14.64	61.394		
2,200.00	2,161.47	2,158.07	2,148.10	9.03	7.59	-162.72	-115.94	627.03	926.41	910.99	15.42	60.087		
2,300.00	2,257.44	2,253.94	2,242.87	9.58	7.97	-162.32	-130.42	627.14	954.12	937.91	16.20	58.888		
2,400.00	2,353.41	2,349.81	2,337.64	10.14	8.36	-161.93	-144.91	627.25	981.87	964.87	16.99	57.783		
2,500.00	2,449.39	2,445.68	2,432.41	10.70	8.75	-161.57	-159.39	627.35	1,009.65	991.87	17.79	56.764		
2,600.00	2,545.36	2,541.55	2,527.18	11.27	9.14	-161.23	-173.87	627.46	1,037.48	1,018.89	18.59	55.821		
2,700.00	2,641.33	2,637.42	2,621.95	11.83	9.53	-160.90	-188.35	627.56	1,065.34	1,045.95	19.39	54.946		
2,800.00	2,737.31	2,733.29	2,716.72	12.40	9.92	-160.59	-202.83	627.67	1,093.22	1,073.03	20.19	54.134		
2,900.00	2,833.28	2,829.16	2,811.49	12.97	10.31	-160.30	-217.31	627.77	1,121.14	1,100.13	21.00	53.377		
3,000.00	2,929.25	2,925.03	2,906.26	13.54	10.71	-160.02	-231.79	627.88	1,149.08	1,127.26	21.82	52.671		
3,100.00	3,025.23	3,020.90	3,001.03	14.11	11.10	-159.75	-246.27	627.98	1,177.04	1,154.41	22.63	52.010	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4F-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	88.50	16.40	626.00	626.21					
100.00	100.00	106.00	94.00	0.14	0.16	88.50	16.40	626.00	626.21	625.91	0.30	2,104.687		
200.00	200.00	206.00	194.00	0.50	0.52	88.50	16.40	626.00	626.21	625.20	1.01	617.276		
300.00	300.00	306.00	294.00	0.85	0.88	88.50	16.40	626.00	626.21	624.48	1.73	361.675		
400.00	400.00	406.00	394.00	1.21	1.23	88.50	16.40	626.00	626.21	623.76	2.45	255.768		
500.00	500.00	506.00	494.00	1.57	1.59	88.50	16.40	626.00	626.21	623.05	3.17	197.836		
600.00	600.00	606.00	594.00	1.93	1.95	88.50	16.40	626.00	626.21	622.33	3.88	161.301		
700.00	700.00	706.00	694.00	2.29	2.31	88.50	16.40	626.00	626.21	621.61	4.60	136.157	CC, ES	
800.00	799.98	806.02	793.98	2.64	2.67	-167.51	16.40	626.00	627.91	622.61	5.31	118.345		
900.00	899.84	893.84	893.84	2.98	2.98	-167.59	16.40	626.00	633.03	627.06	5.96	106.145		
1,000.00	999.45	988.41	988.39	3.33	3.31	-167.59	15.09	626.38	641.91	635.27	6.64	96.735		
1,100.00	1,098.70	1,082.08	1,081.95	3.70	3.62	-167.38	10.85	627.64	655.01	647.72	7.30	89.764		
1,200.00	1,197.47	1,174.86	1,174.44	4.08	3.93	-166.95	3.77	629.73	672.33	664.37	7.96	84.433		
1,300.00	1,295.62	1,266.44	1,265.45	4.47	4.24	-166.35	-6.04	632.64	693.86	685.22	8.64	80.351		
1,400.00	1,393.06	1,356.54	1,354.61	4.90	4.56	-165.59	-18.41	636.30	719.59	710.28	9.32	77.249		
1,500.00	1,489.64	1,446.84	1,443.55	5.36	4.90	-164.70	-33.37	640.72	749.50	739.49	10.01	74.873		
1,600.00	1,585.63	1,541.03	1,536.20	5.85	5.26	-163.95	-49.67	645.55	781.80	771.07	10.74	72.820		
1,700.00	1,681.60	1,635.21	1,628.83	6.35	5.63	-163.28	-65.97	650.37	814.25	802.78	11.47	70.987		
1,800.00	1,777.57	1,729.39	1,721.46	6.87	6.00	-162.67	-82.26	655.19	846.79	834.58	12.22	69.307		
1,900.00	1,873.55	1,823.57	1,814.10	7.40	6.39	-162.10	-98.56	660.01	879.41	866.44	12.98	67.770		
2,000.00	1,969.52	1,917.75	1,906.73	7.94	6.77	-161.57	-114.85	664.83	912.11	898.36	13.74	66.362		
2,100.00	2,065.49	2,011.93	1,999.37	8.48	7.16	-161.08	-131.15	669.65	944.87	930.35	14.52	65.071		
2,200.00	2,161.47	2,106.11	2,092.00	9.03	7.56	-160.62	-147.44	674.47	977.68	962.38	15.30	63.885		
2,300.00	2,257.44	2,200.29	2,184.64	9.58	7.96	-160.19	-163.74	679.29	1,010.55	994.46	16.09	62.794		
2,400.00	2,353.41	2,305.53	2,277.27	10.14	8.41	-159.79	-180.03	684.12	1,043.47	1,026.54	16.93	61.619		
2,500.00	2,449.39	2,388.65	2,369.90	10.70	8.76	-159.41	-196.33	688.94	1,076.43	1,058.74	17.69	60.859		
2,600.00	2,545.36	2,482.83	2,462.54	11.27	9.17	-159.06	-212.62	693.76	1,109.43	1,090.94	18.49	59.998		
2,700.00	2,641.33	2,577.01	2,555.17	11.83	9.58	-158.72	-228.91	698.58	1,142.47	1,123.17	19.30	59.200		
2,800.00	2,737.31	2,671.19	2,647.81	12.40	9.98	-158.41	-245.21	703.40	1,175.53	1,155.43	20.11	58.458	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT EAST- 4G-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	89.43	6.20	626.00	626.03					
100.00	100.00	106.00	94.00	0.14	0.16	89.43	6.20	626.00	626.03	625.73	0.30	2,104.069		
200.00	200.00	206.00	194.00	0.50	0.52	89.43	6.20	626.00	626.03	625.01	1.01	617.095		
300.00	300.00	306.00	294.00	0.85	0.88	89.43	6.20	626.00	626.03	624.30	1.73	361.569		
400.00	400.00	406.00	394.00	1.21	1.23	89.43	6.20	626.00	626.03	623.58	2.45	255.692		
500.00	500.00	506.00	494.00	1.57	1.59	89.43	6.20	626.00	626.03	622.86	3.17	197.778		
600.00	600.00	606.00	594.00	1.93	1.95	89.43	6.20	626.00	626.03	622.15	3.88	161.254		
700.00	700.00	706.00	694.00	2.29	2.31	89.43	6.20	626.00	626.03	621.43	4.60	136.117	CC, ES	
800.00	799.98	793.98	793.98	2.64	2.63	-166.58	6.20	626.00	627.72	622.46	5.26	119.280		
900.00	899.84	880.80	880.79	2.98	2.93	-166.58	5.43	626.84	633.78	627.88	5.91	107.312		
1,000.00	999.45	966.19	966.09	3.33	3.21	-166.45	2.95	629.55	645.39	638.85	6.54	98.671		
1,100.00	1,098.70	1,050.58	1,050.26	3.70	3.50	-166.21	-1.19	634.08	662.51	655.33	7.17	92.342		
1,200.00	1,197.47	1,133.61	1,132.86	4.08	3.79	-165.87	-6.90	640.31	685.06	677.25	7.81	87.748		
1,300.00	1,295.62	1,215.13	1,213.68	4.47	4.08	-165.45	-14.07	648.14	712.94	704.50	8.44	84.506		
1,400.00	1,393.06	1,309.76	1,307.32	4.90	4.43	-164.96	-23.27	658.19	745.04	735.91	9.13	81.584		
1,500.00	1,489.64	1,403.28	1,399.87	5.36	4.78	-164.55	-32.36	668.12	780.32	770.49	9.83	79.370		
1,600.00	1,585.63	1,503.96	1,491.67	5.85	5.17	-164.37	-41.37	677.97	817.64	807.07	10.56	77.405		
1,700.00	1,681.60	1,588.78	1,583.44	6.35	5.50	-164.23	-50.38	687.81	855.00	843.76	11.24	76.081		
1,800.00	1,777.57	1,681.52	1,675.22	6.87	5.86	-164.11	-59.40	697.66	892.36	880.41	11.95	74.673		
1,900.00	1,873.55	1,774.27	1,766.99	7.40	6.23	-164.00	-68.41	707.51	929.72	917.06	12.67	73.385		
2,000.00	1,969.52	1,867.01	1,858.77	7.94	6.60	-163.89	-77.42	717.35	967.09	953.70	13.39	72.204		
2,100.00	2,065.49	1,959.75	1,950.55	8.48	6.97	-163.80	-86.43	727.20	1,004.46	990.34	14.12	71.120		
2,200.00	2,161.47	2,052.49	2,042.32	9.03	7.35	-163.71	-95.44	737.05	1,041.84	1,026.98	14.86	70.123		
2,300.00	2,257.44	2,145.23	2,134.10	9.58	7.72	-163.62	-104.46	746.89	1,079.21	1,063.62	15.59	69.204		
2,400.00	2,353.41	2,237.97	2,225.87	10.14	8.10	-163.54	-113.47	756.74	1,116.59	1,100.26	16.34	68.355		
2,500.00	2,449.39	2,330.72	2,317.65	10.70	8.48	-163.47	-122.48	766.58	1,153.97	1,136.89	17.08	67.569		
2,600.00	2,545.36	2,423.46	2,409.42	11.27	8.86	-163.40	-131.49	776.43	1,191.35	1,173.53	17.82	66.839	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4H-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	6.00	-6.00	0.00	0.01	90.33	-3.63	626.00	626.01					
100.00	100.00	106.00	94.00	0.14	0.16	90.33	-3.63	626.00	626.01	625.71	0.30	2,104.002		
200.00	200.00	206.00	194.00	0.50	0.52	90.33	-3.63	626.00	626.01	624.99	1.01	617.075		
300.00	300.00	306.00	294.00	0.85	0.88	90.33	-3.63	626.00	626.01	624.28	1.73	361.558		
400.00	400.00	406.00	394.00	1.21	1.23	90.33	-3.63	626.00	626.01	623.56	2.45	255.684		
500.00	500.00	506.00	494.00	1.57	1.59	90.33	-3.63	626.00	626.01	622.84	3.17	197.772		
600.00	600.00	606.00	594.00	1.93	1.95	90.33	-3.63	626.00	626.01	622.13	3.88	161.249		
700.00	700.00	694.00	694.00	2.29	2.27	90.33	-3.63	626.00	626.01	621.45	4.56	137.398	CC, ES	
800.00	799.98	779.40	779.39	2.64	2.56	-165.62	-4.24	626.91	628.79	623.59	5.20	120.922		
900.00	899.84	863.46	863.37	2.98	2.85	-165.49	-6.21	629.88	637.40	631.57	5.83	109.366		
1,000.00	999.45	946.69	946.39	3.33	3.14	-165.29	-9.49	634.85	651.80	645.34	6.46	100.951		
1,100.00	1,098.70	1,028.69	1,027.97	3.70	3.42	-165.02	-14.03	641.70	671.92	664.83	7.08	94.847		
1,200.00	1,197.47	1,109.09	1,107.70	4.08	3.71	-164.68	-19.73	650.31	697.65	689.94	7.71	90.513		
1,300.00	1,295.62	1,187.54	1,185.19	4.47	4.01	-164.29	-26.48	660.51	728.86	720.53	8.33	87.543		
1,400.00	1,393.06	1,265.93	1,262.26	4.90	4.32	-163.84	-34.37	672.44	765.37	756.42	8.95	85.550		
1,500.00	1,489.64	1,357.36	1,351.99	5.36	4.69	-163.38	-44.07	687.09	805.78	796.14	9.64	83.597		
1,600.00	1,585.63	1,447.92	1,440.85	5.85	5.06	-163.20	-53.68	701.61	848.16	837.83	10.34	82.058		
1,700.00	1,681.60	1,538.45	1,529.70	6.35	5.44	-163.07	-63.28	716.12	890.59	879.55	11.03	80.716		
1,800.00	1,777.57	1,628.99	1,618.55	6.87	5.83	-162.95	-72.89	730.63	933.01	921.27	11.74	79.475		
1,900.00	1,873.55	1,719.53	1,707.40	7.40	6.22	-162.85	-82.49	745.14	975.44	962.99	12.45	78.331		
2,000.00	1,969.52	1,810.07	1,796.25	7.94	6.62	-162.75	-92.10	759.65	1,017.88	1,004.71	13.17	77.275		
2,100.00	2,065.49	1,900.60	1,885.10	8.48	7.02	-162.66	-101.70	774.16	1,060.31	1,046.42	13.90	76.300		
2,200.00	2,161.47	2,008.86	1,973.95	9.03	7.50	-162.58	-111.30	788.67	1,102.75	1,088.05	14.70	75.038		
2,300.00	2,257.44	2,081.68	2,062.80	9.58	7.83	-162.50	-120.91	803.18	1,145.19	1,129.83	15.36	74.563		
2,400.00	2,353.41	2,172.22	2,151.65	10.14	8.23	-162.43	-130.51	817.69	1,187.63	1,171.54	16.09	73.789	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4I-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
0.00	0.00	7.00	-7.00	0.00	0.01	91.27	-13.84	625.72	625.87				
100.00	100.00	107.00	93.00	0.14	0.16	91.27	-13.84	625.72	625.87	625.57	0.30	2,078.499	
200.00	200.00	207.00	193.00	0.50	0.52	91.27	-13.84	625.72	625.87	624.85	1.02	614.768	
300.00	300.00	307.00	293.00	0.85	0.88	91.27	-13.84	625.72	625.87	624.14	1.74	360.732	
400.00	400.00	407.00	393.00	1.21	1.24	91.27	-13.84	625.72	625.87	623.42	2.45	255.254	
500.00	500.00	507.00	493.00	1.57	1.60	91.27	-13.84	625.72	625.87	622.70	3.17	197.505	
600.00	600.00	593.00	593.00	1.93	1.91	91.27	-13.84	625.72	625.87	622.03	3.84	163.172 CC, ES	
700.00	700.00	677.12	677.11	2.29	2.20	91.30	-14.21	626.69	627.05	622.56	4.49	139.756	
800.00	799.98	759.83	759.75	2.64	2.48	-164.58	-15.44	629.88	632.62	627.51	5.12	123.620	
900.00	899.84	841.91	841.63	2.98	2.77	-164.45	-17.50	635.25	644.25	638.51	5.74	112.224	
1,000.00	999.45	922.94	922.25	3.33	3.06	-164.29	-20.36	642.69	661.86	655.49	6.36	103.999	
1,100.00	1,098.70	1,002.49	1,001.17	3.70	3.35	-164.09	-23.96	652.07	685.34	678.36	6.98	98.146	
1,200.00	1,197.47	1,080.21	1,077.96	4.08	3.64	-163.87	-28.23	663.20	714.56	706.97	7.60	94.078	
1,300.00	1,295.62	1,155.74	1,152.26	4.47	3.94	-163.63	-33.10	675.88	749.35	741.15	8.20	91.414	
1,400.00	1,393.06	1,243.02	1,237.80	4.90	4.30	-163.37	-39.31	692.04	788.89	780.03	8.86	89.009	
1,500.00	1,489.64	1,333.45	1,326.43	5.36	4.68	-163.16	-45.77	708.85	831.55	822.00	9.55	87.098	
1,600.00	1,585.63	1,422.94	1,414.13	5.85	5.07	-163.22	-52.16	725.48	876.15	865.92	10.23	85.608	
1,700.00	1,681.60	1,512.42	1,501.81	6.35	5.46	-163.32	-58.54	742.11	920.79	909.87	10.92	84.316	
1,800.00	1,777.57	1,601.89	1,589.49	6.87	5.86	-163.40	-64.93	758.74	965.43	953.82	11.61	83.126	
1,900.00	1,873.55	1,708.64	1,677.17	7.40	6.34	-163.48	-71.31	775.36	1,010.08	997.70	12.38	81.588	
2,000.00	1,969.52	1,780.83	1,764.86	7.94	6.66	-163.55	-77.70	791.99	1,054.72	1,041.71	13.02	81.018	
2,100.00	2,065.49	1,870.31	1,852.54	8.48	7.07	-163.62	-84.09	808.62	1,099.37	1,085.64	13.73	80.086	
2,200.00	2,161.47	1,959.78	1,940.22	9.03	7.48	-163.68	-90.47	825.25	1,144.02	1,129.58	14.44	79.225	
2,300.00	2,257.44	2,049.25	2,027.90	9.58	7.89	-163.74	-96.86	841.87	1,188.67	1,173.51	15.16	78.429 SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4J-26H-O168 - OH - PLAN #2												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
0.00	0.00	7.00	-7.00	0.00	0.01	92.17	-23.67	625.72	626.16				
100.00	100.00	107.00	93.00	0.14	0.16	92.17	-23.67	625.72	626.16	625.86	0.30	2,079.477	
200.00	200.00	207.00	193.00	0.50	0.52	92.17	-23.67	625.72	626.16	625.15	1.02	615.057	
300.00	300.00	307.00	293.00	0.85	0.88	92.17	-23.67	625.72	626.16	624.43	1.74	360.901	
400.00	400.00	407.00	393.00	1.21	1.24	92.17	-23.67	625.72	626.16	623.71	2.45	255.375	
500.00	500.00	493.00	493.00	1.57	1.55	92.17	-23.67	625.72	626.16	623.05	3.12	200.777 CC, ES	
600.00	600.00	573.48	573.47	1.93	1.83	92.19	-24.00	626.85	627.61	623.85	3.76	166.976	
700.00	700.00	652.33	652.21	2.29	2.10	92.28	-25.08	630.58	632.39	628.01	4.39	144.127	
800.00	799.98	730.68	730.29	2.64	2.38	-163.54	-26.89	636.86	642.17	637.17	5.00	128.359	
900.00	899.84	808.00	807.07	2.98	2.66	-163.36	-29.41	645.57	658.54	652.93	5.61	117.379	
1,000.00	999.45	883.80	882.01	3.33	2.94	-163.16	-32.58	656.52	681.37	675.16	6.21	109.653	
1,100.00	1,098.70	957.66	954.62	3.70	3.24	-162.94	-36.32	669.47	710.49	703.69	6.81	104.356	
1,200.00	1,197.47	1,029.16	1,024.47	4.08	3.54	-162.69	-40.56	684.14	745.70	738.31	7.39	100.929	
1,300.00	1,295.62	1,111.46	1,104.39	4.47	3.91	-162.44	-46.02	703.02	786.27	778.25	8.03	97.948	
1,400.00	1,393.06	1,201.34	1,191.62	4.90	4.32	-162.23	-52.04	723.82	830.09	821.38	8.71	95.343	
1,500.00	1,489.64	1,289.69	1,277.37	5.36	4.74	-162.07	-57.95	744.27	876.87	867.48	9.39	93.391	
1,600.00	1,585.63	1,377.01	1,362.12	5.85	5.17	-162.20	-63.79	764.47	925.54	915.47	10.07	91.904	
1,700.00	1,681.60	1,464.30	1,446.84	6.35	5.60	-162.37	-69.64	784.67	974.26	963.51	10.75	90.622	
1,800.00	1,777.57	1,551.60	1,531.57	6.87	6.03	-162.53	-75.48	804.87	1,022.98	1,011.55	11.44	89.438	
1,900.00	1,873.55	1,638.90	1,616.29	7.40	6.47	-162.67	-81.32	825.07	1,071.71	1,059.58	12.13	88.345	
2,000.00	1,969.52	1,726.19	1,701.02	7.94	6.91	-162.80	-87.16	845.28	1,120.44	1,107.61	12.83	87.337	
2,100.00	2,065.49	1,813.49	1,785.74	8.48	7.36	-162.92	-93.00	865.48	1,169.18	1,155.65	13.53	86.406 SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4K-26H-O168 - OH - PLAN #2													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	7.00	-7.00	0.00	0.01	93.10	-33.87	625.72	626.63					
100.00	100.00	107.00	93.00	0.14	0.16	93.10	-33.87	625.72	626.63	626.33	0.30	2,081.034		
200.00	200.00	207.00	193.00	0.50	0.52	93.10	-33.87	625.72	626.63	625.62	1.02	615.518		
300.00	300.00	307.00	293.00	0.85	0.88	93.10	-33.87	625.72	626.63	624.90	1.74	361.172		
400.00	400.00	393.00	393.00	1.21	1.19	93.10	-33.87	625.72	626.63	624.23	2.40	260.906 CC, ES		
500.00	500.00	473.27	473.25	1.57	1.47	93.12	-34.14	626.86	628.10	625.05	3.04	206.446		
600.00	600.00	551.88	551.77	1.93	1.75	93.18	-35.05	630.61	632.93	629.25	3.67	172.281		
700.00	700.00	630.13	629.75	2.29	2.02	93.29	-36.57	636.94	641.12	636.82	4.30	149.091		
800.00	799.98	707.67	706.75	2.64	2.30	-162.51	-38.69	645.77	654.30	649.38	4.92	133.113		
900.00	899.84	783.94	782.15	2.98	2.60	-162.32	-41.38	656.91	674.02	668.50	5.52	122.043		
1,000.00	999.45	858.46	855.41	3.33	2.90	-162.12	-44.56	670.15	700.13	694.01	6.12	114.334		
1,100.00	1,098.70	930.82	926.09	3.70	3.21	-161.91	-48.19	685.22	732.44	725.73	6.71	109.115		
1,200.00	1,197.47	1,000.00	993.17	4.08	3.52	-161.69	-52.14	701.64	770.71	763.43	7.28	105.835		
1,300.00	1,295.62	1,078.48	1,068.72	4.47	3.91	-161.48	-57.11	722.29	814.41	806.50	7.90	103.033		
1,400.00	1,393.06	1,166.71	1,153.56	4.90	4.36	-161.30	-62.77	745.82	861.42	852.85	8.57	100.479		
1,500.00	1,489.64	1,253.30	1,236.83	5.36	4.82	-161.16	-68.32	768.91	911.33	902.07	9.26	98.416		
1,600.00	1,585.63	1,338.78	1,319.04	5.85	5.28	-161.36	-73.81	791.70	963.10	953.16	9.94	96.923		
1,700.00	1,681.60	1,424.24	1,401.23	6.35	5.74	-161.59	-79.29	814.49	1,014.91	1,004.30	10.61	95.644		
1,800.00	1,777.57	1,509.71	1,483.41	6.87	6.21	-161.79	-84.77	837.27	1,066.73	1,055.44	11.29	94.460		
1,900.00	1,873.55	1,604.83	1,565.60	7.40	6.73	-161.98	-90.26	860.06	1,118.57	1,106.55	12.02	93.061		
2,000.00	1,969.52	1,680.63	1,647.79	7.94	7.16	-162.15	-95.74	882.85	1,170.41	1,157.73	12.67	92.353 SF		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4L-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	7.00	-7.00	0.00	0.01	94.00	-43.71	625.72	627.24					
100.00	100.00	107.00	93.00	0.14	0.16	94.00	-43.71	625.72	627.24	626.94	0.30	2,083.056		
200.00	200.00	207.00	193.00	0.50	0.52	94.00	-43.71	625.72	627.24	626.22	1.02	616.116		
300.00	300.00	293.00	293.00	0.85	0.83	94.00	-43.71	625.72	627.24	625.56	1.68	372.291	CC, ES	
400.00	400.00	373.16	373.14	1.21	1.11	94.01	-43.95	626.86	628.71	626.38	2.33	270.198		
500.00	500.00	451.65	451.54	1.57	1.39	94.06	-44.77	630.62	633.56	630.60	2.96	213.937		
600.00	600.00	529.79	529.40	1.93	1.67	94.14	-46.16	636.96	641.79	638.20	3.59	178.675		
700.00	700.00	607.39	606.47	2.29	1.95	94.26	-48.09	645.83	653.37	649.15	4.22	154.859		
800.00	799.98	684.08	682.28	2.64	2.25	-161.52	-50.54	657.09	669.90	665.06	4.84	138.528		
900.00	899.84	759.25	756.19	2.98	2.56	-161.31	-53.47	670.53	692.88	687.44	5.44	127.296		
1,000.00	999.45	832.48	827.70	3.33	2.89	-161.11	-56.82	685.88	722.16	716.12	6.04	119.543		
1,100.00	1,098.70	903.35	896.41	3.70	3.21	-160.90	-60.53	702.87	757.50	750.88	6.62	114.349		
1,200.00	1,197.47	973.11	963.47	4.08	3.57	-160.68	-64.61	721.59	798.67	791.47	7.20	110.889		
1,300.00	1,295.62	1,062.23	1,048.85	4.47	4.04	-160.52	-70.06	746.58	843.96	836.08	7.88	107.078		
1,400.00	1,393.06	1,149.78	1,132.71	4.90	4.52	-160.39	-75.41	771.12	892.17	883.60	8.57	104.148		
1,500.00	1,489.64	1,235.65	1,214.97	5.36	5.00	-160.28	-80.66	795.20	943.25	934.00	9.25	101.986		
1,600.00	1,585.63	1,320.38	1,296.14	5.85	5.48	-160.53	-85.84	818.95	996.16	986.23	9.93	100.353		
1,700.00	1,681.60	1,405.09	1,377.29	6.35	5.97	-160.81	-91.02	842.70	1,049.13	1,038.52	10.60	98.959		
1,800.00	1,777.57	1,489.81	1,458.44	6.87	6.46	-161.07	-96.19	866.45	1,102.11	1,090.82	11.28	97.675		
1,900.00	1,873.55	1,574.52	1,539.59	7.40	6.95	-161.30	-101.37	890.20	1,155.10	1,143.13	11.97	96.493	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL EAST- 4M-26H-O168 - OH - PLAN #2												Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
0.00	0.00	7.00	-7.00	0.00	0.01	94.89	-53.54	625.44	627.73				
100.00	100.00	107.00	93.00	0.14	0.16	94.89	-53.54	625.44	627.73	627.42	0.30	2,084.661	
200.00	200.00	193.00	193.00	0.50	0.47	94.89	-53.54	625.44	627.73	626.76	0.97	648.562	CC, ES
300.00	300.00	273.05	273.04	0.85	0.75	94.90	-53.75	626.58	629.20	627.59	1.61	390.206	
400.00	400.00	351.43	351.32	1.21	1.03	94.94	-54.44	630.36	634.08	631.82	2.25	281.624	
500.00	500.00	429.45	429.07	1.57	1.32	94.99	-55.60	636.73	642.34	639.45	2.89	222.487	
600.00	600.00	506.95	506.03	1.93	1.61	95.06	-57.22	645.63	653.97	650.45	3.52	185.803	
700.00	700.00	583.75	581.96	2.29	1.91	95.16	-59.28	656.97	668.92	664.78	4.15	161.243	
800.00	799.98	659.42	656.35	2.64	2.23	-160.63	-61.75	670.59	688.76	684.00	4.77	144.526	
900.00	899.84	733.37	728.57	2.98	2.56	-160.44	-64.60	686.23	714.97	709.60	5.37	133.102	
1,000.00	999.45	805.16	798.15	3.33	2.91	-160.25	-67.75	703.59	747.35	741.39	5.97	125.279	
1,100.00	1,098.70	874.43	864.74	3.70	3.27	-160.07	-71.17	722.37	785.68	779.13	6.55	119.976	
1,200.00	1,197.47	940.88	928.04	4.08	3.64	-159.88	-74.78	742.24	829.68	822.57	7.11	116.646	
1,300.00	1,295.62	1,019.87	1,002.73	4.47	4.11	-159.72	-79.38	767.54	878.58	870.84	7.74	113.501	
1,400.00	1,393.06	1,105.24	1,083.41	4.90	4.64	-159.60	-84.38	795.00	930.47	922.05	8.42	110.473	
1,500.00	1,489.64	1,188.81	1,162.39	5.36	5.17	-159.50	-89.26	821.89	985.16	976.06	9.10	108.291	
1,600.00	1,585.63	1,271.17	1,240.22	5.85	5.69	-159.80	-94.08	848.38	1,041.62	1,031.86	9.77	106.642	
1,700.00	1,681.60	1,353.50	1,318.02	6.35	6.23	-160.13	-98.89	874.86	1,098.15	1,087.72	10.43	105.238	
1,800.00	1,777.57	1,435.83	1,395.83	6.87	6.76	-160.43	-103.71	901.34	1,154.70	1,143.59	11.11	103.943	SF

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4A-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.24	70.05	0.29	70.05					
100.00	100.00	100.00	100.00	0.14	0.14	0.24	70.05	0.29	70.05	69.77	0.28	253.770		
200.00	200.00	200.00	200.00	0.50	0.50	0.24	70.05	0.29	70.05	69.05	0.99	70.543		
300.00	300.00	300.44	300.40	0.85	0.85	-1.55	69.70	-1.88	69.72	68.02	1.70	40.912		
400.00	400.00	400.49	400.23	1.21	1.21	-6.95	68.65	-8.36	69.16	66.74	2.42	28.590		
428.47	428.47	428.85	428.47	1.32	1.32	-9.15	68.23	-10.98	69.11	66.48	2.63	26.305 CC		
500.00	500.00	499.78	498.93	1.57	1.58	-15.88	66.93	-19.04	69.60	66.45	3.15	22.098 ES		
600.00	600.00	597.95	595.96	1.93	1.97	-27.59	64.57	-33.74	72.96	69.07	3.90	18.726		
700.00	700.00	694.68	690.84	2.29	2.39	-40.29	61.59	-52.22	81.27	76.62	4.65	17.491		
800.00	799.98	790.05	783.55	2.64	2.83	52.60	58.04	-74.29	94.65	89.28	5.37	17.631		
900.00	899.84	884.40	874.27	2.98	3.33	44.28	53.92	-99.85	111.41	105.34	6.06	18.372		
1,000.00	999.45	977.71	962.87	3.33	3.86	38.15	49.27	-128.74	130.54	123.79	6.75	19.333		
1,100.00	1,098.70	1,069.99	1,049.25	3.70	4.46	33.57	44.11	-160.79	151.39	143.97	7.43	20.382		
1,200.00	1,197.47	1,161.25	1,133.32	4.08	5.11	30.10	38.47	-195.84	173.53	165.42	8.11	21.393		
1,300.00	1,295.62	1,252.28	1,215.71	4.47	5.81	27.40	32.32	-234.04	196.65	187.85	8.80	22.337		
1,400.00	1,393.06	1,349.66	1,303.20	4.90	6.63	25.38	25.53	-276.24	218.44	208.83	9.61	22.731		
1,500.00	1,489.64	1,447.77	1,391.35	5.36	7.47	24.08	18.68	-318.77	237.27	226.83	10.45	22.713		
1,600.00	1,585.63	1,546.28	1,479.86	5.85	8.32	23.28	11.81	-361.46	254.15	242.84	11.31	22.475		
1,700.00	1,681.60	1,644.80	1,568.37	6.35	9.18	22.61	4.94	-404.17	271.03	258.85	12.18	22.252		
1,800.00	1,777.57	1,743.31	1,656.89	6.87	10.06	22.01	-1.94	-446.87	287.94	274.89	13.06	22.052		
1,900.00	1,873.55	1,841.83	1,745.40	7.40	10.93	21.48	-8.81	-489.57	304.88	290.94	13.94	21.874		
2,000.00	1,969.52	1,940.35	1,833.92	7.94	11.81	21.01	-15.69	-532.27	321.84	307.02	14.82	21.714		
2,100.00	2,065.49	2,038.87	1,922.44	8.48	12.69	20.58	-22.56	-574.97	338.83	323.12	15.71	21.571		
2,200.00	2,161.47	2,137.39	2,010.95	9.03	13.58	20.19	-29.44	-617.67	355.82	339.23	16.59	21.442		
2,300.00	2,257.44	2,235.90	2,099.47	9.58	14.47	19.84	-36.31	-660.38	372.83	355.35	17.48	21.325		
2,400.00	2,353.41	2,334.42	2,187.98	10.14	15.36	19.52	-43.18	-703.08	389.86	371.48	18.37	21.218		
2,500.00	2,449.39	2,432.94	2,276.50	10.70	16.25	19.23	-50.06	-745.78	406.89	387.63	19.26	21.121		
2,600.00	2,545.36	2,531.46	2,365.02	11.27	17.14	18.96	-56.93	-788.48	423.94	403.78	20.16	21.033		
2,700.00	2,641.33	2,629.97	2,453.53	11.83	18.03	18.71	-63.81	-831.18	440.99	419.94	21.05	20.951		
2,800.00	2,737.31	2,728.49	2,542.05	12.40	18.93	18.48	-70.68	-873.88	458.05	436.11	21.94	20.876		
2,900.00	2,833.28	2,827.01	2,630.57	12.97	19.82	18.27	-77.56	-916.59	475.12	452.28	22.84	20.806		
3,000.00	2,929.25	2,925.53	2,719.08	13.54	20.72	18.07	-84.43	-959.29	492.19	468.46	23.73	20.742		
3,100.00	3,025.23	3,024.05	2,807.60	14.11	21.61	17.89	-91.30	-1,001.99	509.27	484.64	24.62	20.682		
3,200.00	3,121.20	3,122.56	2,896.11	14.69	22.51	17.71	-98.18	-1,044.69	526.35	500.83	25.52	20.626		
3,300.00	3,217.17	3,221.08	2,984.63	15.26	23.41	17.55	-105.05	-1,087.39	543.44	517.02	26.41	20.574		
3,400.00	3,313.15	3,319.60	3,073.15	15.84	24.30	17.40	-111.93	-1,130.09	560.53	533.22	27.31	20.526		
3,500.00	3,409.12	3,418.12	3,161.66	16.42	25.20	17.25	-118.80	-1,172.80	577.62	549.42	28.20	20.480		
3,600.00	3,505.09	3,516.64	3,250.18	16.99	26.10	17.12	-125.67	-1,215.50	594.72	565.62	29.10	20.437		
3,700.00	3,601.07	3,615.15	3,338.69	17.57	27.00	16.99	-132.55	-1,258.20	611.82	581.83	30.00	20.397		
3,800.00	3,697.04	3,713.67	3,427.21	18.15	27.90	16.87	-139.42	-1,300.90	628.93	598.04	30.89	20.359		
3,900.00	3,793.01	3,812.19	3,515.73	18.73	28.80	16.75	-146.30	-1,343.60	646.03	614.25	31.79	20.323		
4,000.00	3,888.99	3,910.71	3,604.24	19.31	29.69	16.65	-153.17	-1,386.30	663.14	630.46	32.69	20.289		
4,100.00	3,984.96	4,009.23	3,692.76	19.89	30.59	16.54	-160.05	-1,429.01	680.25	646.67	33.58	20.257		
4,200.00	4,080.93	4,107.74	3,781.27	20.47	31.49	16.44	-166.92	-1,471.71	697.37	662.89	34.48	20.226		
4,300.00	4,176.91	4,206.26	3,869.79	21.05	32.39	16.35	-173.79	-1,514.41	714.48	679.11	35.38	20.197		
4,400.00	4,272.88	4,304.78	3,958.31	21.63	33.29	16.26	-180.67	-1,557.11	731.60	695.33	36.27	20.169		
4,500.00	4,368.85	4,403.30	4,046.82	22.21	34.19	16.18	-187.54	-1,599.81	748.72	711.55	37.17	20.143		
4,600.00	4,464.83	4,501.82	4,135.34	22.80	35.09	16.10	-194.42	-1,642.52	765.84	727.77	38.07	20.118		
4,700.00	4,560.80	4,600.33	4,223.85	23.38	35.99	16.02	-201.29	-1,685.22	782.96	743.99	38.97	20.094		
4,800.00	4,656.77	4,698.85	4,312.37	23.96	36.89	15.94	-208.17	-1,727.92	800.08	760.22	39.86	20.071		
4,900.00	4,752.75	4,802.63	4,400.89	24.54	37.84	15.87	-215.04	-1,770.62	817.21	776.42	40.79	20.036		
5,000.00	4,848.72	4,904.11	4,489.40	25.13	38.77	15.81	-221.91	-1,813.32	834.33	792.63	41.70	20.008		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4A-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
5,100.00	4,944.69	5,005.59	4,577.92	25.71	39.70	15.74	-228.79	-1,856.02	851.46	808.85	42.61	19.982		
5,200.00	5,040.67	5,107.08	4,666.43	26.29	40.63	15.68	-235.66	-1,898.73	868.59	825.06	43.53	19.956		
5,300.00	5,136.64	5,208.56	4,754.95	26.88	41.55	15.62	-242.54	-1,941.43	885.71	841.28	44.44	19.931		
5,400.00	5,232.61	5,289.96	4,843.47	27.46	42.30	15.56	-249.41	-1,984.13	902.84	857.59	45.25	19.952		
5,500.00	5,328.59	5,388.48	4,931.98	28.05	43.20	15.50	-256.29	-2,026.83	919.97	873.83	46.15	19.935		
5,600.00	5,424.56	5,487.00	5,020.50	28.63	44.10	15.45	-263.16	-2,069.53	937.11	890.06	47.05	19.918		
5,700.00	5,520.53	5,585.51	5,109.02	29.21	45.00	15.40	-270.03	-2,112.23	954.24	906.29	47.95	19.902		
5,800.00	5,616.51	5,684.03	5,197.53	29.80	45.90	15.35	-276.91	-2,154.94	971.37	922.53	48.84	19.887		
5,900.00	5,712.48	5,782.55	5,286.05	30.38	46.80	15.30	-283.78	-2,197.64	988.50	938.76	49.74	19.872		
6,000.00	5,808.45	5,881.07	5,374.56	30.97	47.71	15.25	-290.66	-2,240.34	1,005.64	955.00	50.64	19.858		
6,100.00	5,904.43	5,979.58	5,463.08	31.55	48.61	15.21	-297.53	-2,283.04	1,022.79	971.25	51.54	19.845		
6,200.00	6,000.96	6,077.73	5,551.26	32.11	49.51	15.24	-304.38	-2,325.58	1,041.89	989.47	52.42	19.876		
6,300.00	6,098.34	6,175.15	5,638.79	32.62	50.40	15.24	-311.18	-2,367.81	1,064.30	1,011.03	53.27	19.981		
6,400.00	6,196.46	6,271.75	5,725.58	33.08	51.28	15.22	-317.92	-2,409.68	1,089.98	1,035.90	54.08	20.155		
6,500.00	6,295.19	6,367.39	5,811.13	33.50	52.16	15.17	-324.59	-2,451.13	1,118.91	1,064.05	54.86	20.396		
6,600.00	6,394.41	6,464.85	5,899.08	33.87	53.05	15.09	-331.39	-2,493.37	1,151.06	1,095.43	55.63	20.690		
6,700.00	6,494.01	6,655.33	6,073.70	34.21	54.60	14.79	-343.47	-2,568.38	1,182.34	1,125.26	57.08	20.712		
9,000.00	7,900.00	9,343.83	7,780.00	37.59	58.06	-84.21	900.58	-2,649.24	1,190.73	1,120.16	70.58	16.871		
9,100.00	7,900.00	9,443.69	7,780.00	37.97	58.08	-84.18	1,000.28	-2,643.63	1,185.50	1,113.67	71.83	16.504		
9,200.00	7,900.00	9,534.83	7,780.00	38.44	58.12	-84.16	1,091.29	-2,638.60	1,180.38	1,107.18	73.20	16.126		
9,300.00	7,900.00	9,605.75	7,780.00	39.00	58.18	-84.15	1,162.16	-2,636.02	1,177.11	1,102.38	74.73	15.752		
9,382.53	7,900.00	9,664.34	7,780.00	39.53	58.25	-84.14	1,220.74	-2,635.21	1,176.27	1,100.15	76.13	15.451		
9,400.00	7,900.00	9,677.68	7,780.00	39.65	58.27	-84.14	1,234.08	-2,635.20	1,176.31	1,099.88	76.43	15.391		
9,500.00	7,900.00	9,777.68	7,780.00	40.38	58.44	-84.15	1,334.08	-2,635.20	1,176.66	1,098.51	78.15	15.057		
9,600.00	7,900.00	9,877.67	7,780.00	41.18	58.64	-84.15	1,434.07	-2,635.20	1,177.01	1,097.06	79.95	14.722		
9,700.00	7,900.00	9,977.67	7,780.00	42.04	58.88	-84.15	1,534.07	-2,635.20	1,177.36	1,095.53	81.83	14.387		
9,800.00	7,900.00	10,077.67	7,780.00	42.96	59.15	-84.15	1,634.07	-2,635.20	1,177.71	1,093.92	83.79	14.055		
9,900.00	7,900.00	10,177.67	7,780.00	43.93	59.47	-84.15	1,734.07	-2,635.20	1,178.07	1,092.24	85.82	13.727		
10,000.00	7,900.00	10,277.67	7,780.00	44.94	59.82	-84.16	1,834.07	-2,635.20	1,178.42	1,090.50	87.92	13.403		
10,100.00	7,900.00	10,377.67	7,780.00	45.99	60.23	-84.16	1,934.07	-2,635.20	1,178.77	1,088.69	90.08	13.086		
10,200.00	7,900.00	10,477.67	7,780.00	47.07	60.67	-84.16	2,034.07	-2,635.20	1,179.12	1,086.83	92.29	12.776		
10,300.00	7,900.00	10,577.67	7,780.00	48.19	61.17	-84.16	2,134.07	-2,635.20	1,179.47	1,084.91	94.56	12.474		
10,400.00	7,900.00	10,677.67	7,780.00	49.33	61.72	-84.16	2,234.07	-2,635.20	1,179.82	1,082.95	96.87	12.179		
10,500.00	7,900.00	10,777.67	7,780.00	50.50	62.31	-84.16	2,334.07	-2,635.20	1,180.17	1,080.94	99.23	11.893		
10,600.00	7,900.00	10,877.67	7,780.00	51.69	62.96	-84.17	2,434.07	-2,635.20	1,180.53	1,078.89	101.64	11.615		
10,700.00	7,900.00	10,977.67	7,780.00	52.91	63.65	-84.17	2,534.07	-2,635.20	1,180.88	1,076.79	104.08	11.345		
10,800.00	7,900.00	11,077.67	7,780.00	54.14	64.39	-84.17	2,634.07	-2,635.20	1,181.23	1,074.66	106.56	11.085		
10,900.00	7,900.00	11,177.67	7,780.00	55.39	65.18	-84.17	2,734.07	-2,635.20	1,181.58	1,072.50	109.08	10.832		
11,000.00	7,900.00	11,277.67	7,780.00	56.66	66.01	-84.17	2,834.07	-2,635.20	1,181.93	1,070.30	111.63	10.588		
11,100.00	7,900.00	11,377.67	7,780.00	57.95	66.89	-84.17	2,934.07	-2,635.20	1,182.28	1,068.08	114.21	10.352		
11,200.00	7,900.00	11,477.66	7,780.00	59.25	67.80	-84.18	3,034.06	-2,635.20	1,182.63	1,065.82	116.81	10.124		
11,300.00	7,900.00	11,577.66	7,780.00	60.56	68.76	-84.18	3,134.06	-2,635.20	1,182.99	1,063.54	119.44	9.904		
11,400.00	7,900.00	11,677.66	7,780.00	61.89	69.75	-84.18	3,234.06	-2,635.20	1,183.34	1,061.24	122.10	9.692		
11,500.00	7,900.00	11,777.66	7,780.00	63.23	70.77	-84.18	3,334.06	-2,635.20	1,183.69	1,058.91	124.78	9.486		
11,600.00	7,900.00	11,877.66	7,780.00	64.57	71.83	-84.18	3,434.06	-2,635.20	1,184.04	1,056.56	127.48	9.288		
11,700.00	7,900.00	11,977.66	7,780.00	65.93	72.91	-84.18	3,534.06	-2,635.20	1,184.39	1,054.19	130.20	9.097		
11,800.00	7,900.00	12,077.66	7,780.00	67.30	74.02	-84.19	3,634.06	-2,635.20	1,184.74	1,051.80	132.94	8.912		
11,900.00	7,900.00	12,177.66	7,780.00	68.68	75.16	-84.19	3,734.06	-2,635.20	1,185.09	1,049.40	135.70	8.733		
12,000.00	7,900.00	12,277.66	7,780.00	70.07	76.31	-84.19	3,834.06	-2,635.20	1,185.45	1,046.97	138.47	8.561		
12,100.00	7,900.00	12,377.66	7,780.00	71.46	77.49	-84.19	3,934.06	-2,635.20	1,185.80	1,044.54	141.26	8.394		
12,200.00	7,900.00	12,477.66	7,780.00	72.86	78.69	-84.19	4,034.06	-2,635.20	1,186.15	1,042.08	144.07	8.233		
12,300.00	7,900.00	12,577.66	7,780.00	74.27	79.91	-84.20	4,134.06	-2,635.20	1,186.50	1,039.61	146.89	8.078		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4A-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
12,400.00	7,900.00	12,677.66	7,780.00	75.69	81.15	-84.20	4,234.06	-2,635.20	1,186.85	1,037.13	149.72	7.927		
12,500.00	7,900.00	12,777.66	7,780.00	77.11	82.40	-84.20	4,334.06	-2,635.20	1,187.20	1,034.64	152.56	7.782		
12,600.00	7,900.00	12,877.66	7,780.00	78.54	83.67	-84.20	4,434.06	-2,635.20	1,187.56	1,032.14	155.42	7.641		
12,700.00	7,900.00	12,977.66	7,780.00	79.97	84.95	-84.20	4,534.06	-2,635.20	1,187.91	1,029.62	158.29	7.505		
12,800.00	7,900.00	13,077.65	7,780.00	81.41	86.24	-84.20	4,634.05	-2,635.20	1,188.26	1,027.09	161.16	7.373		
12,900.00	7,900.00	13,177.65	7,780.00	82.85	87.54	-84.21	4,734.05	-2,635.20	1,188.61	1,024.56	164.05	7.245		
13,000.00	7,900.00	13,277.65	7,780.00	84.30	88.86	-84.21	4,834.05	-2,635.20	1,188.96	1,022.01	166.95	7.122		
13,100.00	7,900.00	13,377.65	7,780.00	85.76	90.19	-84.21	4,934.05	-2,635.20	1,189.31	1,019.46	169.86	7.002		
13,200.00	7,900.00	13,477.65	7,780.00	87.22	91.53	-84.21	5,034.05	-2,635.20	1,189.66	1,016.89	172.77	6.886		
13,300.00	7,900.00	13,577.65	7,780.00	88.68	92.87	-84.21	5,134.05	-2,635.20	1,190.02	1,014.32	175.69	6.773		
13,400.00	7,900.00	13,677.65	7,780.00	90.14	94.23	-84.21	5,234.05	-2,635.20	1,190.37	1,011.74	178.63	6.664		
13,500.00	7,900.00	13,777.65	7,780.00	91.61	95.59	-84.22	5,334.05	-2,635.20	1,190.72	1,009.15	181.56	6.558		
13,600.00	7,900.00	13,877.65	7,780.00	93.09	96.96	-84.22	5,434.05	-2,635.20	1,191.07	1,006.56	184.51	6.455		
13,700.00	7,900.00	13,977.65	7,780.00	94.56	98.34	-84.22	5,534.05	-2,635.20	1,191.42	1,003.96	187.46	6.356		
13,800.00	7,900.00	14,077.65	7,780.00	96.04	99.73	-84.22	5,634.05	-2,635.20	1,191.77	1,001.35	190.42	6.259		
13,900.00	7,900.00	14,177.65	7,780.00	97.53	101.12	-84.22	5,734.05	-2,635.20	1,192.12	998.74	193.38	6.165		
14,000.00	7,900.00	14,277.65	7,780.00	99.01	102.52	-84.22	5,834.05	-2,635.20	1,192.48	996.12	196.35	6.073		
14,100.00	7,900.00	14,377.65	7,780.00	100.50	103.92	-84.23	5,934.05	-2,635.20	1,192.83	993.50	199.33	5.984		
14,200.00	7,900.00	14,477.65	7,780.00	101.99	105.33	-84.23	6,034.05	-2,635.20	1,193.18	990.87	202.31	5.898		
14,300.00	7,900.00	14,577.65	7,780.00	103.49	106.75	-84.23	6,134.05	-2,635.20	1,193.53	988.23	205.30	5.814		
14,400.00	7,900.00	14,677.64	7,780.00	104.98	108.17	-84.23	6,234.04	-2,635.20	1,193.88	985.59	208.29	5.732		
14,500.00	7,900.00	14,777.64	7,780.00	106.48	109.60	-84.23	6,334.04	-2,635.20	1,194.23	982.95	211.28	5.652		
14,600.00	7,900.00	14,877.64	7,780.00	107.98	111.03	-84.23	6,434.04	-2,635.20	1,194.58	980.30	214.28	5.575		
14,700.00	7,900.00	14,977.64	7,780.00	109.49	112.46	-84.24	6,534.04	-2,635.20	1,194.94	977.65	217.29	5.499		
14,800.00	7,900.00	15,077.64	7,780.00	110.99	113.90	-84.24	6,634.04	-2,635.20	1,195.29	974.99	220.30	5.426		
14,900.00	7,900.00	15,177.64	7,780.00	112.50	115.35	-84.24	6,734.04	-2,635.20	1,195.64	972.33	223.31	5.354 SF		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4B-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance					Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis			
0.00	0.00	0.00	0.00	0.00	0.00	0.27	60.10	0.29	60.10					
100.00	100.00	100.00	100.00	0.14	0.14	0.27	60.10	0.29	60.10	59.83	0.28	217.742		
200.00	200.00	200.00	200.00	0.50	0.50	0.27	60.10	0.29	60.10	59.11	0.99	60.527		
300.00	300.00	300.00	300.00	0.85	0.85	0.27	60.10	0.29	60.10	58.39	1.71	35.149		
400.00	400.00	400.39	400.35	1.21	1.21	-1.80	59.74	-1.88	59.77	57.35	2.42	24.696		
500.00	500.00	500.39	500.13	1.57	1.56	-8.10	58.65	-8.35	59.24	56.11	3.13	18.921		
516.60	516.60	516.93	516.60	1.63	1.62	-9.55	58.40	-9.83	59.22	55.97	3.25	18.214	CC, ES	
600.00	600.00	599.63	598.78	1.93	1.92	-18.48	56.85	-19.00	59.96	56.10	3.85	15.553		
700.00	700.00	697.76	695.76	2.29	2.31	-31.76	54.39	-33.66	64.10	59.51	4.59	13.964		
800.00	799.98	794.78	790.94	2.64	2.72	59.50	51.27	-52.18	72.82	67.51	5.31	13.707		
900.00	899.84	890.92	884.40	2.98	3.16	49.56	47.53	-74.42	85.07	79.06	6.01	14.148		
1,000.00	999.45	986.18	975.98	3.33	3.64	42.12	43.18	-100.26	99.94	93.24	6.71	14.904		
1,100.00	1,098.70	1,080.54	1,065.54	3.70	4.17	36.58	38.25	-129.52	116.73	109.34	7.39	15.797		
1,200.00	1,197.47	1,173.99	1,152.96	4.08	4.76	32.41	32.78	-162.07	134.98	126.90	8.08	16.714		
1,300.00	1,295.62	1,266.53	1,238.14	4.47	5.41	29.23	26.77	-197.73	154.37	145.61	8.76	17.618		
1,400.00	1,393.06	1,360.30	1,322.98	4.90	6.13	26.73	20.15	-237.09	174.51	165.02	9.49	18.396		
1,500.00	1,489.64	1,458.52	1,411.49	5.36	6.93	25.01	13.08	-279.10	192.59	182.28	10.31	18.681		
1,600.00	1,585.63	1,557.14	1,500.35	5.85	7.75	23.95	5.98	-321.26	208.76	197.60	11.16	18.706		
1,700.00	1,681.60	1,655.77	1,589.22	6.35	8.59	23.06	-1.12	-363.44	224.95	212.93	12.02	18.712		
1,800.00	1,777.57	1,754.39	1,678.10	6.87	9.43	22.29	-8.21	-405.61	241.18	228.30	12.89	18.714		
1,900.00	1,873.55	1,853.02	1,766.97	7.40	10.28	21.62	-15.31	-447.78	257.46	243.70	13.76	18.712		
2,000.00	1,969.52	1,951.64	1,855.84	7.94	11.14	21.03	-22.41	-489.95	273.76	259.12	14.63	18.708		
2,100.00	2,065.49	2,050.27	1,944.71	8.48	12.00	20.51	-29.51	-532.13	290.08	274.57	15.51	18.704		
2,200.00	2,161.47	2,148.89	2,033.58	9.03	12.87	20.04	-36.61	-574.30	306.43	290.04	16.39	18.699		
2,300.00	2,257.44	2,247.52	2,122.45	9.58	13.74	19.62	-43.70	-616.47	322.80	305.53	17.27	18.693		
2,400.00	2,353.41	2,346.14	2,211.32	10.14	14.61	19.24	-50.80	-658.64	339.18	321.03	18.15	18.688		
2,500.00	2,449.39	2,444.77	2,300.19	10.70	15.49	18.89	-57.90	-700.81	355.57	336.54	19.03	18.683		
2,600.00	2,545.36	2,543.40	2,389.06	11.27	16.36	18.58	-65.00	-742.99	371.98	352.06	19.92	18.677		
2,700.00	2,641.33	2,642.02	2,477.94	11.83	17.24	18.29	-72.09	-785.16	388.40	367.60	20.80	18.672		
2,800.00	2,737.31	2,740.65	2,566.81	12.40	18.12	18.02	-79.19	-827.33	404.82	383.14	21.69	18.667		
2,900.00	2,833.28	2,839.27	2,655.68	12.97	19.00	17.78	-86.29	-869.50	421.25	398.68	22.57	18.662		
3,000.00	2,929.25	2,937.90	2,744.55	13.54	19.88	17.55	-93.39	-911.68	437.69	414.23	23.46	18.658		
3,100.00	3,025.23	3,036.52	2,833.42	14.11	20.76	17.34	-100.49	-953.85	454.14	429.79	24.35	18.653		
3,200.00	3,121.20	3,135.15	2,922.29	14.69	21.64	17.15	-107.58	-996.02	470.59	445.36	25.23	18.649		
3,300.00	3,217.17	3,233.77	3,011.16	15.26	22.52	16.97	-114.68	-1,038.19	487.05	460.92	26.12	18.644		
3,400.00	3,313.15	3,332.40	3,100.03	15.84	23.40	16.80	-121.78	-1,080.37	503.51	476.50	27.01	18.640		
3,500.00	3,409.12	3,431.02	3,188.90	16.42	24.29	16.64	-128.88	-1,122.54	519.97	492.07	27.90	18.637		
3,600.00	3,505.09	3,529.65	3,277.78	16.99	25.17	16.49	-135.98	-1,164.71	536.44	507.65	28.79	18.633		
3,700.00	3,601.07	3,628.27	3,366.65	17.57	26.06	16.35	-143.07	-1,206.88	552.91	523.23	29.68	18.629		
3,800.00	3,697.04	3,726.90	3,455.52	18.15	26.94	16.22	-150.17	-1,249.05	569.39	538.82	30.57	18.626		
3,900.00	3,793.01	3,825.52	3,544.39	18.73	27.83	16.09	-157.27	-1,291.23	585.86	554.40	31.46	18.622		
4,000.00	3,888.99	3,924.15	3,633.26	19.31	28.71	15.97	-164.37	-1,333.40	602.34	569.99	32.35	18.619		
4,100.00	3,984.96	4,022.78	3,722.13	19.89	29.60	15.86	-171.46	-1,375.57	618.83	585.59	33.24	18.616		
4,200.00	4,080.93	4,121.40	3,811.00	20.47	30.48	15.75	-178.56	-1,417.74	635.31	601.18	34.13	18.613		
4,300.00	4,176.91	4,220.03	3,899.87	21.05	31.37	15.65	-185.66	-1,459.92	651.80	616.77	35.02	18.610		
4,400.00	4,272.88	4,318.65	3,988.74	21.63	32.26	15.56	-192.76	-1,502.09	668.29	632.37	35.91	18.607		
4,500.00	4,368.85	4,417.28	4,077.62	22.21	33.14	15.47	-199.86	-1,544.26	684.78	647.97	36.81	18.605		
4,600.00	4,464.83	4,515.90	4,166.49	22.80	34.03	15.38	-206.95	-1,586.43	701.27	663.57	37.70	18.602		
4,700.00	4,560.80	4,614.53	4,255.36	23.38	34.91	15.30	-214.05	-1,628.60	717.76	679.17	38.59	18.600		
4,800.00	4,656.77	4,713.15	4,344.23	23.96	35.80	15.22	-221.15	-1,670.78	734.26	694.77	39.48	18.597		
4,900.00	4,752.75	4,811.78	4,433.10	24.54	36.69	15.14	-228.25	-1,712.95	750.75	710.38	40.37	18.595		
5,000.00	4,848.72	4,910.40	4,521.97	25.13	37.58	15.07	-235.35	-1,755.12	767.25	725.98	41.27	18.592		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4B-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
5,100.00	4,944.69	5,009.03	4,610.84	25.71	38.46	15.00	-242.44	-1,797.29	783.75	741.59	42.16	18.590		
5,200.00	5,040.67	5,107.65	4,699.71	26.29	39.35	14.94	-249.54	-1,839.47	800.25	757.20	43.05	18.588		
5,300.00	5,136.64	5,206.28	4,788.58	26.88	40.24	14.87	-256.64	-1,881.64	816.75	772.80	43.94	18.586		
5,400.00	5,232.61	5,304.90	4,877.45	27.46	41.13	14.81	-263.74	-1,923.81	833.25	788.41	44.84	18.584		
5,500.00	5,328.59	5,403.53	4,966.33	28.05	42.01	14.75	-270.83	-1,965.98	849.75	804.02	45.73	18.582		
5,600.00	5,424.56	5,502.15	5,055.20	28.63	42.90	14.69	-277.93	-2,008.15	866.25	819.63	46.62	18.580		
5,700.00	5,520.53	5,600.78	5,144.07	29.21	43.79	14.64	-285.03	-2,050.33	882.76	835.24	47.52	18.578		
5,800.00	5,616.51	5,699.41	5,232.94	29.80	44.68	14.59	-292.13	-2,092.50	899.26	850.85	48.41	18.576		
5,900.00	5,712.48	5,801.97	5,321.81	30.38	45.60	14.54	-299.23	-2,134.67	915.77	866.45	49.32	18.567		
6,000.00	5,808.45	5,903.34	5,410.68	30.97	46.51	14.49	-306.32	-2,176.84	932.27	882.04	50.23	18.560		
6,100.00	5,904.43	5,995.28	5,499.55	31.55	47.34	14.45	-313.42	-2,219.01	948.80	897.71	51.09	18.571		
6,200.00	6,000.96	6,106.46	5,588.09	32.11	48.34	14.47	-320.49	-2,261.03	967.28	915.26	52.03	18.592		
6,300.00	6,098.34	6,191.11	5,676.01	32.62	49.10	14.45	-327.52	-2,302.75	989.09	936.28	52.81	18.730		
6,400.00	6,196.46	6,336.64	5,808.30	33.08	50.35	14.34	-337.58	-2,362.53	1,012.66	958.61	54.05	18.737		
6,500.00	6,295.19	6,511.48	5,971.80	33.50	51.61	14.22	-347.84	-2,423.49	1,032.72	977.45	55.27	18.684		
6,600.00	6,394.41	6,690.21	6,143.31	33.87	52.63	14.12	-356.16	-2,472.92	1,048.64	992.45	56.18	18.665		
6,700.00	6,494.01	6,872.02	6,321.24	34.21	53.42	14.05	-362.32	-2,509.53	1,060.23	1,003.48	56.74	18.685		
6,800.00	6,593.86	7,055.99	6,503.70	34.51	53.99	14.01	-366.15	-2,532.31	1,067.35	1,010.41	56.94	18.745		
6,900.00	6,693.83	7,241.10	6,688.57	34.77	54.38	13.99	-367.54	-2,540.58	1,069.92	1,013.17	56.76	18.851		
7,000.00	6,793.83	7,346.36	6,793.83	35.01	54.54	-90.02	-367.55	-2,540.61	1,069.93	1,012.69	57.24	18.692		
7,100.00	6,893.83	7,446.42	6,893.89	35.25	54.70	-90.02	-367.48	-2,540.61	1,069.93	1,012.15	57.79	18.515		
7,167.25	6,961.08	7,513.76	6,961.08	35.41	54.80	-89.80	-363.37	-2,540.60	1,069.92	1,011.71	58.21	18.380		
7,200.00	6,993.83	7,546.14	6,993.18	35.49	54.85	-89.57	-359.15	-2,540.58	1,069.93	1,011.47	58.46	18.302		
7,300.00	7,093.83	7,641.77	7,086.43	35.73	54.97	-88.46	-338.29	-2,540.51	1,070.24	1,010.86	59.39	18.021		
7,400.00	7,193.83	7,730.47	7,169.75	35.98	55.06	-87.02	-307.99	-2,540.40	1,071.62	1,011.04	60.58	17.689		
7,500.00	7,293.40	7,813.91	7,244.13	36.21	55.12	-85.13	-270.30	-2,540.27	1,074.40	1,012.59	61.81	17.382		
7,600.00	7,390.83	7,894.47	7,311.33	36.41	55.16	-83.32	-225.94	-2,540.11	1,078.18	1,015.32	62.86	17.152		
7,700.00	7,484.24	7,972.69	7,371.41	36.58	55.18	-81.63	-175.93	-2,539.94	1,082.68	1,019.00	63.68	17.002		
7,800.00	7,571.80	8,050.00	7,425.09	36.72	55.19	-80.05	-120.34	-2,539.74	1,087.59	1,023.32	64.27	16.921		
7,900.00	7,651.80	8,123.71	7,470.41	36.81	55.18	-78.65	-62.25	-2,539.54	1,092.61	1,027.98	64.63	16.905		
8,000.00	7,722.70	8,197.17	7,509.40	36.86	55.15	-77.42	-0.02	-2,539.32	1,097.44	1,032.60	64.84	16.925		
8,100.00	7,783.11	8,269.64	7,541.42	36.88	55.12	-76.38	64.95	-2,539.09	1,101.83	1,036.86	64.97	16.960		
8,200.00	7,831.85	8,341.33	7,566.48	36.87	55.08	-75.54	132.09	-2,538.85	1,105.56	1,040.47	65.09	16.986		
8,300.00	7,867.98	8,412.46	7,584.58	36.85	55.04	-74.91	200.84	-2,538.61	1,108.44	1,043.16	65.28	16.981		
8,400.00	7,890.79	8,483.20	7,595.74	36.83	55.01	-74.51	270.66	-2,538.36	1,110.34	1,044.75	65.59	16.929		
8,500.00	7,899.84	8,553.73	7,599.96	36.82	54.98	-74.34	341.04	-2,538.11	1,111.17	1,045.11	66.06	16.820		
8,600.00	7,900.00	8,650.54	7,600.00	36.85	54.95	-74.34	437.85	-2,537.77	1,111.19	1,044.36	66.83	16.627		
8,700.00	7,900.00	8,750.54	7,600.00	36.94	54.95	-74.34	537.85	-2,537.42	1,111.19	1,043.45	67.74	16.403		
8,800.00	7,900.00	8,850.54	7,600.00	37.08	54.97	-74.34	637.85	-2,537.07	1,111.19	1,042.42	68.78	16.157		
8,900.00	7,900.00	8,950.54	7,600.00	37.29	55.01	-74.34	737.85	-2,536.72	1,111.20	1,041.27	69.93	15.890		
9,000.00	7,900.00	9,050.54	7,600.00	37.59	55.09	-74.34	837.85	-2,536.36	1,111.20	1,040.00	71.20	15.607		
9,100.00	7,900.00	9,150.54	7,600.00	37.97	55.19	-74.34	937.85	-2,536.01	1,111.20	1,038.62	72.57	15.311		
9,200.00	7,900.00	9,250.54	7,600.00	38.44	55.33	-74.34	1,037.85	-2,535.66	1,111.20	1,037.14	74.05	15.005		
9,300.00	7,900.00	9,350.54	7,600.00	39.00	55.49	-74.34	1,137.85	-2,535.31	1,111.20	1,035.57	75.63	14.693		
9,400.00	7,900.00	9,450.54	7,600.00	39.65	55.69	-74.34	1,237.85	-2,534.95	1,111.20	1,033.91	77.29	14.377		
9,500.00	7,900.00	9,550.54	7,600.00	40.38	55.93	-74.34	1,337.85	-2,534.60	1,111.20	1,032.16	79.04	14.059		
9,600.00	7,900.00	9,650.54	7,600.00	41.18	56.20	-74.34	1,437.85	-2,534.25	1,111.20	1,030.33	80.87	13.741		
9,700.00	7,900.00	9,750.54	7,600.00	42.04	56.52	-74.34	1,537.85	-2,533.89	1,111.20	1,028.43	82.77	13.425		
9,800.00	7,900.00	9,850.54	7,600.00	42.96	56.87	-74.34	1,637.85	-2,533.54	1,111.20	1,026.46	84.74	13.113		
9,900.00	7,900.00	9,950.54	7,600.00	43.93	57.28	-74.34	1,737.85	-2,533.19	1,111.20	1,024.43	86.77	12.806		
10,000.00	7,900.00	10,050.54	7,600.00	44.94	57.72	-74.34	1,837.84	-2,532.84	1,111.20	1,022.34	88.86	12.504		
10,100.00	7,900.00	10,150.54	7,600.00	45.99	58.22	-74.34	1,937.84	-2,532.48	1,111.20	1,020.19	91.01	12.209		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4B-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft			
Survey Program: O-MWD+HDGM															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor				
10,200.00	7,900.00	10,250.54	7,600.00	47.07	58.76	-74.34	2,037.84	-2,532.13	1,111.20	1,017.99	93.21	11.921				
10,300.00	7,900.00	10,350.54	7,600.00	48.19	59.36	-74.34	2,137.84	-2,531.78	1,111.20	1,015.74	95.46	11.640				
10,400.00	7,900.00	10,450.54	7,600.00	49.33	60.00	-74.34	2,237.84	-2,531.43	1,111.21	1,013.45	97.75	11.367				
10,500.00	7,900.00	10,550.54	7,600.00	50.50	60.69	-74.34	2,337.84	-2,531.07	1,111.21	1,011.12	100.09	11.102				
10,600.00	7,900.00	10,650.54	7,600.00	51.69	61.42	-74.34	2,437.84	-2,530.72	1,111.21	1,008.74	102.46	10.845				
10,700.00	7,900.00	10,750.54	7,600.00	52.91	62.21	-74.34	2,537.84	-2,530.37	1,111.21	1,006.34	104.87	10.596				
10,800.00	7,900.00	10,850.54	7,600.00	54.14	63.04	-74.34	2,637.84	-2,530.02	1,111.21	1,003.89	107.32	10.355				
10,900.00	7,900.00	10,950.54	7,600.00	55.39	63.91	-74.34	2,737.84	-2,529.66	1,111.21	1,001.42	109.79	10.121				
11,000.00	7,900.00	11,050.54	7,600.00	56.66	64.82	-74.34	2,837.84	-2,529.31	1,111.21	998.92	112.29	9.896				
11,100.00	7,900.00	11,150.54	7,600.00	57.95	65.77	-74.34	2,937.84	-2,528.96	1,111.21	996.38	114.83	9.677				
11,200.00	7,900.00	11,250.54	7,600.00	59.25	66.75	-74.34	3,037.84	-2,528.61	1,111.21	993.83	117.38	9.466				
11,300.00	7,900.00	11,350.54	7,600.00	60.56	67.77	-74.34	3,137.84	-2,528.25	1,111.21	991.25	119.97	9.263				
11,400.00	7,900.00	11,450.54	7,600.00	61.89	68.82	-74.34	3,237.84	-2,527.90	1,111.21	988.64	122.57	9.066				
11,500.00	7,900.00	11,550.54	7,600.00	63.23	69.90	-74.34	3,337.84	-2,527.55	1,111.21	986.02	125.19	8.876				
11,600.00	7,900.00	11,650.54	7,600.00	64.57	71.01	-74.34	3,437.83	-2,527.20	1,111.21	983.37	127.84	8.692				
11,700.00	7,900.00	11,750.54	7,600.00	65.93	72.14	-74.34	3,537.83	-2,526.84	1,111.21	980.71	130.50	8.515				
11,800.00	7,900.00	11,850.54	7,600.00	67.30	73.29	-74.34	3,637.83	-2,526.49	1,111.21	978.03	133.18	8.343				
11,900.00	7,900.00	11,950.54	7,600.00	68.68	74.47	-74.34	3,737.83	-2,526.14	1,111.22	975.33	135.88	8.178				
12,000.00	7,900.00	12,050.54	7,600.00	70.07	75.66	-74.34	3,837.83	-2,525.79	1,111.22	972.62	138.60	8.018				
12,100.00	7,900.00	12,150.54	7,600.00	71.46	76.88	-74.34	3,937.83	-2,525.43	1,111.22	969.89	141.32	7.863				
12,200.00	7,900.00	12,250.54	7,600.00	72.86	78.11	-74.34	4,037.83	-2,525.08	1,111.22	967.15	144.07	7.713				
12,300.00	7,900.00	12,350.54	7,600.00	74.27	79.36	-74.34	4,137.83	-2,524.73	1,111.22	964.40	146.82	7.569				
12,400.00	7,900.00	12,450.54	7,600.00	75.69	80.62	-74.34	4,237.83	-2,524.38	1,111.22	961.63	149.59	7.429				
12,500.00	7,900.00	12,550.54	7,600.00	77.11	81.90	-74.34	4,337.83	-2,524.02	1,111.22	958.85	152.37	7.293				
12,600.00	7,900.00	12,650.54	7,600.00	78.54	83.19	-74.34	4,437.83	-2,523.67	1,111.22	956.06	155.16	7.162				
12,700.00	7,900.00	12,750.54	7,600.00	79.97	84.49	-74.34	4,537.83	-2,523.32	1,111.22	953.27	157.96	7.035				
12,800.00	7,900.00	12,850.54	7,600.00	81.41	85.80	-74.34	4,637.83	-2,522.97	1,111.22	950.46	160.77	6.912				
12,900.00	7,900.00	12,950.54	7,600.00	82.85	87.13	-74.34	4,737.83	-2,522.61	1,111.22	947.64	163.59	6.793				
13,000.00	7,900.00	13,050.54	7,600.00	84.30	88.46	-74.34	4,837.83	-2,522.26	1,111.22	944.81	166.41	6.677				
13,100.00	7,900.00	13,150.54	7,600.00	85.76	89.81	-74.34	4,937.83	-2,521.91	1,111.22	941.97	169.25	6.566				
13,200.00	7,900.00	13,250.54	7,600.00	87.22	91.16	-74.34	5,037.82	-2,521.55	1,111.22	939.13	172.10	6.457				
13,300.00	7,900.00	13,350.54	7,600.00	88.68	92.52	-74.34	5,137.82	-2,521.20	1,111.23	936.28	174.95	6.352				
13,400.00	7,900.00	13,450.54	7,600.00	90.14	93.89	-74.34	5,237.82	-2,520.85	1,111.23	933.42	177.81	6.250				
13,500.00	7,900.00	13,550.54	7,600.00	91.61	95.27	-74.34	5,337.82	-2,520.50	1,111.23	930.55	180.67	6.150				
13,600.00	7,900.00	13,650.54	7,600.00	93.09	96.66	-74.34	5,437.82	-2,520.14	1,111.23	927.68	183.55	6.054				
13,700.00	7,900.00	13,750.54	7,600.00	94.56	98.05	-74.34	5,537.82	-2,519.79	1,111.23	924.80	186.43	5.961				
13,800.00	7,900.00	13,850.54	7,600.00	96.04	99.45	-74.34	5,637.82	-2,519.44	1,111.23	921.92	189.31	5.870				
13,900.00	7,900.00	13,950.54	7,600.00	97.53	100.85	-74.34	5,737.82	-2,519.09	1,111.23	919.02	192.20	5.781				
14,000.00	7,900.00	14,050.54	7,600.00	99.01	102.26	-74.34	5,837.82	-2,518.73	1,111.23	916.13	195.10	5.696				
14,100.00	7,900.00	14,150.54	7,600.00	100.50	103.67	-74.34	5,937.82	-2,518.38	1,111.23	913.23	198.00	5.612				
14,200.00	7,900.00	14,250.54	7,600.00	101.99	105.10	-74.34	6,037.82	-2,518.03	1,111.23	910.32	200.91	5.531				
14,300.00	7,900.00	14,350.54	7,600.00	103.49	106.52	-74.34	6,137.82	-2,517.68	1,111.23	907.41	203.82	5.452				
14,400.00	7,900.00	14,450.54	7,600.00	104.98	107.95	-74.34	6,237.82	-2,517.32	1,111.23	904.49	206.74	5.375				
14,500.00	7,900.00	14,550.54	7,600.00	106.48	109.39	-74.34	6,337.82	-2,516.97	1,111.23	901.57	209.66	5.300				
14,600.00	7,900.00	14,650.54	7,600.00	107.98	110.83	-74.34	6,437.82	-2,516.62	1,111.23	898.65	212.59	5.227				
14,700.00	7,900.00	14,750.54	7,600.00	109.49	112.27	-74.34	6,537.82	-2,516.27	1,111.23	895.72	215.52	5.156				
14,800.00	7,900.00	14,850.54	7,600.00	110.99	113.72	-74.34	6,637.81	-2,515.91	1,111.24	892.79	218.45	5.087				
14,900.00	7,900.00	14,950.54	7,600.00	112.50	115.17	-74.34	6,737.81	-2,515.56	1,111.24	889.85	221.39	5.019				
15,000.00	7,900.00	15,050.54	7,600.00	114.01	116.62	-74.34	6,837.81	-2,515.21	1,111.24	886.91	224.33	4.954				
15,100.00	7,900.00	15,150.54	7,600.00	115.52	118.08	-74.34	6,937.81	-2,514.86	1,111.24	883.97	227.27	4.890				
15,200.00	7,900.00	15,250.54	7,600.00	117.04	119.54	-74.34	7,037.81	-2,514.50	1,111.24	881.02	230.22	4.827				
15,300.00	7,900.00	15,350.54	7,600.00	118.55	121.00	-74.34	7,137.81	-2,514.15	1,111.24	878.07	233.17	4.766				

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4B-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	15,450.54	7,600.00	120.07	122.47	-74.34	7,237.81	-2,513.80	1,111.24	875.12	236.12	4.706		
15,500.00	7,900.00	15,550.54	7,600.00	121.59	123.94	-74.34	7,337.81	-2,513.45	1,111.24	872.16	239.08	4.648		
15,600.00	7,900.00	15,650.54	7,600.00	123.11	125.42	-74.34	7,437.81	-2,513.09	1,111.24	869.20	242.04	4.591		
15,700.00	7,900.00	15,750.54	7,600.00	124.63	126.89	-74.34	7,537.81	-2,512.74	1,111.24	866.24	245.00	4.536		
15,800.00	7,900.00	15,850.54	7,600.00	126.15	128.37	-74.34	7,637.81	-2,512.39	1,111.24	863.28	247.96	4.481		
15,900.00	7,900.00	15,950.54	7,600.00	127.67	129.85	-74.34	7,737.81	-2,512.04	1,111.24	860.31	250.93	4.428		
16,000.00	7,900.00	16,050.54	7,600.00	129.20	131.33	-74.34	7,837.81	-2,511.68	1,111.24	857.34	253.90	4.377		
16,100.00	7,900.00	16,150.54	7,600.00	130.73	132.82	-74.34	7,937.81	-2,511.33	1,111.24	854.37	256.87	4.326		
16,200.00	7,900.00	16,250.54	7,600.00	132.25	134.31	-74.34	8,037.81	-2,510.98	1,111.24	851.40	259.85	4.277		
16,300.00	7,900.00	16,350.54	7,600.00	133.78	135.80	-74.34	8,137.81	-2,510.63	1,111.25	848.42	262.83	4.228		
16,400.00	7,900.00	16,450.54	7,600.00	135.31	137.29	-74.34	8,237.80	-2,510.27	1,111.25	845.44	265.80	4.181		
16,500.00	7,900.00	16,550.54	7,600.00	136.84	138.79	-74.34	8,337.80	-2,509.92	1,111.25	842.46	268.79	4.134		
16,600.00	7,900.00	16,650.54	7,600.00	138.38	140.28	-74.34	8,437.80	-2,509.57	1,111.25	839.48	271.77	4.089		
16,700.00	7,900.00	16,750.54	7,600.00	139.91	141.78	-74.34	8,537.80	-2,509.22	1,111.25	836.49	274.75	4.045		
16,800.00	7,900.00	16,850.54	7,600.00	141.44	143.28	-74.34	8,637.80	-2,508.86	1,111.25	833.51	277.74	4.001		
16,900.00	7,900.00	16,950.54	7,600.00	142.98	144.78	-74.34	8,737.80	-2,508.51	1,111.25	830.52	280.73	3.958		
17,000.00	7,900.00	17,050.54	7,600.00	144.52	146.28	-74.34	8,837.80	-2,508.16	1,111.25	827.53	283.72	3.917		
17,100.00	7,900.00	17,150.54	7,600.00	146.05	147.79	-74.34	8,937.80	-2,507.80	1,111.25	824.54	286.71	3.876		
17,200.00	7,900.00	17,250.54	7,600.00	147.59	149.30	-74.34	9,037.80	-2,507.45	1,111.25	821.55	289.71	3.836		
17,300.00	7,900.00	17,350.54	7,600.00	149.13	150.80	-74.34	9,137.80	-2,507.10	1,111.25	818.55	292.70	3.797		
17,400.00	7,900.00	17,450.54	7,600.00	150.67	152.31	-74.34	9,237.80	-2,506.75	1,111.25	815.56	295.70	3.758		
17,500.00	7,900.00	17,550.54	7,600.00	152.21	153.83	-74.34	9,337.80	-2,506.39	1,111.25	812.56	298.70	3.720		
17,600.00	7,900.00	17,650.54	7,600.00	153.75	155.34	-74.34	9,437.80	-2,506.04	1,111.25	809.56	301.70	3.683		
17,700.00	7,900.00	17,750.54	7,600.00	155.29	156.85	-74.34	9,537.80	-2,505.69	1,111.25	806.56	304.70	3.647		
17,800.00	7,900.00	17,850.54	7,600.00	156.84	158.37	-74.34	9,637.80	-2,505.34	1,111.26	803.56	307.70	3.611		
17,900.00	7,900.00	17,950.54	7,600.00	158.38	159.88	-74.34	9,737.80	-2,504.98	1,111.26	800.55	310.70	3.577		
17,930.78	7,900.00	17,956.14	7,600.00	158.86	159.97	-74.34	9,743.39	-2,504.96	1,111.54	799.35	312.19	3.560 SF		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4C-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.33	49.91	0.29	49.91					
100.00	100.00	100.00	100.00	0.14	0.14	0.33	49.91	0.29	49.91	49.63	0.28	180.805		
200.00	200.00	200.00	200.00	0.50	0.50	0.33	49.91	0.29	49.91	48.91	0.99	50.260		
300.00	300.00	300.00	300.00	0.85	0.85	0.33	49.91	0.29	49.91	48.20	1.71	29.187		
400.00	400.00	400.00	400.00	1.21	1.21	0.33	49.91	0.29	49.91	47.48	2.43	20.564		
500.00	500.00	500.26	500.24	1.57	1.56	-1.67	49.61	-1.44	49.63	46.50	3.14	15.828		
600.00	600.00	600.28	600.11	1.93	1.91	-7.73	48.74	-6.61	49.18	45.34	3.84	12.800		
622.12	622.12	622.35	622.12	2.01	1.99	-9.62	48.46	-8.22	49.16	45.15	4.00	12.286 CC		
700.00	700.00	699.81	699.26	2.29	2.27	-17.78	47.29	-15.17	49.66	45.11	4.56	10.895 ES		
800.00	799.98	798.84	797.55	2.64	2.64	74.92	45.27	-27.04	52.31	47.04	5.27	9.923		
900.00	899.84	897.51	895.01	2.98	3.03	65.17	42.70	-42.20	57.00	51.02	5.98	9.527		
1,000.00	999.45	995.83	991.55	3.33	3.43	57.25	39.59	-60.58	63.26	56.56	6.70	9.441		
1,100.00	1,098.70	1,093.81	1,087.05	3.70	3.87	51.02	35.93	-82.14	70.66	63.24	7.43	9.516		
1,200.00	1,197.47	1,191.44	1,181.41	4.08	4.34	46.17	31.75	-106.82	78.85	70.70	8.16	9.668		
1,300.00	1,295.62	1,288.74	1,274.56	4.47	4.85	42.40	27.05	-134.54	87.60	78.70	8.90	9.842		
1,400.00	1,393.06	1,385.71	1,368.38	4.90	5.40	39.47	21.84	-165.27	96.71	87.06	9.66	10.014		
1,500.00	1,489.64	1,482.36	1,456.79	5.36	6.00	37.19	16.14	-198.92	106.09	95.65	10.43	10.167		
1,600.00	1,585.63	1,578.55	1,545.59	5.85	6.65	35.15	9.96	-235.37	116.64	105.42	11.22	10.395		
1,700.00	1,681.60	1,674.52	1,632.91	6.35	7.36	32.79	3.30	-274.62	130.15	118.15	12.00	10.847		
1,800.00	1,777.57	1,773.30	1,722.30	6.87	8.14	30.60	-3.72	-316.05	144.89	132.04	12.85	11.277		
1,900.00	1,873.55	1,872.07	1,811.69	7.40	8.93	28.82	-10.74	-357.47	159.80	146.10	13.70	11.663		
2,000.00	1,969.52	1,970.84	1,901.08	7.94	9.73	27.34	-17.76	-398.90	174.84	160.28	14.56	12.009		
2,100.00	2,065.49	2,069.61	1,990.46	8.48	10.55	26.10	-24.79	-440.33	189.97	174.55	15.42	12.319		
2,200.00	2,161.47	2,168.38	2,079.85	9.03	11.37	25.04	-31.81	-481.76	205.17	188.89	16.28	12.600		
2,300.00	2,257.44	2,267.15	2,169.24	9.58	12.20	24.13	-38.83	-523.18	220.44	203.29	17.15	12.854		
2,400.00	2,353.41	2,365.92	2,258.63	10.14	13.04	23.33	-45.85	-564.61	235.75	217.74	18.02	13.084		
2,500.00	2,449.39	2,464.69	2,348.01	10.70	13.88	22.63	-52.88	-606.04	251.11	232.22	18.89	13.294		
2,600.00	2,545.36	2,563.46	2,437.40	11.27	14.72	22.02	-59.90	-647.47	266.49	246.73	19.76	13.486		
2,700.00	2,641.33	2,662.24	2,526.79	11.83	15.57	21.47	-66.92	-688.89	281.90	261.27	20.63	13.662		
2,800.00	2,737.31	2,761.01	2,616.18	12.40	16.42	20.97	-73.95	-730.32	297.34	275.83	21.51	13.824		
2,900.00	2,833.28	2,859.78	2,705.57	12.97	17.27	20.53	-80.97	-771.75	312.79	290.40	22.38	13.973		
3,000.00	2,929.25	2,958.55	2,794.95	13.54	18.12	20.13	-87.99	-813.18	328.26	305.00	23.26	14.111		
3,100.00	3,025.23	3,057.32	2,884.34	14.11	18.97	19.76	-95.01	-854.60	343.74	319.60	24.14	14.239		
3,200.00	3,121.20	3,156.09	2,973.73	14.69	19.83	19.42	-102.04	-896.03	359.24	334.22	25.02	14.358		
3,300.00	3,217.17	3,254.86	3,063.12	15.26	20.69	19.12	-109.06	-937.46	374.75	348.85	25.90	14.469		
3,400.00	3,313.15	3,353.63	3,152.50	15.84	21.55	18.84	-116.08	-978.89	390.27	363.49	26.78	14.573		
3,500.00	3,409.12	3,452.40	3,241.89	16.42	22.41	18.57	-123.10	-1,020.31	405.79	378.13	27.66	14.669		
3,600.00	3,505.09	3,551.18	3,331.28	16.99	23.27	18.33	-130.13	-1,061.74	421.33	392.78	28.54	14.760		
3,700.00	3,601.07	3,649.95	3,420.67	17.57	24.13	18.11	-137.15	-1,103.17	436.87	407.44	29.43	14.845		
3,800.00	3,697.04	3,748.72	3,510.06	18.15	24.99	17.90	-144.17	-1,144.60	452.41	422.10	30.31	14.926		
3,900.00	3,793.01	3,847.49	3,599.44	18.73	25.85	17.70	-151.19	-1,186.02	467.97	436.77	31.20	15.001		
4,000.00	3,888.99	3,946.26	3,688.83	19.31	26.72	17.52	-158.22	-1,227.45	483.52	451.44	32.08	15.072		
4,100.00	3,984.96	4,045.03	3,778.22	19.89	27.58	17.35	-165.24	-1,268.88	499.09	466.12	32.96	15.140		
4,200.00	4,080.93	4,143.80	3,867.61	20.47	28.44	17.19	-172.26	-1,310.31	514.65	480.80	33.85	15.204		
4,300.00	4,176.91	4,242.57	3,956.99	21.05	29.31	17.04	-179.28	-1,351.73	530.22	495.48	34.74	15.264		
4,400.00	4,272.88	4,341.34	4,046.38	21.63	30.17	16.89	-186.31	-1,393.16	545.79	510.17	35.62	15.322		
4,500.00	4,368.85	4,440.11	4,135.77	22.21	31.04	16.76	-193.33	-1,434.59	561.37	524.86	36.51	15.376		
4,600.00	4,464.83	4,538.89	4,225.16	22.80	31.90	16.63	-200.35	-1,476.02	576.95	539.55	37.40	15.428		
4,700.00	4,560.80	4,637.66	4,314.55	23.38	32.77	16.51	-207.38	-1,517.44	592.53	554.25	38.28	15.478		
4,800.00	4,656.77	4,736.43	4,403.93	23.96	33.63	16.40	-214.40	-1,558.87	608.11	568.94	39.17	15.525		
4,900.00	4,752.75	4,835.20	4,493.32	24.54	34.50	16.29	-221.42	-1,600.30	623.70	583.64	40.06	15.570		
5,000.00	4,848.72	4,933.97	4,582.71	25.13	35.37	16.18	-228.44	-1,641.73	639.29	598.34	40.95	15.613		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4C-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft			
Survey Program: 0-MWD+HDGM															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning			
5,100.00	4,944.69	5,032.74	4,672.10	25.71	36.23	16.08	-235.47	-1,683.15	654.88	613.05	41.83	15.654				
5,200.00	5,040.67	5,131.51	4,761.48	26.29	37.10	15.99	-242.49	-1,724.58	670.47	627.75	42.72	15.694				
5,300.00	5,136.64	5,230.28	4,850.87	26.88	37.97	15.90	-249.51	-1,766.01	686.07	642.45	43.61	15.732				
5,400.00	5,232.61	5,329.05	4,940.26	27.46	38.84	15.81	-256.53	-1,807.44	701.66	657.16	44.50	15.768				
5,500.00	5,328.59	5,427.83	5,029.65	28.05	39.70	15.73	-263.56	-1,848.86	717.26	671.87	45.39	15.803				
5,600.00	5,424.56	5,526.60	5,119.04	28.63	40.57	15.65	-270.58	-1,890.29	732.86	686.58	46.28	15.836				
5,700.00	5,520.53	5,625.37	5,208.42	29.21	41.44	15.58	-277.60	-1,931.72	748.46	701.29	47.17	15.868				
5,800.00	5,616.51	5,724.14	5,297.81	29.80	42.31	15.51	-284.62	-1,973.15	764.06	716.00	48.06	15.899				
5,900.00	5,712.48	5,822.91	5,387.20	30.38	43.18	15.44	-291.65	-2,014.57	779.66	730.71	48.95	15.929				
6,000.00	5,808.45	5,921.68	5,476.59	30.97	44.04	15.37	-298.67	-2,056.00	795.26	745.42	49.84	15.957				
6,100.00	5,904.43	6,020.45	5,565.97	31.55	44.91	15.31	-305.69	-2,097.43	810.88	760.15	50.73	15.985				
6,200.00	6,000.96	6,118.88	5,655.05	32.11	45.78	15.31	-312.69	-2,138.71	828.46	776.87	51.60	16.057				
6,300.00	6,098.34	6,216.64	5,743.52	32.62	46.64	15.26	-319.64	-2,179.71	849.35	796.92	52.43	16.199				
6,400.00	6,196.46	6,337.24	5,853.12	33.08	47.67	15.14	-328.05	-2,229.32	872.79	819.32	53.47	16.323				
6,500.00	6,295.19	6,477.03	5,982.54	33.50	48.75	14.97	-336.88	-2,281.40	895.30	840.72	54.58	16.404				
6,600.00	6,394.41	6,618.85	6,116.30	33.87	49.72	14.81	-344.75	-2,327.80	916.40	860.84	55.56	16.495				
6,700.00	6,494.01	6,762.62	6,254.11	34.21	50.54	14.65	-351.58	-2,368.13	936.01	879.63	56.38	16.602				
6,800.00	6,593.86	6,908.24	6,395.62	34.51	51.27	14.49	-357.32	-2,401.97	954.07	897.01	57.06	16.721				
6,900.00	6,693.83	7,055.62	6,540.41	34.77	51.86	14.33	-361.89	-2,428.96	970.50	912.95	57.56	16.862				
7,000.00	6,793.83	7,204.91	6,688.32	35.01	52.36	-89.89	-365.25	-2,448.78	983.77	925.87	57.90	16.991				
7,100.00	6,893.83	7,355.91	6,838.80	35.25	52.76	-90.01	-367.34	-2,461.07	991.92	933.82	58.09	17.075				
7,200.00	6,993.83	7,507.82	6,990.62	35.49	53.07	-90.05	-368.09	-2,465.53	994.85	936.71	58.14	17.111				
7,300.00	7,093.83	7,611.03	7,093.83	35.73	53.24	-90.05	-368.09	-2,465.54	994.86	936.20	58.66	16.960				
7,400.00	7,193.83	7,711.09	7,193.89	35.98	53.40	-90.26	-368.02	-2,465.54	994.86	935.65	59.22	16.801				
7,500.00	7,293.40	7,811.72	7,294.08	36.21	53.56	-90.25	-369.55	-2,465.51	994.86	935.13	59.73	16.655				
7,600.00	7,390.83	7,912.33	7,392.07	36.41	53.70	-90.25	-377.14	-2,465.43	994.86	934.68	60.19	16.529				
7,700.00	7,484.24	8,012.91	7,485.95	36.58	53.81	-90.23	-381.24	-2,465.31	994.86	934.28	60.58	16.422				
7,800.00	7,571.80	8,113.46	7,573.84	36.72	53.89	-90.22	-385.58	-2,465.14	994.86	933.94	60.92	16.331				
7,900.00	7,651.80	8,213.96	7,654.01	36.81	53.93	-90.19	-389.12	-2,464.92	994.86	933.64	61.22	16.251				
8,000.00	7,722.70	8,314.40	7,724.91	36.86	53.95	-90.17	-392.09	-2,464.67	994.86	933.36	61.50	16.176				
8,100.00	7,783.11	8,414.78	7,785.15	36.88	53.93	-90.14	-394.90	-2,464.39	994.86	933.06	61.80	16.099				
8,200.00	7,831.85	8,515.08	7,833.56	36.87	53.90	-90.11	46.85	-2,464.08	994.86	932.73	62.13	16.013				
8,216.22	7,838.59	8,531.34	7,840.23	36.86	53.89	-90.10	61.68	-2,464.03	994.86	932.67	62.19	15.998				
8,300.00	7,867.98	8,615.30	7,869.23	36.85	53.85	-90.08	140.42	-2,463.75	994.86	932.34	62.51	15.914				
8,400.00	7,890.79	8,715.44	7,891.48	36.83	53.80	-90.04	237.97	-2,463.41	994.86	931.88	62.98	15.797				
8,500.00	7,899.84	8,815.49	7,899.92	36.82	53.76	-90.00	337.58	-2,463.06	994.86	931.34	63.52	15.661				
8,600.00	7,900.00	8,915.49	7,900.00	36.85	53.74	-90.00	437.58	-2,462.71	994.86	930.69	64.17	15.503				
8,700.00	7,900.00	9,015.49	7,900.00	36.94	53.74	-90.00	537.58	-2,462.35	994.86	929.90	64.96	15.315				
8,800.00	7,900.00	9,115.49	7,900.00	37.08	53.77	-90.00	637.58	-2,462.00	994.86	928.97	65.89	15.098				
8,900.00	7,900.00	9,215.49	7,900.00	37.29	53.83	-90.00	737.58	-2,461.65	994.87	927.90	66.96	14.857				
9,000.00	7,900.00	9,315.49	7,900.00	37.59	53.91	-90.00	837.58	-2,461.30	994.87	926.71	68.16	14.596				
9,100.00	7,900.00	9,415.49	7,900.00	37.97	54.03	-90.00	937.58	-2,460.94	994.87	925.39	69.48	14.319				
9,200.00	7,900.00	9,515.49	7,900.00	38.44	54.18	-90.00	1,037.58	-2,460.59	994.87	923.95	70.92	14.028				
9,300.00	7,900.00	9,615.49	7,900.00	39.00	54.36	-90.00	1,137.58	-2,460.24	994.87	922.41	72.46	13.729				
9,400.00	7,900.00	9,715.49	7,900.00	39.65	54.58	-90.00	1,237.58	-2,459.89	994.87	920.76	74.11	13.424				
9,500.00	7,900.00	9,815.49	7,900.00	40.38	54.83	-90.00	1,337.58	-2,459.54	994.87	919.01	75.86	13.115				
9,600.00	7,900.00	9,915.49	7,900.00	41.18	55.13	-90.00	1,437.58	-2,459.18	994.87	917.18	77.69	12.805				
9,700.00	7,900.00	10,015.49	7,900.00	42.04	55.48	-90.00	1,537.58	-2,458.83	994.87	915.27	79.61	12.497				
9,800.00	7,900.00	10,115.49	7,900.00	42.96	55.86	-90.00	1,637.58	-2,458.48	994.88	913.27	81.60	12.192				
9,900.00	7,900.00	10,215.49	7,900.00	43.93	56.30	-90.00	1,737.58	-2,458.13	994.88	911.21	83.67	11.891				
10,000.00	7,900.00	10,315.49	7,900.00	44.94	56.78	-90.00	1,837.58	-2,457.78	994.88	909.08	85.80	11.595				
10,100.00	7,900.00	10,415.49	7,900.00	45.99	57.32	-90.00	1,937.57	-2,457.42	994.88	906.88	88.00	11.306				

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4C-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Total Uncertainty Axis	Separation Factor
10,200.00	7,900.00	10,515.49	7,900.00	47.07	57.90	-90.00	2,037.57	-2,457.07	994.88	904.63		90.25	11.024
10,300.00	7,900.00	10,615.49	7,900.00	48.19	58.53	-90.00	2,137.57	-2,456.72	994.88	902.33		92.55	10.750
10,400.00	7,900.00	10,715.49	7,900.00	49.33	59.22	-90.00	2,237.57	-2,456.37	994.88	899.98		94.90	10.483
10,500.00	7,900.00	10,815.49	7,900.00	50.50	59.95	-90.00	2,337.57	-2,456.01	994.88	897.58		97.30	10.224
10,600.00	7,900.00	10,915.49	7,900.00	51.69	60.73	-90.00	2,437.57	-2,455.66	994.88	895.14		99.75	9.974
10,700.00	7,900.00	11,015.49	7,900.00	52.91	61.56	-90.00	2,537.57	-2,455.31	994.89	892.66		102.23	9.732
10,800.00	7,900.00	11,115.49	7,900.00	54.14	62.43	-90.00	2,637.57	-2,454.96	994.89	890.14		104.74	9.498
10,900.00	7,900.00	11,215.49	7,900.00	55.39	63.34	-90.00	2,737.57	-2,454.61	994.89	887.59		107.30	9.272
11,000.00	7,900.00	11,315.49	7,900.00	56.66	64.29	-90.00	2,837.57	-2,454.25	994.89	885.01		109.88	9.054
11,100.00	7,900.00	11,415.49	7,900.00	57.95	65.28	-90.00	2,937.57	-2,453.90	994.89	882.40		112.49	8.844
11,200.00	7,900.00	11,515.49	7,900.00	59.25	66.30	-90.00	3,037.57	-2,453.55	994.89	879.76		115.13	8.641
11,300.00	7,900.00	11,615.49	7,900.00	60.56	67.35	-90.00	3,137.57	-2,453.20	994.89	877.10		117.80	8.446
11,400.00	7,900.00	11,715.49	7,900.00	61.89	68.43	-90.00	3,237.57	-2,452.85	994.89	874.41		120.49	8.257
11,500.00	7,900.00	11,815.49	7,900.00	63.23	69.53	-90.00	3,337.57	-2,452.49	994.89	871.70		123.20	8.076
11,600.00	7,900.00	11,915.49	7,900.00	64.57	70.67	-90.00	3,437.57	-2,452.14	994.90	868.96		125.93	7.900
11,700.00	7,900.00	12,015.49	7,900.00	65.93	71.82	-90.00	3,537.56	-2,451.79	994.90	866.21		128.68	7.731
11,800.00	7,900.00	12,115.49	7,900.00	67.30	73.00	-90.00	3,637.56	-2,451.44	994.90	863.44		131.45	7.568
11,900.00	7,900.00	12,215.49	7,900.00	68.68	74.20	-90.00	3,737.56	-2,451.08	994.90	860.66		134.24	7.411
12,000.00	7,900.00	12,315.49	7,900.00	70.07	75.41	-90.00	3,837.56	-2,450.73	994.90	857.86		137.05	7.260
12,100.00	7,900.00	12,415.49	7,900.00	71.46	76.64	-90.00	3,937.56	-2,450.38	994.90	855.04		139.86	7.113
12,200.00	7,900.00	12,515.49	7,900.00	72.86	77.89	-90.00	4,037.56	-2,450.03	994.90	852.21		142.70	6.972
12,300.00	7,900.00	12,615.49	7,900.00	74.27	79.16	-90.00	4,137.56	-2,449.68	994.90	849.36		145.54	6.836
12,400.00	7,900.00	12,715.49	7,900.00	75.69	80.43	-90.00	4,237.56	-2,449.32	994.90	846.50		148.40	6.704
12,500.00	7,900.00	12,815.49	7,900.00	77.11	81.72	-90.00	4,337.56	-2,448.97	994.91	843.63		151.28	6.577
12,600.00	7,900.00	12,915.49	7,900.00	78.54	83.03	-90.00	4,437.56	-2,448.62	994.91	840.75		154.16	6.454
12,700.00	7,900.00	13,015.49	7,900.00	79.97	84.34	-90.00	4,537.56	-2,448.27	994.91	837.86		157.05	6.335
12,800.00	7,900.00	13,115.49	7,900.00	81.41	85.67	-90.00	4,637.56	-2,447.92	994.91	834.95		159.95	6.220
12,900.00	7,900.00	13,215.49	7,900.00	82.85	87.00	-90.00	4,737.56	-2,447.56	994.91	832.04		162.87	6.109
13,000.00	7,900.00	13,315.49	7,900.00	84.30	88.35	-90.00	4,837.56	-2,447.21	994.91	829.12		165.79	6.001
13,100.00	7,900.00	13,415.49	7,900.00	85.76	89.70	-90.00	4,937.56	-2,446.86	994.91	826.19		168.72	5.897
13,200.00	7,900.00	13,515.49	7,900.00	87.22	91.06	-90.00	5,037.56	-2,446.51	994.91	823.25		171.66	5.796
13,300.00	7,900.00	13,615.49	7,900.00	88.68	92.43	-90.00	5,137.56	-2,446.15	994.91	820.31		174.61	5.698
13,400.00	7,900.00	13,715.49	7,900.00	90.14	93.81	-90.00	5,237.55	-2,445.80	994.92	817.36		177.56	5.603
13,500.00	7,900.00	13,815.49	7,900.00	91.61	95.20	-90.00	5,337.55	-2,445.45	994.92	814.40		180.52	5.511
13,600.00	7,900.00	13,915.49	7,900.00	93.09	96.59	-90.00	5,437.55	-2,445.10	994.92	811.43		183.49	5.422
13,700.00	7,900.00	14,015.49	7,900.00	94.56	97.99	-90.00	5,537.55	-2,444.75	994.92	808.46		186.46	5.336
13,800.00	7,900.00	14,115.49	7,900.00	96.04	99.39	-90.00	5,637.55	-2,444.39	994.92	805.48		189.44	5.252
13,900.00	7,900.00	14,215.49	7,900.00	97.53	100.80	-90.00	5,737.55	-2,444.04	994.92	802.50		192.43	5.170
14,000.00	7,900.00	14,315.49	7,900.00	99.01	102.22	-90.00	5,837.55	-2,443.69	994.92	799.51		195.42	5.091
14,100.00	7,900.00	14,415.49	7,900.00	100.50	103.64	-90.00	5,937.55	-2,443.34	994.92	796.51		198.41	5.014
14,200.00	7,900.00	14,515.49	7,900.00	101.99	105.06	-90.00	6,037.55	-2,442.99	994.93	793.51		201.42	4.940
14,300.00	7,900.00	14,615.49	7,900.00	103.49	106.49	-90.00	6,137.55	-2,442.63	994.93	790.50		204.42	4.867
14,400.00	7,900.00	14,715.49	7,900.00	104.98	107.93	-90.00	6,237.55	-2,442.28	994.93	787.50		207.43	4.796
14,500.00	7,900.00	14,815.49	7,900.00	106.48	109.37	-90.00	6,337.55	-2,441.93	994.93	784.48		210.45	4.728
14,600.00	7,900.00	14,915.49	7,900.00	107.98	110.81	-90.00	6,437.55	-2,441.58	994.93	781.46		213.47	4.661
14,700.00	7,900.00	15,015.49	7,900.00	109.49	112.26	-90.00	6,537.55	-2,441.22	994.93	778.44		216.49	4.596
14,800.00	7,900.00	15,115.49	7,900.00	110.99	113.71	-90.00	6,637.55	-2,440.87	994.93	775.42		219.52	4.532
14,900.00	7,900.00	15,215.49	7,900.00	112.50	115.16	-90.00	6,737.55	-2,440.52	994.93	772.39		222.55	4.471
15,000.00	7,900.00	15,315.49	7,900.00	114.01	116.62	-90.00	6,837.54	-2,440.17	994.93	769.35		225.58	4.411
15,100.00	7,900.00	15,415.49	7,900.00	115.52	118.08	-90.00	6,937.54	-2,439.82	994.94	766.32		228.62	4.352
15,200.00	7,900.00	15,515.49	7,900.00	117.04	119.54	-90.00	7,037.54	-2,439.46	994.94	763.28		231.66	4.295
15,300.00	7,900.00	15,615.49	7,900.00	118.55	121.01	-90.00	7,137.54	-2,439.11	994.94	760.23		234.70	4.239

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4C-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Total Uncertainty Axis	Separation Factor
15,400.00	7,900.00	15,715.49	7,900.00	120.07	122.48	-90.00	7,237.54	-2,438.76	994.94	757.19		237.75	4.185
15,500.00	7,900.00	15,815.49	7,900.00	121.59	123.96	-90.00	7,337.54	-2,438.41	994.94	754.14		240.80	4.132
15,600.00	7,900.00	15,915.49	7,900.00	123.11	125.43	-90.00	7,437.54	-2,438.06	994.94	751.09		243.85	4.080
15,700.00	7,900.00	16,015.49	7,900.00	124.63	126.91	-90.00	7,537.54	-2,437.70	994.94	748.03		246.91	4.030
15,800.00	7,900.00	16,115.49	7,900.00	126.15	128.39	-90.00	7,637.54	-2,437.35	994.94	744.97		249.97	3.980
15,900.00	7,900.00	16,215.49	7,900.00	127.67	129.87	-90.00	7,737.54	-2,437.00	994.94	741.92		253.03	3.932
16,000.00	7,900.00	16,315.49	7,900.00	129.20	131.36	-90.00	7,837.54	-2,436.65	994.95	738.85		256.09	3.885
16,100.00	7,900.00	16,415.49	7,900.00	130.73	132.85	-90.00	7,937.54	-2,436.29	994.95	735.79		259.16	3.839
16,200.00	7,900.00	16,515.49	7,900.00	132.25	134.34	-90.00	8,037.54	-2,435.94	994.95	732.72		262.23	3.794
16,300.00	7,900.00	16,615.49	7,900.00	133.78	135.83	-90.00	8,137.54	-2,435.59	994.95	729.65		265.29	3.750
16,400.00	7,900.00	16,715.49	7,900.00	135.31	137.32	-90.00	8,237.54	-2,435.24	994.95	726.58		268.37	3.707
16,500.00	7,900.00	16,815.49	7,900.00	136.84	138.82	-90.00	8,337.54	-2,434.89	994.95	723.51		271.44	3.665
16,600.00	7,900.00	16,915.49	7,900.00	138.38	140.32	-90.00	8,437.53	-2,434.53	994.95	720.44		274.52	3.624
16,700.00	7,900.00	17,015.49	7,900.00	139.91	141.82	-90.00	8,537.53	-2,434.18	994.95	717.36		277.59	3.584
16,800.00	7,900.00	17,115.49	7,900.00	141.44	143.32	-90.00	8,637.53	-2,433.83	994.95	714.28		280.67	3.545
16,900.00	7,900.00	17,215.49	7,900.00	142.98	144.82	-90.00	8,737.53	-2,433.48	994.96	711.20		283.76	3.506
17,000.00	7,900.00	17,315.49	7,900.00	144.52	146.33	-90.00	8,837.53	-2,433.13	994.96	708.12		286.84	3.469
17,100.00	7,900.00	17,415.49	7,900.00	146.05	147.84	-90.00	8,937.53	-2,432.77	994.96	705.03		289.92	3.432
17,200.00	7,900.00	17,515.49	7,900.00	147.59	149.34	-90.00	9,037.53	-2,432.42	994.96	701.95		293.01	3.396
17,300.00	7,900.00	17,615.49	7,900.00	149.13	150.85	-90.00	9,137.53	-2,432.07	994.96	698.86		296.10	3.360
17,400.00	7,900.00	17,715.49	7,900.00	150.67	152.37	-90.00	9,237.53	-2,431.72	994.96	695.77		299.19	3.326
17,500.00	7,900.00	17,815.49	7,900.00	152.21	153.88	-90.00	9,337.53	-2,431.36	994.96	692.68		302.28	3.292
17,600.00	7,900.00	17,915.49	7,900.00	153.75	155.39	-90.00	9,437.53	-2,431.01	994.96	689.59		305.37	3.258
17,700.00	7,900.00	18,015.49	7,900.00	155.29	156.91	-90.00	9,537.53	-2,430.66	994.96	686.50		308.46	3.226
17,800.00	7,900.00	18,115.49	7,900.00	156.84	158.42	-90.00	9,637.53	-2,430.31	994.97	683.41		311.56	3.194
17,900.00	7,900.00	18,215.49	7,900.00	158.38	159.94	-90.00	9,737.53	-2,429.96	994.97	680.31		314.66	3.162
17,930.78	7,900.00	18,222.81	7,900.00	158.86	160.05	-90.00	9,744.84	-2,429.93	995.24	679.04		316.21	3.147 SF

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4D-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.07	0.00	40.07					
100.00	100.00	100.00	100.00	0.14	0.14	0.00	40.07	0.00	40.07	39.79	0.28	145.154		
200.00	200.00	200.00	200.00	0.50	0.50	0.00	40.07	0.00	40.07	39.07	0.99	40.350		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	40.07	0.00	40.07	38.36	1.71	23.432		
400.00	400.00	400.00	400.00	1.21	1.21	0.00	40.07	0.00	40.07	37.64	2.43	16.509		
500.00	500.00	500.00	500.00	1.57	1.57	0.00	40.07	0.00	40.07	36.92	3.14	12.744		
600.00	600.00	600.22	600.20	1.93	1.92	-2.48	39.74	-1.72	39.78	35.93	3.85	10.327		
700.00	700.00	700.19	700.03	2.29	2.27	-10.05	38.78	-6.87	39.38	34.83	4.56	8.643		
704.62	704.62	704.79	704.62	2.30	2.28	93.50	38.72	-7.19	39.38	34.79	4.59	8.581 CC		
800.00	799.98	799.84	799.29	2.64	2.62	83.95	37.18	-15.41	40.04	34.78	5.26	7.611 ES		
900.00	899.84	899.24	897.95	2.98	2.99	74.62	34.96	-27.30	42.05	36.08	5.97	7.049		
1,000.00	999.45	998.41	995.90	3.33	3.37	66.48	32.11	-42.51	45.24	38.56	6.68	6.769		
1,100.00	1,098.70	1,097.34	1,093.02	3.70	3.78	59.67	28.66	-60.99	49.38	41.96	7.41	6.660		
1,200.00	1,197.47	1,196.03	1,189.21	4.08	4.21	54.14	24.59	-82.70	54.23	46.08	8.16	6.649		
1,300.00	1,295.62	1,294.49	1,284.35	4.47	4.68	49.71	19.94	-107.60	59.62	50.71	8.91	6.690		
1,400.00	1,393.06	1,392.73	1,378.35	4.90	5.18	46.18	14.70	-135.62	65.41	55.72	9.69	6.752		
1,500.00	1,489.64	1,490.73	1,471.10	5.36	5.73	43.37	8.88	-166.72	71.48	60.99	10.48	6.819		
1,600.00	1,585.63	1,588.41	1,562.41	5.85	6.33	40.64	2.50	-200.80	78.69	67.40	11.29	6.973		
1,700.00	1,681.60	1,685.46	1,651.91	6.35	6.98	37.18	-4.39	-237.67	88.81	76.76	12.05	7.368		
1,800.00	1,777.57	1,783.55	1,741.33	6.87	7.69	33.61	-11.81	-277.32	101.50	88.66	12.84	7.905		
1,900.00	1,873.55	1,882.53	1,831.47	7.40	8.44	30.77	-19.33	-317.51	114.68	101.02	13.66	8.395		
2,000.00	1,969.52	1,981.52	1,921.61	7.94	9.20	28.52	-26.85	-357.71	128.08	113.59	14.49	8.842		
2,100.00	2,065.49	2,080.50	2,011.76	8.48	9.97	26.69	-34.37	-397.91	141.64	126.32	15.32	9.247		
2,200.00	2,161.47	2,179.49	2,101.90	9.03	10.76	25.19	-41.89	-438.10	155.32	139.16	16.15	9.615		
2,300.00	2,257.44	2,278.47	2,192.04	9.58	11.55	23.92	-49.41	-478.30	169.08	152.09	17.00	9.949		
2,400.00	2,353.41	2,377.46	2,282.18	10.14	12.35	22.85	-56.93	-518.50	182.92	165.08	17.84	10.253		
2,500.00	2,449.39	2,476.44	2,372.33	10.70	13.15	21.93	-64.45	-558.69	196.80	178.12	18.69	10.531		
2,600.00	2,545.36	2,575.43	2,462.47	11.27	13.96	21.13	-71.97	-598.89	210.74	191.20	19.54	10.785		
2,700.00	2,641.33	2,674.41	2,552.61	11.83	14.78	20.43	-79.49	-639.09	224.70	204.31	20.39	11.019		
2,800.00	2,737.31	2,773.40	2,642.75	12.40	15.59	19.81	-87.01	-679.28	238.70	217.45	21.25	11.234		
2,900.00	2,833.28	2,872.38	2,732.90	12.97	16.41	19.26	-94.53	-719.48	252.72	230.61	22.11	11.432		
3,000.00	2,929.25	2,971.37	2,823.04	13.54	17.23	18.77	-102.05	-759.68	266.76	243.79	22.97	11.615		
3,100.00	3,025.23	3,070.35	2,913.18	14.11	18.06	18.33	-109.57	-799.87	280.81	256.99	23.83	11.785		
3,200.00	3,121.20	3,169.34	3,003.32	14.69	18.88	17.93	-117.08	-840.07	294.89	270.20	24.69	11.943		
3,300.00	3,217.17	3,268.32	3,093.47	15.26	19.71	17.56	-124.60	-880.27	308.97	283.42	25.55	12.090		
3,400.00	3,313.15	3,367.31	3,183.61	15.84	20.54	17.23	-132.12	-920.46	323.07	296.65	26.42	12.228		
3,500.00	3,409.12	3,466.29	3,273.75	16.42	21.36	16.93	-139.64	-960.66	337.17	309.89	27.29	12.357		
3,600.00	3,505.09	3,565.28	3,363.89	16.99	22.19	16.65	-147.16	-1,000.86	351.29	323.13	28.15	12.477		
3,700.00	3,601.07	3,664.26	3,454.04	17.57	23.02	16.39	-154.68	-1,041.05	365.41	336.39	29.02	12.591		
3,800.00	3,697.04	3,763.25	3,544.18	18.15	23.86	16.15	-162.20	-1,081.25	379.54	349.65	29.89	12.697		
3,900.00	3,793.01	3,862.23	3,634.32	18.73	24.69	15.93	-169.72	-1,121.45	393.67	362.91	30.76	12.797		
4,000.00	3,888.99	3,961.22	3,724.47	19.31	25.52	15.72	-177.24	-1,161.64	407.82	376.18	31.63	12.892		
4,100.00	3,984.96	4,060.20	3,814.61	19.89	26.36	15.53	-184.76	-1,201.84	421.96	389.46	32.50	12.982		
4,200.00	4,080.93	4,159.19	3,904.75	20.47	27.19	15.35	-192.28	-1,242.04	436.11	402.73	33.38	13.067		
4,300.00	4,176.91	4,258.17	3,994.89	21.05	28.02	15.18	-199.80	-1,282.23	450.26	416.02	34.25	13.147		
4,400.00	4,272.88	4,357.16	4,085.04	21.63	28.86	15.02	-207.32	-1,322.43	464.42	429.30	35.12	13.223		
4,500.00	4,368.85	4,456.14	4,175.18	22.21	29.69	14.87	-214.84	-1,362.63	478.58	442.59	35.99	13.296		
4,600.00	4,464.83	4,555.12	4,265.32	22.80	30.53	14.73	-222.36	-1,402.82	492.74	455.88	36.87	13.365		
4,700.00	4,560.80	4,654.11	4,355.46	23.38	31.37	14.60	-229.88	-1,443.02	506.91	469.17	37.74	13.431		
4,800.00	4,656.77	4,753.09	4,445.61	23.96	32.20	14.47	-237.40	-1,483.22	521.08	482.46	38.62	13.493		
4,900.00	4,752.75	4,852.08	4,535.75	24.54	33.04	14.35	-244.92	-1,523.42	535.25	495.76	39.49	13.553		
5,000.00	4,848.72	4,951.06	4,625.89	25.13	33.88	14.24	-252.44	-1,563.61	549.42	509.06	40.37	13.610		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4D-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
5,100.00	4,944.69	5,050.05	4,716.03	25.71	34.72	14.13	-259.96	-1,603.81	563.60	522.35	41.24	13.665		
5,200.00	5,040.67	5,149.03	4,806.18	26.29	35.55	14.03	-267.48	-1,644.01	577.78	535.66	42.12	13.717		
5,300.00	5,136.64	5,248.02	4,896.32	26.88	36.39	13.94	-275.00	-1,684.20	591.95	548.96	43.00	13.768		
5,400.00	5,232.61	5,347.00	4,986.46	27.46	37.23	13.84	-282.52	-1,724.40	606.13	562.26	43.87	13.816		
5,500.00	5,328.59	5,445.99	5,076.60	28.05	38.07	13.75	-290.03	-1,764.60	620.32	575.57	44.75	13.862		
5,600.00	5,424.56	5,544.97	5,166.75	28.63	38.91	13.67	-297.55	-1,804.79	634.50	588.87	45.63	13.906		
5,700.00	5,520.53	5,643.96	5,256.89	29.21	39.74	13.59	-305.07	-1,844.99	648.68	602.18	46.50	13.949		
5,800.00	5,616.51	5,742.94	5,347.03	29.80	40.58	13.51	-312.59	-1,885.19	662.87	615.49	47.38	13.990		
5,900.00	5,712.48	5,841.93	5,437.17	30.38	41.42	13.44	-320.11	-1,925.38	677.06	628.80	48.26	14.029		
6,000.00	5,808.45	5,968.51	5,553.40	30.97	42.44	13.38	-329.33	-1,974.66	689.47	640.05	49.42	13.951		
6,100.00	5,904.43	6,099.38	5,675.76	31.55	43.39	13.42	-337.86	-2,020.26	697.47	646.93	50.54	13.800		
6,200.00	6,000.96	6,230.86	5,800.69	32.11	44.22	13.50	-345.39	-2,060.50	702.97	651.42	51.55	13.638		
6,300.00	6,098.34	6,362.70	5,927.72	32.62	44.95	13.59	-351.87	-2,095.15	707.34	654.92	52.43	13.492		
6,400.00	6,196.46	6,494.82	6,056.51	33.08	45.59	13.67	-357.28	-2,124.07	710.58	657.40	53.18	13.362		
6,500.00	6,295.19	6,627.14	6,186.71	33.50	46.12	13.74	-361.60	-2,147.15	712.67	658.87	53.80	13.247		
6,600.00	6,394.41	6,759.56	6,317.97	33.87	46.56	13.80	-364.81	-2,164.32	713.60	659.32	54.28	13.146		
6,700.00	6,494.01	6,892.00	6,449.91	34.21	46.93	13.86	-366.90	-2,175.50	713.38	658.74	54.64	13.057		
6,800.00	6,593.86	7,024.38	6,582.17	34.51	47.22	13.92	-367.87	-2,180.68	712.00	657.15	54.86	12.980		
6,900.00	6,693.83	7,136.05	6,693.83	34.77	47.43	13.95	-367.94	-2,181.07	710.40	655.13	55.27	12.854		
6,976.03	6,769.86	7,212.08	6,769.86	34.95	47.56	13.95	-367.94	-2,181.07	710.30	654.61	55.69	12.754		
7,000.00	6,793.83	7,236.05	6,793.83	35.01	47.60	-90.06	-367.94	-2,181.07	710.39	654.57	55.82	12.726		
7,100.00	6,893.83	7,336.05	6,893.83	35.25	47.78	-90.06	-367.94	-2,181.07	710.39	654.00	56.39	12.599		
7,200.00	6,993.83	7,436.05	6,993.83	35.49	47.96	-90.06	-367.94	-2,181.07	710.39	653.44	56.95	12.474		
7,300.00	7,093.83	7,536.51	7,094.28	35.73	48.14	-90.01	-367.30	-2,181.06	710.38	652.86	57.52	12.350		
7,400.00	7,193.83	7,636.66	7,193.72	35.98	48.31	-89.31	-366.06	-2,180.90	710.30	651.99	58.31	12.181		
7,400.56	7,194.39	7,637.22	7,194.27	35.98	48.31	-89.31	-355.96	-2,180.89	710.30	651.98	58.32	12.180		
7,500.00	7,293.40	7,734.06	7,288.01	36.21	48.45	-88.00	-331.95	-2,180.54	710.42	651.18	59.24	11.993		
7,600.00	7,390.83	7,829.39	7,376.30	36.41	48.56	-86.74	-296.18	-2,180.02	710.74	650.64	60.10	11.825		
7,700.00	7,484.24	7,922.85	7,457.50	36.58	48.63	-85.54	-250.04	-2,179.34	711.23	650.36	60.87	11.684		
7,800.00	7,571.80	8,014.66	7,530.75	36.72	48.67	-84.44	-194.81	-2,178.53	711.82	650.31	61.51	11.573		
7,900.00	7,651.80	8,105.02	7,595.37	36.81	48.69	-83.44	-131.75	-2,177.61	712.43	650.42	62.01	11.488		
8,000.00	7,722.70	8,194.13	7,650.83	36.86	48.68	-82.56	-62.07	-2,176.59	712.99	650.59	62.41	11.425		
8,100.00	7,783.11	8,282.20	7,696.72	36.88	48.65	-81.81	13.02	-2,175.48	713.42	650.70	62.73	11.373		
8,200.00	7,831.85	8,369.42	7,732.75	36.87	48.61	-81.20	92.38	-2,174.32	713.66	650.62	63.03	11.322		
8,300.00	7,867.98	8,455.96	7,758.71	36.85	48.56	-80.75	174.88	-2,173.11	713.63	650.25	63.38	11.260		
8,400.00	7,890.79	8,542.02	7,774.48	36.83	48.51	-80.45	259.42	-2,171.87	713.30	649.50	63.80	11.180		
8,500.00	7,899.84	8,634.81	7,780.00	36.82	48.47	-80.31	344.38	-2,170.63	712.65	648.29	64.36	11.073		
8,600.00	7,900.00	8,727.22	7,780.00	36.85	48.44	-80.29	444.36	-2,169.16	711.58	646.51	65.07	10.936		
8,700.00	7,900.00	8,827.21	7,780.00	36.94	48.44	-80.28	544.35	-2,167.69	710.48	644.54	65.94	10.775		
8,800.00	7,900.00	8,927.20	7,780.00	37.08	48.47	-80.26	644.33	-2,166.23	709.38	642.44	66.94	10.597		
8,900.00	7,900.00	9,027.20	7,780.00	37.29	48.53	-80.25	744.31	-2,164.76	708.29	640.22	68.07	10.405		
9,000.00	7,900.00	9,127.19	7,780.00	37.59	48.62	-80.23	844.30	-2,163.30	707.19	637.87	69.32	10.201		
9,100.00	7,900.00	9,227.19	7,780.00	37.97	48.74	-80.21	944.28	-2,161.83	706.09	635.40	70.69	9.988		
9,200.00	7,900.00	9,327.18	7,780.00	38.44	48.91	-80.20	1,044.26	-2,160.36	705.00	632.83	72.17	9.769		
9,300.00	7,900.00	9,427.17	7,780.00	39.00	49.11	-80.18	1,144.25	-2,158.90	703.90	630.15	73.75	9.545		
9,400.00	7,900.00	9,527.17	7,780.00	39.65	49.36	-80.17	1,244.23	-2,157.43	702.80	627.38	75.42	9.318		
9,500.00	7,900.00	9,627.16	7,780.00	40.38	49.66	-80.15	1,344.21	-2,155.97	701.71	624.52	77.19	9.091		
9,600.00	7,900.00	9,727.16	7,780.00	41.18	50.01	-80.14	1,444.19	-2,154.50	700.61	621.57	79.04	8.864		
9,700.00	7,900.00	9,827.15	7,780.00	42.04	50.42	-80.12	1,544.18	-2,153.03	699.51	618.55	80.96	8.640		
9,800.00	7,900.00	9,927.14	7,780.00	42.96	50.88	-80.11	1,644.16	-2,151.57	698.42	615.46	82.96	8.419		
9,900.00	7,900.00	10,027.14	7,780.00	43.93	51.40	-80.09	1,744.14	-2,150.10	697.32	612.29	85.03	8.201		
10,000.00	7,900.00	10,127.13	7,780.00	44.94	51.98	-80.07	1,844.13	-2,148.64	696.22	609.07	87.15	7.988		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4D-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
10,100.00	7,900.00	10,227.12	7,780.00	45.99	52.62	-80.06	1,944.11	-2,147.17	695.13	605.79	89.34	7.781		
10,200.00	7,900.00	10,327.12	7,780.00	47.07	53.32	-80.04	2,044.09	-2,145.70	694.03	602.45	91.58	7.578		
10,300.00	7,900.00	10,427.11	7,780.00	48.19	54.07	-80.03	2,144.08	-2,144.24	692.94	599.07	93.87	7.382		
10,400.00	7,900.00	10,527.11	7,780.00	49.33	54.88	-80.01	2,244.06	-2,142.77	691.84	595.63	96.21	7.191		
10,500.00	7,900.00	10,627.10	7,780.00	50.50	55.74	-79.99	2,344.04	-2,141.31	690.74	592.16	98.59	7.006		
10,600.00	7,900.00	10,727.09	7,780.00	51.69	56.64	-79.98	2,444.03	-2,139.84	689.65	588.64	101.01	6.828		
10,700.00	7,900.00	10,827.09	7,780.00	52.91	57.59	-79.96	2,544.01	-2,138.37	688.55	585.09	103.46	6.655		
10,800.00	7,900.00	10,927.08	7,780.00	54.14	58.58	-79.95	2,643.99	-2,136.91	687.46	581.50	105.95	6.488		
10,900.00	7,900.00	11,027.07	7,780.00	55.39	59.61	-79.93	2,743.97	-2,135.44	686.36	577.89	108.48	6.327		
11,000.00	7,900.00	11,127.07	7,780.00	56.66	60.67	-79.91	2,843.96	-2,133.98	685.27	574.24	111.03	6.172		
11,100.00	7,900.00	11,227.06	7,780.00	57.95	61.76	-79.90	2,943.94	-2,132.51	684.17	570.56	113.61	6.022		
11,200.00	7,900.00	11,327.06	7,780.00	59.25	62.88	-79.88	3,043.92	-2,131.04	683.07	566.86	116.22	5.878		
11,300.00	7,900.00	11,421.57	7,780.00	60.56	63.96	-79.87	3,138.43	-2,129.75	682.09	563.07	119.02	5.731		
11,310.51	7,900.00	11,430.09	7,780.00	60.70	64.06	-79.87	3,146.95	-2,129.71	682.08	562.71	119.36	5.714		
11,400.00	7,900.00	11,509.46	7,780.00	61.89	65.01	-79.88	3,226.32	-2,130.30	683.01	560.95	122.06	5.596		
11,500.00	7,900.00	11,609.45	7,780.00	63.23	66.24	-79.90	3,326.30	-2,131.45	684.49	559.74	124.75	5.487		
11,600.00	7,900.00	11,709.44	7,780.00	64.57	67.48	-79.92	3,426.28	-2,132.60	685.97	558.51	127.47	5.382		
11,700.00	7,900.00	11,809.43	7,780.00	65.93	68.74	-79.95	3,526.27	-2,133.75	687.46	557.26	130.20	5.280		
11,800.00	7,900.00	11,909.42	7,780.00	67.30	70.02	-79.97	3,626.25	-2,134.91	688.94	555.99	132.95	5.182		
11,900.00	7,900.00	12,009.41	7,780.00	68.68	71.31	-79.99	3,726.23	-2,136.06	690.42	554.71	135.71	5.087		
12,000.00	7,900.00	12,109.40	7,780.00	70.07	72.62	-80.01	3,826.21	-2,137.21	691.90	553.41	138.50	4.996		
12,100.00	7,900.00	12,209.39	7,780.00	71.46	73.94	-80.03	3,926.19	-2,138.36	693.38	552.09	141.29	4.907		
12,200.00	7,900.00	12,309.37	7,780.00	72.86	75.27	-80.05	4,026.18	-2,139.51	694.87	550.76	144.11	4.822		
12,300.00	7,900.00	12,409.36	7,780.00	74.27	76.61	-80.08	4,126.16	-2,140.66	696.35	549.42	146.93	4.739		
12,400.00	7,900.00	12,509.35	7,780.00	75.69	77.97	-80.10	4,226.14	-2,141.82	697.83	548.06	149.77	4.659		
12,500.00	7,900.00	12,609.34	7,780.00	77.11	79.33	-80.12	4,326.12	-2,142.97	699.31	546.70	152.62	4.582		
12,600.00	7,900.00	12,709.33	7,780.00	78.54	80.70	-80.14	4,426.10	-2,144.12	700.80	545.32	155.48	4.507		
12,700.00	7,900.00	12,809.32	7,780.00	79.97	82.09	-80.16	4,526.09	-2,145.27	702.28	543.93	158.35	4.435		
12,800.00	7,900.00	12,909.31	7,780.00	81.41	83.47	-80.18	4,626.07	-2,146.42	703.76	542.53	161.23	4.365		
12,900.00	7,900.00	13,009.29	7,780.00	82.85	84.87	-80.20	4,726.05	-2,147.57	705.24	541.12	164.12	4.297		
13,000.00	7,900.00	13,109.28	7,780.00	84.30	86.28	-80.22	4,826.03	-2,148.72	706.73	539.70	167.02	4.231		
13,100.00	7,900.00	13,209.27	7,780.00	85.76	87.69	-80.24	4,926.01	-2,149.88	708.21	538.28	169.93	4.168		
13,200.00	7,900.00	13,309.26	7,780.00	87.22	89.11	-80.26	5,026.00	-2,151.03	709.69	536.84	172.85	4.106		
13,300.00	7,900.00	13,409.25	7,780.00	88.68	90.53	-80.28	5,125.98	-2,152.18	711.18	535.40	175.78	4.046		
13,400.00	7,900.00	13,509.24	7,780.00	90.14	91.96	-80.31	5,225.96	-2,153.33	712.66	533.95	178.71	3.988		
13,500.00	7,900.00	13,517.27	7,780.00	91.61	92.08	-80.31	5,234.00	-2,153.42	720.04	536.51	183.53	3.923 SF		
13,600.00	7,900.00	13,517.27	7,780.00	93.09	92.08	-80.31	5,234.00	-2,153.42	740.92	555.23	185.69	3.990		
13,700.00	7,900.00	13,517.27	7,780.00	94.56	92.08	-80.31	5,234.00	-2,153.42	774.25	589.02	185.24	4.180		
13,800.00	7,900.00	13,517.27	7,780.00	96.04	92.08	-80.31	5,234.00	-2,153.42	818.52	635.73	182.79	4.478		
13,900.00	7,900.00	13,517.27	7,780.00	97.53	92.08	-80.31	5,234.00	-2,153.42	872.06	693.02	179.04	4.871		
14,000.00	7,900.00	13,517.27	7,780.00	99.01	92.08	-80.31	5,234.00	-2,153.42	933.27	758.70	174.57	5.346		
14,100.00	7,900.00	13,517.27	7,780.00	100.50	92.08	-80.31	5,234.00	-2,153.42	1,000.75	830.91	169.84	5.892		
14,200.00	7,900.00	13,517.27	7,780.00	101.99	92.08	-80.31	5,234.00	-2,153.42	1,073.32	908.20	165.12	6.500		
14,300.00	7,900.00	13,517.27	7,780.00	103.49	92.08	-80.31	5,234.00	-2,153.42	1,150.01	989.41	160.59	7.161		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4E-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.87	0.00	29.87					
100.00	100.00	100.00	100.00	0.14	0.14	0.00	29.87	0.00	29.87	29.59	0.28	108.217		
200.00	200.00	200.00	200.00	0.50	0.50	0.00	29.87	0.00	29.87	28.88	0.99	30.082		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	29.87	0.00	29.87	28.16	1.71	17.469		
400.00	400.00	400.00	400.00	1.21	1.21	0.00	29.87	0.00	29.87	27.44	2.43	12.308		
500.00	500.00	500.00	500.00	1.57	1.57	0.00	29.87	0.00	29.87	26.73	3.14	9.501		
600.00	600.00	600.00	600.00	1.93	1.93	0.00	29.87	0.00	29.87	26.01	3.86	7.737		
700.00	700.00	700.19	700.17	2.29	2.28	-3.31	29.48	-1.71	29.53	24.96	4.57	6.463		
800.00	799.98	800.25	800.08	2.64	2.62	93.91	28.30	-6.82	29.17	23.91	5.26	5.544		
823.82	823.78	824.06	823.83	2.72	2.71	92.27	27.90	-8.53	29.16	23.73	5.43	5.372 CC		
900.00	899.84	900.17	899.63	2.98	2.98	87.05	26.34	-15.31	29.30	23.34	5.96	4.917		
1,000.00	999.45	999.98	998.68	3.33	3.34	80.38	23.60	-27.16	29.90	23.22	6.67	4.480 ES		
1,100.00	1,098.70	1,099.67	1,097.14	3.70	3.73	74.09	20.09	-42.35	30.94	23.53	7.41	4.175		
1,200.00	1,197.47	1,199.23	1,194.87	4.08	4.13	68.34	15.82	-60.84	32.38	24.21	8.17	3.964		
1,300.00	1,295.62	1,298.68	1,291.77	4.47	4.56	63.20	10.80	-82.60	34.16	25.21	8.95	3.816		
1,400.00	1,393.06	1,398.01	1,387.73	4.90	5.02	58.67	5.03	-107.60	36.23	26.47	9.76	3.712		
1,500.00	1,489.64	1,497.22	1,482.62	5.36	5.52	54.74	-1.48	-135.78	38.53	27.94	10.59	3.637		
1,600.00	1,585.63	1,596.25	1,576.29	5.85	6.06	50.07	-8.71	-167.09	41.81	30.38	11.42	3.659		
1,700.00	1,681.60	1,694.85	1,668.39	6.35	6.66	43.25	-16.62	-201.38	47.78	35.61	12.17	3.926		
1,800.00	1,777.57	1,793.49	1,759.39	6.87	7.31	36.13	-25.18	-238.46	56.80	43.93	12.86	4.416		
1,900.00	1,873.55	1,907.19	1,850.82	7.40	8.09	30.73	-33.91	-276.27	66.92	53.25	13.66	4.897		
2,000.00	1,969.52	2,007.87	1,942.24	7.94	8.81	26.78	-42.64	-314.08	77.47	63.05	14.42	5.373		
2,100.00	2,065.49	2,108.56	2,033.66	8.48	9.53	23.78	-51.37	-351.89	88.30	73.11	15.19	5.813		
2,200.00	2,161.47	2,209.24	2,125.09	9.03	10.27	21.44	-60.10	-389.71	99.32	83.34	15.98	6.217		
2,300.00	2,257.44	2,309.92	2,216.51	9.58	11.02	19.57	-68.83	-427.52	110.47	93.70	16.77	6.586		
2,400.00	2,353.41	2,389.40	2,307.93	10.14	11.61	18.04	-77.56	-465.33	121.71	104.23	17.48	6.963		
2,500.00	2,449.39	2,488.72	2,399.36	10.70	12.36	16.77	-86.29	-503.14	133.03	114.74	18.29	7.275		
2,600.00	2,545.36	2,588.04	2,490.78	11.27	13.12	15.71	-95.02	-540.95	144.40	125.30	19.10	7.561		
2,700.00	2,641.33	2,687.35	2,582.20	11.83	13.88	14.79	-103.75	-578.77	155.81	135.89	19.92	7.824		
2,800.00	2,737.31	2,786.67	2,673.62	12.40	14.64	14.01	-112.48	-616.58	167.25	146.52	20.74	8.065		
2,900.00	2,833.28	2,885.99	2,765.05	12.97	15.40	13.32	-121.21	-654.39	178.73	157.16	21.56	8.289		
3,000.00	2,929.25	2,985.31	2,856.47	13.54	16.17	12.71	-129.94	-692.20	190.22	167.83	22.39	8.496		
3,100.00	3,025.23	3,084.63	2,947.89	14.11	16.94	12.18	-138.67	-730.02	201.74	178.51	23.22	8.687		
3,200.00	3,121.20	3,183.95	3,039.32	14.69	17.71	11.70	-147.40	-767.83	213.26	189.21	24.06	8.866		
3,300.00	3,217.17	3,283.26	3,130.74	15.26	18.48	11.27	-156.13	-805.64	224.81	199.92	24.89	9.032		
3,400.00	3,313.15	3,382.58	3,222.16	15.84	19.26	10.89	-164.86	-843.45	236.36	210.63	25.73	9.187		
3,500.00	3,409.12	3,481.90	3,313.59	16.42	20.04	10.54	-173.59	-881.26	247.92	221.36	26.57	9.332		
3,600.00	3,505.09	3,581.22	3,405.01	16.99	20.81	10.22	-182.31	-919.08	259.49	232.09	27.41	9.468		
3,700.00	3,601.07	3,680.54	3,496.43	17.57	21.59	9.93	-191.04	-956.89	271.07	242.82	28.25	9.595		
3,800.00	3,697.04	3,779.86	3,587.85	18.15	22.37	9.66	-199.77	-994.70	282.66	253.56	29.09	9.716		
3,900.00	3,793.01	3,879.17	3,679.28	18.73	23.15	9.41	-208.50	-1,032.51	294.25	264.31	29.94	9.829		
4,000.00	3,888.99	3,978.49	3,770.70	19.31	23.93	9.18	-217.23	-1,070.32	305.84	275.06	30.78	9.936		
4,100.00	3,984.96	4,077.81	3,862.12	19.89	24.71	8.97	-225.96	-1,108.14	317.44	285.81	31.63	10.036		
4,200.00	4,080.93	4,177.13	3,953.55	20.47	25.49	8.77	-234.69	-1,145.95	329.05	296.57	32.48	10.132		
4,300.00	4,176.91	4,276.45	4,044.97	21.05	26.28	8.59	-243.42	-1,183.76	340.65	307.33	33.32	10.223		
4,400.00	4,272.88	4,375.77	4,136.39	21.63	27.06	8.42	-252.15	-1,221.57	352.27	318.09	34.17	10.309		
4,500.00	4,368.85	4,474.84	4,227.59	22.21	27.84	8.28	-260.75	-1,259.31	363.89	328.87	35.02	10.391		
4,600.00	4,464.83	4,573.17	4,318.12	22.80	28.62	8.12	-269.30	-1,297.19	375.70	339.82	35.89	10.469		
4,700.00	4,560.80	4,672.41	4,409.47	23.38	29.41	8.00	-277.81	-1,335.08	387.66	350.87	36.79	10.538		
4,800.00	4,656.77	4,771.65	4,500.82	23.96	30.19	7.90	-286.26	-1,372.96	399.64	361.95	37.69	10.603		
4,900.00	4,752.75	4,870.89	4,592.17	24.54	30.98	7.79	-294.67	-1,410.85	411.64	373.04	38.60	10.665		
5,000.00	4,848.72	4,970.12	4,683.52	25.13	31.77	7.67	-303.02	-1,448.74	423.66	384.16	39.51	10.724		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4E-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
5,100.00	4,944.69	5,069.36	4,774.87	25.71	32.56	10.53	-290.42	-1,489.62	435.70	395.28	40.41	10.781	
5,200.00	5,040.67	5,168.60	4,866.22	26.29	33.35	10.86	-295.12	-1,528.11	447.75	406.43	41.32	10.835	
5,300.00	5,136.64	5,267.83	4,957.57	26.88	34.13	11.18	-299.83	-1,566.60	459.82	417.58	42.24	10.887	
5,400.00	5,232.61	5,367.07	5,048.92	27.46	34.92	11.49	-304.53	-1,605.08	471.90	428.75	43.15	10.937	
5,500.00	5,328.59	5,466.31	5,140.27	28.05	35.71	11.78	-309.23	-1,643.57	483.99	439.93	44.06	10.984	
5,600.00	5,424.56	5,565.55	5,231.62	28.63	36.51	12.05	-313.94	-1,682.06	496.09	451.12	44.98	11.030	
5,700.00	5,520.53	5,664.78	5,322.97	29.21	37.30	12.31	-318.64	-1,720.54	508.21	462.32	45.89	11.074	
5,800.00	5,616.51	5,764.02	5,414.32	29.80	38.09	12.56	-323.35	-1,759.03	520.33	473.52	46.81	11.116	
5,900.00	5,712.48	5,863.26	5,505.67	30.38	38.88	12.80	-328.05	-1,797.51	532.47	484.74	47.72	11.157	
6,000.00	5,808.45	5,963.71	5,598.14	30.97	39.68	13.03	-332.81	-1,836.47	544.60	495.94	48.66	11.192	
6,100.00	5,904.43	6,066.63	5,712.39	31.55	40.60	13.34	-338.31	-1,881.46	554.43	504.59	49.84	11.124	
6,200.00	6,000.96	6,210.24	5,829.12	32.11	41.43	13.67	-343.23	-1,921.75	562.01	511.08	50.93	11.035	
6,300.00	6,098.34	6,334.29	5,947.94	32.62	42.17	13.95	-347.56	-1,957.13	568.71	516.81	51.90	10.958	
6,400.00	6,196.46	6,458.75	6,068.58	33.08	42.82	14.18	-351.26	-1,987.46	574.49	521.74	52.75	10.891	
6,500.00	6,295.19	6,563.55	6,190.77	33.50	43.38	14.37	-354.34	-2,012.63	579.36	525.88	53.48	10.834	
6,600.00	6,394.41	6,708.64	6,314.23	33.87	43.87	14.52	-356.77	-2,032.52	583.28	529.20	54.08	10.786	
6,700.00	6,494.01	6,833.95	6,438.67	34.21	44.27	14.62	-358.55	-2,047.07	586.25	531.70	54.54	10.748	
6,800.00	6,593.86	6,959.43	6,563.80	34.51	44.61	14.68	-359.67	-2,056.22	588.26	533.37	54.89	10.718	
6,900.00	6,693.83	7,085.00	6,689.31	34.77	44.89	14.70	-360.12	-2,059.91	589.30	534.22	55.08	10.698	
7,000.00	6,793.83	7,189.53	6,793.83	35.01	45.09	-89.32	-360.13	-2,060.00	589.36	533.79	55.57	10.606	
7,100.00	6,893.83	7,289.53	6,893.83	35.25	45.28	-89.32	-360.13	-2,060.00	589.36	533.23	56.13	10.499	
7,200.00	6,993.83	7,389.53	6,993.83	35.49	45.47	-89.32	-360.13	-2,060.00	589.36	532.66	56.70	10.394	
7,300.00	7,093.83	7,489.53	7,093.83	35.73	45.66	-89.32	-360.13	-2,060.00	589.36	532.09	57.27	10.290	
7,400.00	7,193.83	7,610.47	7,193.83	35.98	45.90	-89.53	-360.13	-2,060.00	589.36	531.45	57.91	10.178	
7,474.04	7,267.68	7,663.38	7,267.68	36.15	46.00	-90.00	-360.13	-2,060.00	589.34	531.19	58.15	10.135	
7,500.00	7,293.40	7,689.10	7,293.40	36.21	46.05	-90.34	-360.13	-2,060.00	589.35	531.14	58.21	10.124	
7,600.00	7,390.83	7,789.77	7,393.91	36.41	46.24	-92.05	-355.64	-2,059.94	589.68	531.38	58.31	10.114	
7,700.00	7,484.24	7,893.45	7,495.74	36.58	46.42	-93.79	-336.64	-2,059.67	590.41	532.10	58.31	10.125	
7,800.00	7,571.80	8,000.01	7,596.41	36.72	46.57	-95.47	-302.02	-2,059.19	591.46	533.21	58.25	10.153	
7,900.00	7,651.80	8,109.50	7,693.33	36.81	46.68	-97.05	-251.31	-2,058.48	592.74	534.61	58.14	10.196	
8,000.00	7,722.70	8,221.90	7,783.60	36.86	46.75	-98.51	-184.53	-2,057.54	594.10	536.14	57.97	10.249	
8,100.00	7,783.11	8,337.08	7,864.09	36.88	46.77	-99.80	-102.34	-2,056.39	595.38	537.61	57.77	10.306	
8,200.00	7,831.85	8,454.74	7,931.65	36.87	46.76	-100.88	-6.18	-2,055.05	596.39	538.79	57.60	10.354	
8,300.00	7,867.98	8,574.45	7,983.31	36.85	46.71	-101.73	101.65	-2,053.54	596.97	539.44	57.53	10.376	
8,400.00	7,890.79	8,695.66	8,016.58	36.83	46.66	-102.30	218.04	-2,051.91	597.00	539.34	57.66	10.354	
8,500.00	7,899.84	8,817.67	8,029.80	36.82	46.61	-102.58	339.17	-2,050.22	596.37	538.33	58.05	10.274	
8,600.00	7,900.00	8,920.72	8,030.00	36.85	46.59	-102.61	442.21	-2,048.78	595.35	536.75	58.60	10.160	
8,700.00	7,900.00	9,020.71	8,030.00	36.94	46.60	-102.64	542.19	-2,047.38	594.33	535.05	59.28	10.025	
8,800.00	7,900.00	9,120.71	8,030.00	37.08	46.64	-102.66	642.18	-2,045.98	593.31	533.19	60.12	9.868	
8,900.00	7,900.00	9,220.70	8,030.00	37.29	46.72	-102.68	742.16	-2,044.58	592.29	531.19	61.11	9.693	
9,000.00	7,900.00	9,320.69	8,030.00	37.59	46.83	-102.70	842.14	-2,043.18	591.27	529.05	62.23	9.502	
9,100.00	7,900.00	9,420.69	8,030.00	37.97	46.99	-102.72	942.13	-2,041.79	590.25	526.78	63.48	9.299	
9,200.00	7,900.00	9,520.68	8,030.00	38.44	47.18	-102.75	1,042.11	-2,040.39	589.23	524.38	64.85	9.086	
9,300.00	7,900.00	9,620.68	8,030.00	39.00	47.42	-102.77	1,142.10	-2,038.99	588.21	521.87	66.34	8.866	
9,400.00	7,900.00	9,720.67	8,030.00	39.65	47.72	-102.79	1,242.08	-2,037.59	587.20	519.26	67.94	8.643	
9,500.00	7,900.00	9,820.67	8,030.00	40.38	48.07	-102.81	1,342.07	-2,036.19	586.18	516.54	69.64	8.418	
9,600.00	7,900.00	9,920.66	8,030.00	41.18	48.47	-102.84	1,442.05	-2,034.79	585.16	513.73	71.42	8.193	
9,700.00	7,900.00	10,020.66	8,030.00	42.04	48.94	-102.86	1,542.04	-2,033.40	584.14	510.84	73.30	7.969	
9,800.00	7,900.00	10,120.65	8,030.00	42.96	49.47	-102.88	1,642.02	-2,032.00	583.12	507.86	75.26	7.748	
9,900.00	7,900.00	10,220.65	8,030.00	43.93	50.06	-102.91	1,742.01	-2,030.60	582.10	504.82	77.28	7.532	
10,000.00	7,900.00	10,320.64	8,030.00	44.94	50.72	-102.93	1,841.99	-2,029.20	581.08	501.70	79.38	7.320	
10,100.00	7,900.00	10,420.63	8,030.00	45.99	51.43	-102.95	1,941.98	-2,027.80	580.06	498.52	81.54	7.114	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4E-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.00	7,900.00	10,520.63	8,030.00	47.07	52.21	-102.97	2,041.96	-2,026.40	579.04	495.29	83.76	6.913	
10,300.00	7,900.00	10,620.62	8,030.00	48.19	53.03	-103.00	2,141.95	-2,025.01	578.03	492.00	86.03	6.719	
10,400.00	7,900.00	10,720.62	8,030.00	49.33	53.91	-103.02	2,241.93	-2,023.61	577.01	488.66	88.35	6.531	
10,500.00	7,900.00	10,820.61	8,030.00	50.50	54.83	-103.04	2,341.92	-2,022.21	575.99	485.28	90.71	6.350	
10,600.00	7,900.00	10,920.61	8,030.00	51.69	55.80	-103.07	2,441.90	-2,020.81	574.97	481.86	93.11	6.175	
10,700.00	7,900.00	11,020.60	8,030.00	52.91	56.81	-103.09	2,541.89	-2,019.41	573.95	478.39	95.56	6.006	
10,800.00	7,900.00	11,120.60	8,030.00	54.14	57.85	-103.12	2,641.87	-2,018.01	572.93	474.90	98.04	5.844	
10,900.00	7,900.00	11,220.59	8,030.00	55.39	58.92	-103.14	2,741.86	-2,016.62	571.92	471.37	100.55	5.688	
11,000.00	7,900.00	11,320.59	8,030.00	56.66	60.03	-103.16	2,841.84	-2,015.22	570.90	467.80	103.09	5.538	
11,100.00	7,900.00	11,420.58	8,030.00	57.95	61.16	-103.19	2,941.82	-2,013.82	569.88	464.22	105.66	5.393	
11,200.00	7,900.00	11,520.57	8,030.00	59.25	62.31	-103.21	3,041.81	-2,012.42	568.86	460.60	108.26	5.254	
11,300.00	7,900.00	11,620.57	8,030.00	60.56	63.49	-103.24	3,141.79	-2,011.02	567.85	456.96	110.88	5.121	
11,400.00	7,900.00	11,720.56	8,030.00	61.89	64.69	-103.26	3,241.78	-2,009.62	566.83	453.30	113.53	4.993	
11,500.00	7,900.00	11,820.56	8,030.00	63.23	65.91	-103.28	3,341.76	-2,008.23	565.81	449.62	116.19	4.870	
11,600.00	7,900.00	11,920.55	8,030.00	64.57	67.15	-103.31	3,441.75	-2,006.83	564.79	445.92	118.88	4.751	
11,700.00	7,900.00	12,020.55	8,030.00	65.93	68.40	-103.33	3,541.73	-2,005.43	563.78	442.20	121.58	4.637	
11,800.00	7,900.00	12,120.54	8,030.00	67.30	69.67	-103.36	3,641.72	-2,004.03	562.76	438.46	124.30	4.527	
11,900.00	7,900.00	12,220.54	8,030.00	68.68	70.96	-103.38	3,741.70	-2,002.63	561.74	434.71	127.03	4.422	
12,000.00	7,900.00	12,320.53	8,030.00	70.07	72.25	-103.41	3,841.69	-2,001.23	560.73	430.94	129.79	4.320	
12,100.00	7,900.00	12,423.29	8,030.00	71.46	73.59	-103.43	3,944.44	-1,999.76	559.68	427.26	132.42	4.227	
12,200.00	7,900.00	12,546.58	8,030.00	72.86	75.18	-103.54	4,067.62	-1,994.76	556.08	422.14	133.94	4.152	
12,300.00	7,900.00	12,650.53	8,030.00	74.27	76.50	-103.71	4,171.32	-1,987.59	549.71	413.35	136.36	4.031	
12,400.00	7,900.00	12,750.31	8,030.00	75.69	77.78	-103.87	4,270.85	-1,980.63	543.27	404.26	139.02	3.908	
12,500.00	7,900.00	12,850.09	8,030.00	77.11	79.06	-104.04	4,370.39	-1,973.67	536.84	395.16	141.68	3.789	
12,600.00	7,900.00	12,949.87	8,030.00	78.54	80.36	-104.22	4,469.93	-1,966.71	530.42	386.07	144.35	3.675	
12,700.00	7,900.00	13,049.65	8,030.00	79.97	81.66	-104.39	4,569.47	-1,959.75	524.00	376.98	147.02	3.564	
12,800.00	7,900.00	13,149.43	8,030.00	81.41	82.98	-104.58	4,669.00	-1,952.79	517.59	367.89	149.70	3.458	
12,900.00	7,900.00	13,249.21	8,030.00	82.85	84.30	-104.76	4,768.54	-1,945.83	511.18	358.81	152.37	3.355	
13,000.00	7,900.00	13,348.99	8,030.00	84.30	85.63	-104.96	4,868.08	-1,938.87	504.78	349.73	155.05	3.256	
13,100.00	7,900.00	13,448.77	8,030.00	85.76	86.97	-105.15	4,967.61	-1,931.91	498.38	340.66	157.72	3.160	
13,200.00	7,900.00	13,548.55	8,030.00	87.22	88.32	-105.35	5,067.15	-1,924.95	491.99	331.59	160.40	3.067	
13,300.00	7,900.00	13,648.33	8,030.00	88.68	89.67	-105.56	5,166.69	-1,917.99	485.61	322.53	163.07	2.978	
13,400.00	7,900.00	13,748.11	8,030.00	90.14	91.03	-105.77	5,266.23	-1,911.03	479.23	313.48	165.74	2.891	
13,500.00	7,900.00	13,847.89	8,030.00	91.61	92.39	-105.99	5,365.76	-1,904.07	472.86	304.45	168.41	2.808	
13,600.00	7,900.00	13,947.67	8,030.00	93.09	93.76	-106.21	5,465.30	-1,897.11	466.49	295.42	171.07	2.727	
13,700.00	7,900.00	14,047.45	8,030.00	94.56	95.14	-106.45	5,564.84	-1,890.15	460.13	286.41	173.73	2.649	
13,800.00	7,900.00	14,147.23	8,030.00	96.04	96.52	-106.68	5,664.38	-1,883.19	453.78	277.41	176.38	2.573	
13,900.00	7,900.00	14,247.01	8,030.00	97.53	97.91	-106.93	5,763.91	-1,876.23	447.44	268.42	179.02	2.499	
14,000.00	7,900.00	14,346.79	8,030.00	99.01	99.30	-107.18	5,863.45	-1,869.27	441.11	259.45	181.66	2.428	
14,100.00	7,900.00	14,446.58	8,030.00	100.50	100.70	-107.43	5,962.99	-1,862.30	434.79	250.50	184.28	2.359	
14,200.00	7,900.00	14,546.36	8,030.00	101.99	102.10	-107.70	6,062.53	-1,855.34	428.47	241.57	186.90	2.293	
14,300.00	7,900.00	14,636.60	8,030.00	103.49	103.38	-107.91	6,152.60	-1,849.85	423.04	232.68	190.35	2.222	
14,400.00	7,900.00	14,724.28	8,030.00	104.98	104.65	-108.01	6,240.24	-1,847.15	420.44	226.39	194.05	2.167	
14,439.03	7,900.00	14,758.54	8,030.00	105.57	105.15	-108.02	6,274.49	-1,846.83	420.22	224.73	195.50	2.150	
14,500.00	7,900.00	14,812.03	8,030.00	106.48	105.94	-108.00	6,327.99	-1,847.14	420.76	223.02	197.75	2.128	
14,600.00	7,900.00	14,899.68	8,030.00	107.98	107.26	-107.88	6,415.59	-1,849.81	424.00	222.56	201.44	2.105	
14,700.00	7,900.00	15,008.88	8,030.00	109.49	108.93	-107.64	6,506.87	-1,855.26	429.99	224.74	205.25	2.095	
14,800.00	7,900.00	15,109.12	8,030.00	110.99	110.48	-107.36	6,606.40	-1,861.88	436.65	228.13	208.51	2.094	
14,900.00	7,900.00	15,209.36	8,030.00	112.50	112.02	-107.09	6,705.94	-1,868.49	443.32	231.54	211.78	2.093	
15,000.00	7,900.00	15,309.61	8,030.00	114.01	113.57	-106.83	6,805.47	-1,875.11	450.00	234.96	215.04	2.093	
15,100.00	7,900.00	15,390.15	8,030.00	115.52	114.82	-106.58	6,905.01	-1,881.72	456.69	238.68	218.01	2.095	
15,200.00	7,900.00	15,489.90	8,030.00	117.04	116.36	-106.33	7,004.55	-1,888.33	463.39	242.13	221.26	2.094	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4E-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
15,300.00	7,900.00	15,589.66	8,030.00	118.55	117.91	-106.09	7,104.08	-1,894.95	470.10	245.58	224.51	2.094		
15,400.00	7,900.00	15,689.41	8,030.00	120.07	119.46	-105.86	7,203.62	-1,901.56	476.81	249.05	227.76	2.093		
15,500.00	7,900.00	15,789.17	8,030.00	121.59	121.02	-105.63	7,303.16	-1,908.18	483.53	252.52	231.01	2.093		
15,600.00	7,900.00	15,888.93	8,030.00	123.11	122.57	-105.41	7,402.69	-1,914.79	490.26	256.00	234.26	2.093		
15,700.00	7,900.00	15,988.68	8,030.00	124.63	124.13	-105.20	7,502.23	-1,921.41	497.00	259.49	237.51	2.093		
15,800.00	7,900.00	16,088.44	8,030.00	126.15	125.69	-104.99	7,601.77	-1,928.02	503.74	262.99	240.75	2.092		
15,900.00	7,900.00	16,188.19	8,030.00	127.67	127.25	-104.79	7,701.30	-1,934.64	510.49	266.50	244.00	2.092		
16,000.00	7,900.00	16,287.95	8,030.00	129.20	128.81	-104.59	7,800.84	-1,941.25	517.25	270.01	247.24	2.092		
16,100.00	7,900.00	16,387.71	8,030.00	130.73	130.37	-104.40	7,900.37	-1,947.87	524.01	273.53	250.48	2.092		
16,200.00	7,900.00	16,487.46	8,030.00	132.25	131.94	-104.21	7,999.91	-1,954.48	530.78	277.06	253.72	2.092		
16,300.00	7,900.00	16,587.22	8,030.00	133.78	133.51	-104.03	8,099.45	-1,961.09	537.55	280.59	256.96	2.092		
16,400.00	7,900.00	16,686.97	8,030.00	135.31	135.08	-103.85	8,198.98	-1,967.71	544.33	284.13	260.20	2.092		
16,500.00	7,900.00	16,786.73	8,030.00	136.84	136.65	-103.68	8,298.52	-1,974.32	551.11	287.67	263.44	2.092		
16,600.00	7,900.00	16,886.48	8,030.00	138.38	138.22	-103.51	8,398.06	-1,980.94	557.90	291.22	266.68	2.092		
16,700.00	7,900.00	16,986.24	8,030.00	139.91	139.80	-103.34	8,497.59	-1,987.55	564.70	294.78	269.91	2.092		
16,800.00	7,900.00	17,086.00	8,030.00	141.44	141.37	-103.18	8,597.13	-1,994.17	571.49	298.34	273.15	2.092		
16,900.00	7,900.00	17,185.75	8,030.00	142.98	142.95	-103.02	8,696.67	-2,000.78	578.30	301.91	276.39	2.092		
17,000.00	7,900.00	17,285.51	8,030.00	144.52	144.53	-102.87	8,796.20	-2,007.40	585.10	305.48	279.62	2.092		
17,100.00	7,900.00	17,385.26	8,030.00	146.05	146.10	-102.72	8,895.74	-2,014.01	591.91	309.06	282.85	2.093		
17,200.00	7,900.00	17,493.25	8,030.00	147.59	147.81	-102.56	9,003.50	-2,020.89	598.51	312.59	285.91	2.093		
17,300.00	7,900.00	17,618.90	8,030.00	149.13	149.77	-102.48	9,129.08	-2,024.70	601.81	313.62	288.19	2.088		
17,400.00	7,900.00	17,723.84	8,030.00	150.67	151.37	-102.47	9,234.03	-2,024.80	602.24	311.21	291.03	2.069		
17,500.00	7,900.00	17,823.84	8,030.00	152.21	152.90	-102.46	9,334.03	-2,024.80	602.58	308.50	294.08	2.049		
17,600.00	7,900.00	17,923.84	8,030.00	153.75	154.43	-102.45	9,434.02	-2,024.80	602.93	305.79	297.14	2.029		
17,700.00	7,900.00	18,023.84	8,030.00	155.29	155.96	-102.44	9,534.02	-2,024.80	603.27	303.08	300.19	2.010		
17,800.00	7,900.00	18,123.84	8,030.00	156.84	157.49	-102.44	9,634.02	-2,024.80	603.62	300.37	303.25	1.990		
17,900.00	7,900.00	18,223.84	8,030.00	158.38	159.02	-102.43	9,734.02	-2,024.80	603.96	297.65	306.31	1.972		
17,930.78	7,900.00	18,243.00	8,030.00	158.86	159.32	-102.43	9,753.18	-2,024.80	604.18	296.43	307.75	1.963 SF		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4F-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.04	0.00	20.04					
100.00	100.00	100.00	100.00	0.14	0.14	0.00	20.04	0.00	20.04	19.76	0.28	72.585		
200.00	200.00	200.00	200.00	0.50	0.50	0.00	20.04	0.00	20.04	19.04	0.99	20.177		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	20.04	0.00	20.04	18.33	1.71	11.717		
400.00	400.00	400.00	400.00	1.21	1.21	0.00	20.04	0.00	20.04	17.61	2.43	8.256		
500.00	500.00	500.00	500.00	1.57	1.57	0.00	20.04	0.00	20.04	16.89	3.14	6.373		
600.00	600.00	600.00	600.00	1.93	1.93	0.00	20.04	0.00	20.04	16.17	3.86	5.189		
700.00	700.00	700.00	700.00	2.29	2.29	0.00	20.04	0.00	20.04	15.46	4.58	4.377 CC		
800.00	799.98	800.12	800.10	2.64	2.64	103.94	19.73	-1.72	20.15	14.87	5.28	3.820		
900.00	899.84	900.25	900.08	2.98	2.98	103.71	18.80	-6.89	20.49	14.53	5.96	3.436		
1,000.00	999.45	1,000.37	999.82	3.33	3.34	103.34	17.26	-15.49	21.07	14.40	6.67	3.159		
1,100.00	1,098.70	1,100.48	1,099.18	3.70	3.70	102.86	15.11	-27.51	21.87	14.48	7.39	2.958		
1,200.00	1,197.47	1,200.60	1,198.05	4.08	4.08	102.29	12.34	-42.94	22.90	14.75	8.15	2.810		
1,300.00	1,295.62	1,300.71	1,296.31	4.47	4.48	101.67	8.97	-61.77	24.17	15.22	8.95	2.701		
1,400.00	1,393.06	1,400.81	1,393.84	4.90	4.91	101.00	5.00	-83.96	25.66	15.86	9.80	2.619		
1,500.00	1,489.64	1,500.91	1,490.51	5.36	5.37	100.33	0.42	-109.48	27.38	16.67	10.71	2.557		
1,600.00	1,585.63	1,600.97	1,586.19	5.85	5.87	97.29	-4.74	-138.31	29.14	17.44	11.70	2.490		
1,700.00	1,681.60	1,718.73	1,680.59	6.35	6.51	88.29	-10.47	-170.32	31.11	18.25	12.86	2.420		
1,800.00	1,777.57	1,800.56	1,774.20	6.87	6.99	77.18	-16.55	-204.22	34.29	20.52	13.77	2.491		
1,900.00	1,873.55	1,900.31	1,867.82	7.40	7.60	68.21	-22.62	-238.11	38.52	23.82	14.70	2.621		
2,000.00	1,969.52	2,000.06	1,961.43	7.94	8.21	61.16	-28.69	-272.01	43.50	27.92	15.58	2.792		
2,100.00	2,065.49	2,099.81	2,055.05	8.48	8.85	55.61	-34.76	-305.91	49.00	32.56	16.43	2.982		
2,200.00	2,161.47	2,199.56	2,148.67	9.03	9.49	51.21	-40.83	-339.80	54.86	37.59	17.27	3.176		
2,300.00	2,257.44	2,300.69	2,242.28	9.58	10.15	47.68	-46.91	-373.70	60.99	42.87	18.12	3.366		
2,400.00	2,353.41	2,400.94	2,335.90	10.14	10.81	44.80	-52.98	-407.60	67.30	48.34	18.96	3.549		
2,500.00	2,449.39	2,501.20	2,429.52	10.70	11.47	42.42	-59.05	-441.49	73.75	53.95	19.80	3.724		
2,600.00	2,545.36	2,598.55	2,523.13	11.27	12.12	40.42	-65.12	-475.39	80.31	59.68	20.64	3.892		
2,700.00	2,641.33	2,698.30	2,616.75	11.83	12.79	38.73	-71.19	-509.28	86.96	65.47	21.49	4.047		
2,800.00	2,737.31	2,798.05	2,710.36	12.40	13.47	37.28	-77.26	-543.18	93.66	71.32	22.34	4.192		
2,900.00	2,833.28	2,897.80	2,803.98	12.97	14.14	36.02	-83.34	-577.08	100.42	77.22	23.20	4.329		
3,000.00	2,929.25	3,002.45	2,897.60	13.54	14.86	34.92	-89.41	-610.97	107.22	83.14	24.08	4.452		
3,100.00	3,025.23	3,102.70	2,991.21	14.11	15.54	33.95	-95.48	-644.87	114.06	89.11	24.95	4.572		
3,200.00	3,121.20	3,202.95	3,084.83	14.69	16.23	33.10	-101.55	-678.76	120.92	95.11	25.82	4.684		
3,300.00	3,217.17	3,296.79	3,178.44	15.26	16.87	32.33	-107.62	-712.66	127.81	101.16	26.65	4.795		
3,400.00	3,313.15	3,403.46	3,272.06	15.84	17.61	31.64	-113.70	-746.56	134.72	107.16	27.56	4.889		
3,500.00	3,409.12	3,503.71	3,365.68	16.42	18.30	31.02	-119.77	-780.45	141.65	113.22	28.43	4.982		
3,600.00	3,505.09	3,596.04	3,459.29	16.99	18.94	30.46	-125.84	-814.35	148.59	119.32	29.27	5.077		
3,700.00	3,601.07	3,704.21	3,552.91	17.57	19.68	29.95	-131.91	-848.24	155.54	125.36	30.18	5.153		
3,800.00	3,697.04	3,804.46	3,646.53	18.15	20.38	29.48	-137.98	-882.14	162.51	131.44	31.06	5.231		
3,900.00	3,793.01	3,904.71	3,740.14	18.73	21.07	29.05	-144.05	-916.04	169.48	137.54	31.94	5.306		
4,000.00	3,888.99	4,004.97	3,833.76	19.31	21.77	28.66	-150.13	-949.93	176.47	143.64	32.82	5.376		
4,100.00	3,984.96	4,094.78	3,927.37	19.89	22.39	28.29	-156.20	-983.83	183.46	149.80	33.66	5.451		
4,200.00	4,080.93	4,194.53	4,020.99	20.47	23.09	27.95	-162.27	-1,017.73	190.46	155.92	34.54	5.515		
4,300.00	4,176.91	4,305.72	4,114.61	21.05	23.86	27.64	-168.34	-1,051.62	197.46	161.99	35.47	5.566		
4,400.00	4,272.88	4,405.97	4,208.22	21.63	24.56	27.35	-174.41	-1,085.52	204.47	168.11	36.36	5.624		
4,500.00	4,368.85	4,493.78	4,301.84	22.21	25.17	27.07	-180.49	-1,119.41	211.49	174.30	37.18	5.688		
4,600.00	4,464.83	4,606.47	4,395.46	22.80	25.96	26.82	-186.56	-1,153.31	218.51	180.38	38.13	5.731		
4,700.00	4,560.80	4,706.72	4,489.07	23.38	26.66	26.58	-192.63	-1,187.21	225.53	186.51	39.02	5.780		
4,800.00	4,656.77	4,806.98	4,582.69	23.96	27.36	26.35	-198.70	-1,221.10	232.56	192.65	39.90	5.828		
4,900.00	4,752.75	4,892.77	4,676.30	24.54	27.96	26.14	-204.77	-1,255.00	239.59	198.87	40.72	5.883		
5,000.00	4,848.72	5,007.48	4,769.92	25.13	28.76	25.94	-210.84	-1,288.89	246.62	204.94	41.68	5.917		
5,100.00	4,944.69	5,092.27	4,863.54	25.71	29.35	25.75	-216.92	-1,322.79	253.66	211.17	42.50	5.969		

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Cathedral Energy Services

Anticollision Report

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Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4F-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
5,200.00	5,040.67	5,207.98	4,957.15	26.29	30.16	25.57	-222.99	-1,356.69	260.70	217.24	43.46	5.999		
5,300.00	5,136.64	5,291.77	5,050.77	26.88	30.75	25.40	-229.06	-1,390.58	267.74	223.47	44.27	6.048		
5,400.00	5,232.61	5,391.52	5,144.38	27.46	31.44	25.24	-235.13	-1,424.48	274.79	229.63	45.16	6.085		
5,500.00	5,328.59	5,508.73	5,238.00	28.05	32.26	25.09	-241.20	-1,458.37	281.83	235.70	46.13	6.110		
5,600.00	5,424.56	5,608.99	5,331.62	28.63	32.97	24.94	-247.27	-1,492.27	288.88	241.86	47.02	6.144		
5,700.00	5,520.53	5,690.76	5,425.23	29.21	33.54	24.81	-253.35	-1,526.17	295.93	248.11	47.82	6.188		
5,800.00	5,616.51	5,791.43	5,519.71	29.80	34.24	24.67	-259.47	-1,560.36	302.97	254.24	48.73	6.218		
5,900.00	5,712.48	5,902.35	5,624.65	30.38	34.98	24.70	-265.81	-1,595.73	307.92	258.14	49.78	6.186		
6,000.00	5,808.45	6,013.50	5,731.12	30.97	35.64	25.01	-271.43	-1,627.13	309.25	258.42	50.83	6.084		
6,100.00	5,904.43	6,124.55	5,838.64	31.55	36.24	25.61	-276.32	-1,654.42	307.00	255.11	51.89	5.916		
6,200.00	6,000.96	6,235.34	5,946.90	32.11	36.76	26.31	-280.46	-1,677.53	303.06	250.15	52.91	5.728		
6,300.00	6,098.34	6,345.88	6,055.76	32.62	37.23	27.00	-283.85	-1,696.48	298.72	244.88	53.84	5.549		
6,400.00	6,196.46	6,456.18	6,165.02	33.08	37.64	27.70	-286.50	-1,711.25	293.99	239.31	54.68	5.376		
6,500.00	6,295.19	6,566.20	6,274.50	33.50	37.99	28.41	-288.40	-1,721.84	288.88	233.43	55.45	5.210		
6,600.00	6,394.41	6,675.93	6,384.03	33.87	38.30	29.12	-289.55	-1,728.28	283.39	227.25	56.14	5.048		
6,700.00	6,494.01	6,785.37	6,493.44	34.21	38.56	29.84	-289.96	-1,730.58	277.53	220.79	56.74	4.891		
6,800.00	6,593.86	6,885.78	6,593.86	34.51	38.77	30.36	-289.96	-1,730.59	272.82	215.31	57.51	4.744		
6,900.00	6,693.83	6,985.76	6,693.83	34.77	38.98	30.55	-289.96	-1,730.59	271.13	212.99	58.14	4.663		
6,976.03	6,769.86	7,061.79	6,769.86	34.95	39.14	30.56	-289.96	-1,730.59	271.04	212.49	58.55	4.629		
7,000.00	6,793.83	7,085.76	6,793.83	35.01	39.19	-73.46	-289.96	-1,730.59	271.13	212.45	58.68	4.620		
7,100.00	6,893.83	7,185.76	6,893.83	35.25	39.41	-73.46	-289.96	-1,730.59	271.13	211.90	59.22	4.578		
7,200.00	6,993.83	7,285.76	6,993.83	35.49	39.63	-73.46	-289.96	-1,730.59	271.13	211.35	59.77	4.536		
7,202.42	6,996.26	7,288.18	6,996.26	35.49	39.63	-73.46	-289.96	-1,730.59	271.13	211.34	59.78	4.535		
7,300.00	7,093.83	7,382.86	7,090.92	35.73	39.84	-73.36	-289.45	-1,730.59	271.29	210.84	60.44	4.488		
7,400.00	7,193.83	7,472.22	7,179.78	35.98	40.03	-71.74	-280.51	-1,730.56	274.27	212.43	61.84	4.435		
7,500.00	7,293.40	7,559.76	7,265.09	36.21	40.19	-69.00	-261.10	-1,730.49	279.01	215.77	63.24	4.412		
7,600.00	7,390.83	7,646.12	7,346.30	36.41	40.33	-66.67	-231.90	-1,730.38	283.62	219.50	64.12	4.424		
7,700.00	7,484.24	7,731.51	7,422.58	36.58	40.45	-64.77	-193.62	-1,730.25	287.83	223.37	64.46	4.465		
7,800.00	7,571.80	7,816.14	7,493.15	36.72	40.54	-63.30	-147.01	-1,730.08	291.39	227.06	64.33	4.530		
7,900.00	7,651.80	7,900.19	7,557.32	36.81	40.60	-62.24	-92.79	-1,729.89	294.10	230.27	63.83	4.608		
8,000.00	7,722.70	7,983.86	7,614.45	36.86	40.65	-61.59	-31.73	-1,729.68	295.83	232.71	63.12	4.687		
8,100.00	7,783.11	8,067.34	7,663.97	36.88	40.67	-61.35	35.42	-1,729.44	296.49	234.11	62.38	4.753		
8,200.00	7,831.85	8,150.80	7,705.34	36.87	40.68	-61.51	107.84	-1,729.18	296.04	234.26	61.78	4.792		
8,300.00	7,867.98	8,234.42	7,738.06	36.85	40.68	-62.08	184.75	-1,728.91	294.51	233.01	61.50	4.789		
8,400.00	7,890.79	8,318.39	7,761.68	36.83	40.67	-63.06	265.27	-1,728.62	291.97	230.35	61.62	4.738		
8,500.00	7,899.84	8,402.89	7,775.77	36.82	40.68	-64.46	348.54	-1,728.33	288.56	226.36	62.21	4.639		
8,600.00	7,900.00	8,489.51	7,780.00	36.85	40.70	-65.24	435.00	-1,728.02	286.51	223.43	63.08	4.542		
8,700.00	7,900.00	8,589.51	7,780.00	36.94	40.76	-65.24	535.00	-1,727.67	286.51	222.46	64.06	4.473		
8,800.00	7,900.00	8,689.51	7,780.00	37.08	40.86	-65.24	635.00	-1,727.31	286.51	221.37	65.15	4.398		
8,900.00	7,900.00	8,789.51	7,780.00	37.29	41.01	-65.24	735.00	-1,726.96	286.51	220.16	66.35	4.318		
9,000.00	7,900.00	8,889.51	7,780.00	37.59	41.21	-65.24	835.00	-1,726.60	286.51	218.85	67.66	4.235		
9,100.00	7,900.00	8,989.51	7,780.00	37.97	41.46	-65.24	935.00	-1,726.25	286.51	217.44	69.07	4.148		
9,200.00	7,900.00	9,089.51	7,780.00	38.44	41.78	-65.24	1,035.00	-1,725.90	286.51	215.93	70.57	4.060		
9,300.00	7,900.00	9,189.51	7,780.00	39.00	42.17	-65.24	1,135.00	-1,725.54	286.51	214.34	72.17	3.970		
9,400.00	7,900.00	9,289.51	7,780.00	39.65	42.62	-65.24	1,235.00	-1,725.19	286.51	212.66	73.84	3.880		
9,500.00	7,900.00	9,389.51	7,780.00	40.38	43.14	-65.24	1,335.00	-1,724.83	286.51	210.91	75.60	3.790		
9,600.00	7,900.00	9,489.51	7,780.00	41.18	43.74	-65.24	1,435.00	-1,724.48	286.51	209.08	77.42	3.700		
9,700.00	7,900.00	9,589.51	7,780.00	42.04	44.41	-65.24	1,535.00	-1,724.12	286.50	207.19	79.32	3.612		
9,800.00	7,900.00	9,689.51	7,780.00	42.96	45.14	-65.24	1,635.00	-1,723.77	286.50	205.23	81.27	3.525		
9,900.00	7,900.00	9,789.51	7,780.00	43.93	45.94	-65.24	1,734.99	-1,723.42	286.50	203.22	83.29	3.440		
10,000.00	7,900.00	9,889.51	7,780.00	44.94	46.79	-65.24	1,834.99	-1,723.06	286.50	201.15	85.35	3.357		
10,100.00	7,900.00	9,989.51	7,780.00	45.99	47.70	-65.24	1,934.99	-1,722.71	286.50	199.03	87.47	3.275		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4F-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
10,200.00	7,900.00	10,089.51	7,780.00	47.07	48.65	-65.24	2,034.99	-1,722.35	286.50	196.86	89.64	3.196		
10,300.00	7,900.00	10,189.51	7,780.00	48.19	49.65	-65.24	2,134.99	-1,722.00	286.50	194.66	91.84	3.119		
10,400.00	7,900.00	10,289.51	7,780.00	49.33	50.68	-65.24	2,234.99	-1,721.64	286.50	192.41	94.09	3.045		
10,500.00	7,900.00	10,389.51	7,780.00	50.50	51.75	-65.24	2,334.99	-1,721.29	286.50	190.12	96.38	2.973		
10,600.00	7,900.00	10,489.51	7,780.00	51.69	52.86	-65.24	2,434.99	-1,720.94	286.50	187.80	98.70	2.903		
10,700.00	7,900.00	10,589.51	7,780.00	52.91	53.99	-65.24	2,534.99	-1,720.58	286.50	185.45	101.05	2.835		
10,800.00	7,900.00	10,689.51	7,780.00	54.14	55.15	-65.24	2,634.99	-1,720.23	286.49	183.06	103.43	2.770		
10,900.00	7,900.00	10,789.51	7,780.00	55.39	56.33	-65.24	2,734.99	-1,719.87	286.49	180.65	105.84	2.707		
11,000.00	7,900.00	10,889.51	7,780.00	56.66	57.54	-65.24	2,834.99	-1,719.52	286.49	178.21	108.28	2.646		
11,100.00	7,900.00	10,989.51	7,780.00	57.95	58.77	-65.24	2,934.99	-1,719.16	286.49	175.75	110.74	2.587		
11,200.00	7,900.00	11,089.51	7,780.00	59.25	60.01	-65.24	3,034.99	-1,718.81	286.49	173.26	113.23	2.530		
11,300.00	7,900.00	11,189.51	7,780.00	60.56	61.27	-65.24	3,134.99	-1,718.46	286.49	170.76	115.73	2.475		
11,400.00	7,900.00	11,289.51	7,780.00	61.89	62.55	-65.24	3,234.99	-1,718.10	286.49	168.23	118.26	2.423		
11,500.00	7,900.00	11,389.51	7,780.00	63.23	63.85	-65.24	3,334.98	-1,717.75	286.49	165.68	120.80	2.372		
11,600.00	7,900.00	11,489.51	7,780.00	64.57	65.15	-65.24	3,434.98	-1,717.39	286.49	163.12	123.37	2.322		
11,700.00	7,900.00	11,589.51	7,780.00	65.93	66.47	-65.24	3,534.98	-1,717.04	286.49	160.54	125.95	2.275		
11,800.00	7,900.00	11,689.51	7,780.00	67.30	67.80	-65.24	3,634.98	-1,716.68	286.49	157.94	128.54	2.229		
11,900.00	7,900.00	11,789.51	7,780.00	68.68	69.15	-65.24	3,734.98	-1,716.33	286.48	155.33	131.15	2.184		
12,000.00	7,900.00	11,889.51	7,780.00	70.07	70.50	-65.24	3,834.98	-1,715.98	286.48	152.71	133.77	2.142		
12,100.00	7,900.00	11,989.51	7,780.00	71.46	71.86	-65.24	3,934.98	-1,715.62	286.48	150.07	136.41	2.100		
12,200.00	7,900.00	12,089.51	7,780.00	72.86	73.24	-65.24	4,034.98	-1,715.27	286.48	147.42	139.06	2.060		
12,300.00	7,900.00	12,189.51	7,780.00	74.27	74.62	-65.24	4,134.98	-1,714.91	286.48	144.76	141.72	2.021		
12,400.00	7,900.00	12,289.51	7,780.00	75.69	76.01	-65.24	4,234.98	-1,714.56	286.48	142.09	144.39	1.984		
12,500.00	7,900.00	12,389.51	7,780.00	77.11	77.40	-65.24	4,334.98	-1,714.21	286.48	139.40	147.07	1.948		
12,600.00	7,900.00	12,489.51	7,780.00	78.54	78.81	-65.24	4,434.98	-1,713.85	286.48	136.71	149.77	1.913		
12,700.00	7,900.00	12,589.51	7,780.00	79.97	80.22	-65.24	4,534.98	-1,713.50	286.48	134.01	152.47	1.879		
12,800.00	7,900.00	12,689.51	7,780.00	81.41	81.63	-65.24	4,634.98	-1,713.14	286.48	131.30	155.18	1.846		
12,900.00	7,900.00	12,789.51	7,780.00	82.85	83.06	-65.24	4,734.98	-1,712.79	286.48	128.58	157.89	1.814		
13,000.00	7,900.00	12,889.51	7,780.00	84.30	84.48	-65.24	4,834.97	-1,712.43	286.47	125.85	160.62	1.784		
13,100.00	7,900.00	12,989.51	7,780.00	85.76	85.92	-65.24	4,934.97	-1,712.08	286.47	123.12	163.35	1.754		
13,200.00	7,900.00	13,089.51	7,780.00	87.22	87.36	-65.24	5,034.97	-1,711.73	286.47	120.38	166.09	1.725		
13,300.00	7,900.00	13,189.51	7,780.00	88.68	88.80	-65.24	5,134.97	-1,711.37	286.47	117.63	168.84	1.697		
13,400.00	7,900.00	13,289.51	7,780.00	90.14	90.25	-65.24	5,234.97	-1,711.02	286.47	114.88	171.59	1.669		
13,500.00	7,900.00	13,389.51	7,780.00	91.61	91.70	-65.24	5,334.97	-1,710.66	286.47	112.12	174.35	1.643		
13,600.00	7,900.00	13,489.51	7,780.00	93.09	93.16	-65.24	5,434.97	-1,710.31	286.47	109.35	177.12	1.617		
13,700.00	7,900.00	13,589.51	7,780.00	94.56	94.62	-65.24	5,534.97	-1,709.95	286.47	106.58	179.89	1.592		
13,800.00	7,900.00	13,689.51	7,780.00	96.04	96.09	-65.24	5,634.97	-1,709.60	286.47	103.80	182.67	1.568		
13,900.00	7,900.00	13,789.51	7,780.00	97.53	97.55	-65.23	5,734.97	-1,709.25	286.47	101.02	185.45	1.545		
14,000.00	7,900.00	13,889.51	7,780.00	99.01	99.03	-65.23	5,834.97	-1,708.89	286.47	98.23	188.24	1.522		
14,100.00	7,900.00	13,989.51	7,780.00	100.50	100.50	-65.23	5,934.97	-1,708.54	286.46	95.44	191.03	1.500 Level 3		
14,200.00	7,900.00	14,089.51	7,780.00	101.99	101.98	-65.23	6,034.97	-1,708.18	286.46	92.64	193.82	1.478 Level 3		
14,300.00	7,900.00	14,189.51	7,780.00	103.49	103.46	-65.23	6,134.97	-1,707.83	286.46	89.84	196.62	1.457 Level 3		
14,400.00	7,900.00	14,289.51	7,780.00	104.98	104.95	-65.23	6,234.97	-1,707.47	286.46	87.03	199.43	1.436 Level 3		
14,500.00	7,900.00	14,389.51	7,780.00	106.48	106.43	-65.23	6,334.97	-1,707.12	286.46	84.22	202.24	1.416 Level 3		
14,600.00	7,900.00	14,489.51	7,780.00	107.98	107.92	-65.23	6,434.96	-1,706.77	286.46	81.41	205.05	1.397 Level 3		
14,700.00	7,900.00	14,589.51	7,780.00	109.49	109.42	-65.23	6,534.96	-1,706.41	286.46	78.59	207.86	1.378 Level 3		
14,800.00	7,900.00	14,689.51	7,780.00	110.99	110.91	-65.23	6,634.96	-1,706.06	286.46	75.77	210.68	1.360 Level 3		
14,900.00	7,900.00	14,789.51	7,780.00	112.50	112.41	-65.23	6,734.96	-1,705.70	286.46	72.95	213.51	1.342 Level 3		
15,000.00	7,900.00	14,889.51	7,780.00	114.01	113.91	-65.23	6,834.96	-1,705.35	286.46	70.12	216.33	1.324 Level 3		
15,100.00	7,900.00	14,989.51	7,780.00	115.52	115.41	-65.23	6,934.96	-1,704.99	286.46	67.30	219.16	1.307 Level 3		
15,200.00	7,900.00	15,089.51	7,780.00	117.04	116.91	-65.23	7,034.96	-1,704.64	286.45	64.46	221.99	1.290 Level 3		
15,300.00	7,900.00	15,189.51	7,780.00	118.55	118.42	-65.23	7,134.96	-1,704.29	286.45	61.63	224.83	1.274 Level 3		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4F-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	15,289.51	7,780.00	120.07	119.92	-65.23	7,234.96	-1,703.93	286.45	58.79	227.66	1.258	Level 3	
15,500.00	7,900.00	15,389.51	7,780.00	121.59	121.43	-65.23	7,334.96	-1,703.58	286.45	55.95	230.50	1.243	Level 2	
15,600.00	7,900.00	15,489.51	7,780.00	123.11	122.94	-65.23	7,434.96	-1,703.22	286.45	53.11	233.35	1.228	Level 2	
15,700.00	7,900.00	15,589.51	7,780.00	124.63	124.46	-65.23	7,534.96	-1,702.87	286.45	50.26	236.19	1.213	Level 2	
15,800.00	7,900.00	15,689.51	7,780.00	126.15	125.97	-65.23	7,634.96	-1,702.51	286.45	47.41	239.04	1.198	Level 2	
15,900.00	7,900.00	15,789.51	7,780.00	127.67	127.49	-65.23	7,734.96	-1,702.16	286.45	44.56	241.89	1.184	Level 2	
16,000.00	7,900.00	15,889.51	7,780.00	129.20	129.00	-65.23	7,834.96	-1,701.81	286.45	41.71	244.74	1.170	Level 2	
16,100.00	7,900.00	15,989.51	7,780.00	130.73	130.52	-65.23	7,934.96	-1,701.45	286.45	38.85	247.59	1.157	Level 2	
16,200.00	7,900.00	16,089.51	7,780.00	132.25	132.04	-65.23	8,034.95	-1,701.10	286.44	36.00	250.45	1.144	Level 2	
16,300.00	7,900.00	16,189.51	7,780.00	133.78	133.57	-65.23	8,134.95	-1,700.74	286.44	33.14	253.31	1.131	Level 2	
16,400.00	7,900.00	16,289.51	7,780.00	135.31	135.09	-65.23	8,234.95	-1,700.39	286.44	30.28	256.17	1.118	Level 2	
16,500.00	7,900.00	16,389.51	7,780.00	136.84	136.61	-65.23	8,334.95	-1,700.03	286.44	27.41	259.03	1.106	Level 2	
16,600.00	7,900.00	16,489.51	7,780.00	138.38	138.14	-65.23	8,434.95	-1,699.68	286.44	24.55	261.89	1.094	Level 2	
16,700.00	7,900.00	16,589.51	7,780.00	139.91	139.67	-65.23	8,534.95	-1,699.33	286.44	21.68	264.76	1.082	Level 2	
16,800.00	7,900.00	16,689.51	7,780.00	141.44	141.19	-65.23	8,634.95	-1,698.97	286.44	18.82	267.62	1.070	Level 2	
16,900.00	7,900.00	16,789.51	7,780.00	142.98	142.72	-65.23	8,734.95	-1,698.62	286.44	15.95	270.49	1.059	Level 2	
17,000.00	7,900.00	16,889.51	7,780.00	144.52	144.25	-65.23	8,834.95	-1,698.26	286.44	13.08	273.36	1.048	Level 2	
17,100.00	7,900.00	16,989.51	7,780.00	146.05	145.78	-65.23	8,934.95	-1,697.91	286.44	10.20	276.23	1.037	Level 2	
17,200.00	7,900.00	17,089.51	7,780.00	147.59	147.32	-65.23	9,034.95	-1,697.55	286.44	7.33	279.11	1.026	Level 2	
17,300.00	7,900.00	17,189.51	7,780.00	149.13	148.85	-65.23	9,134.95	-1,697.20	286.43	4.46	281.98	1.016	Level 2	
17,400.00	7,900.00	17,289.51	7,780.00	150.67	150.38	-65.23	9,234.95	-1,696.85	286.43	1.58	284.86	1.006	Level 2	
17,500.00	7,900.00	17,389.51	7,780.00	152.21	151.92	-65.23	9,334.95	-1,696.49	286.43	-1.30	287.73	0.995	Level 1	
17,600.00	7,900.00	17,489.51	7,780.00	153.75	153.45	-65.23	9,434.95	-1,696.14	286.43	-4.18	290.61	0.986	Level 1	
17,700.00	7,900.00	17,589.51	7,780.00	155.29	154.99	-65.23	9,534.95	-1,695.78	286.43	-7.06	293.49	0.976	Level 1	
17,800.00	7,900.00	17,689.51	7,780.00	156.84	156.53	-65.23	9,634.94	-1,695.43	286.43	-9.94	296.37	0.966	Level 1	
17,900.00	7,900.00	17,789.51	7,780.00	158.38	158.07	-65.23	9,734.94	-1,695.07	286.43	-12.82	299.25	0.957	Level 1	
17,925.75	7,900.00	17,815.26	7,780.00	158.78	158.46	-65.23	9,760.69	-1,694.98	286.43	-13.57	300.00	0.955	Level 1	
17,930.78	7,900.00	17,814.28	7,780.00	158.86	158.45	-65.23	9,759.72	-1,694.99	286.49	-14.22	300.71	0.953	Level 1, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4G-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.00	10.20					
100.00	100.00	100.00	100.00	0.14	0.14	0.00	10.20	0.00	10.20	9.92	0.28	36.952		
200.00	200.00	200.00	200.00	0.50	0.50	0.00	10.20	0.00	10.20	9.21	0.99	10.272		
300.00	300.00	300.00	300.00	0.85	0.85	0.00	10.20	0.00	10.20	8.49	1.71	5.965		
400.00	400.00	400.00	400.00	1.21	1.21	0.00	10.20	0.00	10.20	7.77	2.43	4.203		
500.00	500.00	500.00	500.00	1.57	1.57	0.00	10.20	0.00	10.20	7.06	3.14	3.244		
600.00	600.00	600.00	600.00	1.93	1.93	0.00	10.20	0.00	10.20	6.34	3.86	2.642		
700.00	700.00	700.00	700.00	2.29	2.29	0.00	10.20	0.00	10.20	5.62	4.58	2.228 CC		
800.00	799.98	799.98	799.98	2.64	2.65	113.06	10.20	0.00	10.76	5.47	5.28	2.035 ES		
900.00	899.84	900.10	900.08	2.98	3.00	127.58	9.89	-1.72	12.63	6.66	5.98	2.114		
1,000.00	999.45	1,000.35	1,000.19	3.33	3.34	137.23	8.95	-6.89	15.25	8.59	6.66	2.289		
1,100.00	1,098.70	1,100.71	1,100.16	3.70	3.69	143.33	7.39	-15.52	18.31	10.95	7.36	2.489		
1,200.00	1,197.47	1,201.20	1,199.89	4.08	4.06	147.13	5.20	-27.60	21.63	13.57	8.05	2.686		
1,300.00	1,295.62	1,301.80	1,299.24	4.47	4.44	149.44	2.38	-43.13	25.12	16.36	8.76	2.869		
1,400.00	1,393.06	1,402.53	1,398.09	4.90	4.84	150.77	-1.05	-62.12	28.74	19.27	9.47	3.035		
1,500.00	1,489.64	1,503.36	1,496.32	5.36	5.26	151.43	-5.12	-84.54	32.46	22.26	10.20	3.183		
1,600.00	1,585.63	1,604.34	1,593.81	5.85	5.72	150.68	-9.80	-110.38	35.18	24.22	10.96	3.211		
1,700.00	1,681.60	1,705.33	1,690.34	6.35	6.22	146.85	-15.09	-139.59	35.06	23.26	11.80	2.972		
1,800.00	1,777.57	1,805.29	1,785.31	6.87	6.74	140.98	-20.65	-170.27	33.69	20.90	12.79	2.634		
1,900.00	1,873.55	1,905.22	1,880.25	7.40	7.29	134.68	-26.21	-200.95	32.69	18.81	13.88	2.355		
2,000.00	1,969.52	2,005.15	1,975.20	7.94	7.84	128.07	-31.77	-231.62	32.11	17.06	15.06	2.133		
2,080.74	2,047.01	2,085.83	2,051.85	8.38	8.30	122.62	-36.25	-256.39	31.97	15.90	16.06	1.990		
2,100.00	2,065.49	2,105.08	2,070.14	8.48	8.41	121.31	-37.32	-262.30	31.98	15.67	16.31	1.961		
2,200.00	2,161.47	2,205.01	2,165.08	9.03	8.99	114.59	-42.88	-292.97	32.29	14.68	17.60	1.834		
2,300.00	2,257.44	2,304.94	2,260.02	9.58	9.58	108.08	-48.44	-323.65	33.03	14.12	18.91	1.747		
2,400.00	2,353.41	2,404.86	2,354.96	10.14	10.18	101.94	-53.99	-354.32	34.17	13.98	20.19	1.692		
2,500.00	2,449.39	2,504.79	2,449.90	10.70	10.78	96.25	-59.55	-384.99	35.69	14.25	21.44	1.664		
2,600.00	2,545.36	2,604.72	2,544.84	11.27	11.38	91.07	-65.11	-415.67	37.52	14.88	22.64	1.657 SF		
2,700.00	2,641.33	2,704.65	2,639.79	11.83	11.99	86.41	-70.67	-446.34	39.63	15.84	23.79	1.666		
2,800.00	2,737.31	2,804.58	2,734.73	12.40	12.60	82.24	-76.22	-477.02	41.98	17.08	24.90	1.686		
2,900.00	2,833.28	2,904.51	2,829.67	12.97	13.21	78.53	-81.78	-507.69	44.52	18.55	25.97	1.714		
3,000.00	2,929.25	3,004.43	2,924.61	13.54	13.83	75.23	-87.34	-538.36	47.23	20.23	27.01	1.749		
3,100.00	3,025.23	3,104.36	3,019.55	14.11	14.45	72.30	-92.90	-569.04	50.08	22.06	28.02	1.787		
3,200.00	3,121.20	3,204.29	3,114.49	14.69	15.07	69.70	-98.45	-599.71	53.05	24.03	29.02	1.828		
3,300.00	3,217.17	3,304.22	3,209.44	15.26	15.69	67.37	-104.01	-630.39	56.12	26.12	30.00	1.871		
3,400.00	3,313.15	3,404.15	3,304.38	15.84	16.32	65.28	-109.57	-661.06	59.26	28.30	30.96	1.914		
3,500.00	3,409.12	3,504.08	3,399.32	16.42	16.94	63.41	-115.13	-691.73	62.48	30.56	31.92	1.957		
3,600.00	3,505.09	3,604.01	3,494.26	16.99	17.57	61.72	-120.68	-722.41	65.76	32.88	32.88	2.000		
3,700.00	3,601.07	3,703.93	3,589.20	17.57	18.20	60.20	-126.24	-753.08	69.09	35.26	33.83	2.043		
3,800.00	3,697.04	3,803.86	3,684.14	18.15	18.83	58.81	-131.80	-783.76	72.46	37.69	34.77	2.084		
3,900.00	3,793.01	3,903.79	3,779.09	18.73	19.46	57.55	-137.36	-814.43	75.88	40.16	35.71	2.125		
4,000.00	3,888.99	4,003.72	3,874.03	19.31	20.09	56.40	-142.91	-845.10	79.32	42.67	36.66	2.164		
4,100.00	3,984.96	4,103.65	3,968.97	19.89	20.72	55.35	-148.47	-875.78	82.80	45.20	37.60	2.202		
4,200.00	4,080.93	4,203.58	4,063.91	20.47	21.35	54.37	-154.03	-906.45	86.30	47.76	38.54	2.239		
4,300.00	4,176.91	4,303.50	4,158.85	21.05	21.98	53.48	-159.59	-937.13	89.83	50.35	39.48	2.275		
4,400.00	4,272.88	4,403.43	4,253.79	21.63	22.61	52.65	-165.14	-967.80	93.37	52.95	40.42	2.310		
4,500.00	4,368.85	4,503.36	4,348.74	22.21	23.25	51.89	-170.70	-998.47	96.93	55.58	41.36	2.344		
4,600.00	4,464.83	4,603.29	4,443.68	22.80	23.88	51.18	-176.26	-1,029.15	100.51	58.21	42.30	2.376		
4,700.00	4,560.80	4,703.22	4,538.62	23.38	24.51	50.51	-181.82	-1,059.82	104.10	60.87	43.24	2.408		
4,800.00	4,656.77	4,803.15	4,633.56	23.96	25.15	49.90	-187.37	-1,090.50	107.71	63.53	44.18	2.438		
4,900.00	4,752.75	4,903.08	4,728.50	24.54	25.78	49.32	-192.93	-1,121.17	111.33	66.21	45.12	2.467		
5,000.00	4,848.72	5,003.00	4,823.44	25.13	26.42	48.78	-198.49	-1,151.85	114.96	68.89	46.06	2.496		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4G-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis		
5,100.00	4,944.69	5,102.93	4,918.38	25.71	27.05	48.27	-204.05	-1,182.52	118.59	71.59	47.00	2.523	
5,200.00	5,040.67	5,202.86	5,013.33	26.29	27.69	47.79	-209.60	-1,213.19	122.24	74.29	47.95	2.550	
5,300.00	5,136.64	5,302.79	5,108.27	26.88	28.33	47.34	-215.16	-1,243.87	125.90	77.01	48.89	2.575	
5,400.00	5,232.61	5,402.72	5,203.21	27.46	28.96	46.91	-220.72	-1,274.54	129.56	79.72	49.83	2.600	
5,500.00	5,328.59	5,502.65	5,298.15	28.05	29.60	46.51	-226.28	-1,305.22	133.23	82.45	50.78	2.624	
5,600.00	5,424.56	5,602.57	5,393.09	28.63	30.24	46.13	-231.83	-1,335.89	136.90	85.18	51.72	2.647	
5,700.00	5,520.53	5,702.50	5,488.03	29.21	30.87	45.77	-237.39	-1,366.56	140.58	87.91	52.67	2.669	
5,800.00	5,616.51	5,802.43	5,582.98	29.80	31.51	45.43	-242.95	-1,397.24	144.27	90.65	53.62	2.691	
5,900.00	5,712.48	5,905.37	5,681.10	30.38	32.15	45.37	-248.49	-1,427.83	147.19	92.51	54.68	2.692	
6,000.00	5,808.45	6,009.31	5,781.23	30.97	32.74	46.26	-253.46	-1,455.28	147.50	91.53	55.97	2.635	
6,100.00	5,904.43	6,113.02	5,882.07	31.55	33.27	48.15	-257.78	-1,479.09	145.25	87.76	57.50	2.526	
6,200.00	6,000.96	6,216.43	5,983.42	32.11	33.75	50.48	-261.43	-1,499.24	141.99	82.90	59.10	2.403	
6,300.00	6,098.34	6,319.59	6,085.21	32.62	34.18	52.89	-264.42	-1,515.75	138.73	78.09	60.64	2.288	
6,400.00	6,196.46	6,422.51	6,187.28	33.08	34.57	55.39	-266.75	-1,528.60	135.47	73.36	62.11	2.181	
6,500.00	6,295.19	6,525.17	6,289.51	33.50	34.90	57.97	-268.42	-1,537.83	132.23	68.72	63.51	2.082	
6,600.00	6,394.41	6,627.57	6,391.75	33.87	35.20	60.66	-269.44	-1,543.44	129.03	64.19	64.84	1.990	
6,700.00	6,494.01	6,729.72	6,493.87	34.21	35.46	63.45	-269.80	-1,545.44	125.88	59.79	66.09	1.905	
6,800.00	6,593.86	6,829.71	6,593.86	34.51	35.69	65.67	-269.80	-1,545.45	123.54	56.37	67.17	1.839	
6,900.00	6,693.83	6,929.68	6,693.83	34.77	35.92	66.48	-269.80	-1,545.45	122.74	54.89	67.86	1.809	
6,976.03	6,769.86	7,005.71	6,769.86	34.95	36.09	66.53	-269.80	-1,545.45	122.70	54.47	68.23	1.798	
7,000.00	6,793.83	7,029.68	6,793.83	35.01	36.15	-37.53	-269.80	-1,545.45	122.74	54.40	68.34	1.796	
7,012.95	6,806.78	7,042.63	6,806.78	35.04	36.18	-37.53	-269.80	-1,545.45	122.74	54.34	68.40	1.794	
7,100.00	6,893.83	7,128.50	6,892.65	35.25	36.38	-37.51	-269.75	-1,545.45	122.79	53.93	68.86	1.783	
7,200.00	6,993.83	7,216.15	6,980.01	35.49	36.58	-35.70	-263.31	-1,545.29	128.60	58.93	69.67	1.846	
7,300.00	7,093.83	7,301.00	7,063.21	35.73	36.75	-31.70	-246.97	-1,544.89	144.52	74.47	70.05	2.063	
7,400.00	7,193.83	7,380.98	7,139.37	35.98	36.89	-27.09	-222.66	-1,544.30	170.99	101.58	69.41	2.463	
7,500.00	7,293.40	7,457.38	7,209.15	36.21	37.01	-22.46	-191.66	-1,543.54	200.79	133.11	67.68	2.967	
7,600.00	7,390.83	7,532.00	7,273.75	36.41	37.11	-19.26	-154.37	-1,542.63	228.25	163.10	65.14	3.504	
7,700.00	7,484.24	7,605.20	7,333.00	36.58	37.18	-16.97	-111.47	-1,541.58	252.76	190.70	62.06	4.073	
7,800.00	7,571.80	7,677.24	7,386.74	36.72	37.24	-15.28	-63.56	-1,540.41	273.92	215.32	58.60	4.675	
7,900.00	7,651.80	7,750.00	7,435.86	36.81	37.28	-14.00	-9.93	-1,539.10	291.44	236.33	55.12	5.288	
8,000.00	7,722.70	7,818.82	7,477.09	36.86	37.30	-13.07	45.12	-1,537.76	305.11	254.01	51.10	5.971	
8,100.00	7,783.11	7,888.76	7,513.38	36.88	37.31	-12.38	104.86	-1,536.30	314.80	267.43	47.37	6.646	
8,200.00	7,831.85	7,958.39	7,543.55	36.87	37.31	-11.89	167.57	-1,534.77	320.39	276.46	43.92	7.294	
8,300.00	7,867.98	8,027.86	7,567.44	36.85	37.31	-11.58	232.75	-1,533.18	321.82	280.84	40.98	7.853	
8,400.00	7,890.79	8,100.00	7,585.44	36.83	37.31	-11.43	302.55	-1,531.47	319.09	280.08	39.01	8.179	
8,500.00	7,899.84	8,166.99	7,595.79	36.82	37.31	-11.46	368.70	-1,529.86	312.16	274.48	37.68	8.284	
8,600.00	7,900.00	8,237.16	7,599.96	36.85	37.33	-11.37	438.69	-1,528.15	306.07	268.39	37.68	8.123	
8,700.00	7,900.00	8,334.00	7,600.00	36.94	37.38	-11.00	535.50	-1,525.78	305.61	267.27	38.35	7.970	
8,800.00	7,900.00	8,433.98	7,600.00	37.08	37.48	-10.61	635.45	-1,523.34	305.22	266.15	39.07	7.812	
8,900.00	7,900.00	8,533.96	7,600.00	37.29	37.64	-10.23	735.40	-1,520.90	304.84	265.01	39.83	7.653	
9,000.00	7,900.00	8,633.93	7,600.00	37.59	37.86	-9.84	835.35	-1,518.46	304.48	263.85	40.63	7.493	
9,100.00	7,900.00	8,733.91	7,600.00	37.97	38.15	-9.45	935.30	-1,516.02	304.13	262.66	41.47	7.334	
9,200.00	7,900.00	8,833.89	7,600.00	38.44	38.51	-9.06	1,035.25	-1,513.58	303.79	261.46	42.34	7.176	
9,300.00	7,900.00	8,933.87	7,600.00	39.00	38.96	-8.67	1,135.19	-1,511.14	303.47	260.24	43.23	7.020	
9,400.00	7,900.00	9,033.85	7,600.00	39.65	39.49	-8.28	1,235.14	-1,508.70	303.16	259.01	44.16	6.866	
9,500.00	7,900.00	9,133.83	7,600.00	40.38	40.10	-7.89	1,335.09	-1,506.26	302.87	257.77	45.10	6.715	
9,600.00	7,900.00	9,233.80	7,600.00	41.18	40.79	-7.50	1,435.04	-1,503.82	302.59	256.52	46.07	6.568	
9,700.00	7,900.00	9,333.78	7,600.00	42.04	41.55	-7.11	1,534.99	-1,501.37	302.32	255.26	47.06	6.424	
9,800.00	7,900.00	9,433.76	7,600.00	42.96	42.38	-6.72	1,634.94	-1,498.93	302.07	254.00	48.07	6.284	
9,900.00	7,900.00	9,533.74	7,600.00	43.93	43.26	-6.32	1,734.88	-1,496.49	301.84	252.74	49.10	6.147	
10,000.00	7,900.00	9,633.72	7,600.00	44.94	44.20	-5.93	1,834.83	-1,494.05	301.61	251.47	50.14	6.015	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4G-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
10,100.00	7,900.00	9,733.69	7,600.00	45.99	45.18	-5.53	1,934.78	-1,491.61	301.41	250.20	51.20	5.886		
10,200.00	7,900.00	9,833.67	7,600.00	47.07	46.20	-5.14	2,034.73	-1,489.17	301.21	248.93	52.28	5.762		
10,300.00	7,900.00	9,933.65	7,600.00	48.19	47.27	-4.74	2,134.68	-1,486.73	301.03	247.66	53.37	5.641		
10,400.00	7,900.00	10,033.63	7,600.00	49.33	48.36	-4.35	2,234.63	-1,484.29	300.87	246.39	54.47	5.523		
10,500.00	7,900.00	10,133.61	7,600.00	50.50	49.48	-3.95	2,334.57	-1,481.85	300.71	245.13	55.59	5.410		
10,600.00	7,900.00	10,233.43	7,600.00	51.69	50.64	-3.57	2,434.37	-1,479.51	300.58	243.86	56.73	5.299		
10,635.89	7,900.00	10,269.08	7,600.00	52.13	51.06	-3.53	2,470.02	-1,479.16	300.57	243.37	57.20	5.255		
10,700.00	7,900.00	10,333.05	7,600.00	52.91	51.83	-3.61	2,533.99	-1,479.35	300.60	242.47	58.12	5.172		
10,800.00	7,900.00	10,433.05	7,600.00	54.14	53.06	-3.76	2,633.98	-1,479.77	300.65	241.05	59.60	5.045		
10,900.00	7,900.00	10,533.04	7,600.00	55.39	54.31	-3.90	2,733.98	-1,480.19	300.70	239.62	61.08	4.923		
11,000.00	7,900.00	10,633.04	7,600.00	56.66	55.58	-4.05	2,833.98	-1,480.62	300.75	238.18	62.57	4.807		
11,100.00	7,900.00	10,733.04	7,600.00	57.95	56.86	-4.20	2,933.97	-1,481.04	300.81	236.73	64.07	4.695		
11,200.00	7,900.00	10,833.04	7,600.00	59.25	58.16	-4.35	3,033.97	-1,481.46	300.87	235.28	65.58	4.587		
11,300.00	7,900.00	10,933.03	7,600.00	60.56	59.48	-4.49	3,133.96	-1,481.89	300.92	233.82	67.11	4.484		
11,400.00	7,900.00	11,033.03	7,600.00	61.89	60.81	-4.64	3,233.96	-1,482.31	300.99	232.35	68.64	4.385		
11,500.00	7,900.00	11,133.03	7,600.00	63.23	62.15	-4.79	3,333.96	-1,482.73	301.05	230.88	70.17	4.290		
11,600.00	7,900.00	11,233.02	7,600.00	64.57	63.50	-4.93	3,433.95	-1,483.15	301.12	229.39	71.72	4.198		
11,700.00	7,900.00	11,333.02	7,600.00	65.93	64.86	-5.08	3,533.95	-1,483.58	301.18	227.91	73.28	4.110		
11,800.00	7,900.00	11,433.02	7,600.00	67.30	66.23	-5.23	3,633.94	-1,484.00	301.25	226.41	74.84	4.025		
11,900.00	7,900.00	11,533.01	7,600.00	68.68	67.62	-5.38	3,733.94	-1,484.42	301.33	224.92	76.41	3.944		
12,000.00	7,900.00	11,633.01	7,600.00	70.07	69.01	-5.52	3,833.94	-1,484.85	301.40	223.41	77.99	3.865		
12,100.00	7,900.00	11,733.01	7,600.00	71.46	70.41	-5.67	3,933.93	-1,485.27	301.47	221.90	79.57	3.789		
12,200.00	7,900.00	11,833.00	7,600.00	72.86	71.81	-5.82	4,033.93	-1,485.69	301.55	220.39	81.16	3.715		
12,300.00	7,900.00	11,933.00	7,600.00	74.27	73.23	-5.96	4,133.93	-1,486.11	301.63	218.87	82.76	3.645		
12,400.00	7,900.00	12,033.00	7,600.00	75.69	74.65	-6.11	4,233.92	-1,486.54	301.71	217.35	84.37	3.576		
12,500.00	7,900.00	12,133.00	7,600.00	77.11	76.08	-6.26	4,333.92	-1,486.96	301.80	215.82	85.98	3.510		
12,600.00	7,900.00	12,232.99	7,600.00	78.54	77.51	-6.40	4,433.91	-1,487.38	301.88	214.29	87.59	3.446		
12,700.00	7,900.00	12,332.99	7,600.00	79.97	78.95	-6.55	4,533.91	-1,487.81	301.97	212.75	89.22	3.385		
12,800.00	7,900.00	12,432.99	7,600.00	81.41	80.40	-6.70	4,633.91	-1,488.23	302.06	211.21	90.85	3.325		
12,900.00	7,900.00	12,532.98	7,600.00	82.85	81.85	-6.84	4,733.90	-1,488.65	302.15	209.67	92.49	3.267		
13,000.00	7,900.00	12,632.98	7,600.00	84.30	83.30	-6.99	4,833.90	-1,489.07	302.24	208.12	94.13	3.211		
13,100.00	7,900.00	12,732.98	7,600.00	85.76	84.76	-7.13	4,933.89	-1,489.50	302.34	206.56	95.78	3.157		
13,200.00	7,900.00	12,832.97	7,600.00	87.22	86.23	-7.28	5,033.89	-1,489.92	302.44	205.00	97.43	3.104		
13,300.00	7,900.00	12,932.97	7,600.00	88.68	87.69	-7.43	5,133.89	-1,490.34	302.54	203.44	99.09	3.053		
13,400.00	7,900.00	13,032.97	7,600.00	90.14	89.17	-7.57	5,233.88	-1,490.77	302.64	201.88	100.76	3.003		
13,500.00	7,900.00	13,132.97	7,600.00	91.61	90.64	-7.72	5,333.88	-1,491.19	302.74	200.31	102.44	2.955		
13,600.00	7,900.00	13,232.96	7,600.00	93.09	92.12	-7.86	5,433.87	-1,491.61	302.85	198.73	104.11	2.909		
13,700.00	7,900.00	13,332.96	7,600.00	94.56	93.61	-8.01	5,533.87	-1,492.03	302.95	197.15	105.80	2.863		
13,800.00	7,900.00	13,432.96	7,600.00	96.04	95.09	-8.15	5,633.87	-1,492.46	303.06	195.57	107.49	2.819		
13,900.00	7,900.00	13,532.95	7,600.00	97.53	96.58	-8.30	5,733.86	-1,492.88	303.17	193.99	109.19	2.777		
14,000.00	7,900.00	13,632.95	7,600.00	99.01	98.08	-8.44	5,833.86	-1,493.30	303.29	192.40	110.89	2.735		
14,100.00	7,900.00	13,732.95	7,600.00	100.50	99.57	-8.59	5,933.85	-1,493.73	303.40	190.80	112.60	2.695		
14,200.00	7,900.00	13,832.94	7,600.00	101.99	101.07	-8.73	6,033.85	-1,494.15	303.52	189.21	114.31	2.655		
14,300.00	7,900.00	13,932.94	7,600.00	103.49	102.57	-8.88	6,133.85	-1,494.57	303.64	187.60	116.03	2.617		
14,400.00	7,900.00	14,032.94	7,600.00	104.98	104.07	-9.02	6,233.84	-1,494.99	303.76	186.00	117.76	2.579		
14,500.00	7,900.00	14,132.94	7,600.00	106.48	105.58	-9.17	6,333.84	-1,495.42	303.88	184.39	119.49	2.543		
14,600.00	7,900.00	14,232.93	7,600.00	107.98	107.09	-9.31	6,433.84	-1,495.84	304.01	182.77	121.23	2.508		
14,700.00	7,900.00	14,332.93	7,600.00	109.49	108.60	-9.46	6,533.83	-1,496.26	304.13	181.16	122.98	2.473		
14,800.00	7,900.00	14,432.93	7,600.00	110.99	110.11	-9.60	6,633.83	-1,496.69	304.26	179.54	124.73	2.439		
14,900.00	7,900.00	14,532.92	7,600.00	112.50	111.62	-9.74	6,733.82	-1,497.11	304.39	177.91	126.48	2.407		
15,000.00	7,900.00	14,632.92	7,600.00	114.01	113.14	-9.89	6,833.82	-1,497.53	304.52	176.28	128.24	2.375		
15,100.00	7,900.00	14,732.92	7,600.00	115.52	114.66	-10.03	6,933.82	-1,497.96	304.66	174.65	130.01	2.343		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4G-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
15,200.00	7,900.00	14,832.91	7,600.00	117.04	116.18	-10.17	7,033.81	-1,498.38	304.79	173.01	131.79	2.313		
15,300.00	7,900.00	14,932.91	7,600.00	118.55	117.70	-10.32	7,133.81	-1,498.80	304.93	171.37	133.57	2.283		
15,400.00	7,900.00	15,032.91	7,600.00	120.07	119.22	-10.46	7,233.80	-1,499.22	305.07	169.72	135.35	2.254		
15,500.00	7,900.00	15,132.91	7,600.00	121.59	120.75	-10.61	7,333.80	-1,499.65	305.21	168.07	137.14	2.225		
15,600.00	7,900.00	15,232.90	7,600.00	123.11	122.27	-10.75	7,433.80	-1,500.07	305.36	166.41	138.94	2.198		
15,700.00	7,900.00	15,332.90	7,600.00	124.63	123.80	-10.89	7,533.79	-1,500.49	305.50	164.76	140.75	2.171		
15,800.00	7,900.00	15,432.90	7,600.00	126.15	125.33	-11.03	7,633.79	-1,500.92	305.65	163.09	142.56	2.144		
15,900.00	7,900.00	15,532.89	7,600.00	127.67	126.86	-11.18	7,733.78	-1,501.34	305.80	161.43	144.38	2.118		
16,000.00	7,900.00	15,632.89	7,600.00	129.20	128.39	-11.32	7,833.78	-1,501.76	305.95	159.75	146.20	2.093		
16,100.00	7,900.00	15,732.89	7,600.00	130.73	129.93	-11.46	7,933.78	-1,502.18	306.11	158.08	148.03	2.068		
16,200.00	7,900.00	15,832.88	7,600.00	132.25	131.46	-11.60	8,033.77	-1,502.61	306.26	156.40	149.86	2.044		
16,300.00	7,900.00	15,932.88	7,600.00	133.78	133.00	-11.75	8,133.77	-1,503.03	306.42	154.71	151.70	2.020		
16,400.00	7,900.00	16,032.88	7,600.00	135.31	134.53	-11.89	8,233.77	-1,503.45	306.58	153.02	153.55	1.997		
16,500.00	7,900.00	16,132.88	7,600.00	136.84	136.07	-12.03	8,333.76	-1,503.88	306.74	151.33	155.41	1.974		
16,600.00	7,900.00	16,232.87	7,600.00	138.38	137.61	-12.17	8,433.76	-1,504.30	306.90	149.63	157.27	1.951		
16,700.00	7,900.00	16,332.87	7,600.00	139.91	139.15	-12.31	8,533.75	-1,504.72	307.06	147.93	159.13	1.930		
16,800.00	7,900.00	16,432.87	7,600.00	141.44	140.69	-12.45	8,633.75	-1,505.14	307.23	146.22	161.01	1.908		
16,900.00	7,900.00	16,532.86	7,600.00	142.98	142.23	-12.60	8,733.75	-1,505.57	307.40	144.51	162.89	1.887		
17,000.00	7,900.00	16,632.86	7,600.00	144.52	143.78	-12.74	8,833.74	-1,505.99	307.57	142.80	164.77	1.867		
17,100.00	7,900.00	16,732.86	7,600.00	146.05	145.32	-12.88	8,933.74	-1,506.41	307.74	141.08	166.67	1.846		
17,200.00	7,900.00	16,832.85	7,600.00	147.59	146.87	-13.02	9,033.73	-1,506.84	307.92	139.35	168.56	1.827		
17,300.00	7,900.00	16,932.85	7,600.00	149.13	148.41	-13.16	9,133.73	-1,507.26	308.09	137.62	170.47	1.807		
17,400.00	7,900.00	17,032.85	7,600.00	150.67	149.96	-13.30	9,233.73	-1,507.68	308.27	135.89	172.38	1.788		
17,500.00	7,900.00	17,132.85	7,600.00	152.21	151.51	-13.44	9,333.72	-1,508.10	308.45	134.15	174.30	1.770		
17,600.00	7,900.00	17,232.84	7,600.00	153.75	153.05	-13.58	9,433.72	-1,508.53	308.63	132.40	176.23	1.751		
17,700.00	7,900.00	17,332.84	7,600.00	155.29	154.60	-13.72	9,533.71	-1,508.95	308.81	130.66	178.16	1.733		
17,800.00	7,900.00	17,432.84	7,600.00	156.84	156.15	-13.86	9,633.71	-1,509.37	309.00	128.90	180.09	1.716		
17,900.00	7,900.00	17,532.83	7,600.00	158.38	157.70	-14.00	9,733.71	-1,509.80	309.18	127.15	182.04	1.698		
17,930.78	7,900.00	17,563.61	7,600.00	158.86	158.18	-14.04	9,764.48	-1,509.93	309.24	126.60	182.64	1.693		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4I-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: O-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-178.37	-9.84	-0.28	9.84					
100.00	100.00	100.00	100.00	0.14	0.14	-178.37	-9.84	-0.28	9.84	9.57	0.28	35.662		
200.00	200.00	200.00	200.00	0.50	0.50	-178.37	-9.84	-0.28	9.84	8.85	0.99	9.913		
300.00	300.00	300.00	300.00	0.85	0.85	-178.37	-9.84	-0.28	9.84	8.13	1.71	5.757		
400.00	400.00	400.00	400.00	1.21	1.21	-178.37	-9.84	-0.28	9.84	7.42	2.43	4.056 CC		
500.00	500.00	499.86	499.84	1.57	1.56	-169.28	-10.32	-1.95	10.50	7.37	3.13	3.352		
600.00	600.00	599.47	599.31	1.93	1.91	-149.39	-11.75	-6.95	13.67	9.84	3.84	3.564		
700.00	700.00	698.60	698.06	2.29	2.26	-132.85	-14.12	-15.23	20.86	16.32	4.54	4.596		
800.00	799.98	797.24	795.97	2.64	2.63	-20.09	-17.42	-26.71	30.51	25.29	5.22	5.842		
900.00	899.84	895.53	893.07	2.98	3.01	-15.77	-21.62	-41.38	40.50	34.61	5.89	6.873		
1,000.00	999.45	993.48	989.25	3.33	3.42	-13.32	-26.72	-59.16	50.59	44.03	6.56	7.707		
1,100.00	1,098.70	1,091.51	1,084.83	3.70	3.85	-11.80	-32.71	-80.05	60.63	53.38	7.24	8.368		
1,200.00	1,197.47	1,208.80	1,181.80	4.08	4.40	-11.11	-39.09	-102.31	68.34	60.31	8.03	8.508		
1,300.00	1,295.62	1,308.89	1,278.97	4.47	4.87	-11.07	-45.48	-124.61	72.64	63.87	8.77	8.284		
1,400.00	1,393.06	1,391.09	1,376.22	4.90	5.27	-11.57	-51.88	-146.93	73.51	64.07	9.45	7.781		
1,500.00	1,489.64	1,508.95	1,473.45	5.36	5.84	-12.66	-58.27	-169.24	70.99	60.71	10.28	6.906		
1,600.00	1,585.63	1,609.08	1,570.59	5.85	6.33	-14.29	-64.66	-191.54	66.30	55.24	11.06	5.996		
1,700.00	1,681.60	1,709.21	1,667.73	6.35	6.83	-16.17	-71.06	-213.83	61.64	49.79	11.85	5.200		
1,800.00	1,777.57	1,809.34	1,764.86	6.87	7.33	-18.35	-77.45	-236.13	57.05	44.38	12.67	4.503		
1,900.00	1,873.55	1,909.47	1,862.00	7.40	7.83	-20.92	-83.84	-258.42	52.57	39.05	13.52	3.889		
2,000.00	1,969.52	1,990.40	1,959.14	7.94	8.24	-23.95	-90.23	-280.72	48.20	33.88	14.32	3.365		
2,100.00	2,065.49	2,090.27	2,056.28	8.48	8.74	-27.57	-96.62	-303.01	44.00	28.74	15.26	2.884		
2,200.00	2,161.47	2,209.87	2,153.42	9.03	9.35	-31.94	-103.01	-325.31	40.01	23.66	16.35	2.447		
2,300.00	2,257.44	2,290.00	2,250.56	9.58	9.75	-37.23	-109.40	-347.60	36.30	18.92	17.38	2.089		
2,400.00	2,353.41	2,389.87	2,347.70	10.14	10.26	-43.66	-115.79	-369.90	32.97	14.35	18.62	1.771		
2,500.00	2,449.39	2,489.74	2,444.84	10.70	10.77	-51.41	-122.18	-392.19	30.14	10.13	20.01	1.506		
2,600.00	2,545.36	2,589.61	2,541.98	11.27	11.28	-60.54	-128.57	-414.48	27.97	6.44	21.53	1.299 Level 3		
2,700.00	2,641.33	2,689.48	2,639.12	11.83	11.78	-70.90	-134.96	-436.78	26.62	3.52	23.10	1.153 Level 2		
2,791.28	2,728.94	2,780.64	2,727.78	12.35	12.25	-80.98	-140.80	-457.13	26.21	1.77	24.44	1.072 Level 2		
2,800.00	2,737.31	2,789.35	2,736.25	12.40	12.29	-81.95	-141.35	-459.07	26.21	1.66	24.56	1.067 Level 2		
2,900.00	2,833.28	2,889.22	2,833.39	12.97	12.80	-92.94	-147.74	-481.37	26.79	1.02	25.77	1.040 Level 2		
3,000.00	2,929.25	2,989.09	2,930.53	13.54	13.31	-103.11	-154.13	-503.66	28.30	1.59	26.70	1.060 Level 2		
3,100.00	3,025.23	3,088.96	3,027.67	14.11	13.83	-112.00	-160.52	-525.96	30.59	3.19	27.40	1.116 Level 2		
3,200.00	3,121.20	3,188.83	3,124.81	14.69	14.34	-119.51	-166.92	-548.25	33.52	5.55	27.97	1.198 Level 2		
3,300.00	3,217.17	3,288.70	3,221.95	15.26	14.85	-125.72	-173.31	-570.55	36.92	8.44	28.49	1.296 Level 3		
3,400.00	3,313.15	3,388.57	3,319.09	15.84	15.36	-130.84	-179.70	-592.84	40.69	11.69	29.00	1.403 Level 3		
3,500.00	3,409.12	3,488.43	3,416.23	16.42	15.87	-135.07	-186.09	-615.13	44.72	15.19	29.52	1.515		
3,600.00	3,505.09	3,588.30	3,513.37	16.99	16.38	-138.58	-192.48	-637.43	48.95	18.87	30.08	1.627		
3,700.00	3,601.07	3,688.17	3,610.51	17.57	16.90	-141.52	-198.87	-659.72	53.34	22.67	30.67	1.739		
3,800.00	3,697.04	3,788.04	3,707.64	18.15	17.41	-144.01	-205.26	-682.02	57.85	26.56	31.29	1.849		
3,900.00	3,793.01	3,887.91	3,804.78	18.73	17.92	-146.14	-211.65	-704.31	62.45	30.52	31.93	1.956		
4,000.00	3,888.99	3,987.78	3,901.92	19.31	18.43	-147.97	-218.04	-726.61	67.12	34.53	32.60	2.059		
4,100.00	3,984.96	4,087.65	3,999.06	19.89	18.95	-149.56	-224.43	-748.90	71.86	38.58	33.28	2.159		
4,200.00	4,080.93	4,187.52	4,096.20	20.47	19.46	-150.96	-230.82	-771.19	76.64	42.66	33.98	2.255		
4,300.00	4,176.91	4,287.39	4,193.34	21.05	19.97	-152.19	-237.21	-793.49	81.46	46.77	34.70	2.348		
4,400.00	4,272.88	4,387.26	4,290.48	21.63	20.49	-153.28	-243.60	-815.78	86.32	50.90	35.42	2.437		
4,500.00	4,368.85	4,487.13	4,387.62	22.21	21.00	-154.26	-249.99	-838.08	91.21	55.05	36.16	2.522		
4,600.00	4,464.83	4,587.00	4,484.76	22.80	21.51	-155.14	-256.39	-860.37	96.11	59.21	36.90	2.605		
4,700.00	4,560.80	4,686.87	4,581.90	23.38	22.03	-155.93	-262.78	-882.67	101.04	63.39	37.65	2.684		
4,800.00	4,656.77	4,786.73	4,679.03	23.96	22.54	-156.64	-269.17	-904.96	105.99	67.58	38.41	2.759		
4,900.00	4,752.75	4,886.60	4,776.17	24.54	23.05	-157.30	-275.56	-927.26	110.95	71.78	39.17	2.832		
5,000.00	4,848.72	4,986.47	4,873.31	25.13	23.57	-157.90	-281.95	-949.55	115.92	75.98	39.94	2.903		

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

Cathedral Energy Services

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Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4I-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
5,100.00	4,944.69	5,086.34	4,970.45	25.71	24.08	-158.44	-288.34	-971.84	120.91	80.20	40.71	2.970		
5,200.00	5,040.67	5,186.21	5,067.59	26.29	24.60	-158.95	-294.73	-994.14	125.90	84.42	41.49	3.035		
5,300.00	5,136.64	5,286.08	5,164.73	26.88	25.11	-159.42	-301.12	-1,016.43	130.91	88.64	42.26	3.097		
5,400.00	5,232.61	5,385.95	5,261.87	27.46	25.62	-159.85	-307.51	-1,038.73	135.92	92.88	43.05	3.158		
5,500.00	5,328.59	5,485.82	5,359.01	28.05	26.14	-160.25	-313.90	-1,061.02	140.94	97.11	43.83	3.216		
5,600.00	5,424.56	5,585.69	5,456.15	28.63	26.65	-160.62	-320.29	-1,083.32	145.97	101.35	44.62	3.272		
5,700.00	5,520.53	5,685.56	5,553.28	29.21	27.17	-160.97	-326.68	-1,105.61	151.00	105.59	45.41	3.326		
5,800.00	5,616.51	5,785.43	5,650.42	29.80	27.68	-161.30	-333.07	-1,127.91	156.04	109.84	46.20	3.378		
5,900.00	5,712.48	5,885.30	5,747.56	30.38	28.19	-161.60	-339.46	-1,150.20	161.08	114.09	46.99	3.428		
6,000.00	5,808.45	5,984.63	5,844.19	30.97	28.71	-161.89	-345.82	-1,172.36	166.14	118.36	47.78	3.477		
6,100.00	5,904.43	6,079.13	5,936.51	31.55	29.17	-162.36	-351.36	-1,191.69	173.05	124.56	48.49	3.569		
6,200.00	6,000.96	6,173.29	6,029.12	32.11	29.59	-162.98	-356.04	-1,208.03	181.10	131.99	49.11	3.687		
6,300.00	6,098.34	6,267.21	6,122.01	32.62	29.98	-163.56	-359.88	-1,221.41	188.95	139.27	49.68	3.803		
6,400.00	6,196.46	6,360.91	6,215.07	33.08	30.34	-164.10	-362.87	-1,231.84	196.56	146.38	50.18	3.917		
6,500.00	6,295.19	6,454.39	6,308.22	33.50	30.66	-164.61	-365.01	-1,239.31	203.95	153.33	50.63	4.029		
6,600.00	6,394.41	6,547.66	6,401.37	33.87	30.95	-165.10	-366.31	-1,243.86	211.10	160.10	51.00	4.139		
6,700.00	6,494.01	6,640.73	6,494.42	34.21	31.22	-165.57	-366.78	-1,245.48	218.01	166.69	51.32	4.248		
6,800.00	6,593.86	6,740.17	6,593.86	34.51	31.47	-165.94	-366.78	-1,245.49	223.28	171.41	51.88	4.304		
6,900.00	6,693.83	6,840.14	6,693.83	34.77	31.73	-166.07	-366.78	-1,245.49	225.18	172.72	52.47	4.292		
7,000.00	6,793.83	6,940.14	6,793.83	35.01	31.99	89.91	-366.78	-1,245.49	225.19	172.13	53.06	4.244		
7,100.00	6,893.83	7,040.14	6,893.83	35.25	32.25	89.91	-366.78	-1,245.49	225.19	171.53	53.66	4.196		
7,200.00	6,993.83	7,140.14	6,993.83	35.49	32.51	89.91	-366.78	-1,245.49	225.19	170.92	54.27	4.150		
7,289.89	7,083.72	7,230.04	7,083.72	35.71	32.74	89.84	-366.50	-1,245.49	225.19	170.39	54.80	4.109		
7,300.00	7,093.83	7,240.14	7,093.82	35.73	32.77	89.75	-366.15	-1,245.49	225.19	170.35	54.84	4.106		
7,400.00	7,193.83	7,338.80	7,191.80	35.98	33.01	86.79	-355.25	-1,245.52	225.48	170.52	54.95	4.103		
7,500.00	7,293.40	7,434.86	7,284.88	36.21	33.22	82.74	-331.81	-1,245.59	226.82	172.04	54.79	4.140		
7,600.00	7,390.83	7,528.98	7,372.24	36.41	33.39	78.91	-296.96	-1,245.69	229.10	174.56	54.54	4.201		
7,700.00	7,484.24	7,621.38	7,452.84	36.58	33.52	75.38	-251.91	-1,245.82	232.08	177.92	54.16	4.285		
7,800.00	7,571.80	7,712.27	7,525.81	36.72	33.62	72.21	-197.84	-1,245.97	235.51	181.90	53.61	4.393		
7,900.00	7,651.80	7,801.84	7,590.47	36.81	33.68	69.43	-135.93	-1,246.14	239.10	186.23	52.87	4.522		
8,000.00	7,722.70	7,890.31	7,646.25	36.86	33.71	67.06	-67.34	-1,246.34	242.59	190.59	51.99	4.666		
8,100.00	7,783.11	7,977.85	7,692.73	36.88	33.72	65.11	6.79	-1,246.55	245.72	194.66	51.06	4.813		
8,200.00	7,831.85	8,064.67	7,729.54	36.87	33.72	63.58	85.35	-1,246.77	248.30	198.11	50.18	4.948		
8,300.00	7,867.98	8,150.93	7,756.45	36.85	33.71	62.46	167.26	-1,247.00	250.15	200.64	49.51	5.053		
8,400.00	7,890.79	8,236.82	7,773.27	36.83	33.70	61.76	251.43	-1,247.24	251.15	201.99	49.16	5.109		
8,500.00	7,899.84	8,322.52	7,779.89	36.82	33.71	61.47	336.82	-1,247.48	251.23	201.99	49.23	5.103		
8,600.00	7,900.00	8,420.40	7,780.00	36.85	33.78	61.40	434.70	-1,247.76	250.68	200.94	49.74	5.040		
8,700.00	7,900.00	8,520.40	7,780.00	36.94	33.92	61.33	534.70	-1,248.04	250.12	199.71	50.41	4.962		
8,800.00	7,900.00	8,620.40	7,780.00	37.08	34.15	61.26	634.70	-1,248.33	249.56	198.33	51.23	4.872		
8,900.00	7,900.00	8,720.40	7,780.00	37.29	34.48	61.19	734.70	-1,248.61	249.01	196.81	52.19	4.771		
9,000.00	7,900.00	8,820.40	7,780.00	37.59	34.93	61.12	834.69	-1,248.89	248.45	195.15	53.29	4.662		
9,100.00	7,900.00	8,920.39	7,780.00	37.97	35.49	61.05	934.69	-1,249.17	247.89	193.37	54.52	4.547		
9,200.00	7,900.00	9,020.39	7,780.00	38.44	36.15	60.98	1,034.69	-1,249.46	247.33	191.47	55.86	4.428		
9,300.00	7,900.00	9,120.39	7,780.00	39.00	36.89	60.90	1,134.69	-1,249.74	246.78	189.46	57.32	4.306		
9,400.00	7,900.00	9,220.39	7,780.00	39.65	37.71	60.83	1,234.68	-1,250.02	246.22	187.35	58.87	4.183		
9,500.00	7,900.00	9,320.39	7,780.00	40.38	38.59	60.76	1,334.68	-1,250.31	245.67	185.15	60.51	4.060		
9,600.00	7,900.00	9,420.38	7,780.00	41.18	39.52	60.69	1,434.68	-1,250.59	245.11	182.87	62.24	3.938		
9,700.00	7,900.00	9,520.38	7,780.00	42.04	40.50	60.61	1,534.68	-1,250.87	244.56	180.51	64.05	3.818		
9,800.00	7,900.00	9,620.38	7,780.00	42.96	41.52	60.54	1,634.67	-1,251.16	244.00	178.08	65.93	3.701		
9,900.00	7,900.00	9,720.38	7,780.00	43.93	42.58	60.47	1,734.67	-1,251.44	243.45	175.58	67.87	3.587		
10,000.00	7,900.00	9,820.38	7,780.00	44.94	43.67	60.39	1,834.67	-1,251.72	242.90	173.03	69.87	3.476		
10,100.00	7,900.00	9,920.37	7,780.00	45.99	44.79	60.32	1,934.67	-1,252.01	242.34	170.42	71.92	3.370		

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

Cathedral Energy Services

Anticollision Report

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Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4I-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft			
Survey Program: O-MWD+HDGM															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning			
10,200.00	7,900.00	10,020.37	7,780.00	47.07	45.95	60.24	2,034.67	-1,252.29	241.79	167.77	74.02	3.266				
10,300.00	7,900.00	10,120.37	7,780.00	48.19	47.12	60.17	2,134.66	-1,252.57	241.24	165.07	76.17	3.167				
10,400.00	7,900.00	10,220.37	7,780.00	49.33	48.32	60.09	2,234.66	-1,252.85	240.69	162.33	78.36	3.072				
10,500.00	7,900.00	10,320.37	7,780.00	50.50	49.55	60.02	2,334.66	-1,253.14	240.13	159.56	80.58	2.980				
10,600.00	7,900.00	10,420.36	7,780.00	51.69	50.79	59.94	2,434.66	-1,253.42	239.58	156.75	82.83	2.892				
10,700.00	7,900.00	10,520.36	7,780.00	52.91	52.05	59.87	2,534.65	-1,253.70	239.03	153.91	85.12	2.808				
10,800.00	7,900.00	10,620.36	7,780.00	54.14	53.33	59.79	2,634.65	-1,253.99	238.48	151.05	87.43	2.728				
10,900.00	7,900.00	10,720.36	7,780.00	55.39	54.62	59.71	2,734.65	-1,254.27	237.93	148.16	89.77	2.650				
11,000.00	7,900.00	10,820.36	7,780.00	56.66	55.93	59.63	2,834.65	-1,254.55	237.38	145.25	92.13	2.577				
11,100.00	7,900.00	10,920.35	7,780.00	57.95	57.26	59.56	2,934.64	-1,254.84	236.83	142.32	94.51	2.506				
11,200.00	7,900.00	11,020.35	7,780.00	59.25	58.59	59.48	3,034.64	-1,255.12	236.29	139.37	96.91	2.438				
11,300.00	7,900.00	11,120.35	7,780.00	60.56	59.94	59.40	3,134.64	-1,255.40	235.74	136.41	99.33	2.373				
11,400.00	7,900.00	11,220.35	7,780.00	61.89	61.30	59.32	3,234.64	-1,255.69	235.19	133.43	101.76	2.311				
11,500.00	7,900.00	11,320.35	7,780.00	63.23	62.67	59.24	3,334.63	-1,255.97	234.64	130.43	104.21	2.252				
11,600.00	7,900.00	11,420.34	7,780.00	64.57	64.05	59.16	3,434.63	-1,256.25	234.10	127.43	106.67	2.195				
11,700.00	7,900.00	11,520.34	7,780.00	65.93	65.44	59.08	3,534.63	-1,256.53	233.55	124.41	109.14	2.140				
11,800.00	7,900.00	11,620.34	7,780.00	67.30	66.84	59.00	3,634.63	-1,256.82	233.00	121.38	111.62	2.087				
11,900.00	7,900.00	11,720.34	7,780.00	68.68	68.24	58.92	3,734.62	-1,257.10	232.46	118.34	114.12	2.037				
12,000.00	7,900.00	11,820.34	7,780.00	70.07	69.66	58.84	3,834.62	-1,257.38	231.91	115.30	116.62	1.989				
12,100.00	7,900.00	11,920.33	7,780.00	71.46	71.08	58.76	3,934.62	-1,257.67	231.37	112.24	119.13	1.942				
12,200.00	7,900.00	12,020.33	7,780.00	72.86	72.50	58.68	4,034.62	-1,257.95	230.83	109.18	121.64	1.898				
12,300.00	7,900.00	12,120.33	7,780.00	74.27	73.94	58.59	4,134.61	-1,258.23	230.28	106.12	124.16	1.855				
12,400.00	7,900.00	12,220.33	7,780.00	75.69	75.37	58.51	4,234.61	-1,258.52	229.74	103.05	126.69	1.813				
12,500.00	7,900.00	12,320.33	7,780.00	77.11	76.82	58.43	4,334.61	-1,258.80	229.20	99.97	129.23	1.774				
12,600.00	7,900.00	12,420.32	7,780.00	78.54	78.27	58.34	4,434.61	-1,259.08	228.66	96.89	131.76	1.735				
12,700.00	7,900.00	12,520.32	7,780.00	79.97	79.73	58.26	4,534.60	-1,259.37	228.11	93.81	134.31	1.698				
12,800.00	7,900.00	12,620.32	7,780.00	81.41	81.19	58.18	4,634.60	-1,259.65	227.57	90.72	136.85	1.663				
12,900.00	7,900.00	12,720.32	7,780.00	82.85	82.65	58.09	4,734.60	-1,259.93	227.03	87.63	139.40	1.629				
13,000.00	7,900.00	12,820.32	7,780.00	84.30	84.12	58.01	4,834.60	-1,260.21	226.49	84.54	141.95	1.596				
13,100.00	7,900.00	12,920.31	7,780.00	85.76	85.59	57.92	4,934.59	-1,260.50	225.95	81.45	144.50	1.564				
13,200.00	7,900.00	13,020.31	7,780.00	87.22	87.07	57.84	5,034.59	-1,260.78	225.42	78.36	147.06	1.533				
13,300.00	7,900.00	13,120.31	7,780.00	88.68	88.55	57.75	5,134.59	-1,261.06	224.88	75.26	149.62	1.503				
13,400.00	7,900.00	13,220.31	7,780.00	90.14	90.03	57.66	5,234.59	-1,261.35	224.34	72.17	152.17	1.474	Level 3			
13,500.00	7,900.00	13,320.31	7,780.00	91.61	91.52	57.57	5,334.59	-1,261.63	223.80	69.07	154.73	1.446	Level 3			
13,600.00	7,900.00	13,420.30	7,780.00	93.09	93.01	57.49	5,434.58	-1,261.91	223.26	65.97	157.29	1.419	Level 3			
13,700.00	7,900.00	13,520.30	7,780.00	94.56	94.50	57.40	5,534.58	-1,262.20	222.73	62.88	159.85	1.393	Level 3			
13,800.00	7,900.00	13,620.30	7,780.00	96.04	96.00	57.31	5,634.58	-1,262.48	222.19	59.78	162.41	1.368	Level 3			
13,900.00	7,900.00	13,720.30	7,780.00	97.53	97.50	57.22	5,734.58	-1,262.76	221.66	56.69	164.97	1.344	Level 3			
14,000.00	7,900.00	13,820.30	7,780.00	99.01	99.00	57.13	5,834.57	-1,263.05	221.12	53.60	167.52	1.320	Level 3			
14,100.00	7,900.00	13,920.29	7,780.00	100.50	100.51	57.04	5,934.57	-1,263.33	220.59	50.51	170.08	1.297	Level 3			
14,200.00	7,900.00	14,020.29	7,780.00	101.99	102.01	56.95	6,034.57	-1,263.61	220.05	47.42	172.64	1.275	Level 3			
14,300.00	7,900.00	14,120.29	7,780.00	103.49	103.52	56.86	6,134.57	-1,263.89	219.52	44.33	175.19	1.253	Level 3			
14,400.00	7,900.00	14,220.29	7,780.00	104.98	105.03	56.77	6,234.56	-1,264.18	218.99	41.24	177.75	1.232	Level 2			
14,500.00	7,900.00	14,320.29	7,780.00	106.48	106.55	56.68	6,334.56	-1,264.46	218.46	38.16	180.30	1.212	Level 2			
14,600.00	7,900.00	14,420.28	7,780.00	107.98	108.06	56.59	6,434.56	-1,264.74	217.93	35.08	182.85	1.192	Level 2			
14,700.00	7,900.00	14,520.28	7,780.00	109.49	109.58	56.50	6,534.56	-1,265.03	217.39	32.00	185.39	1.173	Level 2			
14,800.00	7,900.00	14,620.28	7,780.00	110.99	111.10	56.40	6,634.55	-1,265.31	216.86	28.92	187.94	1.154	Level 2			
14,900.00	7,900.00	14,720.28	7,780.00	112.50	112.62	56.31	6,734.55	-1,265.59	216.33	25.85	190.48	1.136	Level 2			
15,000.00	7,900.00	14,820.28	7,780.00	114.01	114.14	56.22	6,834.55	-1,265.88	215.80	22.78	193.02	1.118	Level 2			
15,100.00	7,900.00	14,920.27	7,780.00	115.52	115.67	56.12	6,934.55	-1,266.16	215.28	19.71	195.56	1.101	Level 2			
15,200.00	7,900.00	15,020.27	7,780.00	117.04	117.19	56.03	7,034.54	-1,266.44	214.75	16.65	198.10	1.084	Level 2			
15,300.00	7,900.00	15,120.27	7,780.00	118.55	118.72	55.93	7,134.54	-1,266.73	214.22	13.59	200.63	1.068	Level 2			

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4I-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	15,220.27	7,780.00	120.07	120.25	55.84	7,234.54	-1,267.01	213.69	10.54	203.16	1.052	Level 2	
15,500.00	7,900.00	15,320.27	7,780.00	121.59	121.78	55.74	7,334.54	-1,267.29	213.17	7.48	205.68	1.036	Level 2	
15,600.00	7,900.00	15,420.26	7,780.00	123.11	123.31	55.64	7,434.53	-1,267.57	212.64	4.43	208.21	1.021	Level 2	
15,700.00	7,900.00	15,520.26	7,780.00	124.63	124.84	55.55	7,534.53	-1,267.86	212.12	1.39	210.73	1.007	Level 2	
15,800.00	7,900.00	15,620.26	7,780.00	126.15	126.38	55.45	7,634.53	-1,268.14	211.59	-1.65	213.24	0.992	Level 1	
15,900.00	7,900.00	15,720.26	7,780.00	127.67	127.91	55.35	7,734.53	-1,268.42	211.07	-4.68	215.75	0.978	Level 1	
16,000.00	7,900.00	15,820.25	7,780.00	129.20	129.45	55.25	7,834.52	-1,268.71	210.55	-7.72	218.26	0.965	Level 1	
16,100.00	7,900.00	15,920.25	7,780.00	130.73	130.99	55.15	7,934.52	-1,268.99	210.02	-10.74	220.77	0.951	Level 1	
16,200.00	7,900.00	16,020.25	7,780.00	132.25	132.53	55.05	8,034.52	-1,269.27	209.50	-13.76	223.27	0.938	Level 1	
16,300.00	7,900.00	16,120.25	7,780.00	133.78	134.07	54.95	8,134.52	-1,269.56	208.98	-16.78	225.76	0.926	Level 1	
16,400.00	7,900.00	16,220.25	7,780.00	135.31	135.61	54.85	8,234.51	-1,269.84	208.46	-19.79	228.25	0.913	Level 1	
16,500.00	7,900.00	16,320.24	7,780.00	136.84	137.15	54.75	8,334.51	-1,270.12	207.94	-22.80	230.74	0.901	Level 1	
16,574.96	7,900.00	16,394.13	7,780.00	137.99	138.29	54.69	8,408.39	-1,270.27	207.60	-24.88	232.47	0.893	Level 1	
16,600.00	7,900.00	16,417.77	7,780.00	138.38	138.65	54.70	8,432.03	-1,270.09	207.68	-25.29	232.98	0.891	Level 1	
16,700.00	7,900.00	16,521.74	7,780.00	139.91	140.23	55.07	8,526.06	-1,267.44	209.70	-25.89	235.59	0.890	Level 1, SF	
16,800.00	7,900.00	16,611.75	7,780.00	141.44	141.57	55.73	8,625.86	-1,262.81	213.23	-26.23	239.46	0.890	Level 1	
16,900.00	7,900.00	16,711.65	7,780.00	142.98	143.07	56.36	8,725.66	-1,258.19	216.78	-26.65	243.43	0.891	Level 1	
17,000.00	7,900.00	16,811.56	7,780.00	144.52	144.57	56.98	8,825.47	-1,253.56	220.36	-27.01	247.37	0.891	Level 1	
17,100.00	7,900.00	16,911.47	7,780.00	146.05	146.08	57.58	8,925.27	-1,248.93	223.96	-27.32	251.28	0.891	Level 1	
17,200.00	7,900.00	17,011.38	7,780.00	147.59	147.58	58.15	9,025.07	-1,244.30	227.59	-27.59	255.17	0.892	Level 1	
17,300.00	7,900.00	17,111.29	7,780.00	149.13	149.08	58.71	9,124.87	-1,239.67	231.23	-27.80	259.03	0.893	Level 1	
17,400.00	7,900.00	17,211.20	7,780.00	150.67	150.59	59.26	9,224.67	-1,235.04	234.90	-27.96	262.87	0.894	Level 1	
17,500.00	7,900.00	17,311.10	7,780.00	152.21	152.09	59.78	9,324.47	-1,230.41	238.59	-28.08	266.68	0.895	Level 1	
17,600.00	7,900.00	17,411.01	7,780.00	153.75	153.60	60.29	9,424.27	-1,225.78	242.30	-28.16	270.46	0.896	Level 1	
17,700.00	7,900.00	17,510.92	7,780.00	155.29	155.11	60.79	9,524.07	-1,221.15	246.03	-28.20	274.23	0.897	Level 1, ES	
17,800.00	7,900.00	17,610.83	7,780.00	156.84	156.61	61.26	9,623.87	-1,216.52	249.78	-28.20	277.97	0.899	Level 1	
17,900.00	7,900.00	17,710.74	7,780.00	158.38	158.12	61.73	9,723.67	-1,211.89	253.54	-28.16	281.70	0.900	Level 1	
17,930.78	7,900.00	17,741.49	7,780.00	158.86	158.59	61.87	9,754.39	-1,210.47	254.70	-28.14	282.84	0.901	Level 1	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4J-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	-179.20	-20.04	-0.28	20.04					
100.00	100.00	101.00	99.00	0.14	0.14	-179.20	-20.04	-0.28	20.04	19.76	0.28	71.661		
200.00	200.00	201.00	199.00	0.50	0.50	-179.20	-20.04	-0.28	20.04	19.04	1.00	20.106		
300.00	300.00	301.00	299.00	0.85	0.86	-179.20	-20.04	-0.28	20.04	18.32	1.71	11.694		
400.00	400.00	401.00	399.00	1.21	1.22	-179.20	-20.04	-0.28	20.04	17.61	2.43	8.244		
500.00	500.00	501.00	499.00	1.57	1.58	-179.20	-20.04	-0.28	20.04	16.89	3.15	6.366		
600.00	600.00	601.00	599.00	1.93	1.93	-179.20	-20.04	-0.28	20.04	16.17	3.86	5.185		
700.00	700.00	701.00	699.00	2.29	2.29	-179.20	-20.04	-0.28	20.04	15.46	4.58	4.374		
800.00	799.98	798.98	798.98	2.64	2.64	-80.11	-20.04	-0.28	19.66	14.38	5.28	3.723		
872.45	872.35	871.30	871.30	2.89	2.90	-87.57	-20.30	-1.13	19.44	13.66	5.78	3.363 CC		
900.00	899.84	898.82	898.80	2.98	2.99	-90.44	-20.55	-1.91	19.47	13.50	5.97	3.261		
1,000.00	999.45	998.78	998.63	3.33	3.33	-100.55	-22.10	-6.86	20.13	13.46	6.66	3.020		
1,100.00	1,098.70	1,098.87	1,098.33	3.70	3.68	-109.58	-24.71	-15.14	21.56	14.19	7.37	2.924		
1,200.00	1,197.47	1,199.07	1,197.79	4.08	4.04	-117.09	-28.36	-26.75	23.64	15.54	8.10	2.920		
1,300.00	1,295.62	1,299.40	1,296.88	4.47	4.42	-123.04	-33.07	-41.70	26.23	17.39	8.84	2.968		
1,400.00	1,393.06	1,399.85	1,395.47	4.90	4.82	-127.61	-38.81	-59.97	29.22	19.62	9.60	3.044		
1,500.00	1,489.64	1,500.02	1,493.20	5.36	5.23	-131.79	-45.42	-80.96	32.84	22.45	10.39	3.162		
1,600.00	1,585.63	1,599.83	1,590.50	5.85	5.67	-137.15	-52.10	-102.19	37.99	26.82	11.17	3.401		
1,700.00	1,681.60	1,700.36	1,687.79	6.35	6.11	-141.26	-58.78	-123.43	43.43	31.47	11.96	3.631		
1,800.00	1,777.57	1,800.55	1,785.09	6.87	6.56	-144.43	-65.46	-144.66	49.04	36.28	12.75	3.846		
1,900.00	1,873.55	1,899.26	1,882.39	7.40	7.02	-146.95	-72.14	-165.89	54.77	41.23	13.54	4.045		
2,000.00	1,969.52	2,000.93	1,979.68	7.94	7.49	-148.99	-78.82	-187.13	60.58	46.24	14.34	4.224		
2,100.00	2,065.49	2,101.12	2,076.98	8.48	7.96	-150.68	-85.50	-208.36	66.46	51.32	15.14	4.389		
2,200.00	2,161.47	2,201.31	2,174.27	9.03	8.44	-152.08	-92.19	-229.60	72.39	56.44	15.94	4.540		
2,300.00	2,257.44	2,298.50	2,271.57	9.58	8.90	-153.28	-98.87	-250.83	78.35	61.61	16.73	4.682		
2,400.00	2,353.41	2,401.69	2,368.86	10.14	9.39	-154.30	-105.55	-272.07	84.34	66.79	17.55	4.805		
2,500.00	2,449.39	2,501.88	2,466.16	10.70	9.88	-155.19	-112.23	-293.30	90.36	72.00	18.36	4.922		
2,600.00	2,545.36	2,597.93	2,563.46	11.27	10.34	-155.97	-118.91	-314.54	96.39	77.24	19.15	5.033		
2,700.00	2,641.33	2,697.74	2,660.75	11.83	10.83	-156.65	-125.59	-335.77	102.44	82.48	19.96	5.133		
2,800.00	2,737.31	2,802.45	2,758.05	12.40	11.34	-157.26	-132.27	-357.00	108.50	87.72	20.79	5.220		
2,900.00	2,833.28	2,902.64	2,855.34	12.97	11.83	-157.80	-138.95	-378.24	114.58	92.98	21.60	5.305		
3,000.00	2,929.25	3,002.83	2,952.64	13.54	12.32	-158.29	-145.63	-399.47	120.66	98.25	22.41	5.384		
3,100.00	3,025.23	3,103.02	3,049.93	14.11	12.81	-158.74	-152.32	-420.71	126.75	103.53	23.23	5.457		
3,200.00	3,121.20	3,203.21	3,147.23	14.69	13.30	-159.14	-159.00	-441.94	132.85	108.81	24.04	5.526		
3,300.00	3,217.17	3,296.60	3,244.53	15.26	13.76	-159.51	-165.68	-463.18	138.95	114.13	24.83	5.596		
3,400.00	3,313.15	3,403.59	3,341.82	15.84	14.29	-159.84	-172.36	-484.41	145.06	119.39	25.67	5.650		
3,500.00	3,409.12	3,503.78	3,439.12	16.42	14.79	-160.15	-179.04	-505.65	151.18	124.69	26.49	5.707		
3,600.00	3,505.09	3,603.97	3,536.41	16.99	15.28	-160.43	-185.72	-526.88	157.30	129.99	27.31	5.760		
3,700.00	3,601.07	3,695.84	3,633.71	17.57	15.74	-160.70	-192.40	-548.11	163.42	135.33	28.09	5.817		
3,800.00	3,697.04	3,804.35	3,731.00	18.15	16.28	-160.94	-199.08	-569.35	169.54	140.60	28.94	5.858		
3,900.00	3,793.01	3,904.54	3,828.30	18.73	16.77	-161.17	-205.76	-590.58	175.67	145.91	29.76	5.902		
4,000.00	3,888.99	3,995.27	3,925.60	19.31	17.23	-161.38	-212.44	-611.82	181.80	151.26	30.54	5.952		
4,100.00	3,984.96	4,104.92	4,022.89	19.89	17.77	-161.58	-219.13	-633.05	187.93	156.53	31.40	5.985		
4,200.00	4,080.93	4,205.11	4,120.19	20.47	18.27	-161.77	-225.81	-654.29	194.07	161.85	32.22	6.023		
4,300.00	4,176.91	4,305.30	4,217.48	21.05	18.77	-161.94	-232.49	-675.52	200.20	167.16	33.04	6.059		
4,400.00	4,272.88	4,405.49	4,314.78	21.63	19.27	-162.10	-239.17	-696.76	206.34	172.48	33.86	6.094		
4,500.00	4,368.85	4,505.68	4,412.07	22.21	19.77	-162.26	-245.85	-717.99	212.48	177.80	34.68	6.127		
4,600.00	4,464.83	4,605.87	4,509.37	22.80	20.27	-162.40	-252.53	-739.22	218.62	183.12	35.50	6.158		
4,700.00	4,560.80	4,693.94	4,606.66	23.38	20.71	-162.54	-259.21	-760.46	224.76	188.49	36.27	6.196		
4,800.00	4,656.77	4,806.25	4,703.96	23.96	21.27	-162.67	-265.89	-781.69	230.91	193.76	37.15	6.216		
4,900.00	4,752.75	4,906.44	4,801.26	24.54	21.77	-162.80	-272.57	-802.93	237.05	199.08	37.97	6.244		
5,000.00	4,848.72	5,006.63	4,898.55	25.13	22.27	-162.91	-279.25	-824.16	243.20	204.41	38.79	6.270		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4J-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
5,100.00	4,944.69	5,106.82	4,995.85	25.71	22.77	-163.02	-285.94	-845.40	249.34	209.73	39.61	6.295	
5,200.00	5,040.67	5,192.99	5,093.14	26.29	23.20	-163.13	-292.62	-866.63	255.49	215.12	40.38	6.328	
5,300.00	5,136.64	5,292.80	5,190.44	26.88	23.70	-163.23	-299.30	-887.87	261.64	220.44	41.20	6.351	
5,400.00	5,232.61	5,407.39	5,287.73	27.46	24.27	-163.33	-305.98	-909.10	267.79	225.71	42.08	6.364	
5,500.00	5,328.59	5,507.59	5,385.03	28.05	24.78	-163.42	-312.66	-930.33	273.94	231.04	42.90	6.385	
5,600.00	5,424.56	5,607.78	5,482.33	28.63	25.28	-163.51	-319.34	-951.57	280.09	236.37	43.72	6.406	
5,700.00	5,520.53	5,692.03	5,579.62	29.21	25.70	-163.59	-326.02	-972.80	286.24	241.76	44.48	6.435	
5,800.00	5,616.51	5,791.84	5,676.92	29.80	26.20	-163.67	-332.70	-994.04	292.39	247.09	45.30	6.454	
5,900.00	5,712.48	5,891.65	5,774.21	30.38	26.70	-163.75	-339.38	-1,015.27	298.55	252.42	46.12	6.473	
6,000.00	5,808.45	5,990.49	5,870.56	30.97	27.19	-163.83	-345.99	-1,036.28	304.72	257.77	46.94	6.491	
6,100.00	5,904.43	6,080.97	5,959.14	31.55	27.63	-164.00	-351.54	-1,053.92	312.66	264.98	47.68	6.557	
6,200.00	6,000.96	6,171.14	6,047.93	32.11	28.03	-164.29	-356.23	-1,068.82	321.60	273.24	48.36	6.650	
6,300.00	6,098.34	6,261.08	6,136.95	32.62	28.40	-164.57	-360.07	-1,081.03	330.16	281.18	48.97	6.742	
6,400.00	6,196.46	6,350.81	6,226.13	33.08	28.74	-164.85	-363.07	-1,090.54	338.32	288.80	49.53	6.831	
6,500.00	6,295.19	6,440.35	6,315.37	33.50	29.06	-165.13	-365.22	-1,097.38	346.10	296.08	50.02	6.919	
6,600.00	6,394.41	6,529.69	6,404.61	33.87	29.34	-165.41	-366.53	-1,101.54	353.47	303.02	50.45	7.006	
6,700.00	6,494.01	6,632.09	6,493.01	34.21	29.65	-165.68	-367.01	-1,103.06	360.43	309.58	50.85	7.089	
6,800.00	6,593.86	6,717.96	6,592.86	34.51	29.88	-165.92	-367.01	-1,103.06	365.71	314.30	51.41	7.114	
6,900.00	6,693.83	6,817.94	6,692.83	34.77	30.14	-166.00	-367.01	-1,103.06	367.61	315.60	52.02	7.067	
7,000.00	6,793.83	6,917.94	6,792.83	35.01	30.42	89.98	-367.01	-1,103.06	367.62	315.00	52.62	6.986	
7,100.00	6,893.83	7,017.94	6,892.83	35.25	30.69	89.98	-367.01	-1,103.06	367.62	314.39	53.23	6.906	
7,200.00	6,993.83	7,117.94	6,992.83	35.49	30.96	89.98	-367.01	-1,103.06	367.62	313.78	53.84	6.828	
7,300.00	7,093.83	7,217.94	7,092.83	35.73	31.24	89.98	-367.01	-1,103.06	367.62	313.17	54.45	6.752	
7,400.00	7,193.83	7,317.94	7,192.83	35.98	31.52	89.79	-367.01	-1,103.06	367.62	312.55	55.07	6.676	
7,435.18	7,228.98	7,353.08	7,227.98	36.06	31.62	90.00	-367.01	-1,103.06	367.62	312.31	55.31	6.647	
7,500.00	7,293.40	7,417.50	7,292.40	36.21	31.80	91.08	-367.01	-1,103.06	367.68	311.83	55.85	6.583	
7,600.00	7,390.83	7,518.49	7,393.22	36.41	32.07	93.84	-362.59	-1,103.11	368.40	311.48	56.92	6.472	
7,700.00	7,484.24	7,622.63	7,495.52	36.58	32.33	96.61	-343.57	-1,103.34	369.77	311.76	58.00	6.375	
7,800.00	7,571.80	7,729.69	7,596.66	36.72	32.56	99.27	-308.79	-1,103.75	371.66	312.69	58.97	6.303	
7,900.00	7,651.80	7,839.72	7,694.01	36.81	32.75	101.76	-257.76	-1,104.35	373.90	314.19	59.71	6.262	
8,000.00	7,722.70	7,952.67	7,784.63	36.86	32.88	104.03	-190.51	-1,105.14	376.23	316.07	60.16	6.254	
8,100.00	7,783.11	8,068.40	7,865.32	36.88	32.97	106.01	-107.74	-1,106.12	378.39	318.03	60.36	6.269	
8,200.00	7,831.85	8,186.58	7,932.88	36.87	33.01	107.65	-10.95	-1,107.26	380.09	319.68	60.41	6.292	
8,300.00	7,867.98	8,306.76	7,984.33	36.85	33.02	108.91	97.50	-1,108.54	381.07	320.57	60.50	6.298	
8,400.00	7,890.79	8,428.34	8,017.21	36.83	33.02	109.75	214.39	-1,109.92	381.14	320.29	60.84	6.264	
8,500.00	7,899.84	8,550.62	8,029.88	36.82	33.06	110.15	335.86	-1,111.35	380.16	318.59	61.57	6.174	
8,600.00	7,900.00	8,653.04	8,030.00	36.85	33.15	110.24	438.27	-1,112.56	378.70	316.23	62.46	6.063	
8,700.00	7,900.00	8,753.03	8,030.00	36.94	33.34	110.32	538.25	-1,113.73	377.26	313.79	63.47	5.944	
8,800.00	7,900.00	8,853.02	8,030.00	37.08	33.65	110.40	638.23	-1,114.91	375.82	311.23	64.60	5.818	
8,900.00	7,900.00	8,953.01	8,030.00	37.29	34.09	110.48	738.21	-1,116.09	374.39	308.54	65.85	5.686	
9,000.00	7,900.00	9,052.99	8,030.00	37.59	34.64	110.57	838.20	-1,117.27	372.95	305.75	67.21	5.549	
9,100.00	7,900.00	9,152.98	8,030.00	37.97	35.29	110.65	938.18	-1,118.45	371.52	302.85	68.67	5.410	
9,200.00	7,900.00	9,252.97	8,030.00	38.44	36.03	110.73	1,038.16	-1,119.63	370.09	299.85	70.23	5.269	
9,300.00	7,900.00	9,352.96	8,030.00	39.00	36.83	110.82	1,138.14	-1,120.81	368.65	296.76	71.89	5.128	
9,400.00	7,900.00	9,452.95	8,030.00	39.65	37.70	110.90	1,238.12	-1,121.99	367.22	293.59	73.63	4.987	
9,500.00	7,900.00	9,552.94	8,030.00	40.38	38.62	110.99	1,338.10	-1,123.17	365.79	290.34	75.45	4.848	
9,600.00	7,900.00	9,652.92	8,030.00	41.18	39.58	111.07	1,438.08	-1,124.34	364.36	287.02	77.34	4.711	
9,700.00	7,900.00	9,752.91	8,030.00	42.04	40.59	111.16	1,538.06	-1,125.52	362.93	283.63	79.30	4.577	
9,800.00	7,900.00	9,852.90	8,030.00	42.96	41.64	111.25	1,638.05	-1,126.70	361.50	280.18	81.32	4.446	
9,900.00	7,900.00	9,952.89	8,030.00	43.93	42.72	111.34	1,738.03	-1,127.88	360.07	276.68	83.40	4.318	
10,000.00	7,900.00	10,052.88	8,030.00	44.94	43.83	111.43	1,838.01	-1,129.06	358.65	273.12	85.53	4.193	
10,100.00	7,900.00	10,152.86	8,030.00	45.99	44.97	111.52	1,937.99	-1,130.24	357.22	269.52	87.71	4.073	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4J-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
10,200.00	7,900.00	10,252.85	8,030.00	47.07	46.14	111.61	2,037.97	-1,131.42	355.80	265.87	89.93	3.956		
10,300.00	7,900.00	10,352.84	8,030.00	48.19	47.33	111.70	2,137.95	-1,132.60	354.37	262.18	92.19	3.844		
10,400.00	7,900.00	10,452.83	8,030.00	49.33	48.55	111.79	2,237.93	-1,133.78	352.95	258.45	94.50	3.735		
10,500.00	7,900.00	10,552.82	8,030.00	50.50	49.78	111.88	2,337.92	-1,134.95	351.53	254.69	96.84	3.630		
10,600.00	7,900.00	10,652.81	8,030.00	51.69	51.04	111.98	2,437.90	-1,136.13	350.11	250.90	99.21	3.529		
10,700.00	7,900.00	10,752.79	8,030.00	52.91	52.31	112.07	2,537.88	-1,137.31	348.68	247.08	101.60	3.432		
10,800.00	7,900.00	10,852.78	8,030.00	54.14	53.60	112.16	2,637.86	-1,138.49	347.27	243.23	104.03	3.338		
10,900.00	7,900.00	10,952.77	8,030.00	55.39	54.91	112.26	2,737.84	-1,139.67	345.85	239.36	106.48	3.248		
11,000.00	7,900.00	11,052.76	8,030.00	56.66	56.23	112.36	2,837.82	-1,140.85	344.43	235.47	108.96	3.161		
11,100.00	7,900.00	11,152.75	8,030.00	57.95	57.57	112.45	2,937.80	-1,142.03	343.01	231.56	111.45	3.078		
11,200.00	7,900.00	11,252.74	8,030.00	59.25	58.91	112.55	3,037.78	-1,143.21	341.60	227.63	113.97	2.997		
11,300.00	7,900.00	11,352.72	8,030.00	60.56	60.27	112.65	3,137.77	-1,144.39	340.18	223.68	116.50	2.920		
11,400.00	7,900.00	11,452.71	8,030.00	61.89	61.64	112.75	3,237.75	-1,145.56	338.77	219.72	119.05	2.846		
11,500.00	7,900.00	11,552.70	8,030.00	63.23	63.02	112.85	3,337.73	-1,146.74	337.36	215.74	121.61	2.774		
11,600.00	7,900.00	11,652.69	8,030.00	64.57	64.41	112.95	3,437.71	-1,147.92	335.94	211.75	124.19	2.705		
11,700.00	7,900.00	11,752.68	8,030.00	65.93	65.81	113.06	3,537.69	-1,149.10	334.53	207.75	126.78	2.639		
11,800.00	7,900.00	11,852.67	8,030.00	67.30	67.22	113.16	3,637.67	-1,150.28	333.12	203.74	129.38	2.575		
11,900.00	7,900.00	11,952.65	8,030.00	68.68	68.63	113.26	3,737.65	-1,151.46	331.72	199.72	132.00	2.513		
12,000.00	7,900.00	12,052.64	8,030.00	70.07	70.06	113.37	3,837.63	-1,152.64	330.31	195.69	134.62	2.454		
12,100.00	7,900.00	12,152.63	8,030.00	71.46	71.49	113.47	3,937.62	-1,153.82	328.90	191.65	137.25	2.396		
12,200.00	7,900.00	12,252.62	8,030.00	72.86	72.92	113.58	4,037.60	-1,155.00	327.50	187.61	139.89	2.341		
12,300.00	7,900.00	12,352.61	8,030.00	74.27	74.37	113.69	4,137.58	-1,156.18	326.09	183.56	142.53	2.288		
12,400.00	7,900.00	12,452.59	8,030.00	75.69	75.81	113.80	4,237.56	-1,157.35	324.69	179.51	145.18	2.236		
12,500.00	7,900.00	12,552.58	8,030.00	77.11	77.27	113.91	4,337.54	-1,158.53	323.29	175.45	147.84	2.187		
12,600.00	7,900.00	12,652.57	8,030.00	78.54	78.73	114.02	4,437.52	-1,159.71	321.89	171.39	150.50	2.139		
12,700.00	7,900.00	12,752.56	8,030.00	79.97	80.19	114.13	4,537.50	-1,160.89	320.49	167.32	153.17	2.092		
12,800.00	7,900.00	12,852.55	8,030.00	81.41	81.66	114.24	4,637.49	-1,162.07	319.09	163.25	155.84	2.048		
12,900.00	7,900.00	12,952.54	8,030.00	82.85	83.13	114.35	4,737.47	-1,163.25	317.70	159.18	158.52	2.004		
13,000.00	7,900.00	13,052.52	8,030.00	84.30	84.61	114.47	4,837.45	-1,164.43	316.30	155.11	161.20	1.962		
13,100.00	7,900.00	13,152.51	8,030.00	85.76	86.09	114.58	4,937.43	-1,165.61	314.91	151.03	163.87	1.922		
13,200.00	7,900.00	13,252.50	8,030.00	87.22	87.58	114.70	5,037.41	-1,166.79	313.51	146.96	166.56	1.882		
13,300.00	7,900.00	13,352.49	8,030.00	88.68	89.07	114.82	5,137.39	-1,167.96	312.12	142.88	169.24	1.844		
13,400.00	7,900.00	13,452.48	8,030.00	90.14	90.56	114.94	5,237.37	-1,169.14	310.73	138.81	171.92	1.807		
13,500.00	7,900.00	13,552.47	8,030.00	91.61	92.06	115.06	5,337.35	-1,170.32	309.34	134.74	174.61	1.772		
13,600.00	7,900.00	13,652.45	8,030.00	93.09	93.56	115.18	5,437.34	-1,171.50	307.96	130.66	177.29	1.737		
13,700.00	7,900.00	13,752.44	8,030.00	94.56	95.06	115.30	5,537.32	-1,172.68	306.57	126.59	179.98	1.703		
13,800.00	7,900.00	13,852.43	8,030.00	96.04	96.56	115.42	5,637.30	-1,173.86	305.19	122.52	182.66	1.671		
13,900.00	7,900.00	13,952.42	8,030.00	97.53	98.07	115.55	5,737.28	-1,175.04	303.80	118.46	185.35	1.639		
14,000.00	7,900.00	14,052.41	8,030.00	99.01	99.58	115.67	5,837.26	-1,176.22	302.42	114.39	188.03	1.608		
14,100.00	7,900.00	14,152.40	8,030.00	100.50	101.09	115.80	5,937.24	-1,177.40	301.04	110.33	190.71	1.579		
14,200.00	7,900.00	14,252.38	8,030.00	101.99	102.61	115.93	6,037.22	-1,178.57	299.66	106.27	193.39	1.550		
14,300.00	7,900.00	14,352.37	8,030.00	103.49	104.13	116.05	6,137.20	-1,179.75	298.28	102.22	196.07	1.521		
14,400.00	7,900.00	14,452.36	8,030.00	104.98	105.65	116.18	6,237.19	-1,180.93	296.91	98.17	198.74	1.494 Level 3		
14,500.00	7,900.00	14,552.35	8,030.00	106.48	107.17	116.32	6,337.17	-1,182.11	295.53	94.12	201.41	1.467 Level 3		
14,600.00	7,900.00	14,652.34	8,030.00	107.98	108.69	116.45	6,437.15	-1,183.29	294.16	90.08	204.08	1.441 Level 3		
14,700.00	7,900.00	14,752.32	8,030.00	109.49	110.22	116.58	6,537.13	-1,184.47	292.79	86.04	206.75	1.416 Level 3		
14,800.00	7,900.00	14,852.31	8,030.00	110.99	111.74	116.72	6,637.11	-1,185.65	291.42	82.01	209.41	1.392 Level 3		
14,900.00	7,900.00	14,952.30	8,030.00	112.50	113.27	116.85	6,737.09	-1,186.83	290.05	77.99	212.07	1.368 Level 3		
15,000.00	7,900.00	15,052.29	8,030.00	114.01	114.80	116.99	6,837.07	-1,188.01	288.69	73.97	214.72	1.344 Level 3		
15,100.00	7,900.00	15,152.28	8,030.00	115.52	116.34	117.13	6,937.06	-1,189.18	287.32	69.95	217.37	1.322 Level 3		
15,200.00	7,900.00	15,252.27	8,030.00	117.04	117.87	117.27	7,037.04	-1,190.36	285.96	65.94	220.02	1.300 Level 3		
15,300.00	7,900.00	15,352.25	8,030.00	118.55	119.40	117.41	7,137.02	-1,191.54	284.60	61.94	222.66	1.278 Level 3		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4J-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	15,452.24	8,030.00	120.07	120.94	117.55	7,237.00	-1,192.72	283.24	57.95	225.29	1.257	Level 3	
15,500.00	7,900.00	15,552.23	8,030.00	121.59	122.48	117.70	7,336.98	-1,193.90	281.88	53.96	227.92	1.237	Level 2	
15,600.00	7,900.00	15,652.22	8,030.00	123.11	124.02	117.84	7,436.96	-1,195.08	280.52	49.98	230.55	1.217	Level 2	
15,700.00	7,900.00	15,752.21	8,030.00	124.63	125.56	117.99	7,536.94	-1,196.26	279.17	46.01	233.17	1.197	Level 2	
15,800.00	7,900.00	15,852.20	8,030.00	126.15	127.10	118.14	7,636.92	-1,197.44	277.82	42.04	235.78	1.178	Level 2	
15,900.00	7,900.00	15,952.18	8,030.00	127.67	128.65	118.29	7,736.91	-1,198.62	276.47	38.08	238.38	1.160	Level 2	
16,000.00	7,900.00	16,052.17	8,030.00	129.20	130.19	118.44	7,836.89	-1,199.79	275.12	34.14	240.98	1.142	Level 2	
16,100.00	7,900.00	16,152.16	8,030.00	130.73	131.74	118.59	7,936.87	-1,200.97	273.77	30.20	243.58	1.124	Level 2	
16,200.00	7,900.00	16,252.15	8,030.00	132.25	133.28	118.74	8,036.85	-1,202.15	272.43	26.27	246.16	1.107	Level 2	
16,300.00	7,900.00	16,352.14	8,030.00	133.78	134.83	118.90	8,136.83	-1,203.33	271.09	22.35	248.74	1.090	Level 2	
16,400.00	7,900.00	16,452.13	8,030.00	135.31	136.38	119.06	8,236.81	-1,204.51	269.75	18.44	251.31	1.073	Level 2	
16,500.00	7,900.00	16,551.59	8,030.00	136.84	137.92	119.21	8,336.27	-1,205.68	268.41	14.60	253.82	1.058	Level 2	
16,540.57	7,900.00	16,589.09	8,030.00	137.47	138.50	119.24	8,373.77	-1,205.79	268.18	13.62	254.57	1.053	Level 2	
16,600.00	7,900.00	16,644.03	8,030.00	138.38	139.33	119.19	8,428.70	-1,205.07	268.68	12.94	255.74	1.051	Level 2, ES, SF	
16,700.00	7,900.00	16,736.36	8,030.00	139.91	140.72	118.85	8,520.96	-1,201.48	271.77	13.85	257.91	1.054	Level 2	
16,800.00	7,900.00	16,833.70	8,030.00	141.44	142.17	118.27	8,618.10	-1,195.29	277.04	15.90	261.14	1.061	Level 2	
16,900.00	7,900.00	16,933.51	8,030.00	142.98	143.64	117.67	8,717.70	-1,188.78	282.50	17.72	264.78	1.067	Level 2	
17,000.00	7,900.00	17,033.32	8,030.00	144.52	145.12	117.10	8,817.30	-1,182.26	287.98	19.59	268.39	1.073	Level 2	
17,100.00	7,900.00	17,133.13	8,030.00	146.05	146.60	116.55	8,916.89	-1,175.75	293.49	21.52	271.97	1.079	Level 2	
17,200.00	7,900.00	17,232.94	8,030.00	147.59	148.08	116.03	9,016.49	-1,169.24	299.02	23.50	275.52	1.085	Level 2	
17,300.00	7,900.00	17,332.75	8,030.00	149.13	149.56	115.52	9,116.09	-1,162.73	304.58	25.52	279.06	1.091	Level 2	
17,400.00	7,900.00	17,432.56	8,030.00	150.67	151.05	115.03	9,215.68	-1,156.22	310.17	27.59	282.57	1.098	Level 2	
17,500.00	7,900.00	17,532.37	8,030.00	152.21	152.53	114.55	9,315.28	-1,149.71	315.77	29.71	286.06	1.104	Level 2	
17,600.00	7,900.00	17,632.18	8,030.00	153.75	154.02	114.09	9,414.88	-1,143.19	321.40	31.86	289.54	1.110	Level 2	
17,700.00	7,900.00	17,731.98	8,030.00	155.29	155.50	113.65	9,514.47	-1,136.68	327.04	34.05	292.99	1.116	Level 2	
17,800.00	7,900.00	17,831.79	8,030.00	156.84	156.99	113.23	9,614.07	-1,130.17	332.71	36.28	296.43	1.122	Level 2	
17,900.00	7,900.00	17,931.60	8,030.00	158.38	158.42	112.82	9,713.67	-1,123.66	338.39	38.62	299.77	1.129	Level 2	
17,930.78	7,900.00	17,962.32	8,030.00	158.86	158.81	112.69	9,744.32	-1,121.65	340.14	39.41	300.73	1.131	Level 2	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4K-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	-179.46	-29.87	-0.28	29.87					
100.00	100.00	101.00	99.00	0.14	0.14	-179.46	-29.87	-0.28	29.87	29.59	0.28	106.835		
200.00	200.00	201.00	199.00	0.50	0.50	-179.46	-29.87	-0.28	29.87	28.88	1.00	29.975		
300.00	300.00	301.00	299.00	0.85	0.86	-179.46	-29.87	-0.28	29.87	28.16	1.71	17.433		
400.00	400.00	401.00	399.00	1.21	1.22	-179.46	-29.87	-0.28	29.87	27.44	2.43	12.291		
500.00	500.00	501.00	499.00	1.57	1.58	-179.46	-29.87	-0.28	29.87	26.72	3.15	9.491		
600.00	600.00	601.00	599.00	1.93	1.93	-179.46	-29.87	-0.28	29.87	26.01	3.86	7.730		
700.00	700.00	701.00	699.00	2.29	2.29	-179.46	-29.87	-0.28	29.87	25.29	4.58	6.520		
800.00	799.98	801.02	798.98	2.64	2.65	-78.74	-29.87	-0.28	29.48	24.19	5.29	5.575		
900.00	899.84	901.16	898.84	2.98	3.01	-88.96	-29.87	-0.28	28.92	22.93	5.99	4.827		
907.43	907.25	906.25	906.25	3.01	3.03	-90.00	-29.87	-0.28	28.91	22.88	6.04	4.791 CC, ES		
1,000.00	999.45	1,001.55	998.45	3.33	3.37	-105.73	-29.87	-0.28	30.05	23.35	6.70	4.484		
1,100.00	1,098.70	1,102.30	1,097.70	3.70	3.73	-124.91	-29.87	-0.28	35.37	27.95	7.42	4.766		
1,200.00	1,197.47	1,196.47	1,196.47	4.08	4.07	-140.81	-29.87	-0.28	46.19	38.07	8.12	5.689		
1,300.00	1,295.62	1,296.32	1,296.30	4.47	4.42	-151.08	-30.44	-1.80	60.91	52.09	8.82	6.903		
1,400.00	1,393.06	1,396.82	1,396.67	4.90	4.76	-156.99	-32.24	-6.61	76.98	67.46	9.52	8.086		
1,500.00	1,489.64	1,497.95	1,497.42	5.36	5.11	-160.60	-35.29	-14.78	93.69	83.47	10.22	9.167		
1,600.00	1,585.63	1,599.91	1,598.61	5.85	5.47	-162.80	-39.63	-26.38	109.57	98.64	10.92	10.029		
1,700.00	1,681.60	1,702.92	1,700.34	6.35	5.84	-163.81	-45.30	-41.52	122.32	110.69	11.63	10.513		
1,800.00	1,777.57	1,805.38	1,800.92	6.87	6.23	-164.06	-52.14	-59.82	131.93	119.57	12.36	10.672		
1,900.00	1,873.55	1,904.99	1,898.53	7.40	6.63	-164.13	-59.10	-78.42	140.74	127.62	13.12	10.729		
2,000.00	1,969.52	2,004.61	1,996.14	7.94	7.03	-164.19	-66.06	-97.02	149.55	135.67	13.88	10.773		
2,100.00	2,065.49	2,104.22	2,093.75	8.48	7.44	-164.24	-73.02	-115.62	158.36	143.71	14.65	10.808		
2,200.00	2,161.47	2,203.83	2,191.37	9.03	7.86	-164.29	-79.97	-134.22	167.17	151.74	15.43	10.835		
2,300.00	2,257.44	2,303.44	2,288.98	9.58	8.28	-164.34	-86.93	-152.82	175.98	159.77	16.21	10.857		
2,400.00	2,353.41	2,403.05	2,386.59	10.14	8.71	-164.38	-93.89	-171.42	184.79	167.79	16.99	10.874		
2,500.00	2,449.39	2,502.66	2,484.20	10.70	9.15	-164.41	-100.85	-190.02	193.60	175.81	17.78	10.887		
2,600.00	2,545.36	2,602.27	2,581.81	11.27	9.58	-164.45	-107.80	-208.62	202.40	183.83	18.57	10.897		
2,700.00	2,641.33	2,701.88	2,679.42	11.83	10.03	-164.48	-114.76	-227.22	211.21	191.85	19.37	10.905		
2,800.00	2,737.31	2,801.49	2,777.03	12.40	10.47	-164.50	-121.72	-245.82	220.02	199.86	20.17	10.911		
2,900.00	2,833.28	2,901.11	2,874.65	12.97	10.91	-164.53	-128.68	-264.42	228.83	207.87	20.96	10.915		
3,000.00	2,929.25	3,000.72	2,972.26	13.54	11.36	-164.55	-135.64	-283.02	237.64	215.88	21.77	10.918		
3,100.00	3,025.23	3,100.33	3,069.87	14.11	11.81	-164.58	-142.59	-301.62	246.45	223.88	22.57	10.920		
3,200.00	3,121.20	3,200.06	3,167.48	14.69	12.27	-164.60	-149.55	-320.22	255.26	231.89	23.37	10.921		
3,300.00	3,217.17	3,300.45	3,265.09	15.26	12.72	-164.62	-156.51	-338.82	264.07	239.89	24.18	10.920		
3,400.00	3,313.15	3,400.84	3,362.70	15.84	13.18	-164.63	-163.47	-357.42	272.88	247.89	24.99	10.919		
3,500.00	3,409.12	3,498.77	3,460.32	16.42	13.63	-164.65	-170.42	-376.02	281.69	255.90	25.79	10.921		
3,600.00	3,505.09	3,601.62	3,557.93	16.99	14.10	-164.67	-177.38	-394.62	290.50	263.88	26.61	10.915		
3,700.00	3,601.07	3,698.00	3,655.54	17.57	14.54	-164.68	-184.34	-413.22	299.31	271.90	27.41	10.919		
3,800.00	3,697.04	3,802.39	3,753.15	18.15	15.03	-164.70	-191.30	-431.82	308.12	279.88	28.24	10.910		
3,900.00	3,793.01	3,897.22	3,850.76	18.73	15.46	-164.71	-198.25	-450.43	316.93	287.89	29.03	10.916		
4,000.00	3,888.99	4,003.17	3,948.37	19.31	15.95	-164.72	-205.21	-469.03	325.74	295.87	29.87	10.905		
4,100.00	3,984.96	4,103.56	4,045.98	19.89	16.42	-164.73	-212.17	-487.63	334.55	303.86	30.69	10.902		
4,200.00	4,080.93	4,203.95	4,143.60	20.47	16.89	-164.74	-219.13	-506.23	343.36	311.85	31.50	10.899		
4,300.00	4,176.91	4,295.66	4,241.21	21.05	17.31	-164.76	-226.09	-524.83	352.17	319.88	32.29	10.908		
4,400.00	4,272.88	4,395.27	4,338.82	21.63	17.77	-164.77	-233.04	-543.43	360.97	327.87	33.10	10.905		
4,500.00	4,368.85	4,505.12	4,436.43	22.21	18.29	-164.78	-240.00	-562.03	369.78	335.83	33.96	10.890		
4,600.00	4,464.83	4,605.50	4,534.04	22.80	18.75	-164.78	-246.96	-580.63	378.59	343.82	34.78	10.887		
4,700.00	4,560.80	4,694.11	4,631.65	23.38	19.17	-164.79	-253.92	-599.23	387.40	351.86	35.55	10.898		
4,800.00	4,656.77	4,806.28	4,729.27	23.96	19.69	-164.80	-260.87	-617.83	396.21	359.80	36.41	10.881		
4,900.00	4,752.75	4,906.67	4,826.88	24.54	20.16	-164.81	-267.83	-636.43	405.02	367.79	37.23	10.878		
5,000.00	4,848.72	5,007.06	4,924.49	25.13	20.63	-164.82	-274.79	-655.03	413.83	375.78	38.05	10.875		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4K-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
5,100.00	4,944.69	5,107.45	5,022.10	25.71	21.10	-164.83	-281.75	-673.63	422.64	383.77	38.87	10.872		
5,200.00	5,040.67	5,207.84	5,119.71	26.29	21.57	-164.83	-288.71	-692.23	431.45	391.76	39.69	10.869		
5,300.00	5,136.64	5,308.23	5,217.32	26.88	22.04	-164.84	-295.66	-710.83	440.26	399.75	40.52	10.866		
5,400.00	5,232.61	5,391.39	5,314.93	27.46	22.43	-164.85	-302.62	-729.43	449.07	407.80	41.27	10.882		
5,500.00	5,328.59	5,491.00	5,412.55	28.05	22.90	-164.85	-309.58	-748.03	457.88	415.79	42.09	10.879		
5,600.00	5,424.56	5,609.39	5,510.16	28.63	23.45	-164.86	-316.54	-766.63	466.69	423.71	42.98	10.858		
5,700.00	5,520.53	5,709.78	5,607.77	29.21	23.93	-164.86	-323.49	-785.23	475.50	431.70	43.80	10.855		
5,800.00	5,616.51	5,789.83	5,705.38	29.80	24.30	-164.87	-330.45	-803.83	484.31	439.77	44.54	10.873		
5,900.00	5,712.48	5,889.44	5,802.99	30.38	24.77	-164.88	-337.41	-822.43	493.12	447.76	45.36	10.870		
6,000.00	5,808.45	5,989.05	5,900.60	30.97	25.24	-164.88	-344.37	-841.03	501.93	455.75	46.18	10.868		
6,100.00	5,904.43	6,078.58	5,988.46	31.55	25.65	-164.92	-350.40	-857.16	511.42	464.48	46.94	10.895		
6,200.00	6,000.96	6,163.76	6,072.48	32.11	26.02	-165.05	-355.29	-870.23	521.58	473.95	47.63	10.951		
6,300.00	6,098.34	6,248.74	6,156.69	32.62	26.37	-165.18	-359.30	-880.94	531.13	482.87	48.26	11.005		
6,400.00	6,196.46	6,333.54	6,241.02	33.08	26.70	-165.33	-362.42	-889.29	540.07	491.23	48.84	11.058		
6,500.00	6,295.19	6,418.18	6,325.41	33.50	27.00	-165.49	-364.66	-895.29	548.41	499.04	49.37	11.109		
6,600.00	6,394.41	6,502.65	6,409.79	33.87	27.29	-165.66	-366.03	-898.95	556.12	506.29	49.83	11.159		
6,700.00	6,494.01	6,586.98	6,494.10	34.21	27.54	-165.83	-366.53	-900.27	563.21	512.97	50.24	11.210		
6,800.00	6,593.86	6,685.74	6,592.86	34.51	27.83	-165.99	-366.53	-900.28	568.49	517.64	50.85	11.179		
6,900.00	6,693.83	6,785.71	6,692.83	34.77	28.12	-166.04	-366.53	-900.28	570.39	518.92	51.47	11.081		
7,000.00	6,793.83	6,885.71	6,792.83	35.01	28.41	89.94	-366.53	-900.28	570.40	518.31	52.09	10.951		
7,100.00	6,893.83	6,985.71	6,892.83	35.25	28.70	89.94	-366.53	-900.28	570.40	517.70	52.70	10.823		
7,200.00	6,993.83	7,085.71	6,992.83	35.49	28.99	89.94	-366.53	-900.28	570.40	517.08	53.32	10.697		
7,300.00	7,093.83	7,185.71	7,092.83	35.73	29.29	89.94	-366.53	-900.28	570.40	516.46	53.94	10.574		
7,400.00	7,193.83	7,286.15	7,193.27	35.98	29.59	89.74	-366.47	-900.28	570.40	515.82	54.57	10.452		
7,500.00	7,293.40	7,391.04	7,297.67	36.21	29.88	89.76	-357.44	-900.82	569.85	514.62	55.23	10.318		
7,600.00	7,390.83	7,495.81	7,399.52	36.41	30.15	89.78	-333.33	-902.26	568.40	512.60	55.80	10.187		
7,700.00	7,484.24	7,600.35	7,496.56	36.58	30.38	89.80	-294.76	-904.57	566.07	509.78	56.29	10.057		
7,800.00	7,571.80	7,704.56	7,586.67	36.72	30.57	89.83	-242.70	-907.68	562.91	506.21	56.71	9.927		
7,900.00	7,651.80	7,808.33	7,667.95	36.81	30.71	89.86	-178.43	-911.52	559.00	501.91	57.09	9.792		
8,000.00	7,722.70	7,911.60	7,738.76	36.86	30.81	89.89	-103.52	-916.00	554.41	496.95	57.47	9.648		
8,100.00	7,783.11	8,014.30	7,797.76	36.88	30.87	89.92	-19.72	-921.01	549.25	491.38	57.87	9.491		
8,200.00	7,831.85	8,116.38	7,843.92	36.87	30.91	89.95	71.07	-926.43	543.62	485.28	58.34	9.319		
8,300.00	7,867.98	8,217.82	7,876.53	36.85	30.94	89.98	166.86	-932.16	537.64	478.76	58.88	9.131		
8,400.00	7,890.79	8,318.61	7,895.19	36.83	31.01	90.01	265.65	-938.06	531.43	471.93	59.50	8.932		
8,500.00	7,899.84	8,418.73	7,900.00	36.82	31.15	90.05	365.41	-944.02	525.12	464.91	60.21	8.721		
8,600.00	7,900.00	8,518.53	7,900.00	36.85	31.44	90.11	465.03	-949.98	518.80	457.69	61.11	8.490		
8,700.00	7,900.00	8,619.51	7,900.00	36.94	31.88	90.11	565.82	-956.21	512.27	450.08	62.19	8.237		
8,800.00	7,900.00	8,719.29	7,900.00	37.08	32.44	90.11	665.41	-962.39	505.72	442.33	63.40	7.977		
8,900.00	7,900.00	8,819.08	7,900.00	37.29	33.11	90.12	765.00	-968.58	499.17	434.43	64.74	7.711		
9,000.00	7,900.00	8,918.87	7,900.00	37.59	33.86	90.12	864.60	-974.76	492.63	426.41	66.21	7.440		
9,100.00	7,900.00	9,018.65	7,900.00	37.97	34.69	90.12	964.19	-980.94	486.08	418.27	67.80	7.169		
9,200.00	7,900.00	9,118.44	7,900.00	38.44	35.57	90.12	1,063.78	-987.12	479.53	410.02	69.51	6.899		
9,300.00	7,900.00	9,218.22	7,900.00	39.00	36.51	90.12	1,163.38	-993.30	472.98	401.67	71.32	6.632		
9,400.00	7,900.00	9,318.01	7,900.00	39.65	37.49	90.12	1,262.97	-999.49	466.44	393.21	73.22	6.370		
9,500.00	7,900.00	9,417.79	7,900.00	40.38	38.52	90.12	1,362.57	-1,005.67	459.89	384.67	75.21	6.114		
9,600.00	7,900.00	9,517.58	7,900.00	41.18	39.60	90.13	1,462.16	-1,011.85	453.34	376.05	77.29	5.866		
9,700.00	7,900.00	9,617.36	7,900.00	42.04	40.71	90.13	1,561.75	-1,018.03	446.79	367.35	79.44	5.624		
9,800.00	7,900.00	9,717.15	7,900.00	42.96	41.85	90.13	1,661.35	-1,024.21	440.24	358.58	81.66	5.391		
9,900.00	7,900.00	9,816.93	7,900.00	43.93	43.03	90.13	1,760.94	-1,030.39	433.70	349.75	83.95	5.166		
10,000.00	7,900.00	9,916.72	7,900.00	44.94	44.23	90.13	1,860.53	-1,036.58	427.15	340.86	86.29	4.950		
10,100.00	7,900.00	10,016.50	7,900.00	45.99	45.46	90.14	1,960.13	-1,042.76	420.60	331.92	88.69	4.743		
10,200.00	7,900.00	10,107.80	7,900.00	47.07	46.60	90.14	2,051.28	-1,047.81	414.74	324.04	90.70	4.573		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4K-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
10,300.00	7,900.00	10,195.15	7,900.00	48.19	47.68	90.14	2,138.60	-1,050.11	411.76	319.29	92.48	4.453	
10,400.00	7,900.00	10,309.38	7,900.00	49.33	49.09	90.14	2,234.07	-1,050.28	411.21	316.29	94.92	4.332	
10,500.00	7,900.00	10,409.38	7,900.00	50.50	50.34	90.14	2,334.07	-1,050.28	410.86	313.43	97.43	4.217	
10,600.00	7,900.00	10,509.38	7,900.00	51.69	51.61	90.14	2,434.07	-1,050.28	410.51	310.53	99.98	4.106	
10,700.00	7,900.00	10,609.38	7,900.00	52.91	52.90	90.14	2,534.07	-1,050.28	410.15	307.60	102.55	3.999	
10,800.00	7,900.00	10,709.38	7,900.00	54.14	54.20	90.14	2,634.07	-1,050.28	409.80	304.63	105.16	3.897	
10,900.00	7,900.00	10,809.38	7,900.00	55.39	55.51	90.14	2,734.07	-1,050.28	409.45	301.64	107.80	3.798	
11,000.00	7,900.00	10,909.38	7,900.00	56.66	56.84	90.14	2,834.07	-1,050.28	409.09	298.62	110.47	3.703	
11,100.00	7,900.00	10,990.62	7,900.00	57.95	57.93	90.14	2,934.07	-1,050.28	408.74	295.83	112.91	3.620	
11,200.00	7,900.00	11,109.38	7,900.00	59.25	59.54	90.14	3,034.06	-1,050.28	408.39	292.50	115.88	3.524	
11,300.00	7,900.00	11,209.38	7,900.00	60.56	60.90	90.14	3,134.06	-1,050.28	408.03	289.41	118.62	3.440	
11,400.00	7,900.00	11,309.38	7,900.00	61.89	62.28	90.14	3,234.06	-1,050.28	407.68	286.30	121.38	3.359	
11,500.00	7,900.00	11,409.38	7,900.00	63.23	63.66	90.14	3,334.06	-1,050.28	407.33	283.17	124.16	3.281	
11,600.00	7,900.00	11,509.38	7,900.00	64.57	65.05	90.14	3,434.06	-1,050.28	406.97	280.02	126.96	3.206	
11,700.00	7,900.00	11,609.39	7,900.00	65.93	66.46	90.14	3,534.06	-1,050.28	406.62	276.85	129.77	3.133	
11,800.00	7,900.00	11,709.39	7,900.00	67.30	67.87	90.14	3,634.06	-1,050.28	406.27	273.67	132.60	3.064	
11,900.00	7,900.00	11,809.39	7,900.00	68.68	69.28	90.14	3,734.06	-1,050.28	405.91	270.47	135.44	2.997	
12,000.00	7,900.00	11,909.39	7,900.00	70.07	70.71	90.14	3,834.06	-1,050.28	405.56	267.26	138.30	2.932	
12,100.00	7,900.00	12,009.39	7,900.00	71.46	72.14	90.14	3,934.06	-1,050.28	405.21	264.03	141.17	2.870	
12,200.00	7,900.00	12,109.39	7,900.00	72.86	73.57	90.14	4,034.06	-1,050.28	404.85	260.80	144.06	2.810	
12,300.00	7,900.00	12,209.39	7,900.00	74.27	75.02	90.14	4,134.06	-1,050.28	404.50	257.55	146.95	2.753	
12,400.00	7,900.00	12,309.39	7,900.00	75.69	76.46	90.14	4,234.06	-1,050.28	404.15	254.29	149.86	2.697	
12,500.00	7,900.00	12,409.39	7,900.00	77.11	77.92	90.14	4,334.06	-1,050.28	403.79	251.02	152.77	2.643	
12,600.00	7,900.00	12,490.61	7,900.00	78.54	79.10	90.14	4,434.06	-1,050.28	403.44	248.02	155.42	2.596	
12,647.62	7,900.00	12,536.80	7,900.00	79.22	79.77	90.14	4,480.25	-1,050.26	403.29	246.58	156.71	2.574	
12,700.00	7,900.00	12,582.72	7,900.00	79.97	80.44	90.14	4,526.16	-1,049.73	403.71	245.97	157.74	2.559	
12,800.00	7,900.00	12,670.28	7,900.00	81.41	81.69	90.14	4,613.67	-1,046.68	406.84	247.24	159.60	2.549	
12,900.00	7,900.00	12,757.97	7,900.00	82.85	82.92	90.14	4,701.17	-1,040.95	413.02	251.67	161.35	2.560	
13,000.00	7,900.00	12,857.68	7,900.00	84.30	84.30	90.14	4,800.56	-1,033.01	420.63	256.41	164.22	2.561	
13,100.00	7,900.00	12,957.39	7,900.00	85.76	85.69	90.13	4,899.95	-1,025.07	428.24	261.14	167.11	2.563	
13,200.00	7,900.00	13,057.10	7,900.00	87.22	87.09	90.13	4,999.35	-1,017.13	435.85	265.86	170.00	2.564	
13,300.00	7,900.00	13,156.81	7,900.00	88.68	88.49	90.13	5,098.74	-1,009.19	443.46	270.57	172.90	2.565	
13,400.00	7,900.00	13,256.52	7,900.00	90.14	89.89	90.13	5,198.13	-1,001.25	451.07	275.27	175.80	2.566	
13,500.00	7,900.00	13,356.23	7,900.00	91.61	91.30	90.13	5,297.53	-993.31	458.68	279.97	178.71	2.567	
13,600.00	7,900.00	13,455.94	7,900.00	93.09	92.71	90.12	5,396.92	-985.37	466.29	284.66	181.63	2.567	
13,700.00	7,900.00	13,555.65	7,900.00	94.56	94.12	90.12	5,496.31	-977.43	473.91	289.35	184.56	2.568	
13,800.00	7,900.00	13,655.36	7,900.00	96.04	95.54	90.12	5,595.71	-969.49	481.52	294.03	187.49	2.568	
13,900.00	7,900.00	13,755.07	7,900.00	97.53	96.96	90.12	5,695.10	-961.55	489.13	298.70	190.43	2.569	
14,000.00	7,900.00	13,854.78	7,900.00	99.01	98.39	90.12	5,794.49	-953.61	496.74	303.37	193.37	2.569	
14,100.00	7,900.00	13,954.49	7,900.00	100.50	99.82	90.11	5,893.89	-945.68	504.35	308.03	196.32	2.569	
14,200.00	7,900.00	14,054.20	7,900.00	101.99	101.25	90.11	5,993.28	-937.74	511.96	312.69	199.27	2.569	
14,300.00	7,900.00	14,153.91	7,900.00	103.49	102.68	90.11	6,092.67	-929.80	519.57	317.34	202.23	2.569	
14,400.00	7,900.00	14,253.62	7,900.00	104.98	104.12	90.11	6,192.07	-921.86	527.18	321.99	205.19	2.569	
14,500.00	7,900.00	14,353.33	7,900.00	106.48	105.56	90.11	6,291.46	-913.92	534.79	326.64	208.15	2.569	
14,600.00	7,900.00	14,453.04	7,900.00	107.98	107.00	90.11	6,390.85	-905.98	542.40	331.28	211.12	2.569	
14,700.00	7,900.00	14,552.75	7,900.00	109.49	108.45	90.10	6,490.25	-898.04	550.01	335.91	214.10	2.569	
14,800.00	7,900.00	14,652.46	7,900.00	110.99	109.89	90.10	6,589.64	-890.10	557.62	340.55	217.07	2.569	
14,900.00	7,900.00	14,752.17	7,900.00	112.50	111.34	90.10	6,689.03	-882.16	565.23	345.18	220.05	2.569	
15,000.00	7,900.00	14,851.88	7,900.00	114.01	112.80	90.10	6,788.43	-874.22	572.84	349.80	223.04	2.568	
15,100.00	7,900.00	14,951.59	7,900.00	115.52	114.25	90.10	6,887.82	-866.28	580.45	354.42	226.03	2.568	
15,200.00	7,900.00	15,051.30	7,900.00	117.04	115.71	90.10	6,987.21	-858.34	588.06	359.04	229.02	2.568	
15,300.00	7,900.00	15,151.01	7,900.00	118.55	117.16	90.10	7,086.61	-850.40	595.67	363.66	232.01	2.567	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4K-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	15,250.72	7,900.00	120.07	118.62	90.10	7,186.00	-842.46	603.28	368.27	235.01	2.567		
15,500.00	7,900.00	15,350.43	7,900.00	121.59	120.09	90.09	7,285.39	-834.52	610.89	372.88	238.01	2.567		
15,600.00	7,900.00	15,450.14	7,900.00	123.11	121.55	90.09	7,384.79	-826.58	618.50	377.49	241.01	2.566		
15,700.00	7,900.00	15,575.25	7,900.00	124.63	123.41	90.09	7,509.65	-818.98	624.26	378.41	245.85	2.539		
15,800.00	7,900.00	15,703.15	7,900.00	126.15	125.36	90.09	7,637.52	-816.84	625.59	375.10	250.48	2.498		
15,900.00	7,900.00	15,807.29	7,900.00	127.67	126.97	90.09	7,741.66	-818.05	624.06	370.30	253.76	2.459		
16,000.00	7,900.00	15,907.28	7,900.00	129.20	128.52	90.09	7,841.64	-819.27	622.49	365.64	256.85	2.424		
16,100.00	7,900.00	16,007.26	7,900.00	130.73	130.07	90.09	7,941.62	-820.49	620.91	360.97	259.94	2.389		
16,200.00	7,900.00	16,107.25	7,900.00	132.25	131.62	90.09	8,041.60	-821.71	619.34	356.31	263.03	2.355		
16,300.00	7,900.00	16,207.24	7,900.00	133.78	133.17	90.09	8,141.58	-822.93	617.76	351.64	266.12	2.321		
16,400.00	7,900.00	16,307.23	7,900.00	135.31	134.72	90.09	8,241.56	-824.16	616.19	346.97	269.21	2.289		
16,500.00	7,900.00	16,407.21	7,900.00	136.84	136.27	90.09	8,341.54	-825.38	614.61	342.30	272.31	2.257		
16,600.00	7,900.00	16,507.20	7,900.00	138.38	137.83	90.09	8,441.52	-826.60	613.04	337.63	275.40	2.226		
16,700.00	7,900.00	16,607.19	7,900.00	139.91	139.38	90.09	8,541.50	-827.82	611.46	332.96	278.50	2.196		
16,800.00	7,900.00	16,707.18	7,900.00	141.44	140.94	90.09	8,641.48	-829.04	609.89	328.28	281.60	2.166		
16,900.00	7,900.00	16,807.16	7,900.00	142.98	142.49	90.09	8,741.46	-830.26	608.31	323.61	284.71	2.137		
17,000.00	7,900.00	16,907.15	7,900.00	144.52	144.05	90.09	8,841.44	-831.49	606.74	318.93	287.81	2.108		
17,100.00	7,900.00	17,007.14	7,900.00	146.05	145.61	90.09	8,941.42	-832.71	605.16	314.25	290.91	2.080		
17,200.00	7,900.00	17,107.13	7,900.00	147.59	147.17	90.09	9,041.40	-833.93	603.59	309.57	294.02	2.053		
17,300.00	7,900.00	17,207.11	7,900.00	149.13	148.73	90.10	9,141.38	-835.15	602.01	304.88	297.13	2.026		
17,400.00	7,900.00	17,307.10	7,900.00	150.67	150.29	90.10	9,241.36	-836.37	600.44	300.20	300.24	2.000		
17,500.00	7,900.00	17,407.09	7,900.00	152.21	151.85	90.10	9,341.34	-837.59	598.86	295.51	303.35	1.974		
17,600.00	7,900.00	17,507.08	7,900.00	153.75	153.41	90.10	9,441.32	-838.81	597.29	290.83	306.46	1.949		
17,700.00	7,900.00	17,607.06	7,900.00	155.29	154.95	90.10	9,541.30	-840.04	595.71	286.16	309.55	1.924		
17,725.02	7,900.00	17,622.70	7,900.00	155.68	155.15	90.10	9,556.94	-840.23	595.39	285.59	309.80	1.922 SF		
17,800.00	7,900.00	17,622.70	7,900.00	156.84	155.15	90.10	9,556.94	-840.23	600.09	294.39	305.70	1.963		
17,900.00	7,900.00	17,622.70	7,900.00	158.38	155.15	90.10	9,556.94	-840.23	620.57	326.67	293.91	2.111		
17,930.78	7,900.00	17,622.70	7,900.00	158.86	155.15	90.10	9,556.94	-840.23	629.94	340.82	289.12	2.179		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4L-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	-179.60	-40.07	-0.28	40.07	39.79	0.28	143.312		
100.00	100.00	101.00	99.00	0.14	0.14	-179.60	-40.07	-0.28	40.07	39.07	1.00	40.210		
200.00	200.00	201.00	199.00	0.50	0.50	-179.60	-40.07	-0.28	40.07	38.36	1.71	23.484 CC, ES		
300.00	300.00	299.00	299.00	0.85	0.85	-179.60	-40.07	-0.28	40.07	38.45	2.41	16.948		
400.00	400.00	398.35	398.33	1.21	1.20	-177.48	-40.81	-1.79	40.86	38.45	3.11	13.995		
500.00	500.00	497.45	497.29	1.57	1.54	-171.57	-43.07	-6.38	43.58	40.46	3.82	12.816		
600.00	600.00	596.08	595.55	1.93	1.90	-163.35	-46.82	-14.00	48.98	53.17	4.53	12.732		
700.00	700.00	694.52	693.30	2.29	2.27	-154.80	-51.96	-24.45	57.71	61.51	5.28	12.650		
800.00	799.98	806.08	791.91	2.64	2.70	-45.06	-57.48	-35.69	66.79	67.78	5.98	12.326		
900.00	899.84	906.37	890.82	2.98	3.09	-42.52	-63.02	-46.96	73.76	71.53	6.70	11.677		
1,000.00	999.45	1,006.48	989.92	3.33	3.48	-42.11	-68.58	-58.25	78.23	72.70	7.43	10.786		
1,100.00	1,098.70	1,106.52	1,089.08	3.70	3.88	-43.43	-74.13	-69.55	80.13	71.49	8.13	9.794		
1,200.00	1,197.47	1,193.39	1,188.19	4.08	4.23	-46.48	-79.68	-80.84	79.63	68.17	8.96	8.605		
1,300.00	1,295.62	1,306.89	1,287.12	4.47	4.68	-51.56	-85.23	-92.11	77.13	63.63	9.80	7.492		
1,400.00	1,393.06	1,407.46	1,385.76	4.90	5.09	-59.19	-90.75	-103.35	73.43	59.15	10.72	6.520		
1,500.00	1,489.64	1,508.46	1,483.97	5.36	5.49	-70.04	-96.26	-114.54	69.87	57.27	11.43	6.010		
1,580.89	1,567.35	1,571.39	1,563.19	5.75	5.75	-80.55	-100.69	-123.57	68.70	57.05	11.69	5.878		
1,600.00	1,585.63	1,609.78	1,581.86	5.85	5.90	-83.28	-101.74	-125.69	68.74	58.83	12.56	5.684		
1,700.00	1,681.60	1,688.88	1,679.74	6.35	6.22	-96.28	-107.22	-136.85	71.38	64.00	13.43	5.764		
1,800.00	1,777.57	1,787.55	1,777.63	6.87	6.62	-107.82	-112.71	-148.00	77.43	71.93	14.24	6.051		
1,900.00	1,873.55	1,886.22	1,875.51	7.40	7.02	-117.41	-118.19	-159.15	86.17	15.01	15.75	6.919		
2,000.00	1,969.52	1,984.89	1,973.39	7.94	7.42	-125.08	-123.68	-170.30	96.87	108.96	16.48	7.403		
2,100.00	2,065.49	2,083.56	2,071.27	8.48	7.81	-131.17	-129.16	-181.46	108.96	118.56	17.22	7.886		
2,200.00	2,161.47	2,182.22	2,169.15	9.03	8.21	-136.00	-134.64	-192.61	122.02	132.08	17.95	8.357		
2,300.00	2,257.44	2,280.89	2,267.04	9.58	8.61	-139.89	-140.13	-203.76	135.78	145.98	18.69	8.809		
2,400.00	2,353.41	2,379.56	2,364.92	10.14	9.01	-143.06	-145.61	-214.91	150.04	160.15	19.44	9.239		
2,500.00	2,449.39	2,478.23	2,462.80	10.70	9.41	-145.67	-151.10	-226.07	164.67	174.53	20.19	9.646		
2,600.00	2,545.36	2,576.89	2,560.68	11.27	9.81	-147.86	-156.58	-237.22	179.59	189.08	20.94	10.031		
2,700.00	2,641.33	2,675.56	2,658.56	11.83	10.21	-149.70	-162.06	-248.37	194.72	203.77	21.69	10.394		
2,800.00	2,737.31	2,774.23	2,756.44	12.40	10.61	-151.29	-167.55	-259.52	210.02	218.56	22.45	10.736		
2,900.00	2,833.28	2,872.90	2,854.33	12.97	11.01	-152.65	-173.03	-270.68	225.46	233.43	23.21	11.058		
3,000.00	2,929.25	2,971.57	2,952.21	13.54	11.41	-153.84	-178.52	-281.83	241.01	248.38	23.97	11.362		
3,100.00	3,025.23	3,070.23	3,050.09	14.11	11.81	-154.89	-184.00	-292.98	256.64	263.39	24.73	11.649		
3,200.00	3,121.20	3,168.90	3,147.97	14.69	12.21	-155.82	-189.48	-304.13	272.35	278.45	25.50	11.920		
3,300.00	3,217.17	3,267.57	3,245.85	15.26	12.62	-156.64	-194.97	-315.29	288.13	293.55	26.27	12.176		
3,400.00	3,313.15	3,366.24	3,343.74	15.84	13.02	-157.38	-200.45	-326.44	303.95	308.69	27.03	12.418		
3,500.00	3,409.12	3,464.90	3,441.62	16.42	13.42	-158.05	-205.94	-337.59	319.82	323.86	27.80	12.648		
3,600.00	3,505.09	3,563.57	3,539.50	16.99	13.82	-158.65	-211.42	-348.74	335.73	339.06	28.57	12.866		
3,700.00	3,601.07	3,662.24	3,637.38	17.57	14.22	-159.20	-216.91	-359.90	351.67	354.29	29.35	13.073		
3,800.00	3,697.04	3,760.91	3,735.26	18.15	14.62	-159.70	-222.39	-371.05	367.64	369.53	30.12	13.270		
3,900.00	3,793.01	3,859.58	3,833.15	18.73	15.02	-160.16	-227.87	-382.20	383.63	384.80	30.89	13.457		
4,000.00	3,888.99	3,958.24	3,931.03	19.31	15.42	-160.58	-233.36	-393.35	399.65	400.08	31.66	13.635		
4,100.00	3,984.96	4,056.91	4,028.91	19.89	15.82	-160.97	-238.84	-404.51	415.69	415.37	32.44	13.805		
4,200.00	4,080.93	4,155.58	4,126.79	20.47	16.22	-161.34	-244.33	-415.66	431.74	430.68	33.21	13.967		
4,300.00	4,176.91	4,254.25	4,224.67	21.05	16.62	-161.67	-249.81	-426.81	447.81	446.00	33.99	14.122		
4,400.00	4,272.88	4,352.91	4,322.56	21.63	17.02	-161.98	-255.29	-437.96	463.89	461.33	34.76	14.270		
4,500.00	4,368.85	4,451.58	4,420.44	22.21	17.42	-162.27	-260.78	-449.12	479.99	476.67	35.54	14.412		
4,600.00	4,464.83	4,550.25	4,518.32	22.80	17.83	-162.55	-266.26	-460.27	496.10	492.02	36.32	14.548		
4,700.00	4,560.80	4,648.92	4,616.20	23.38	18.23	-162.80	-271.75	-471.42	512.21	507.38	37.10	14.678		
4,800.00	4,656.77	4,747.58	4,714.08	23.96	18.63	-163.04	-277.23	-482.57	528.34					
4,900.00	4,752.75	4,846.25	4,811.97	24.54	19.03	-163.27	-282.71	-493.73	544.47					
5,000.00	4,848.72	4,944.92	4,909.85	25.13	19.43	-163.48	-288.20	-504.88	560.62	522.74	37.87	14.803		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4L-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
5,100.00	4,944.69	5,043.59	5,007.73	25.71	19.83	-163.68	-293.68	-516.03	576.77	538.12	38.65	14.923		
5,200.00	5,040.67	5,142.26	5,105.61	26.29	20.23	-163.87	-299.17	-527.18	592.92	553.49	39.43	15.038		
5,300.00	5,136.64	5,240.92	5,203.49	26.88	20.63	-164.05	-304.65	-538.34	609.09	568.88	40.21	15.149		
5,400.00	5,232.61	5,339.59	5,301.37	27.46	21.03	-164.22	-310.13	-549.49	625.25	584.27	40.99	15.255		
5,500.00	5,328.59	5,438.26	5,399.26	28.05	21.43	-164.38	-315.62	-560.64	641.43	599.66	41.77	15.358		
5,600.00	5,424.56	5,536.93	5,497.14	28.63	21.84	-164.53	-321.10	-571.79	657.60	615.06	42.54	15.457		
5,700.00	5,520.53	5,635.59	5,595.02	29.21	22.24	-164.68	-326.59	-582.95	673.79	630.46	43.32	15.552		
5,800.00	5,616.51	5,734.26	5,692.90	29.80	22.64	-164.82	-332.07	-594.10	689.97	645.87	44.10	15.644		
5,900.00	5,712.48	5,832.93	5,790.78	30.38	23.04	-164.95	-337.55	-605.25	706.16	661.28	44.88	15.733		
6,000.00	5,808.45	5,931.60	5,888.67	30.97	23.44	-165.08	-343.04	-616.40	722.36	676.69	45.66	15.819		
6,100.00	5,904.43	6,030.27	5,986.55	31.55	23.84	-165.21	-348.52	-627.56	738.54	692.09	46.44	15.902		
6,200.00	6,000.96	6,129.24	6,084.74	32.11	24.24	-165.36	-354.02	-638.74	752.75	705.53	47.22	15.940		
6,300.00	6,098.34	6,220.07	6,174.87	32.62	24.61	-165.43	-358.97	-648.81	763.86	715.93	47.93	15.936		
6,400.00	6,196.46	6,300.00	6,254.40	33.08	24.92	-165.50	-362.49	-655.96	773.72	725.20	48.53	15.944		
6,500.00	6,295.19	6,380.44	6,334.63	33.50	25.22	-165.59	-365.03	-661.13	782.72	733.64	49.08	15.948		
6,600.00	6,394.41	6,460.43	6,414.54	33.87	25.50	-165.70	-366.58	-664.28	790.84	741.26	49.58	15.951		
6,700.00	6,494.01	6,540.31	6,494.41	34.21	25.76	-165.82	-367.14	-665.42	798.07	748.05	50.03	15.953		
6,800.00	6,593.86	6,638.76	6,592.86	34.51	26.06	-165.94	-367.14	-665.42	803.35	752.70	50.65	15.862		
6,900.00	6,693.83	6,738.73	6,692.83	34.77	26.36	-165.98	-367.14	-665.42	805.25	753.98	51.27	15.706		
7,000.00	6,793.83	6,838.73	6,792.83	35.01	26.66	90.00	-367.14	-665.42	805.26	753.38	51.88	15.521		
7,100.00	6,893.83	6,938.73	6,892.83	35.25	26.97	90.00	-367.14	-665.42	805.26	752.76	52.50	15.339		
7,200.00	6,993.83	7,038.73	6,992.83	35.49	27.27	90.00	-367.14	-665.42	805.26	752.14	53.12	15.160		
7,204.62	6,998.46	7,043.36	6,997.46	35.50	27.29	90.00	-367.14	-665.42	805.26	752.12	53.14	15.152		
7,300.00	7,093.83	7,138.61	7,092.69	35.73	27.58	89.96	-366.56	-665.42	805.26	751.53	53.73	14.988		
7,400.00	7,193.83	7,236.89	7,190.32	35.98	27.86	89.00	-355.88	-665.38	805.38	751.16	54.22	14.855		
7,500.00	7,293.40	7,332.62	7,283.14	36.21	28.11	87.87	-332.73	-665.30	805.82	751.23	54.59	14.762		
7,600.00	7,390.83	7,426.47	7,370.34	36.41	28.32	86.80	-298.22	-665.18	806.54	751.64	54.90	14.692		
7,700.00	7,484.24	7,518.65	7,450.88	36.58	28.49	85.79	-253.53	-665.02	807.47	752.33	55.15	14.642		
7,800.00	7,571.80	7,609.36	7,523.90	36.72	28.63	84.86	-199.81	-664.84	808.55	753.19	55.36	14.605		
7,900.00	7,651.80	7,698.80	7,588.68	36.81	28.73	84.03	-138.23	-664.62	809.70	754.14	55.56	14.574		
8,000.00	7,722.70	7,787.17	7,644.66	36.86	28.80	83.30	-69.92	-664.38	810.83	755.07	55.76	14.542		
8,100.00	7,783.11	7,874.66	7,691.39	36.88	28.84	82.69	3.98	-664.12	811.87	755.88	55.99	14.501		
8,200.00	7,831.85	7,961.45	7,728.50	36.87	28.85	82.21	82.38	-663.85	812.76	756.48	56.27	14.443		
8,300.00	7,867.98	8,047.74	7,755.73	36.85	28.84	81.87	164.20	-663.56	813.43	756.79	56.64	14.362		
8,400.00	7,890.79	8,133.68	7,772.89	36.83	28.81	81.66	248.36	-663.27	813.84	756.74	57.10	14.252		
8,500.00	7,899.84	8,219.45	7,779.84	36.82	29.05	81.59	333.80	-662.97	813.98	756.30	57.68	14.113		
8,600.00	7,900.00	8,316.92	7,780.00	36.85	29.54	81.59	431.27	-662.63	813.97	755.54	58.43	13.931		
8,700.00	7,900.00	8,416.92	7,780.00	36.94	30.10	81.59	531.27	-662.28	813.97	754.63	59.34	13.717		
8,800.00	7,900.00	8,516.92	7,780.00	37.08	30.73	81.59	631.27	-661.93	813.96	753.56	60.40	13.475		
8,900.00	7,900.00	8,616.92	7,780.00	37.29	31.42	81.59	731.26	-661.58	813.96	752.35	61.61	13.212		
9,000.00	7,900.00	8,716.92	7,780.00	37.59	32.17	81.59	831.26	-661.23	813.96	751.01	62.94	12.932		
9,100.00	7,900.00	8,816.92	7,780.00	37.97	32.97	81.59	931.26	-660.88	813.95	749.55	64.40	12.638		
9,200.00	7,900.00	8,916.92	7,780.00	38.44	33.83	81.59	1,031.26	-660.53	813.95	747.97	65.98	12.336		
9,300.00	7,900.00	9,016.92	7,780.00	39.00	34.74	81.59	1,131.26	-660.18	813.94	746.28	67.67	12.028		
9,400.00	7,900.00	9,116.92	7,780.00	39.65	35.69	81.59	1,231.26	-659.83	813.94	744.49	69.45	11.719		
9,500.00	7,900.00	9,216.92	7,780.00	40.38	36.68	81.59	1,331.26	-659.48	813.94	742.60	71.33	11.410		
9,600.00	7,900.00	9,316.92	7,780.00	41.18	37.71	81.59	1,431.26	-659.13	813.93	740.63	73.30	11.104		
9,700.00	7,900.00	9,416.92	7,780.00	42.04	38.78	81.59	1,531.26	-658.78	813.93	738.59	75.34	10.803		
9,800.00	7,900.00	9,516.92	7,780.00	42.96	39.88	81.59	1,631.26	-658.44	813.93	736.46	77.46	10.507		
9,900.00	7,900.00	9,616.92	7,780.00	43.93	41.01	81.59	1,731.26	-658.09	813.92	734.28	79.65	10.219		
10,000.00	7,900.00	9,716.92	7,780.00	44.94	42.17	81.59	1,831.26	-657.74	813.92	732.03	81.89	9.939		
10,100.00	7,900.00	9,816.92	7,780.00	45.99	43.36	81.59	1,931.26	-657.39	813.92	729.72	84.20	9.667		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4L-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
10,200.00	7,900.00	9,916.92	7,780.00	47.07	44.57	81.59	2,031.26	-657.04	813.91	727.36	86.55	9.404	
10,300.00	7,900.00	10,016.92	7,780.00	48.19	45.80	81.59	2,131.26	-656.69	813.91	724.95	88.96	9.150	
10,400.00	7,900.00	10,116.92	7,780.00	49.33	47.06	81.59	2,231.26	-656.34	813.90	722.50	91.40	8.905	
10,500.00	7,900.00	10,216.92	7,780.00	50.50	48.33	81.59	2,331.25	-655.99	813.90	720.01	93.89	8.668	
10,600.00	7,900.00	10,316.92	7,780.00	51.69	49.62	81.59	2,431.25	-655.64	813.90	717.48	96.42	8.441	
10,700.00	7,900.00	10,416.92	7,780.00	52.91	50.92	81.59	2,531.25	-655.29	813.89	714.91	98.98	8.223	
10,800.00	7,900.00	10,516.92	7,780.00	54.14	52.24	81.59	2,631.25	-654.94	813.89	712.32	101.57	8.013	
10,900.00	7,900.00	10,616.92	7,780.00	55.39	53.57	81.59	2,731.25	-654.59	813.89	709.69	104.20	7.811	
11,000.00	7,900.00	10,716.92	7,780.00	56.66	54.92	81.59	2,831.25	-654.24	813.88	707.04	106.85	7.617	
11,100.00	7,900.00	10,816.92	7,780.00	57.95	56.28	81.59	2,931.25	-653.89	813.88	704.36	109.52	7.431	
11,200.00	7,900.00	10,916.92	7,780.00	59.25	57.65	81.59	3,031.25	-653.54	813.87	701.65	112.22	7.252	
11,300.00	7,900.00	11,016.92	7,780.00	60.56	59.03	81.59	3,131.25	-653.19	813.87	698.93	114.95	7.081	
11,400.00	7,900.00	11,116.92	7,780.00	61.89	60.42	81.59	3,231.25	-652.84	813.87	696.18	117.69	6.915	
11,500.00	7,900.00	11,216.92	7,780.00	63.23	61.82	81.59	3,331.25	-652.49	813.86	693.41	120.45	6.757	
11,600.00	7,900.00	11,316.92	7,780.00	64.57	63.23	81.59	3,431.25	-652.14	813.86	690.63	123.23	6.604	
11,700.00	7,900.00	11,416.92	7,780.00	65.93	64.64	81.59	3,531.25	-651.79	813.86	687.83	126.03	6.458	
11,800.00	7,900.00	11,516.92	7,780.00	67.30	66.07	81.59	3,631.25	-651.44	813.85	685.01	128.84	6.317	
11,900.00	7,900.00	11,616.92	7,780.00	68.68	67.50	81.59	3,731.25	-651.09	813.85	682.18	131.66	6.181	
12,000.00	7,900.00	11,716.92	7,780.00	70.07	68.93	81.59	3,831.25	-650.75	813.84	679.34	134.50	6.051	
12,100.00	7,900.00	11,816.92	7,780.00	71.46	70.37	81.59	3,931.25	-650.40	813.84	676.48	137.36	5.925	
12,200.00	7,900.00	11,916.92	7,780.00	72.86	71.82	81.59	4,031.24	-650.05	813.84	673.61	140.22	5.804	
12,300.00	7,900.00	12,016.92	7,780.00	74.27	73.28	81.59	4,131.24	-649.70	813.83	670.73	143.10	5.687	
12,400.00	7,900.00	12,116.92	7,780.00	75.69	74.73	81.59	4,231.24	-649.35	813.83	667.84	145.99	5.575	
12,500.00	7,900.00	12,216.92	7,780.00	77.11	76.20	81.59	4,331.24	-649.00	813.83	664.94	148.88	5.466	
12,600.00	7,900.00	12,316.92	7,780.00	78.54	77.67	81.59	4,431.24	-648.65	813.82	662.03	151.79	5.362	
12,700.00	7,900.00	12,416.92	7,780.00	79.97	79.14	81.59	4,531.24	-648.30	813.82	659.11	154.71	5.260	
12,800.00	7,900.00	12,516.92	7,780.00	81.41	80.61	81.59	4,631.24	-647.95	813.82	656.19	157.63	5.163	
12,900.00	7,900.00	12,616.92	7,780.00	82.85	82.09	81.59	4,731.24	-647.60	813.81	653.25	160.56	5.069	
13,000.00	7,900.00	12,716.92	7,780.00	84.30	83.58	81.59	4,831.24	-647.25	813.81	650.31	163.50	4.977	
13,100.00	7,900.00	12,816.92	7,780.00	85.76	85.07	81.59	4,931.24	-646.90	813.80	647.36	166.45	4.889	
13,200.00	7,900.00	12,916.92	7,780.00	87.22	86.56	81.59	5,031.24	-646.55	813.80	644.40	169.40	4.804	
13,300.00	7,900.00	13,016.92	7,780.00	88.68	88.05	81.59	5,131.24	-646.20	813.80	641.44	172.36	4.721	
13,400.00	7,900.00	13,116.92	7,780.00	90.14	89.55	81.59	5,231.24	-645.85	813.79	638.47	175.33	4.642	
13,500.00	7,900.00	13,216.92	7,780.00	91.61	91.05	81.59	5,331.24	-645.50	813.79	635.49	178.30	4.564	
13,600.00	7,900.00	13,316.92	7,780.00	93.09	92.55	81.59	5,431.24	-645.15	813.79	632.51	181.27	4.489	
13,700.00	7,900.00	13,416.92	7,780.00	94.56	94.05	81.59	5,531.24	-644.80	813.78	629.53	184.26	4.417	
13,800.00	7,900.00	13,516.92	7,780.00	96.04	95.56	81.59	5,631.23	-644.45	813.78	626.53	187.24	4.346	
13,900.00	7,900.00	13,616.92	7,780.00	97.53	97.07	81.59	5,731.23	-644.10	813.77	623.54	190.24	4.278	
14,000.00	7,900.00	13,716.92	7,780.00	99.01	98.58	81.59	5,831.23	-643.75	813.77	620.54	193.23	4.211	
14,100.00	7,900.00	13,816.92	7,780.00	100.50	100.09	81.59	5,931.23	-643.41	813.77	617.53	196.23	4.147	
14,200.00	7,900.00	13,916.92	7,780.00	101.99	101.61	81.59	6,031.23	-643.06	813.76	614.53	199.24	4.084	
14,300.00	7,900.00	14,016.92	7,780.00	103.49	103.13	81.59	6,131.23	-642.71	813.76	611.51	202.25	4.024	
14,400.00	7,900.00	14,116.92	7,780.00	104.98	104.65	81.59	6,231.23	-642.36	813.76	608.50	205.26	3.965	
14,500.00	7,900.00	14,216.92	7,780.00	106.48	106.17	81.59	6,331.23	-642.01	813.75	605.48	208.28	3.907	
14,600.00	7,900.00	14,316.92	7,780.00	107.98	107.69	81.59	6,431.23	-641.66	813.75	602.45	211.30	3.851	
14,700.00	7,900.00	14,416.92	7,780.00	109.49	109.21	81.59	6,531.23	-641.31	813.75	599.43	214.32	3.797	
14,800.00	7,900.00	14,516.92	7,780.00	110.99	110.74	81.59	6,631.23	-640.96	813.74	596.40	217.35	3.744	
14,900.00	7,900.00	14,616.92	7,780.00	112.50	112.27	81.59	6,731.23	-640.61	813.74	593.36	220.38	3.693	
15,000.00	7,900.00	14,716.92	7,780.00	114.01	113.80	81.59	6,831.23	-640.26	813.73	590.33	223.41	3.642	
15,100.00	7,900.00	14,816.92	7,780.00	115.52	115.33	81.59	6,931.23	-639.91	813.73	587.29	226.44	3.594	
15,200.00	7,900.00	14,916.92	7,780.00	117.04	116.86	81.59	7,031.23	-639.56	813.73	584.25	229.48	3.546	
15,300.00	7,900.00	15,016.92	7,780.00	118.55	118.39	81.59	7,131.23	-639.21	813.72	581.20	232.52	3.500	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4L-26H-O168 - OH - PLAN #1												Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis		Separation Factor
15,400.00	7,900.00	15,116.92	7,780.00	120.07	119.92	81.59	7,231.22	-638.86	813.72	578.16	235.56	3.454	
15,500.00	7,900.00	15,216.92	7,780.00	121.59	121.46	81.59	7,331.22	-638.51	813.72	575.11	238.61	3.410	
15,600.00	7,900.00	15,316.92	7,780.00	123.11	123.00	81.59	7,431.22	-638.16	813.71	572.06	241.66	3.367	
15,700.00	7,900.00	15,416.92	7,780.00	124.63	124.53	81.59	7,531.22	-637.81	813.71	569.00	244.71	3.325	
15,800.00	7,900.00	15,516.92	7,780.00	126.15	126.07	81.59	7,631.22	-637.46	813.70	565.95	247.76	3.284	
15,900.00	7,900.00	15,616.92	7,780.00	127.67	127.61	81.59	7,731.22	-637.11	813.70	562.89	250.81	3.244	
16,000.00	7,900.00	15,716.92	7,780.00	129.20	129.15	81.59	7,831.22	-636.76	813.70	559.83	253.87	3.205	
16,100.00	7,900.00	15,816.92	7,780.00	130.73	130.69	81.59	7,931.22	-636.41	813.69	556.77	256.92	3.167	
16,200.00	7,900.00	15,916.92	7,780.00	132.25	132.24	81.59	8,031.22	-636.07	813.69	553.71	259.98	3.130	
16,300.00	7,900.00	16,016.92	7,780.00	133.78	133.78	81.59	8,131.22	-635.72	813.69	550.64	263.05	3.093	
16,400.00	7,900.00	16,116.92	7,780.00	135.31	135.32	81.59	8,231.22	-635.37	813.68	547.57	266.11	3.058	
16,500.00	7,900.00	16,216.92	7,780.00	136.84	136.87	81.59	8,331.22	-635.02	813.68	544.51	269.17	3.023	
16,600.00	7,900.00	16,316.92	7,780.00	138.38	138.41	81.59	8,431.22	-634.67	813.67	541.44	272.24	2.989	
16,700.00	7,900.00	16,416.92	7,780.00	139.91	139.96	81.59	8,531.22	-634.32	813.67	538.36	275.31	2.956	
16,800.00	7,900.00	16,516.92	7,780.00	141.44	141.51	81.59	8,631.22	-633.97	813.67	535.29	278.38	2.923	
16,900.00	7,900.00	16,616.92	7,780.00	142.98	143.06	81.59	8,731.22	-633.62	813.66	532.22	281.45	2.891	
17,000.00	7,900.00	16,716.92	7,780.00	144.52	144.60	81.59	8,831.22	-633.27	813.66	529.14	284.52	2.860	
17,100.00	7,900.00	16,816.92	7,780.00	146.05	146.15	81.59	8,931.21	-632.92	813.66	526.06	287.59	2.829	
17,200.00	7,900.00	16,916.92	7,780.00	147.59	147.70	81.59	9,031.21	-632.57	813.65	522.99	290.67	2.799	
17,300.00	7,900.00	17,016.92	7,780.00	149.13	149.25	81.59	9,131.21	-632.22	813.65	519.91	293.74	2.770	
17,400.00	7,900.00	17,116.92	7,780.00	150.67	150.80	81.59	9,231.21	-631.87	813.65	516.82	296.82	2.741	
17,500.00	7,900.00	17,216.92	7,780.00	152.21	152.36	81.59	9,331.21	-631.52	813.64	513.74	299.90	2.713	
17,600.00	7,900.00	17,316.92	7,780.00	153.75	153.91	81.59	9,431.21	-631.17	813.64	510.66	302.98	2.685	
17,700.00	7,900.00	17,416.92	7,780.00	155.29	155.46	81.59	9,531.21	-630.82	813.63	507.57	306.06	2.658	
17,800.00	7,900.00	17,516.92	7,780.00	156.84	157.02	81.59	9,631.21	-630.47	813.63	504.49	309.14	2.632	
17,900.00	7,900.00	17,616.92	7,780.00	158.38	158.57	81.59	9,731.21	-630.12	813.63	501.40	312.22	2.606	
17,930.78	7,900.00	17,647.70	7,780.00	158.86	159.05	81.59	9,761.99	-630.02	813.63	500.45	313.17	2.598 SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4M-26H-O168 - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference				Offset		Semi Major Axis				Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	1.00	-1.00	0.00	0.00	-179.36	-49.91	-0.56	49.91					
100.00	100.00	101.00	99.00	0.14	0.14	-179.36	-49.91	-0.56	49.91	49.63	0.28	178.510		
200.00	200.00	199.00	199.00	0.50	0.49	-179.36	-49.91	-0.56	49.91	48.92	0.99	50.449	CC, ES	
300.00	300.00	297.92	297.90	0.85	0.84	-177.86	-50.91	-1.90	50.96	49.27	1.69	30.095		
400.00	400.00	396.60	396.45	1.21	1.19	-173.70	-53.95	-5.96	54.34	51.94	2.40	22.658		
500.00	500.00	504.46	495.05	1.57	1.57	-168.04	-58.82	-12.46	60.25	57.11	3.14	19.175		
600.00	600.00	604.84	594.29	1.93	1.95	-163.13	-64.02	-19.41	67.06	63.20	3.86	17.371		
700.00	700.00	705.22	693.53	2.29	2.32	-159.15	-69.22	-26.36	74.27	69.69	4.58	16.216		
800.00	799.98	805.48	792.89	2.64	2.70	-52.74	-74.42	-33.31	80.70	75.41	5.29	15.260		
900.00	899.84	905.58	892.41	2.98	3.08	-52.55	-79.63	-40.28	85.08	79.09	5.99	14.197		
1,000.00	999.45	1,005.65	991.97	3.33	3.46	-54.21	-84.85	-47.24	87.38	80.67	6.71	13.023		
1,100.00	1,098.70	1,105.80	1,091.44	3.70	3.84	-57.70	-90.06	-54.21	87.85	80.40	7.44	11.803		
1,200.00	1,197.47	1,206.15	1,190.70	4.08	4.23	-63.15	-95.26	-61.15	87.00	78.80	8.20	10.610		
1,300.00	1,295.62	1,306.84	1,289.64	4.47	4.61	-70.79	-100.44	-68.08	85.74	76.75	8.99	9.535		
1,370.43	1,364.33	1,362.85	1,359.06	4.77	4.82	-77.56	-104.08	-72.94	85.32	75.80	9.52	8.959		
1,400.00	1,393.06	1,407.97	1,388.13	4.90	4.99	-80.72	-105.60	-74.97	85.42	75.59	9.83	8.690		
1,500.00	1,489.64	1,509.67	1,486.06	5.36	5.38	-92.53	-110.73	-81.83	87.78	77.07	10.71	8.197		
1,600.00	1,585.63	1,588.20	1,583.56	5.85	5.68	-104.58	-115.84	-88.65	94.29	82.79	11.50	8.200		
1,700.00	1,681.60	1,686.07	1,681.05	6.35	6.06	-114.78	-120.95	-95.48	104.50	92.18	12.32	8.480		
1,800.00	1,777.57	1,783.93	1,778.54	6.87	6.43	-123.01	-126.05	-102.30	117.45	104.34	13.11	8.957		
1,900.00	1,873.55	1,881.79	1,876.04	7.40	6.80	-129.53	-131.16	-109.12	132.35	118.47	13.88	9.536		
2,000.00	1,969.52	1,979.66	1,973.53	7.94	7.18	-134.70	-136.27	-115.95	148.60	133.97	14.63	10.156		
2,100.00	2,065.49	2,077.52	2,071.02	8.48	7.55	-138.84	-141.38	-122.77	165.81	150.43	15.38	10.782		
2,200.00	2,161.47	2,175.39	2,168.51	9.03	7.93	-142.19	-146.48	-129.59	183.71	167.58	16.12	11.394		
2,300.00	2,257.44	2,273.25	2,266.01	9.58	8.30	-144.95	-151.59	-136.42	202.11	185.24	16.87	11.982		
2,400.00	2,353.41	2,371.11	2,363.50	10.14	8.67	-147.25	-156.70	-143.24	220.90	203.28	17.61	12.540		
2,500.00	2,449.39	2,468.98	2,460.99	10.70	9.05	-149.19	-161.80	-150.07	239.97	221.61	18.36	13.069		
2,600.00	2,545.36	2,566.84	2,558.48	11.27	9.42	-150.84	-166.91	-156.89	259.28	240.17	19.11	13.566		
2,700.00	2,641.33	2,664.71	2,655.97	11.83	9.80	-152.26	-172.02	-163.71	278.76	258.90	19.86	14.034		
2,800.00	2,737.31	2,762.57	2,753.47	12.40	10.17	-153.50	-177.13	-170.54	298.39	277.77	20.62	14.473		
2,900.00	2,833.28	2,860.44	2,850.96	12.97	10.55	-154.58	-182.23	-177.36	318.13	296.76	21.37	14.886		
3,000.00	2,929.25	2,958.30	2,948.45	13.54	10.92	-155.54	-187.34	-184.18	337.97	315.85	22.13	15.274		
3,100.00	3,025.23	3,056.16	3,045.94	14.11	11.29	-156.39	-192.45	-191.01	357.90	335.01	22.88	15.640		
3,200.00	3,121.20	3,154.03	3,143.44	14.69	11.67	-157.15	-197.55	-197.83	377.89	354.24	23.64	15.984		
3,300.00	3,217.17	3,251.89	3,240.93	15.26	12.04	-157.84	-202.66	-204.66	397.93	373.53	24.40	16.308		
3,400.00	3,313.15	3,349.76	3,338.42	15.84	12.42	-158.46	-207.77	-211.48	418.03	392.87	25.16	16.614		
3,500.00	3,409.12	3,447.62	3,435.91	16.42	12.79	-159.02	-212.88	-218.30	438.17	412.25	25.92	16.904		
3,600.00	3,505.09	3,545.48	3,533.40	16.99	13.17	-159.53	-217.98	-225.13	458.35	431.67	26.68	17.177		
3,700.00	3,601.07	3,643.35	3,630.90	17.57	13.54	-160.00	-223.09	-231.95	478.56	451.11	27.45	17.436		
3,800.00	3,697.04	3,741.21	3,728.39	18.15	13.91	-160.44	-228.20	-238.77	498.80	470.59	28.21	17.682		
3,900.00	3,793.01	3,839.08	3,825.88	18.73	14.29	-160.83	-233.30	-245.60	519.06	490.09	28.97	17.916		
4,000.00	3,888.99	3,936.94	3,923.37	19.31	14.66	-161.20	-238.41	-252.42	539.35	509.61	29.74	18.138		
4,100.00	3,984.96	4,034.80	4,020.87	19.89	15.04	-161.54	-243.52	-259.25	559.65	529.15	30.50	18.349		
4,200.00	4,080.93	4,132.67	4,118.36	20.47	15.41	-161.86	-248.63	-266.07	579.98	548.71	31.27	18.550		
4,300.00	4,176.91	4,230.53	4,215.85	21.05	15.79	-162.16	-253.73	-272.89	600.32	568.28	32.03	18.741		
4,400.00	4,272.88	4,328.40	4,313.34	21.63	16.16	-162.44	-258.84	-279.72	620.67	587.87	32.80	18.924		
4,500.00	4,368.85	4,426.26	4,410.83	22.21	16.54	-162.69	-263.95	-286.54	641.04	607.47	33.56	19.099		
4,600.00	4,464.83	4,524.12	4,508.33	22.80	16.91	-162.94	-269.05	-293.37	661.41	627.08	34.33	19.266		
4,700.00	4,560.80	4,621.99	4,605.82	23.38	17.29	-163.17	-274.16	-300.19	681.80	646.71	35.10	19.426		
4,800.00	4,656.77	4,719.85	4,703.31	23.96	17.66	-163.38	-279.27	-307.01	702.20	666.34	35.86	19.579		
4,900.00	4,752.75	4,817.72	4,800.80	24.54	18.03	-163.59	-284.38	-313.84	722.61	685.98	36.63	19.726		
5,000.00	4,848.72	4,915.58	4,898.29	25.13	18.41	-163.78	-289.48	-320.66	743.03	705.63	37.40	19.867		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLT WEST-4M-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
5,100.00	4,944.69	5,013.44	4,995.79	25.71	18.78	-163.96	-294.59	-327.48	763.45	725.28	38.17	20.002		
5,200.00	5,040.67	5,111.31	5,093.28	26.29	19.16	-164.13	-299.70	-334.31	783.88	744.95	38.94	20.132		
5,300.00	5,136.64	5,209.17	5,190.77	26.88	19.53	-164.30	-304.80	-341.13	804.32	764.62	39.70	20.257		
5,400.00	5,232.61	5,307.04	5,288.26	27.46	19.91	-164.45	-309.91	-347.96	824.76	784.29	40.47	20.378		
5,500.00	5,328.59	5,404.90	5,385.76	28.05	20.28	-164.60	-315.02	-354.78	845.21	803.97	41.24	20.494		
5,600.00	5,424.56	5,502.76	5,483.25	28.63	20.66	-164.74	-320.12	-361.60	865.67	823.66	42.01	20.605		
5,700.00	5,520.53	5,600.63	5,580.74	29.21	21.03	-164.88	-325.23	-368.43	886.13	843.34	42.78	20.713		
5,800.00	5,616.51	5,701.51	5,678.23	29.80	21.42	-165.00	-330.34	-375.25	906.59	863.03	43.56	20.812		
5,900.00	5,712.48	5,803.64	5,775.72	30.38	21.81	-165.13	-335.45	-382.07	927.06	882.71	44.35	20.905		
6,000.00	5,808.45	5,905.78	5,873.22	30.97	22.20	-165.24	-340.55	-388.90	947.53	902.40	45.13	20.994		
6,100.00	5,904.43	5,992.09	5,970.71	31.55	22.53	-165.37	-345.66	-395.72	967.99	922.13	45.86	21.108		
6,200.00	6,000.96	6,090.35	6,068.60	32.11	22.90	-165.54	-350.79	-402.57	986.49	939.86	46.63	21.157		
6,300.00	6,098.34	6,189.18	6,167.06	32.62	23.28	-165.64	-355.95	-409.47	1,001.66	954.27	47.39	21.136		
6,400.00	6,196.46	6,285.05	6,262.57	33.08	23.65	-165.67	-360.93	-416.13	1,013.51	965.39	48.12	21.060		
6,500.00	6,295.19	6,382.55	6,359.88	33.50	23.94	-165.71	-364.16	-420.43	1,023.38	974.69	48.70	21.016		
6,600.00	6,394.41	6,439.99	6,417.24	33.87	24.22	-165.78	-366.12	-423.06	1,032.04	982.81	49.23	20.966		
6,700.00	6,494.01	6,529.75	6,493.01	34.21	24.52	-165.87	-366.84	-424.02	1,039.47	989.72	49.74	20.897		
6,800.00	6,593.86	6,615.62	6,592.86	34.51	24.79	-165.96	-366.84	-424.02	1,044.75	994.41	50.34	20.753		
6,900.00	6,693.83	6,715.59	6,692.83	34.77	25.10	-166.00	-366.84	-424.02	1,046.65	995.69	50.97	20.536		
7,000.00	6,793.83	6,815.59	6,792.83	35.01	25.42	89.98	-366.84	-424.02	1,046.66	995.08	51.58	20.291		
7,100.00	6,893.83	6,915.86	6,893.10	35.25	25.73	89.98	-366.78	-424.02	1,046.66	994.46	52.20	20.051		
7,200.00	6,993.83	7,017.96	6,994.75	35.49	26.04	89.51	-358.20	-424.20	1,046.52	993.75	52.77	19.832		
7,262.73	7,056.56	7,080.02	7,055.56	35.64	26.22	88.84	-345.94	-424.44	1,046.45	993.39	53.06	19.723		
7,300.00	7,093.83	7,115.72	7,090.00	35.73	26.31	88.32	-336.52	-424.63	1,046.50	993.30	53.20	19.671		
7,400.00	7,193.83	7,206.13	7,174.71	35.98	26.54	86.39	-305.11	-425.27	1,047.40	993.92	53.48	19.584		
7,500.00	7,293.40	7,290.90	7,249.96	36.21	26.72	84.44	-266.19	-426.06	1,049.54	995.87	53.67	19.555		
7,600.00	7,390.83	7,372.57	7,317.62	36.41	26.87	82.60	-220.54	-426.98	1,052.50	998.70	53.80	19.565		
7,700.00	7,484.24	7,451.69	7,377.80	36.58	27.00	80.88	-169.25	-428.02	1,056.00	1,002.14	53.86	19.606		
7,800.00	7,571.80	7,528.72	7,430.61	36.72	27.11	79.31	-113.24	-429.16	1,059.76	1,005.88	53.88	19.669		
7,900.00	7,651.80	7,604.04	7,476.14	36.81	27.21	77.90	-53.29	-430.37	1,063.49	1,009.62	53.87	19.742		
8,000.00	7,722.70	7,677.99	7,514.48	36.86	27.31	76.68	9.89	-431.65	1,066.91	1,013.05	53.86	19.810		
8,100.00	7,783.11	7,750.00	7,545.36	36.88	27.44	75.67	74.90	-432.97	1,069.78	1,015.91	53.87	19.859		
8,200.00	7,831.85	7,822.81	7,569.79	36.87	27.63	74.85	143.44	-434.36	1,071.90	1,017.94	53.96	19.865		
8,300.00	7,867.98	7,894.14	7,586.86	36.85	27.87	74.27	212.66	-435.76	1,073.09	1,018.95	54.14	19.820		
8,400.00	7,890.79	7,965.01	7,596.91	36.83	28.16	73.91	282.77	-437.18	1,073.23	1,018.79	54.45	19.711		
8,500.00	7,899.84	8,037.30	7,600.00	36.82	28.50	73.79	354.94	-438.64	1,072.26	1,017.35	54.91	19.529		
8,600.00	7,900.00	8,137.27	7,600.00	36.85	29.03	73.77	454.89	-440.67	1,070.02	1,014.31	55.70	19.209		
8,700.00	7,900.00	8,237.24	7,600.00	36.94	29.63	73.73	554.84	-442.69	1,067.73	1,011.08	56.65	18.847		
8,800.00	7,900.00	8,337.21	7,600.00	37.08	30.31	73.70	654.79	-444.72	1,065.45	1,007.70	57.75	18.450		
8,900.00	7,900.00	8,437.18	7,600.00	37.29	31.05	73.66	754.75	-446.74	1,063.17	1,004.18	58.98	18.025		
9,000.00	7,900.00	8,537.15	7,600.00	37.59	31.86	73.63	854.70	-448.77	1,060.88	1,000.53	60.35	17.579		
9,100.00	7,900.00	8,637.12	7,600.00	37.97	32.72	73.59	954.65	-450.79	1,058.60	996.76	61.84	17.119		
9,200.00	7,900.00	8,737.10	7,600.00	38.44	33.64	73.55	1,054.60	-452.82	1,056.32	992.88	63.44	16.651		
9,300.00	7,900.00	8,837.07	7,600.00	39.00	34.60	73.52	1,154.55	-454.84	1,054.04	988.89	65.15	16.180		
9,400.00	7,900.00	8,937.04	7,600.00	39.65	35.62	73.48	1,254.50	-456.87	1,051.76	984.81	66.95	15.710		
9,500.00	7,900.00	9,037.01	7,600.00	40.38	36.67	73.44	1,354.45	-458.89	1,049.48	980.64	68.84	15.245		
9,600.00	7,900.00	9,136.98	7,600.00	41.18	37.76	73.41	1,454.40	-460.92	1,047.20	976.38	70.82	14.788		
9,700.00	7,900.00	9,236.95	7,600.00	42.04	38.88	73.37	1,554.36	-462.94	1,044.92	972.05	72.86	14.341		
9,800.00	7,900.00	9,336.93	7,600.00	42.96	40.04	73.33	1,654.31	-464.97	1,042.64	967.66	74.98	13.905		
9,900.00	7,900.00	9,436.90	7,600.00	43.93	41.23	73.29	1,754.26	-466.99	1,040.36	963.20	77.16	13.483		
10,000.00	7,900.00	9,536.87	7,600.00	44.94	42.44	73.26	1,854.21	-469.02	1,038.08	958.68	79.40	13.074		
10,100.00	7,900.00	9,636.84	7,600.00	45.99	43.68	73.22	1,954.16	-471.04	1,035.80	954.11	81.69	12.679		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4M-26H-O168 - OH - PLAN #1												Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
10,200.00	7,900.00	9,736.81	7,600.00	47.07	44.94	73.18	2,054.11	-473.07	1,033.53	949.49	84.03	12.299	
10,300.00	7,900.00	9,836.78	7,600.00	48.19	46.22	73.14	2,154.06	-475.10	1,031.25	944.83	86.42	11.933	
10,400.00	7,900.00	9,936.76	7,600.00	49.33	47.52	73.10	2,254.01	-477.12	1,028.97	940.13	88.84	11.582	
10,500.00	7,900.00	10,036.73	7,600.00	50.50	48.84	73.06	2,353.96	-479.15	1,026.70	935.39	91.31	11.244	
10,600.00	7,900.00	10,136.70	7,600.00	51.69	50.17	73.03	2,453.92	-481.17	1,024.42	930.62	93.80	10.921	
10,700.00	7,900.00	10,236.67	7,600.00	52.91	51.52	72.99	2,553.87	-483.20	1,022.15	925.81	96.33	10.611	
10,800.00	7,900.00	10,336.64	7,600.00	54.14	52.88	72.95	2,653.82	-485.22	1,019.87	920.98	98.89	10.313	
10,900.00	7,900.00	10,436.62	7,600.00	55.39	54.26	72.91	2,753.77	-487.25	1,017.60	916.12	101.47	10.028	
11,000.00	7,900.00	10,536.59	7,600.00	56.66	55.65	72.87	2,853.72	-489.27	1,015.32	911.24	104.08	9.755	
11,100.00	7,900.00	10,636.56	7,600.00	57.95	57.04	72.83	2,953.67	-491.30	1,013.05	906.33	106.72	9.493	
11,200.00	7,900.00	10,736.53	7,600.00	59.25	58.45	72.79	3,053.62	-493.32	1,010.78	901.41	109.37	9.242	
11,300.00	7,900.00	10,836.50	7,600.00	60.56	59.87	72.75	3,153.57	-495.35	1,008.51	896.46	112.04	9.001	
11,400.00	7,900.00	10,936.47	7,600.00	61.89	61.30	72.71	3,253.53	-497.37	1,006.23	891.50	114.73	8.770	
11,500.00	7,900.00	11,036.45	7,600.00	63.23	62.73	72.67	3,353.48	-499.40	1,003.96	886.52	117.44	8.549	
11,600.00	7,900.00	11,136.42	7,600.00	64.57	64.18	72.63	3,453.43	-501.42	1,001.69	881.53	120.16	8.336	
11,700.00	7,900.00	11,236.39	7,600.00	65.93	65.63	72.59	3,553.38	-503.45	999.42	876.52	122.90	8.132	
11,800.00	7,900.00	11,336.36	7,600.00	67.30	67.08	72.55	3,653.33	-505.47	997.15	871.50	125.65	7.936	
11,900.00	7,900.00	11,436.33	7,600.00	68.68	68.55	72.51	3,753.28	-507.50	994.88	866.47	128.41	7.748	
12,000.00	7,900.00	11,536.30	7,600.00	70.07	70.02	72.46	3,853.23	-509.52	992.62	861.43	131.18	7.567	
12,100.00	7,900.00	11,636.28	7,600.00	71.46	71.49	72.42	3,953.18	-511.55	990.35	856.38	133.97	7.392	
12,200.00	7,900.00	11,736.25	7,600.00	72.86	72.97	72.38	4,053.13	-513.57	988.08	851.32	136.76	7.225	
12,300.00	7,900.00	11,836.22	7,600.00	74.27	74.46	72.34	4,153.09	-515.60	985.81	846.25	139.57	7.063	
12,400.00	7,900.00	11,936.19	7,600.00	75.69	75.95	72.30	4,253.04	-517.62	983.55	841.17	142.38	6.908	
12,500.00	7,900.00	12,036.16	7,600.00	77.11	77.44	72.25	4,352.99	-519.65	981.28	836.08	145.20	6.758	
12,600.00	7,900.00	12,136.13	7,600.00	78.54	78.94	72.21	4,452.94	-521.67	979.01	830.99	148.03	6.614	
12,700.00	7,900.00	12,236.11	7,600.00	79.97	80.44	72.17	4,552.89	-523.70	976.75	825.89	150.86	6.474	
12,800.00	7,900.00	12,336.08	7,600.00	81.41	81.94	72.13	4,652.84	-525.72	974.49	820.78	153.70	6.340	
12,900.00	7,900.00	12,436.05	7,600.00	82.85	83.45	72.08	4,752.79	-527.75	972.22	815.67	156.55	6.210	
13,000.00	7,900.00	12,536.02	7,600.00	84.30	84.96	72.04	4,852.74	-529.77	969.96	810.56	159.40	6.085	
13,100.00	7,900.00	12,617.22	7,600.00	85.76	86.19	72.03	4,933.94	-530.30	968.94	807.26	161.68	5.993	
13,200.00	7,900.00	12,717.22	7,600.00	87.22	87.69	72.02	5,033.94	-530.29	968.61	804.05	164.56	5.886	
13,300.00	7,900.00	12,817.22	7,600.00	88.68	89.19	72.01	5,133.94	-530.28	968.29	800.85	167.44	5.783	
13,400.00	7,900.00	12,917.22	7,600.00	90.14	90.69	72.01	5,233.94	-530.27	967.96	797.63	170.33	5.683	
13,500.00	7,900.00	13,017.22	7,600.00	91.61	92.20	72.00	5,333.94	-530.25	967.64	794.41	173.22	5.586	
13,600.00	7,900.00	13,117.22	7,600.00	93.09	93.71	71.99	5,433.94	-530.24	967.31	791.19	176.12	5.492	
13,700.00	7,900.00	13,217.22	7,600.00	94.56	95.23	71.99	5,533.94	-530.23	966.99	787.96	179.03	5.401	
13,800.00	7,900.00	13,317.22	7,600.00	96.04	96.74	71.98	5,633.94	-530.22	966.67	784.73	181.93	5.313	
13,900.00	7,900.00	13,417.22	7,600.00	97.53	98.26	71.98	5,733.94	-530.21	966.34	781.50	184.85	5.228	
14,000.00	7,900.00	13,517.22	7,600.00	99.01	99.78	71.97	5,833.94	-530.19	966.02	778.26	187.76	5.145	
14,100.00	7,900.00	13,617.22	7,600.00	100.50	101.30	71.96	5,933.94	-530.18	965.69	775.01	190.68	5.064	
14,200.00	7,900.00	13,717.22	7,600.00	101.99	102.82	71.96	6,033.94	-530.17	965.37	771.76	193.60	4.986	
14,300.00	7,900.00	13,817.21	7,600.00	103.49	104.35	71.95	6,133.93	-530.16	965.04	768.51	196.53	4.910	
14,400.00	7,900.00	13,917.21	7,600.00	104.98	105.88	71.94	6,233.93	-530.15	964.72	765.26	199.46	4.837	
14,500.00	7,900.00	14,017.21	7,600.00	106.48	107.40	71.94	6,333.93	-530.13	964.39	762.00	202.39	4.765	
14,600.00	7,900.00	14,117.21	7,600.00	107.98	108.93	71.93	6,433.93	-530.12	964.07	758.74	205.33	4.695	
14,700.00	7,900.00	14,217.21	7,600.00	109.49	110.47	71.93	6,533.93	-530.11	963.75	755.48	208.27	4.627	
14,800.00	7,900.00	14,317.21	7,600.00	110.99	112.00	71.92	6,633.93	-530.10	963.42	752.21	211.21	4.561	
14,900.00	7,900.00	14,417.21	7,600.00	112.50	113.53	71.91	6,733.93	-530.09	963.10	748.94	214.15	4.497	
15,000.00	7,900.00	14,517.21	7,600.00	114.01	115.07	71.91	6,833.93	-530.07	962.77	745.67	217.10	4.435	
15,100.00	7,900.00	14,617.21	7,600.00	115.52	116.60	71.90	6,933.93	-530.06	962.45	742.40	220.05	4.374	
15,200.00	7,900.00	14,717.21	7,600.00	117.04	118.14	71.89	7,033.93	-530.05	962.12	739.12	223.00	4.314	
15,300.00	7,900.00	14,817.21	7,600.00	118.55	119.68	71.89	7,133.93	-530.04	961.80	735.84	225.96	4.257	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W - GOLTL WEST-4M-26H-O168 - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Separation Factor		
15,400.00	7,900.00	14,917.21	7,600.00	120.07	121.22	71.88	7,233.93	-530.03	961.48	732.56	228.91	4.200		
15,500.00	7,900.00	15,017.21	7,600.00	121.59	122.76	71.88	7,333.93	-530.01	961.15	729.28	231.87	4.145		
15,600.00	7,900.00	15,117.21	7,600.00	123.11	124.30	71.87	7,433.93	-530.00	960.83	726.00	234.83	4.092		
15,700.00	7,900.00	15,217.21	7,600.00	124.63	125.85	71.86	7,533.93	-529.99	960.50	722.71	237.79	4.039		
15,800.00	7,900.00	15,317.21	7,600.00	126.15	127.39	71.86	7,633.93	-529.98	960.18	719.43	240.75	3.988		
15,900.00	7,900.00	15,417.21	7,600.00	127.67	128.94	71.85	7,733.93	-529.96	959.85	716.14	243.72	3.938		
16,000.00	7,900.00	15,517.20	7,600.00	129.20	130.48	71.84	7,833.92	-529.95	959.53	712.85	246.68	3.890		
16,100.00	7,900.00	15,617.20	7,600.00	130.73	132.03	71.84	7,933.92	-529.94	959.21	709.55	249.65	3.842		
16,200.00	7,900.00	15,717.20	7,600.00	132.25	133.58	71.83	8,033.92	-529.93	958.88	706.26	252.62	3.796		
16,300.00	7,900.00	15,817.20	7,600.00	133.78	135.13	71.82	8,133.92	-529.92	958.56	702.96	255.59	3.750		
16,400.00	7,900.00	15,917.20	7,600.00	135.31	136.68	71.82	8,233.92	-529.90	958.23	699.67	258.57	3.706		
16,500.00	7,900.00	16,017.20	7,600.00	136.84	138.23	71.81	8,333.92	-529.89	957.91	696.37	261.54	3.663		
16,600.00	7,900.00	16,117.20	7,600.00	138.38	139.78	71.81	8,433.92	-529.88	957.58	693.07	264.52	3.620		
16,700.00	7,900.00	16,217.20	7,600.00	139.91	141.33	71.80	8,533.92	-529.87	957.26	689.77	267.49	3.579		
16,800.00	7,900.00	16,317.20	7,600.00	141.44	142.88	71.79	8,633.92	-529.86	956.94	686.47	270.47	3.538		
16,900.00	7,900.00	16,417.20	7,600.00	142.98	144.43	71.79	8,733.92	-529.84	956.61	683.16	273.45	3.498		
17,000.00	7,900.00	16,517.20	7,600.00	144.52	145.99	71.78	8,833.92	-529.83	956.29	679.86	276.43	3.459		
17,100.00	7,900.00	16,617.20	7,600.00	146.05	147.54	71.77	8,933.92	-529.82	955.96	676.56	279.41	3.421		
17,200.00	7,900.00	16,717.20	7,600.00	147.59	149.10	71.77	9,033.92	-529.81	955.64	673.25	282.39	3.384		
17,300.00	7,900.00	16,817.20	7,600.00	149.13	150.65	71.76	9,133.92	-529.80	955.32	669.94	285.37	3.348		
17,400.00	7,900.00	16,917.20	7,600.00	150.67	152.21	71.75	9,233.92	-529.78	954.99	666.64	288.36	3.312		
17,500.00	7,900.00	17,017.20	7,600.00	152.21	153.76	71.75	9,333.92	-529.77	954.67	663.33	291.34	3.277		
17,600.00	7,900.00	17,117.20	7,600.00	153.75	155.32	71.74	9,433.92	-529.76	954.34	660.02	294.33	3.242		
17,700.00	7,900.00	17,217.19	7,600.00	155.29	156.88	71.74	9,533.91	-529.75	954.02	656.71	297.31	3.209		
17,800.00	7,900.00	17,317.19	7,600.00	156.84	158.44	71.73	9,633.91	-529.74	953.70	653.40	300.30	3.176		
17,900.00	7,900.00	17,417.19	7,600.00	158.38	159.99	71.72	9,733.91	-529.72	953.37	650.08	303.29	3.143		
17,930.78	7,900.00	17,447.97	7,600.00	158.86	160.47	71.72	9,764.69	-529.72	953.27	649.06	304.21	3.134 SF		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - ALAUX 26-3 - CPR - NO SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 8100-ISCWSA MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
11,600.00	7,900.00	7,886.00	7,886.00	64.57	8.86	90.00	4,404.09	-916.85	1,110.40	1,049.89	60.51	18.351		
11,700.00	7,900.00	7,886.00	7,886.00	65.93	8.86	90.00	4,404.09	-916.85	1,024.01	961.46	62.55	16.370		
11,800.00	7,900.00	7,886.00	7,886.00	67.30	8.86	90.00	4,404.09	-916.85	940.33	875.40	64.93	14.482		
11,900.00	7,900.00	7,886.00	7,886.00	68.68	8.86	90.00	4,404.09	-916.85	860.14	792.45	67.68	12.708		
12,000.00	7,900.00	7,886.00	7,886.00	70.07	8.86	90.00	4,404.09	-916.85	784.50	713.68	70.83	11.076		
12,100.00	7,900.00	7,886.00	7,886.00	71.46	8.86	90.00	4,404.09	-916.85	714.89	640.56	74.32	9.619		
12,200.00	7,900.00	7,886.00	7,886.00	72.86	8.86	90.00	4,404.09	-916.85	653.20	575.19	78.01	8.373		
12,300.00	7,900.00	7,886.00	7,886.00	74.27	8.86	90.00	4,404.09	-916.85	601.90	520.36	81.55	7.381		
12,400.00	7,900.00	7,886.00	7,886.00	75.69	8.86	90.00	4,404.09	-916.85	563.83	479.48	84.35	6.684		
12,500.00	7,900.00	7,886.00	7,886.00	77.11	8.86	90.00	4,404.09	-916.85	541.77	456.07	85.71	6.321		
12,571.93	7,900.00	7,886.00	7,886.00	78.14	8.86	90.00	4,404.09	-916.85	536.98	451.52	85.46	6.284	CC, ES, SF	
12,600.00	7,900.00	7,886.00	7,886.00	78.54	8.86	90.00	4,404.09	-916.85	537.71	452.65	85.06	6.322		
12,700.00	7,900.00	7,886.00	7,886.00	79.97	8.86	90.00	4,404.09	-916.85	552.04	469.63	82.41	6.699		
12,800.00	7,900.00	7,886.00	7,886.00	81.41	8.86	90.00	4,404.09	-916.85	583.40	505.08	78.33	7.448		
12,900.00	7,900.00	7,886.00	7,886.00	82.85	8.86	90.00	4,404.09	-916.85	629.26	555.64	73.62	8.547		
13,000.00	7,900.00	7,886.00	7,886.00	84.30	8.86	90.00	4,404.09	-916.85	686.72	617.75	68.97	9.957		
13,100.00	7,900.00	7,886.00	7,886.00	85.76	8.86	90.00	4,404.09	-916.85	753.13	688.38	64.75	11.631		
13,200.00	7,900.00	7,886.00	7,886.00	87.22	8.86	90.00	4,404.09	-916.85	826.33	765.21	61.12	13.520		
13,300.00	7,900.00	7,886.00	7,886.00	88.68	8.86	90.00	4,404.09	-916.85	904.67	846.59	58.08	15.576		
13,400.00	7,900.00	7,886.00	7,886.00	90.14	8.86	90.00	4,404.09	-916.85	986.94	931.35	55.58	17.756		
13,500.00	7,900.00	7,886.00	7,886.00	91.61	8.86	90.00	4,404.09	-916.85	1,072.22	1,018.68	53.54	20.025		
13,600.00	7,900.00	7,886.00	7,886.00	93.09	8.86	90.00	4,404.09	-916.85	1,159.86	1,107.97	51.89	22.354		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - ALAUX 26-5 - CPR - NO SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 8124-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
10,400.00	7,900.00	7,892.00	7,892.00	49.33	8.87	-90.00	3,114.28	-2,245.46	1,178.73	1,134.51	44.22	26.659	
10,500.00	7,900.00	7,892.00	7,892.00	50.50	8.87	-90.00	3,114.28	-2,245.46	1,106.30	1,060.96	45.35	24.396	
10,600.00	7,900.00	7,892.00	7,892.00	51.69	8.87	-90.00	3,114.28	-2,245.46	1,038.47	991.57	46.90	22.143	
10,700.00	7,900.00	7,892.00	7,892.00	52.91	8.87	-90.00	3,114.28	-2,245.46	976.18	927.26	48.93	19.952	
10,800.00	7,900.00	7,892.00	7,892.00	54.14	8.87	-90.00	3,114.28	-2,245.46	920.57	869.11	51.45	17.891	
10,900.00	7,900.00	7,892.00	7,892.00	55.39	8.87	-90.00	3,114.28	-2,245.46	872.90	818.45	54.45	16.031	
11,000.00	7,900.00	7,892.00	7,892.00	56.66	8.87	-90.00	3,114.28	-2,245.46	834.54	776.74	57.80	14.437	
11,100.00	7,900.00	7,892.00	7,892.00	57.95	8.87	-90.00	3,114.28	-2,245.46	806.83	745.51	61.33	13.156	
11,200.00	7,900.00	7,892.00	7,892.00	59.25	8.87	-90.00	3,114.28	-2,245.46	790.88	726.12	64.75	12.213	
11,277.44	7,900.00	7,892.00	7,892.00	60.26	8.87	-90.00	3,114.28	-2,245.46	787.08	719.90	67.17	11.717 CC	
11,300.00	7,900.00	7,892.00	7,892.00	60.56	8.87	-90.00	3,114.28	-2,245.46	787.40	719.58	67.82	11.610 ES	
11,400.00	7,900.00	7,892.00	7,892.00	61.89	8.87	-90.00	3,114.28	-2,245.46	796.56	726.26	70.30	11.331 SF	
11,500.00	7,900.00	7,892.00	7,892.00	63.23	8.87	-90.00	3,114.28	-2,245.46	817.94	745.85	72.09	11.347	
11,600.00	7,900.00	7,892.00	7,892.00	64.57	8.87	-90.00	3,114.28	-2,245.46	850.61	777.44	73.17	11.624	
11,700.00	7,900.00	7,892.00	7,892.00	65.93	8.87	-90.00	3,114.28	-2,245.46	893.34	819.68	73.65	12.129	
11,800.00	7,900.00	7,892.00	7,892.00	67.30	8.87	-90.00	3,114.28	-2,245.46	944.75	871.10	73.66	12.826	
11,900.00	7,900.00	7,892.00	7,892.00	68.68	8.87	-90.00	3,114.28	-2,245.46	1,003.53	930.21	73.32	13.687	
12,000.00	7,900.00	7,892.00	7,892.00	70.07	8.87	-90.00	3,114.28	-2,245.46	1,068.45	995.69	72.76	14.685	
12,100.00	7,900.00	7,892.00	7,892.00	71.46	8.87	-90.00	3,114.28	-2,245.46	1,138.46	1,066.40	72.06	15.799	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - ALAUX 4-0-26 - CPR - SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 548-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
12,500.00	7,900.00	7,910.48	7,852.13	77.11	28.35	87.53	4,837.58	-410.92	1,159.18	1,056.93	102.25	11.336		
12,600.00	7,900.00	7,910.85	7,852.49	78.54	28.35	87.55	4,837.58	-410.91	1,119.05	1,014.47	104.58	10.700		
12,700.00	7,900.00	7,911.22	7,852.86	79.97	28.35	87.57	4,837.58	-410.89	1,086.66	980.01	106.65	10.189		
12,800.00	7,900.00	7,911.59	7,853.23	81.41	28.35	87.59	4,837.59	-410.88	1,062.72	954.40	108.33	9.810		
12,900.00	7,900.00	7,911.95	7,853.59	82.85	28.35	87.61	4,837.59	-410.86	1,047.83	938.31	109.51	9.568		
13,000.00	7,900.00	7,912.32	7,853.96	84.30	28.35	87.63	4,837.59	-410.85	1,042.35	932.24	110.12	9.466		
13,007.21	7,900.00	7,912.35	7,853.99	84.41	28.35	87.64	4,837.59	-410.85	1,042.33	932.19	110.14	9.464	CC, ES, SF	
13,100.00	7,900.00	7,912.69	7,854.33	85.76	28.35	87.65	4,837.59	-410.83	1,046.45	936.35	110.10	9.505		
13,200.00	7,900.00	7,913.06	7,854.70	87.22	28.35	87.67	4,837.59	-410.82	1,060.01	950.53	109.47	9.683		
13,300.00	7,900.00	7,913.43	7,855.07	88.68	28.36	87.69	4,837.59	-410.80	1,082.67	974.36	108.30	9.997		
13,400.00	7,900.00	7,913.79	7,855.43	90.14	28.36	87.71	4,837.60	-410.79	1,113.88	1,007.19	106.69	10.441		
13,500.00	7,900.00	7,914.16	7,855.80	91.61	28.36	87.73	4,837.60	-410.77	1,152.94	1,048.21	104.74	11.008		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - ALAUX F UNIT 1 - CPR - NO SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 8565-ISCWSA MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
11,000.00	7,900.00	7,901.00	7,901.00	56.66	8.86	-90.00	3,868.30	-1,880.22	1,116.58	1,073.75	42.83	26.070		
11,100.00	7,900.00	7,901.00	7,901.00	57.95	8.86	-90.00	3,868.30	-1,880.22	1,024.79	981.71	43.08	23.786		
11,200.00	7,900.00	7,901.00	7,901.00	59.25	8.86	-90.00	3,868.30	-1,880.22	934.70	891.10	43.59	21.443		
11,300.00	7,900.00	7,901.00	7,901.00	60.56	8.86	-90.00	3,868.30	-1,880.22	846.82	802.34	44.48	19.037		
11,400.00	7,900.00	7,901.00	7,901.00	61.89	8.86	-90.00	3,868.30	-1,880.22	761.94	715.99	45.95	16.582		
11,500.00	7,900.00	7,901.00	7,901.00	63.23	8.86	-90.00	3,868.30	-1,880.22	681.18	632.93	48.25	14.118		
11,600.00	7,900.00	7,901.00	7,901.00	64.57	8.86	-90.00	3,868.30	-1,880.22	606.19	554.50	51.68	11.729		
11,700.00	7,900.00	7,901.00	7,901.00	65.93	8.86	-90.00	3,868.30	-1,880.22	539.37	482.85	56.51	9.544		
11,800.00	7,900.00	7,901.00	7,901.00	67.30	8.86	-90.00	3,868.30	-1,880.22	484.11	421.38	62.73	7.717		
11,900.00	7,900.00	7,901.00	7,901.00	68.68	8.86	-90.00	3,868.30	-1,880.22	444.77	375.04	69.72	6.379		
12,000.00	7,900.00	7,901.00	7,901.00	70.07	8.86	-90.00	3,868.30	-1,880.22	425.76	349.70	76.06	5.598		
12,032.74	7,900.00	7,901.00	7,901.00	70.52	8.86	-90.00	3,868.30	-1,880.22	424.50	346.80	77.70	5.464 CC, ES		
12,100.00	7,900.00	7,901.00	7,901.00	71.46	8.86	-90.00	3,868.30	-1,880.22	429.79	349.69	80.10	5.366 SF		
12,200.00	7,900.00	7,901.00	7,901.00	72.86	8.86	-90.00	3,868.30	-1,880.22	456.26	375.05	81.22	5.618		
12,300.00	7,900.00	7,901.00	7,901.00	74.27	8.86	-90.00	3,868.30	-1,880.22	501.62	421.56	80.06	6.265		
12,400.00	7,900.00	7,901.00	7,901.00	75.69	8.86	-90.00	3,868.30	-1,880.22	561.32	483.57	77.75	7.219		
12,500.00	7,900.00	7,901.00	7,901.00	77.11	8.86	-90.00	3,868.30	-1,880.22	631.29	556.19	75.10	8.406		
12,600.00	7,900.00	7,901.00	7,901.00	78.54	8.86	-90.00	3,868.30	-1,880.22	708.51	635.96	72.55	9.766		
12,700.00	7,900.00	7,901.00	7,901.00	79.97	8.86	-90.00	3,868.30	-1,880.22	790.84	720.59	70.26	11.257		
12,800.00	7,900.00	7,901.00	7,901.00	81.41	8.86	-90.00	3,868.30	-1,880.22	876.86	808.60	68.26	12.845		
12,900.00	7,900.00	7,901.00	7,901.00	82.85	8.86	-90.00	3,868.30	-1,880.22	965.58	899.02	66.56	14.508		
13,000.00	7,900.00	7,901.00	7,901.00	84.30	8.86	-90.00	3,868.30	-1,880.22	1,056.31	991.21	65.10	16.227		
13,100.00	7,900.00	7,901.00	7,901.00	85.76	8.86	-90.00	3,868.30	-1,880.22	1,148.58	1,084.74	63.84	17.990		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - BURY CRANDELL 12-23 - CPR - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 120-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
15,500.00	7,900.00	8,331.49	7,979.42	121.59	36.40	-98.81	8,212.69	-2,197.76	1,163.94	1,067.01	96.93	12.008	
15,600.00	7,900.00	8,325.49	7,973.46	123.11	36.40	-98.37	8,213.26	-2,198.04	1,090.65	986.75	103.90	10.497	
15,700.00	7,900.00	8,319.06	7,967.06	124.63	36.41	-97.89	8,213.90	-2,198.34	1,021.83	910.11	111.73	9.146	
15,800.00	7,900.00	8,312.13	7,960.18	126.15	36.41	-97.38	8,214.61	-2,198.67	958.45	838.08	120.37	7.963	
15,900.00	7,900.00	8,304.66	7,952.76	127.67	36.41	-96.82	8,215.41	-2,199.04	901.65	771.97	129.68	6.953	
16,000.00	7,900.00	8,303.44	7,951.54	129.20	36.41	-96.73	8,215.49	-2,199.06	852.70	713.44	139.26	6.123	
16,100.00	7,900.00	8,282.46	7,930.74	130.73	36.43	-95.17	8,217.93	-2,200.16	813.08	664.09	148.99	5.457	
16,200.00	7,900.00	8,263.63	7,912.03	132.25	36.44	-93.76	8,220.00	-2,200.97	783.99	626.06	157.93	4.964	
16,300.00	7,900.00	8,246.62	7,895.13	133.78	36.45	-92.49	8,221.78	-2,201.57	766.69	601.35	165.33	4.637	
16,386.40	7,900.00	8,233.21	7,881.79	135.10	36.46	-91.49	8,223.12	-2,201.96	761.88	591.89	169.99	4.482 CC	
16,400.00	7,900.00	8,231.20	7,879.79	135.31	36.46	-91.34	8,223.32	-2,202.01	762.00	591.44	170.55	4.468 ES	
16,500.00	7,900.00	8,217.15	7,865.81	136.84	36.47	-90.29	8,224.65	-2,202.31	770.18	596.96	173.22	4.446 SF	
16,600.00	7,900.00	8,204.29	7,853.01	138.38	36.48	-89.32	8,225.82	-2,202.51	790.87	617.52	173.35	4.562	
16,700.00	7,900.00	8,192.84	7,841.60	139.91	36.48	-88.47	8,226.82	-2,202.62	823.14	651.83	171.30	4.805	
16,800.00	7,900.00	8,182.79	7,831.59	141.44	36.49	-87.72	8,227.66	-2,202.68	865.71	698.08	167.62	5.165	
16,900.00	7,900.00	8,173.51	7,822.34	142.98	36.49	-87.02	8,228.41	-2,202.70	917.16	754.25	162.91	5.630	
17,000.00	7,900.00	8,164.90	7,813.75	144.52	36.49	-86.38	8,229.07	-2,202.69	976.11	818.44	157.67	6.191	
17,100.00	7,900.00	8,156.90	7,805.77	146.05	36.49	-85.78	8,229.67	-2,202.65	1,041.27	889.01	152.26	6.839	
17,200.00	7,900.00	8,149.44	7,798.34	147.59	36.49	-85.23	8,230.21	-2,202.60	1,111.58	964.63	146.95	7.564	
17,300.00	7,900.00	8,142.48	7,791.39	149.13	36.49	-84.71	8,230.69	-2,202.53	1,186.11	1,044.23	141.89	8.360	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - BURY CRANDELL 21-23 - CPR - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 122-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
16,900.00	7,900.00	8,019.37	7,854.77	142.98	26.43	89.06	9,710.43	-872.68	1,128.55	1,016.60	111.95	10.081	
17,000.00	7,900.00	8,019.43	7,854.83	144.52	26.43	89.07	9,710.43	-872.68	1,043.05	925.96	117.09	8.908	
17,100.00	7,900.00	8,019.48	7,854.88	146.05	26.43	89.07	9,710.43	-872.68	960.35	837.38	122.96	7.810	
17,200.00	7,900.00	8,019.54	7,854.94	147.59	26.43	89.08	9,710.43	-872.68	881.24	751.60	129.64	6.797	
17,300.00	7,900.00	8,019.60	7,855.00	149.13	26.43	89.08	9,710.43	-872.68	806.79	669.65	137.14	5.883	
17,400.00	7,900.00	8,019.65	7,855.05	150.67	26.43	89.09	9,710.43	-872.68	738.40	593.02	145.38	5.079	
17,500.00	7,900.00	8,019.71	7,855.11	152.21	26.43	89.09	9,710.43	-872.67	677.90	523.83	154.07	4.400	
17,600.00	7,900.00	8,019.76	7,855.16	153.75	26.43	89.10	9,710.43	-872.67	627.60	464.86	162.73	3.857	
17,700.00	7,900.00	8,019.82	7,855.22	155.29	26.43	89.11	9,710.43	-872.67	590.08	419.77	170.31	3.465	
17,800.00	7,900.00	8,019.88	7,855.28	156.84	26.43	89.11	9,710.43	-872.67	567.91	392.54	175.36	3.238	
17,878.39	7,900.00	8,019.92	7,855.32	158.05	26.43	89.12	9,710.43	-872.67	562.47	385.76	176.71	3.183 CC, ES, SF	
17,900.00	7,900.00	8,019.93	7,855.33	158.38	26.43	89.12	9,710.43	-872.67	562.89	386.26	176.62	3.187	
17,930.78	7,900.00	8,019.95	7,855.35	158.86	26.43	89.12	9,710.43	-872.67	564.91	388.76	176.14	3.207	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - BURY CRANDELL 22-23 - CPR - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 91-ISWWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
15,500.00	7,900.00	8,036.64	7,863.97	121.59	27.87	89.58	8,360.42	-1,025.78	1,108.12	1,012.22	95.90	11.555	
15,600.00	7,900.00	8,036.63	7,863.96	123.11	27.87	89.58	8,360.42	-1,025.78	1,016.05	916.19	99.86	10.174	
15,700.00	7,900.00	8,036.62	7,863.95	124.63	27.87	89.58	8,360.42	-1,025.78	925.63	821.07	104.56	8.852	
15,800.00	7,900.00	8,036.61	7,863.94	126.15	27.87	89.58	8,360.42	-1,025.78	837.39	727.24	110.16	7.602	
15,900.00	7,900.00	8,036.60	7,863.93	127.67	27.87	89.58	8,360.42	-1,025.78	752.10	635.28	116.82	6.438	
16,000.00	7,900.00	8,036.59	7,863.92	129.20	27.87	89.57	8,360.42	-1,025.78	670.88	546.18	124.70	5.380	
16,100.00	7,900.00	8,036.58	7,863.91	130.73	27.87	89.57	8,360.42	-1,025.78	595.41	461.59	133.82	4.449	
16,200.00	7,900.00	8,036.57	7,863.91	132.25	27.87	89.57	8,360.42	-1,025.78	528.15	384.33	143.83	3.672	
16,300.00	7,900.00	8,036.56	7,863.90	133.78	27.87	89.57	8,360.42	-1,025.78	472.63	319.08	153.55	3.078	
16,400.00	7,900.00	8,036.55	7,863.89	135.31	27.87	89.57	8,360.42	-1,025.78	433.37	272.78	160.58	2.699	
16,500.00	7,900.00	8,036.54	7,863.88	136.84	27.87	89.57	8,360.42	-1,025.78	415.02	253.24	161.78	2.565 ES, SF	
16,527.85	7,900.00	8,036.54	7,863.87	137.27	27.87	89.57	8,360.42	-1,025.78	414.08	253.32	160.77	2.576 CC	
16,600.00	7,900.00	8,036.53	7,863.87	138.38	27.87	89.57	8,360.42	-1,025.78	420.32	264.82	155.50	2.703	
16,700.00	7,900.00	8,036.52	7,863.86	139.91	27.87	89.56	8,360.42	-1,025.78	448.44	304.85	143.59	3.123	
16,800.00	7,900.00	8,036.51	7,863.85	141.44	27.87	89.56	8,360.42	-1,025.78	495.51	365.76	129.75	3.819	
16,900.00	7,900.00	8,036.50	7,863.84	142.98	27.87	89.56	8,360.42	-1,025.78	556.74	439.87	116.87	4.764	
17,000.00	7,900.00	8,036.49	7,863.83	144.52	27.87	89.56	8,360.42	-1,025.78	628.01	521.99	106.01	5.924	
17,100.00	7,900.00	8,036.48	7,863.82	146.05	27.87	89.56	8,360.42	-1,025.78	706.27	609.08	97.19	7.267	
17,200.00	7,900.00	8,036.47	7,863.81	147.59	27.87	89.56	8,360.42	-1,025.78	789.46	699.32	90.14	8.758	
17,300.00	7,900.00	8,036.46	7,863.80	149.13	27.87	89.56	8,360.42	-1,025.78	876.18	791.63	84.54	10.364	
17,400.00	7,900.00	8,036.45	7,863.79	150.67	27.87	89.56	8,360.42	-1,025.78	965.46	885.38	80.08	12.056	
17,500.00	7,900.00	8,036.44	7,863.77	152.21	27.87	89.55	8,360.42	-1,025.78	1,056.67	980.15	76.52	13.809	
17,600.00	7,900.00	8,036.43	7,863.76	153.75	27.87	89.55	8,360.42	-1,025.78	1,149.34	1,075.67	73.66	15.603	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - BURY CRANDELL C 2 - CPR - NO SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 8438-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
16,300.00	7,900.00	7,862.00	7,862.00	133.78	8.83	-90.00	9,214.03	-1,865.81	1,160.67	1,103.33	57.35	20.239	
16,400.00	7,900.00	7,862.00	7,862.00	135.31	8.83	-90.00	9,214.03	-1,865.81	1,068.39	1,007.57	60.82	17.566	
16,500.00	7,900.00	7,862.00	7,862.00	136.84	8.83	-90.00	9,214.03	-1,865.81	977.63	912.46	65.18	14.999	
16,600.00	7,900.00	7,862.00	7,862.00	138.38	8.83	-90.00	9,214.03	-1,865.81	888.86	818.22	70.64	12.583	
16,700.00	7,900.00	7,862.00	7,862.00	139.91	8.83	-90.00	9,214.03	-1,865.81	802.73	725.24	77.49	10.359	
16,800.00	7,900.00	7,862.00	7,862.00	141.44	8.83	-90.00	9,214.03	-1,865.81	720.19	634.15	86.04	8.371	
16,900.00	7,900.00	7,862.00	7,862.00	142.98	8.83	-90.00	9,214.03	-1,865.81	642.63	546.03	96.60	6.652	
17,000.00	7,900.00	7,862.00	7,862.00	144.52	8.83	-90.00	9,214.03	-1,865.81	572.08	462.72	109.36	5.231	
17,100.00	7,900.00	7,862.00	7,862.00	146.05	8.83	-90.00	9,214.03	-1,865.81	511.45	387.46	123.99	4.125	
17,200.00	7,900.00	7,862.00	7,862.00	147.59	8.83	-90.00	9,214.03	-1,865.81	464.63	325.46	139.17	3.339	
17,300.00	7,900.00	7,862.00	7,862.00	149.13	8.83	-90.00	9,214.03	-1,865.81	436.10	284.02	152.08	2.868	
17,378.49	7,900.00	7,862.00	7,862.00	150.34	8.83	-90.00	9,214.03	-1,865.81	428.98	270.65	158.33	2.709 CC	
17,400.00	7,900.00	7,862.00	7,862.00	150.67	8.83	-90.00	9,214.03	-1,865.81	429.52	270.26	159.25	2.697 ES, SF	
17,500.00	7,900.00	7,862.00	7,862.00	152.21	8.83	-90.00	9,214.03	-1,865.81	445.86	286.84	159.01	2.804	
17,600.00	7,900.00	7,862.00	7,862.00	153.75	8.83	-90.00	9,214.03	-1,865.81	482.79	330.00	152.79	3.160	
17,700.00	7,900.00	7,862.00	7,862.00	155.29	8.83	-90.00	9,214.03	-1,865.81	536.09	392.55	143.54	3.735	
17,800.00	7,900.00	7,862.00	7,862.00	156.84	8.83	-90.00	9,214.03	-1,865.81	601.41	467.72	133.69	4.499	
17,900.00	7,900.00	7,862.00	7,862.00	158.38	8.83	-90.00	9,214.03	-1,865.81	675.27	550.78	124.49	5.424	
17,930.78	7,900.00	7,862.00	7,862.00	158.86	8.83	-90.00	9,214.03	-1,865.81	699.32	577.44	121.88	5.738	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - COMO 13C-14HZ - KMG - SURVEYS												Offset Site Error:	0.00 usft
Survey Program: 70-ISCWSA MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
17,800.00	7,900.00	16,530.00	7,789.95	156.84	159.57	-91.89	10,200.86	-2,461.55	1,172.84	896.63	276.21	4.246	
17,900.00	7,900.00	16,530.00	7,789.95	158.38	159.57	-91.89	10,200.86	-2,461.55	1,128.23	839.96	288.27	3.914	
17,930.78	7,900.00	16,530.00	7,789.95	158.86	159.57	-91.89	10,200.86	-2,461.55	1,115.95	824.13	291.82	3.824 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - COMO 13N-14HZ - KMG - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 71-ISWWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
17,400.00	7,900.00	16,236.00	7,569.74	150.67	158.58	-72.94	10,209.13	-2,040.42	1,161.86	992.73	169.13	6.870	
17,500.00	7,900.00	16,236.00	7,569.74	152.21	158.58	-72.94	10,209.13	-2,040.42	1,079.50	898.32	181.18	5.958	
17,600.00	7,900.00	16,236.00	7,569.74	153.75	158.58	-72.94	10,209.13	-2,040.42	1,000.37	805.54	194.83	5.135	
17,700.00	7,900.00	16,236.00	7,569.74	155.29	158.58	-72.94	10,209.13	-2,040.42	925.28	715.13	210.15	4.403	
17,800.00	7,900.00	16,236.00	7,569.74	156.84	158.58	-72.94	10,209.13	-2,040.42	855.31	628.23	227.07	3.767	
17,900.00	7,900.00	16,236.00	7,569.74	158.38	158.58	-72.94	10,209.13	-2,040.42	791.80	546.54	245.27	3.228	
17,930.78	7,900.00	16,236.00	7,569.74	158.86	158.58	-72.94	10,209.13	-2,040.42	773.81	522.80	251.02	3.083	CC, ES, SF

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 14-26 - CPR - SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 74-ISOWSA MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,800.00	5,616.51	5,816.74	5,649.07	29.80	25.60	37.02	124.48	-2,385.98	1,192.12	1,141.09	51.03	23.361		
5,900.00	5,712.48	5,905.72	5,738.05	30.38	25.69	37.74	124.02	-2,386.64	1,169.92	1,118.18	51.74	22.613		
6,000.00	5,808.45	6,009.55	5,841.88	30.97	25.79	38.68	124.53	-2,386.56	1,147.62	1,095.21	52.41	21.897		
6,100.00	5,904.43	6,104.97	5,937.29	31.55	25.87	39.59	125.56	-2,385.83	1,125.24	1,072.14	53.10	21.189		
6,200.00	6,000.96	6,198.86	6,031.17	32.11	25.94	40.21	126.62	-2,385.29	1,104.89	1,051.11	53.79	20.543		
6,300.00	6,098.34	6,294.18	6,126.48	32.62	26.02	40.79	127.72	-2,384.94	1,087.60	1,033.17	54.43	19.982		
6,400.00	6,196.46	6,390.33	6,222.63	33.08	26.11	41.31	128.87	-2,384.75	1,073.29	1,018.26	55.04	19.502		
6,500.00	6,295.19	6,485.65	6,317.94	33.50	26.19	41.76	130.13	-2,384.77	1,061.97	1,006.37	55.61	19.098		
6,600.00	6,394.41	6,584.45	6,416.73	33.87	26.27	42.16	131.60	-2,385.00	1,053.62	997.49	56.13	18.772		
6,700.00	6,494.01	6,691.28	6,523.55	34.21	26.37	42.50	133.13	-2,384.76	1,047.48	990.90	56.59	18.511		
6,800.00	6,593.86	6,795.26	6,627.51	34.51	26.46	42.75	134.51	-2,383.88	1,043.36	986.35	57.01	18.301		
6,900.00	6,693.83	6,897.65	6,729.89	34.77	26.54	42.89	135.79	-2,382.74	1,041.55	984.16	57.39	18.149		
7,000.00	6,793.83	6,997.26	6,829.49	35.01	26.63	-61.04	136.91	-2,381.58	1,041.07	983.32	57.75	18.026		
7,100.00	6,893.83	7,097.22	6,929.44	35.25	26.73	-60.97	137.80	-2,380.61	1,040.65	982.53	58.12	17.906		
7,200.00	6,993.83	7,199.76	7,031.97	35.49	26.83	-60.92	138.38	-2,379.62	1,040.09	981.61	58.48	17.786		
7,300.00	7,093.83	7,302.79	7,134.99	35.73	26.94	-60.88	138.55	-2,378.56	1,039.27	980.42	58.84	17.662		
7,400.00	7,193.83	7,406.35	7,238.54	35.98	27.05	-61.08	138.24	-2,377.37	1,038.08	978.88	59.20	17.534		
7,500.00	7,293.40	7,512.38	7,344.57	36.21	27.18	-61.92	137.34	-2,375.92	1,032.46	972.98	59.48	17.357		
7,600.00	7,390.83	7,616.58	7,448.73	36.41	27.31	-64.00	135.80	-2,374.03	1,019.85	960.23	59.62	17.107		
7,700.00	7,484.24	7,709.54	7,541.66	36.58	27.44	-67.12	134.19	-2,372.14	1,001.60	941.97	59.64	16.795		
7,800.00	7,571.80	7,795.43	7,627.52	36.72	27.55	-71.13	132.68	-2,370.33	979.49	920.00	59.49	16.465		
7,900.00	7,651.80	7,868.75	7,700.82	36.81	27.64	-75.56	131.84	-2,368.93	955.96	896.76	59.19	16.149		
8,000.00	7,722.70	7,934.55	7,766.61	36.86	27.72	-80.17	131.61	-2,367.88	933.46	874.72	58.74	15.892		
8,100.00	7,783.11	7,993.10	7,825.16	36.88	27.78	-84.61	131.78	-2,367.08	914.49	856.35	58.14	15.730		
8,200.00	7,831.85	8,041.45	7,873.51	36.87	27.84	-88.31	132.05	-2,366.46	901.59	844.10	57.49	15.683 SF		
8,295.06	7,866.50	8,076.29	7,908.34	36.85	27.87	-90.73	132.32	-2,366.03	897.18	840.24	56.94	15.755 CC, ES		
8,300.00	7,867.98	8,077.79	7,909.83	36.85	27.88	-90.82	132.33	-2,366.01	897.19	840.27	56.92	15.763		
8,400.00	7,890.79	8,101.26	7,933.30	36.83	27.90	-91.80	132.54	-2,365.73	903.03	846.51	56.52	15.977		
8,500.00	7,899.84	8,111.24	7,943.29	36.82	27.91	-91.07	132.64	-2,365.62	919.83	863.49	56.34	16.326		
8,600.00	7,900.00	8,112.41	7,944.46	36.85	27.91	-90.86	132.65	-2,365.60	947.10	890.72	56.38	16.799		
8,700.00	7,900.00	8,113.44	7,945.48	36.94	27.91	-90.93	132.66	-2,365.59	983.83	927.23	56.59	17.384		
8,800.00	7,900.00	8,114.47	7,946.51	37.08	27.91	-90.99	132.67	-2,365.58	1,029.00	972.08	56.92	18.079		
8,900.00	7,900.00	8,115.51	7,947.56	37.29	27.92	-91.06	132.69	-2,365.57	1,081.55	1,024.25	57.30	18.877		
9,000.00	7,900.00	8,116.57	7,948.61	37.59	27.92	-91.13	132.70	-2,365.55	1,140.46	1,082.77	57.69	19.768		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 23-26 - CPR - SURVEYS												Offset Site Error:	0.00 usft
Survey Program: 134-ISCWSA MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
8,800.00	7,900.00	8,037.01	7,910.94	37.08	24.73	87.89	1,677.52	-919.73	1,178.49	1,119.22	59.26	19.886	
8,900.00	7,900.00	8,038.24	7,912.17	37.29	24.73	88.02	1,677.53	-919.71	1,090.76	1,031.51	59.25	18.410	
9,000.00	7,900.00	8,039.48	7,913.41	37.59	24.74	88.15	1,677.55	-919.70	1,005.32	946.10	59.23	16.974	
9,100.00	7,900.00	8,040.72	7,914.66	37.97	24.74	88.28	1,677.56	-919.68	922.82	863.63	59.19	15.590	
9,200.00	7,900.00	8,041.97	7,915.90	38.44	24.74	88.41	1,677.58	-919.66	844.10	784.96	59.14	14.273	
9,300.00	7,900.00	8,043.23	7,917.16	39.00	24.74	88.54	1,677.60	-919.65	770.34	711.27	59.07	13.042	
9,400.00	7,900.00	8,044.48	7,918.42	39.65	24.74	88.67	1,677.61	-919.63	703.09	644.12	58.97	11.924	
9,500.00	7,900.00	8,045.75	7,919.68	40.38	24.75	88.81	1,677.63	-919.62	644.39	585.54	58.85	10.950	
9,600.00	7,900.00	8,047.02	7,920.95	41.18	24.75	88.94	1,677.64	-919.60	596.78	538.03	58.74	10.159	
9,700.00	7,900.00	8,048.29	7,922.22	42.04	24.75	89.08	1,677.66	-919.58	563.07	504.37	58.70	9.593	
9,800.00	7,900.00	8,049.57	7,923.50	42.96	24.75	89.21	1,677.68	-919.57	545.84	486.98	58.86	9.273	
9,845.53	7,900.00	8,050.15	7,924.08	43.40	24.75	89.27	1,677.69	-919.56	543.94	484.92	59.01	9.217	CC, ES, SF
9,900.00	7,900.00	8,050.85	7,924.78	43.93	24.75	89.35	1,677.69	-919.55	546.66	487.47	59.18	9.237	
10,000.00	7,900.00	8,052.14	7,926.07	44.94	24.76	89.48	1,677.71	-919.54	565.44	506.01	59.43	9.514	
10,100.00	7,900.00	8,053.44	7,927.37	45.99	24.76	89.62	1,677.73	-919.52	600.51	540.96	59.55	10.084	
10,200.00	7,900.00	8,054.74	7,928.67	47.07	24.76	89.75	1,677.74	-919.50	649.22	589.69	59.53	10.905	
10,300.00	7,900.00	8,056.04	7,929.97	48.19	24.76	89.89	1,677.76	-919.49	708.78	649.34	59.45	11.923	
10,400.00	7,900.00	8,057.35	7,931.28	49.33	24.76	90.03	1,677.78	-919.47	776.69	717.36	59.33	13.091	
10,500.00	7,900.00	8,058.67	7,932.60	50.50	24.77	90.17	1,677.80	-919.45	850.95	791.74	59.21	14.371	
10,600.00	7,900.00	8,059.99	7,933.92	51.69	24.77	90.31	1,677.81	-919.43	930.05	870.94	59.11	15.734	
10,700.00	7,900.00	8,061.32	7,935.25	52.91	24.77	90.45	1,677.83	-919.42	1,012.85	953.82	59.03	17.159	
10,800.00	7,900.00	8,062.65	7,936.58	54.14	24.77	90.59	1,677.85	-919.40	1,098.51	1,039.55	58.96	18.631	
10,900.00	7,900.00	8,063.99	7,937.92	55.39	24.77	90.73	1,677.86	-919.38	1,186.41	1,127.50	58.91	20.139	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 24-26 - CPR - SURVEYS												Offset Site Error: 0.00 usft	
Survey Program: 74-ISCWSA MWD												Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
3,100.00	3,025.23	3,559.17	3,426.47	14.11	18.00	73.12	749.26	-1,208.59	1,167.20	1,143.70	23.49	49.679	
3,200.00	3,121.20	3,648.85	3,511.18	14.69	18.57	74.91	730.81	-1,185.67	1,126.70	1,102.14	24.56	45.875	
3,300.00	3,217.17	3,743.38	3,600.33	15.26	19.18	76.90	710.56	-1,161.65	1,086.69	1,061.01	25.68	42.325	
3,400.00	3,313.15	3,835.20	3,686.82	15.84	19.77	78.91	689.65	-1,138.97	1,047.13	1,020.30	26.83	39.035	
3,500.00	3,409.12	3,923.32	3,769.68	16.42	20.35	80.95	669.01	-1,117.24	1,008.23	980.20	28.04	35.960	
3,600.00	3,505.09	4,004.66	3,846.37	16.99	20.88	82.88	649.54	-1,098.34	970.84	941.54	29.30	33.133	
3,700.00	3,601.07	4,100.00	3,936.14	17.57	21.48	85.22	625.40	-1,077.16	934.04	903.47	30.57	30.552	
3,800.00	3,697.04	4,169.00	4,001.27	18.15	21.92	87.04	608.72	-1,061.67	899.50	867.51	31.99	28.121	
3,900.00	3,793.01	4,248.77	4,076.80	18.73	22.40	89.32	590.67	-1,043.46	867.73	834.27	33.47	25.929	
4,000.00	3,888.99	4,323.71	4,147.96	19.31	22.84	91.57	574.23	-1,026.64	838.56	803.54	35.02	23.947	
4,100.00	3,984.96	4,420.90	4,240.43	19.89	23.42	94.60	553.07	-1,005.52	811.80	775.21	36.59	22.188	
4,200.00	4,080.93	4,498.15	4,313.66	20.47	23.90	97.20	536.10	-987.70	786.77	748.48	38.29	20.546	
4,300.00	4,176.91	4,584.69	4,395.65	21.05	24.44	100.34	518.19	-966.61	765.17	725.10	40.07	19.096	
4,400.00	4,272.88	4,671.32	4,477.66	21.63	24.98	103.61	499.87	-945.55	746.13	704.26	41.88	17.818	
4,500.00	4,368.85	4,746.50	4,549.05	22.21	25.42	106.51	484.34	-927.80	730.73	687.08	43.65	16.740	
4,600.00	4,464.83	4,818.85	4,618.48	22.80	25.81	109.21	470.68	-912.73	720.11	674.80	45.31	15.893	
4,700.00	4,560.80	4,891.17	4,688.58	23.38	26.15	111.81	458.67	-899.69	714.40	667.59	46.82	15.260	
4,766.73	4,624.84	4,939.33	4,735.62	23.77	26.36	113.46	451.75	-892.03	713.33	665.60	47.73	14.947	
4,800.00	4,656.77	4,964.27	4,760.08	23.96	26.46	114.29	448.52	-888.35	713.58	665.43	48.15	14.819	
4,900.00	4,752.75	5,043.21	4,837.69	24.54	26.75	116.86	439.33	-877.24	717.03	667.68	49.35	14.529	
5,000.00	4,848.72	5,124.77	4,918.21	25.13	27.02	119.38	431.43	-866.98	724.13	673.72	50.41	14.364	
5,100.00	4,944.69	5,225.72	5,018.19	25.71	27.32	122.27	422.44	-856.34	733.37	681.95	51.42	14.263	
5,200.00	5,040.67	5,316.17	5,107.93	26.29	27.57	124.69	414.52	-848.36	743.93	691.65	52.28	14.230	
5,300.00	5,136.64	5,405.11	5,196.39	26.88	27.78	126.88	407.75	-841.93	756.41	703.37	53.04	14.260	
5,400.00	5,232.61	5,495.80	5,286.76	27.46	27.97	128.92	402.11	-836.87	770.71	716.99	53.72	14.346	
5,500.00	5,328.59	5,587.90	5,378.68	28.05	28.13	130.77	397.50	-833.47	786.31	731.97	54.33	14.472	
5,600.00	5,424.56	5,675.84	5,466.58	28.63	28.24	132.27	395.16	-832.41	803.56	748.70	54.86	14.647	
5,700.00	5,520.53	5,771.23	5,561.95	29.21	28.33	133.70	393.88	-832.70	821.81	766.45	55.36	14.845	
5,800.00	5,616.51	5,865.91	5,656.62	29.80	28.41	134.99	393.26	-833.88	840.65	784.81	55.84	15.055	
5,900.00	5,712.48	5,958.83	5,749.54	30.38	28.48	136.20	392.92	-834.90	860.22	803.93	56.29	15.282	
6,000.00	5,808.45	6,052.65	5,843.36	30.97	28.56	137.38	392.77	-835.60	880.54	823.81	56.73	15.521	
6,100.00	5,904.43	6,147.50	5,938.20	31.55	28.63	138.53	392.90	-836.40	901.39	844.23	57.17	15.768	
6,200.00	6,000.96	6,242.83	6,033.53	32.11	28.71	139.77	393.31	-837.34	921.19	863.60	57.58	15.997	
6,300.00	6,098.34	6,338.95	6,129.64	32.62	28.78	140.80	393.96	-838.36	938.74	880.75	57.99	16.189	
6,400.00	6,196.46	6,436.02	6,226.70	33.08	28.85	141.62	394.85	-839.47	953.91	895.54	58.38	16.340	
6,500.00	6,295.19	6,533.72	6,324.38	33.50	28.92	142.26	395.95	-840.66	966.59	907.83	58.76	16.449	
6,600.00	6,394.41	6,629.66	6,420.31	33.87	28.98	142.72	397.27	-841.74	976.82	917.68	59.14	16.518	
6,700.00	6,494.01	6,726.59	6,517.22	34.21	29.05	143.02	398.85	-842.65	984.63	925.12	59.51	16.547	
6,800.00	6,593.86	6,825.38	6,616.00	34.51	29.13	143.18	400.45	-843.30	989.83	929.95	59.88	16.530	
6,900.00	6,693.83	6,924.06	6,714.66	34.77	29.21	143.21	401.94	-843.63	992.35	932.10	60.25	16.471	
7,000.00	6,793.83	7,022.53	6,813.13	35.01	29.30	39.16	403.14	-843.39	993.46	932.84	60.62	16.389	
7,100.00	6,893.83	7,121.65	6,912.24	35.25	29.41	39.17	404.01	-842.53	994.69	933.69	61.00	16.307	
7,200.00	6,993.83	7,220.99	7,011.57	35.49	29.52	39.22	404.42	-840.99	995.99	934.61	61.38	16.226	
7,300.00	7,093.83	7,319.95	7,110.50	35.73	29.65	39.31	404.46	-838.87	997.37	935.59	61.78	16.144	
7,400.00	7,193.83	7,418.54	7,209.06	35.98	29.78	39.23	404.24	-836.28	998.81	936.63	62.18	16.063	
7,500.00	7,293.40	7,515.22	7,305.69	36.21	29.93	39.93	403.67	-832.99	994.08	931.53	62.55	15.892	
7,600.00	7,390.83	7,608.85	7,399.22	36.41	30.09	41.73	402.77	-828.94	979.19	916.34	62.85	15.579	
7,700.00	7,484.24	7,697.10	7,487.34	36.58	30.25	44.65	401.65	-824.24	955.09	892.02	63.07	15.143	
7,800.00	7,571.80	7,782.24	7,572.30	36.72	30.41	48.83	400.37	-818.95	923.02	859.83	63.19	14.608	
7,900.00	7,651.80	7,864.42	7,654.33	36.81	30.56	54.37	399.20	-814.13	884.22	821.05	63.18	13.995	
8,000.00	7,722.70	7,937.53	7,727.34	36.86	30.70	61.00	398.27	-810.29	840.87	777.87	62.99	13.348	
8,100.00	7,783.11	8,000.35	7,790.08	36.88	30.81	68.33	397.35	-807.23	795.74	733.16	62.58	12.716	

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 24-26 - CPR - SURVEYS												Offset Site Error:	0.00 usft
Survey Program: 74-ISWWSA MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
8,200.00	7,831.85	8,050.20	7,839.87	36.87	30.89	75.47	396.48	-804.95	752.28	690.41	61.87	12.159	
8,300.00	7,867.98	8,086.25	7,875.87	36.85	30.96	81.51	395.77	-803.38	714.32	653.49	60.83	11.742	
8,400.00	7,890.79	8,107.95	7,897.55	36.83	30.99	85.70	395.31	-802.47	685.63	626.18	59.46	11.532 SF	
8,500.00	7,899.84	8,115.12	7,904.71	36.82	31.01	87.64	395.16	-802.17	669.34	611.53	57.80	11.579	
8,563.24	7,900.75	8,114.62	7,904.21	36.83	31.01	87.63	395.17	-802.19	666.36	609.66	56.70	11.751 CC, ES	
8,600.00	7,900.00	8,113.02	7,902.61	36.85	31.00	87.56	395.20	-802.26	667.33	611.27	56.06	11.905	
8,700.00	7,900.00	8,110.90	7,900.50	36.94	31.00	87.38	395.26	-802.34	680.17	625.72	54.45	12.492	
8,800.00	7,900.00	8,108.84	7,898.43	37.08	30.99	87.20	395.30	-802.43	707.05	653.89	53.15	13.302	
8,900.00	7,900.00	8,106.73	7,896.33	37.29	30.99	87.02	395.35	-802.52	746.46	694.18	52.28	14.279	
9,000.00	7,900.00	8,104.57	7,894.17	37.59	30.99	86.83	395.39	-802.61	796.54	744.72	51.82	15.372	
9,100.00	7,900.00	8,102.37	7,891.97	37.97	30.98	86.64	395.43	-802.70	855.42	803.72	51.70	16.547	
9,200.00	7,900.00	8,100.11	7,889.72	38.44	30.98	86.45	395.48	-802.80	921.41	869.50	51.90	17.753	
9,300.00	7,900.00	8,097.83	7,887.44	39.00	30.98	86.25	395.53	-802.89	993.09	940.79	52.31	18.986	
9,400.00	7,900.00	8,095.75	7,885.36	39.65	30.97	86.07	395.57	-802.98	1,069.33	1,016.56	52.77	20.265	
9,500.00	7,900.00	8,093.69	7,883.30	40.38	30.97	85.90	395.62	-803.07	1,149.22	1,095.98	53.24	21.586	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 2-8-26 - CPR - SURVEYS													Offset Site Error: 0.00 usft	
Survey Program: 43-ISOWSA MWD													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
3,300.00	3,217.17	3,665.24	3,484.03	15.26	20.00	39.32	284.70	-1,670.21	1,180.33	1,150.24	30.09	39.225		
3,400.00	3,313.15	3,773.72	3,583.77	15.84	20.78	38.33	242.45	-1,664.42	1,138.28	1,107.06	31.23	36.453		
3,500.00	3,409.12	3,867.42	3,669.74	16.42	21.46	37.41	205.70	-1,658.18	1,095.24	1,062.91	32.32	33.883		
3,600.00	3,505.09	3,945.68	3,741.98	16.99	21.99	36.65	176.08	-1,652.90	1,052.88	1,019.51	33.37	31.554		
3,700.00	3,601.07	4,021.80	3,813.42	17.57	22.47	36.05	150.37	-1,647.51	1,011.86	977.50	34.36	29.445		
3,800.00	3,697.04	4,100.37	3,887.72	18.15	22.94	35.48	125.33	-1,642.46	972.21	936.86	35.34	27.507		
3,900.00	3,793.01	4,187.37	3,969.89	18.73	23.47	34.73	97.11	-1,637.96	933.56	897.21	36.36	25.679		
4,000.00	3,888.99	4,291.52	4,067.57	19.31	24.16	33.63	61.37	-1,632.57	894.49	857.06	37.43	23.899		
4,100.00	3,984.96	4,380.93	4,150.93	19.89	24.76	32.51	29.45	-1,627.47	854.79	816.27	38.52	22.189		
4,200.00	4,080.93	4,457.57	4,222.53	20.47	25.27	31.47	2.33	-1,624.06	816.58	776.96	39.62	20.610		
4,300.00	4,176.91	4,538.73	4,298.66	21.05	25.77	30.32	-25.69	-1,621.60	780.20	739.50	40.70	19.168		
4,400.00	4,272.88	4,641.59	4,395.54	21.63	26.40	28.81	-60.07	-1,618.35	744.45	702.68	41.76	17.826		
4,500.00	4,368.85	4,751.89	4,499.33	22.21	27.08	27.08	-96.76	-1,611.49	706.25	663.48	42.77	16.511		
4,600.00	4,464.83	4,852.28	4,593.90	22.80	27.72	25.39	-129.50	-1,603.53	667.18	623.40	43.79	15.237		
4,700.00	4,560.80	4,935.86	4,672.59	23.38	28.24	23.83	-156.75	-1,596.45	628.09	583.22	44.87	13.997		
4,800.00	4,656.77	5,013.96	4,747.06	23.96	28.67	22.48	-179.56	-1,590.76	591.10	545.17	45.93	12.869		
4,900.00	4,752.75	5,092.12	4,822.80	24.54	29.03	21.41	-198.33	-1,586.40	556.70	509.80	46.90	11.869		
5,000.00	4,848.72	5,180.57	4,909.52	25.13	29.39	20.54	-215.33	-1,582.99	524.64	476.89	47.75	10.987		
5,100.00	4,944.69	5,274.25	5,001.58	25.71	29.74	19.65	-232.28	-1,579.27	492.72	444.18	48.55	10.150		
5,200.00	5,040.67	5,369.20	5,094.85	26.29	30.10	18.57	-249.75	-1,575.84	461.26	411.92	49.34	9.349		
5,300.00	5,136.64	5,462.01	5,186.08	26.88	30.44	17.43	-266.39	-1,572.36	429.86	379.72	50.14	8.573		
5,400.00	5,232.61	5,551.26	5,274.16	27.46	30.74	16.43	-280.60	-1,569.77	399.50	348.57	50.93	7.844		
5,500.00	5,328.59	5,642.16	5,364.19	28.05	31.01	15.59	-293.09	-1,568.35	370.59	318.91	51.67	7.172		
5,600.00	5,424.56	5,736.22	5,457.60	28.63	31.26	14.92	-304.04	-1,567.65	342.57	290.21	52.36	6.543		
5,700.00	5,520.53	5,825.76	5,546.74	29.21	31.45	14.56	-312.42	-1,568.03	315.72	262.68	53.04	5.952		
5,800.00	5,616.51	5,920.41	5,641.19	29.80	31.61	14.75	-318.17	-1,569.85	290.32	236.68	53.64	5.412		
5,900.00	5,712.48	6,020.20	5,740.92	30.38	31.73	15.66	-321.22	-1,571.37	264.57	210.42	54.15	4.886		
6,000.00	5,808.45	6,116.77	5,837.47	30.97	31.83	17.08	-322.86	-1,572.28	238.40	183.73	54.67	4.361		
6,100.00	5,904.43	6,212.88	5,933.57	31.55	31.92	18.94	-324.04	-1,573.12	212.36	157.17	55.19	3.848		
6,200.00	6,000.96	6,308.92	6,029.60	32.11	32.01	20.98	-324.98	-1,574.23	188.77	133.06	55.71	3.388		
6,300.00	6,098.34	6,406.16	6,126.82	32.62	32.10	23.24	-325.74	-1,575.70	169.03	112.82	56.21	3.007		
6,400.00	6,196.46	6,504.31	6,224.96	33.08	32.18	25.68	-326.15	-1,577.33	152.95	96.27	56.68	2.698		
6,500.00	6,295.19	6,603.08	6,323.72	33.50	32.26	28.21	-326.16	-1,579.05	140.47	83.35	57.11	2.459		
6,600.00	6,394.41	6,702.28	6,422.90	33.87	32.34	30.66	-325.72	-1,580.82	131.47	73.96	57.51	2.286		
6,700.00	6,494.01	6,801.93	6,522.53	34.21	32.40	32.80	-324.89	-1,582.58	125.80	67.93	57.87	2.174		
6,800.00	6,593.86	6,901.73	6,622.31	34.51	32.47	34.38	-323.76	-1,584.30	123.27	65.05	58.22	2.117		
6,832.24	6,626.08	6,933.90	6,654.47	34.59	32.49	34.73	-323.35	-1,584.87	123.11	64.78	58.32	2.111 CC		
6,900.00	6,693.83	7,001.51	6,722.06	34.77	32.54	35.20	-322.42	-1,586.09	123.81	65.25	58.56	2.114		
7,000.00	6,793.83	7,101.55	6,822.08	35.01	32.60	-68.49	-320.92	-1,587.94	126.07	67.17	58.90	2.140		
7,100.00	6,893.83	7,201.91	6,922.41	35.25	32.67	-68.19	-319.54	-1,589.60	128.11	68.87	59.24	2.162		
7,200.00	6,993.83	7,301.99	7,022.47	35.49	32.74	-67.91	-318.28	-1,591.06	129.94	70.34	59.59	2.180		
7,300.00	7,093.83	7,401.97	7,122.44	35.73	32.81	-67.64	-317.02	-1,592.51	131.75	71.81	59.95	2.198		
7,400.00	7,193.83	7,502.07	7,222.52	35.98	32.88	-67.60	-315.79	-1,593.92	133.50	73.20	60.30	2.214		
7,500.00	7,293.40	7,601.95	7,322.38	36.21	32.96	-70.81	-314.65	-1,595.25	132.18	71.39	60.79	2.175		
7,600.00	7,390.83	7,700.16	7,420.58	36.41	33.04	-80.09	-313.56	-1,596.25	127.77	66.47	61.30	2.084		
7,665.44	7,452.53	7,762.52	7,482.93	36.53	33.09	-89.28	-312.89	-1,596.66	126.18	64.72	61.45	2.053 ES, SF		
7,700.00	7,484.24	7,794.75	7,515.17	36.58	33.12	-94.91	-312.60	-1,596.75	126.83	65.37	61.46	2.064		
7,800.00	7,571.80	7,883.46	7,603.88	36.72	33.20	-111.95	-312.19	-1,596.46	139.41	78.17	61.24	2.276		
7,900.00	7,651.80	7,964.53	7,684.93	36.81	33.29	-126.35	-312.25	-1,595.43	172.98	112.20	60.78	2.846		
8,000.00	7,722.70	8,036.49	7,756.87	36.86	33.37	-136.06	-312.52	-1,593.55	226.63	166.51	60.12	3.770		
8,100.00	7,783.11	8,097.36	7,817.70	36.88	33.44	-141.35	-312.87	-1,591.20	295.97	236.42	59.54	4.970		
8,200.00	7,831.85	8,144.62	7,864.89	36.87	33.51	-142.48	-313.30	-1,588.89	376.95	317.75	59.20	6.368		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													S26-T1N-R68W (OFFSETS) - CRANDELL 2-8-26 - CPR - SURVEYS		Offset Site Error:		0.00 usft	
Survey Program:													43-ISCWSA MWD		Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor						
8,300.00	7,867.98	8,178.52	7,898.74	36.85	33.56	-138.84	-313.78	-1,586.99	466.28	407.30	58.98	7.906						
8,400.00	7,890.79	8,198.86	7,919.04	36.83	33.59	-126.43	-314.13	-1,585.74	561.09	502.26	58.83	9.538						
8,500.00	7,899.84	8,205.70	7,925.86	36.82	33.60	-94.27	-314.26	-1,585.30	658.85	600.14	58.72	11.221						
8,600.00	7,900.00	8,204.06	7,924.23	36.85	33.60	-86.63	-314.23	-1,585.41	757.52	698.89	58.63	12.921						
8,700.00	7,900.00	8,202.31	7,922.48	36.94	33.60	-85.76	-314.20	-1,585.52	856.49	797.93	58.56	14.625						
8,800.00	7,900.00	8,200.60	7,920.77	37.08	33.59	-84.92	-314.17	-1,585.63	955.67	897.16	58.52	16.332						
8,900.00	7,900.00	8,198.92	7,919.10	37.29	33.59	-84.10	-314.13	-1,585.74	1,055.01	996.53	58.48	18.041						
9,000.00	7,900.00	8,197.28	7,917.46	37.59	33.59	-83.31	-314.10	-1,585.84	1,154.45	1,096.00	58.45	19.750						

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL 4-6-26 - CPR - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 74-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
8,900.00	7,900.00	8,160.62	7,890.93	37.29	34.35	87.99	1,008.74	-324.02	1,175.99	1,118.19	57.80	20.344 SF	
9,000.00	7,900.00	8,162.45	7,892.76	37.59	34.35	88.08	1,008.77	-323.97	1,156.38	1,099.57	56.81	20.355	
9,100.00	7,900.00	8,164.31	7,894.62	37.97	34.35	88.18	1,008.81	-323.91	1,145.19	1,089.27	55.92	20.479	
9,178.79	7,900.00	8,165.80	7,896.11	38.33	34.35	88.25	1,008.84	-323.86	1,142.48	1,087.14	55.34	20.644 CC, ES	
9,200.00	7,900.00	8,166.21	7,896.51	38.44	34.35	88.27	1,008.85	-323.85	1,142.68	1,087.47	55.20	20.699	
9,300.00	7,900.00	8,168.13	7,898.43	39.00	34.36	88.37	1,008.88	-323.79	1,148.89	1,094.18	54.71	20.999	
9,400.00	7,900.00	8,170.09	7,900.39	39.65	34.36	88.46	1,008.92	-323.73	1,163.69	1,109.22	54.48	21.362	
9,500.00	7,900.00	8,172.08	7,902.38	40.38	34.36	88.56	1,008.96	-323.67	1,186.76	1,132.11	54.65	21.715	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - CRANDELL UNIT-E 1 - CPR - GYRO												Offset Site Error:	0.00 usft
Survey Program: 100- GyroFlex												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,400.00	7,890.79	7,924.01	7,920.57	36.83	6.26	-69.92	1,290.68	-1,913.05	1,145.85	1,103.84	42.00	27.281	
8,500.00	7,899.84	7,933.06	7,929.62	36.82	6.26	-88.06	1,290.68	-1,912.96	1,054.95	1,013.28	41.66	25.322	
8,600.00	7,900.00	7,933.22	7,929.78	36.85	6.26	-90.61	1,290.68	-1,912.95	965.35	924.10	41.25	23.403	
8,700.00	7,900.00	7,933.22	7,929.78	36.94	6.26	-90.61	1,290.68	-1,912.95	878.01	837.23	40.78	21.531	
8,800.00	7,900.00	7,933.22	7,929.78	37.08	6.26	-90.61	1,290.68	-1,912.95	793.66	753.40	40.26	19.715	
8,900.00	7,900.00	7,933.21	7,929.78	37.29	6.26	-90.61	1,290.68	-1,912.95	713.37	673.66	39.70	17.967	
9,000.00	7,900.00	7,933.21	7,929.77	37.59	6.26	-90.61	1,290.68	-1,912.95	638.66	599.48	39.18	16.299	
9,100.00	7,900.00	7,933.21	7,929.77	37.97	6.26	-90.61	1,290.68	-1,912.95	571.74	532.90	38.84	14.721	
9,200.00	7,900.00	7,933.21	7,929.77	38.44	6.26	-90.61	1,290.68	-1,912.95	515.63	476.71	38.92	13.248	
9,300.00	7,900.00	7,933.21	7,929.77	39.00	6.26	-90.61	1,290.68	-1,912.95	474.21	434.45	39.76	11.927	
9,400.00	7,900.00	7,933.21	7,929.77	39.65	6.26	-90.61	1,290.68	-1,912.95	451.52	410.03	41.49	10.883	
9,455.02	7,900.00	7,933.21	7,929.77	40.04	6.26	-90.61	1,290.68	-1,912.95	448.15	405.43	42.72	10.490 CC, ES	
9,500.00	7,900.00	7,933.21	7,929.77	40.38	6.26	-90.61	1,290.68	-1,912.95	450.41	406.63	43.77	10.290	
9,600.00	7,900.00	7,933.21	7,929.77	41.18	6.26	-90.61	1,290.68	-1,912.95	471.02	425.06	45.96	10.249 SF	
9,700.00	7,900.00	7,933.21	7,929.77	42.04	6.26	-90.61	1,290.68	-1,912.95	510.74	463.16	47.58	10.734	
9,800.00	7,900.00	7,933.21	7,929.77	42.96	6.26	-90.61	1,290.68	-1,912.95	565.55	516.97	48.58	11.641	
9,900.00	7,900.00	7,933.21	7,929.77	43.93	6.26	-90.61	1,290.68	-1,912.95	631.54	582.43	49.11	12.859	
10,000.00	7,900.00	7,933.21	7,929.77	44.94	6.26	-90.61	1,290.68	-1,912.95	705.58	656.24	49.34	14.299	
10,100.00	7,900.00	7,933.21	7,929.77	45.99	6.26	-90.61	1,290.68	-1,912.96	785.39	735.99	49.40	15.899	
10,200.00	7,900.00	7,933.20	7,929.77	47.07	6.26	-90.61	1,290.68	-1,912.96	869.39	820.03	49.36	17.613	
10,300.00	7,900.00	7,933.20	7,929.76	48.19	6.26	-90.61	1,290.68	-1,912.96	956.47	907.19	49.27	19.412	
10,400.00	7,900.00	7,933.20	7,929.76	49.33	6.26	-90.61	1,290.68	-1,912.96	1,045.86	996.70	49.16	21.273	
10,500.00	7,900.00	7,933.20	7,929.76	50.50	6.26	-90.61	1,290.68	-1,912.96	1,137.02	1,087.97	49.05	23.181	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - HELEN 14-23 - CPR - SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 120-ISCWSA MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
12,700.00	7,900.00	8,026.21	7,892.74	79.97	24.01	-92.62	5,436.54	-2,121.40	1,123.25	1,056.40	66.86	16.801		
12,800.00	7,900.00	8,023.17	7,889.71	81.41	24.01	-92.36	5,436.64	-2,121.41	1,044.83	974.39	70.44	14.833		
12,900.00	7,900.00	8,020.15	7,886.69	82.85	24.00	-92.11	5,436.73	-2,121.43	970.37	895.62	74.75	12.982		
13,000.00	7,900.00	8,017.15	7,883.69	84.30	23.99	-91.85	5,436.82	-2,121.44	900.86	821.03	79.83	11.285		
13,100.00	7,900.00	8,014.17	7,880.71	85.76	23.99	-91.60	5,436.91	-2,121.45	837.53	751.88	85.65	9.779		
13,200.00	7,900.00	8,011.20	7,877.75	87.22	23.98	-91.34	5,437.00	-2,121.47	781.88	689.79	92.09	8.490		
13,300.00	7,900.00	8,008.26	7,874.80	88.68	23.98	-91.09	5,437.09	-2,121.49	735.68	636.82	98.85	7.442		
13,400.00	7,900.00	8,005.32	7,871.87	90.14	23.97	-90.84	5,437.18	-2,121.50	700.77	595.34	105.43	6.647		
13,500.00	7,900.00	8,002.41	7,868.95	91.61	23.97	-90.59	5,437.27	-2,121.52	678.91	567.74	111.17	6.107		
13,600.00	7,900.00	7,999.51	7,866.06	93.09	23.96	-90.35	5,437.35	-2,121.54	671.37	555.95	115.42	5.817		
13,600.93	7,900.00	7,999.48	7,866.03	93.10	23.96	-90.34	5,437.35	-2,121.54	671.37	555.91	115.46	5.815 CC, ES		
13,700.00	7,900.00	7,996.63	7,863.18	94.56	23.96	-90.10	5,437.44	-2,121.55	678.63	560.86	117.77	5.762 SF		
13,800.00	7,900.00	7,993.76	7,860.31	96.04	23.95	-89.86	5,437.52	-2,121.57	700.24	582.07	118.17	5.926		
13,900.00	7,900.00	7,990.91	7,857.46	97.53	23.95	-89.61	5,437.61	-2,121.59	734.92	617.98	116.93	6.285		
14,000.00	7,900.00	7,988.07	7,854.63	99.01	23.94	-89.37	5,437.69	-2,121.61	780.93	666.37	114.57	6.816		
14,100.00	7,900.00	7,985.25	7,851.81	100.50	23.94	-89.13	5,437.78	-2,121.63	836.42	724.86	111.56	7.497		
14,200.00	7,900.00	7,982.45	7,849.01	101.99	23.93	-88.89	5,437.86	-2,121.64	899.62	791.32	108.30	8.307		
14,300.00	7,900.00	7,979.66	7,846.22	103.49	23.93	-88.65	5,437.94	-2,121.66	969.03	863.99	105.04	9.226		
14,400.00	7,900.00	7,976.89	7,843.45	104.98	23.92	-88.42	5,438.02	-2,121.68	1,043.41	941.48	101.93	10.237		
14,500.00	7,900.00	7,974.14	7,840.70	106.48	23.92	-88.18	5,438.10	-2,121.70	1,121.77	1,022.73	99.04	11.326		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - HELEN 23-23 - CPR - NO SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 8480-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
14,100.00	7,900.00	7,850.00	7,850.00	100.50	8.81	90.00	7,039.62	-1,045.27	1,176.79	1,110.09	66.69	17.645	
14,200.00	7,900.00	7,850.00	7,850.00	101.99	8.81	90.00	7,039.62	-1,045.27	1,083.25	1,013.99	69.26	15.640	
14,300.00	7,900.00	7,850.00	7,850.00	103.49	8.81	90.00	7,039.62	-1,045.27	990.97	918.65	72.32	13.703	
14,400.00	7,900.00	7,850.00	7,850.00	104.98	8.81	90.00	7,039.62	-1,045.27	900.35	824.36	75.99	11.848	
14,500.00	7,900.00	7,850.00	7,850.00	106.48	8.81	90.00	7,039.62	-1,045.27	811.93	731.50	80.43	10.095	
14,600.00	7,900.00	7,850.00	7,850.00	107.98	8.81	90.00	7,039.62	-1,045.27	726.52	640.72	85.80	8.467	
14,700.00	7,900.00	7,850.00	7,850.00	109.49	8.81	90.00	7,039.62	-1,045.27	645.32	553.03	92.29	6.992	
14,800.00	7,900.00	7,850.00	7,850.00	110.99	8.81	90.00	7,039.62	-1,045.27	570.12	470.16	99.96	5.703	
14,900.00	7,900.00	7,850.00	7,850.00	112.50	8.81	90.00	7,039.62	-1,045.27	503.62	395.04	108.58	4.638	
15,000.00	7,900.00	7,850.00	7,850.00	114.01	8.81	90.00	7,039.62	-1,045.27	449.71	332.53	117.17	3.838	
15,100.00	7,900.00	7,850.00	7,850.00	115.52	8.81	90.00	7,039.62	-1,045.27	413.33	289.73	123.60	3.344	
15,200.00	7,900.00	7,850.00	7,850.00	117.04	8.81	90.00	7,039.62	-1,045.27	399.30	274.27	125.03	3.194 ES, SF	
15,206.99	7,900.00	7,850.00	7,850.00	117.14	8.81	90.00	7,039.62	-1,045.27	399.24	274.35	124.89	3.197 CC	
15,300.00	7,900.00	7,850.00	7,850.00	118.55	8.81	90.00	7,039.62	-1,045.27	409.93	289.79	120.14	3.412	
15,400.00	7,900.00	7,850.00	7,850.00	120.07	8.81	90.00	7,039.62	-1,045.27	443.45	332.81	110.63	4.008	
15,500.00	7,900.00	7,850.00	7,850.00	121.59	8.81	90.00	7,039.62	-1,045.27	495.22	395.62	99.61	4.972	
15,600.00	7,900.00	7,850.00	7,850.00	123.11	8.81	90.00	7,039.62	-1,045.27	560.22	470.94	89.28	6.275	
15,700.00	7,900.00	7,850.00	7,850.00	124.63	8.81	90.00	7,039.62	-1,045.27	634.39	553.86	80.53	7.878	
15,800.00	7,900.00	7,850.00	7,850.00	126.15	8.81	90.00	7,039.62	-1,045.27	714.88	641.42	73.46	9.732	
15,900.00	7,900.00	7,850.00	7,850.00	127.67	8.81	90.00	7,039.62	-1,045.27	799.78	731.93	67.85	11.788	
16,000.00	7,900.00	7,850.00	7,850.00	129.20	8.81	90.00	7,039.62	-1,045.27	887.84	824.40	63.43	13.997	
16,100.00	7,900.00	7,850.00	7,850.00	130.73	8.81	90.00	7,039.62	-1,045.27	978.19	918.24	59.95	16.316	
16,200.00	7,900.00	7,850.00	7,850.00	132.25	8.81	90.00	7,039.62	-1,045.27	1,070.26	1,013.06	57.20	18.710	
16,300.00	7,900.00	7,850.00	7,850.00	133.78	8.81	90.00	7,039.62	-1,045.27	1,163.64	1,108.62	55.02	21.149	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - HELEN E UNIT 2 - CPR - GYRO													Offset Site Error:	0.00 usft
Survey Program: 100- GyroFlex													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
13,600.00	7,900.00	7,826.83	7,825.48	93.09	8.84	-87.33	6,413.79	-1,972.62	1,110.60	1,058.51	52.09	21.319		
13,700.00	7,900.00	7,829.41	7,828.07	94.56	8.84	-87.61	6,413.88	-1,972.58	1,023.64	968.49	55.15	18.559		
13,800.00	7,900.00	7,832.18	7,830.83	96.04	8.84	-87.91	6,413.98	-1,972.53	939.28	880.27	59.01	15.918		
13,900.00	7,900.00	7,835.15	7,833.80	97.53	8.84	-88.24	6,414.08	-1,972.48	858.26	794.46	63.80	13.452		
14,000.00	7,900.00	7,838.35	7,836.99	99.01	8.85	-88.58	6,414.20	-1,972.43	781.64	711.95	69.70	11.215		
14,100.00	7,900.00	7,841.79	7,840.43	100.50	8.85	-88.96	6,414.34	-1,972.36	710.84	634.07	76.77	9.259		
14,200.00	7,900.00	7,845.51	7,844.14	101.99	8.85	-89.36	6,414.49	-1,972.29	647.76	562.79	84.96	7.624		
14,300.00	7,900.00	7,849.54	7,848.17	103.49	8.85	-89.80	6,414.66	-1,972.22	594.86	500.96	93.90	6.335		
14,400.00	7,900.00	7,853.93	7,852.56	104.98	8.86	-90.28	6,414.86	-1,972.13	555.05	452.31	102.74	5.403		
14,500.00	7,900.00	7,858.72	7,857.35	106.48	8.86	-90.80	6,415.08	-1,972.03	531.29	421.13	110.16	4.823		
14,579.38	7,900.00	7,862.86	7,861.47	107.68	8.86	-91.25	6,415.28	-1,971.94	525.34	411.22	114.12	4.603 CC		
14,600.00	7,900.00	7,863.98	7,862.60	107.98	8.86	-91.37	6,415.33	-1,971.91	525.74	410.95	114.80	4.580 ES, SF		
14,700.00	7,900.00	7,869.77	7,868.38	109.49	8.87	-92.00	6,415.63	-1,971.78	538.97	423.01	115.97	4.648		
14,800.00	7,900.00	7,876.18	7,874.78	110.99	8.87	-92.70	6,415.97	-1,971.63	569.66	455.62	114.04	4.995		
14,900.00	7,900.00	7,883.32	7,881.90	112.50	8.88	-93.48	6,416.37	-1,971.45	615.19	505.10	110.09	5.588		
15,000.00	7,900.00	7,891.31	7,889.88	114.01	8.88	-94.35	6,416.85	-1,971.24	672.55	567.32	105.23	6.391		
15,100.00	7,900.00	7,900.32	7,898.86	115.52	8.89	-95.32	6,417.42	-1,970.99	738.97	638.74	100.23	7.373		
15,200.00	7,900.00	7,910.55	7,909.07	117.04	8.90	-96.43	6,418.11	-1,970.69	812.22	716.72	95.50	8.505		
15,300.00	7,900.00	7,915.17	7,913.68	118.55	8.90	-96.93	6,418.40	-1,970.56	890.66	799.37	91.28	9.757		
15,400.00	7,900.00	7,922.81	7,921.29	120.07	8.90	-97.75	6,418.91	-1,970.32	972.99	885.46	87.53	11.116		
15,500.00	7,900.00	7,930.56	7,929.02	121.59	8.91	-98.59	6,419.43	-1,970.07	1,058.33	974.07	84.26	12.561		
15,600.00	7,900.00	7,938.43	7,936.87	123.11	8.91	-99.43	6,419.96	-1,969.80	1,145.99	1,064.60	81.40	14.079		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - MANN 2 - H&R WELL - NO SURVEYS												Offset Site Error: 0.00 usft		
Survey Program: 5048-ISCWSA MWD												Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis				Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
0.00	0.00	24.00	-24.00	0.00	0.03	55.78	267.48	393.30	475.63					
100.00	100.00	76.00	76.00	0.14	0.09	55.78	267.48	393.30	475.63	475.41	0.22	2,129.650		
200.00	200.00	176.00	176.00	0.50	0.20	55.78	267.48	393.30	475.63	474.94	0.69	685.269		
300.00	300.00	276.00	276.00	0.85	0.31	55.78	267.48	393.30	475.63	474.47	1.16	408.329		
400.00	400.00	376.00	376.00	1.21	0.42	55.78	267.48	393.30	475.63	474.00	1.64	290.806		
500.00	500.00	476.00	476.00	1.57	0.53	55.78	267.48	393.30	475.63	473.53	2.11	225.813		
600.00	600.00	576.00	576.00	1.93	0.65	55.78	267.48	393.30	475.63	473.06	2.58	184.564		
700.00	700.00	676.00	676.00	2.29	0.76	55.78	267.48	393.30	475.63	472.58	3.05	156.058	CC, ES	
800.00	799.98	775.98	775.98	2.64	0.87	159.86	267.48	393.30	477.27	473.76	3.51	136.039		
900.00	899.84	875.84	875.84	2.98	0.98	160.04	267.48	393.30	482.19	478.22	3.96	121.643		
1,000.00	999.45	975.45	975.45	3.33	1.10	160.33	267.48	393.30	490.39	485.97	4.42	110.839		
1,100.00	1,098.70	1,074.70	1,074.70	3.70	1.21	160.72	267.48	393.30	501.89	497.00	4.89	102.668		
1,200.00	1,197.47	1,173.47	1,173.47	4.08	1.32	161.20	267.48	393.30	516.70	511.34	5.36	96.471		
1,300.00	1,295.62	1,271.62	1,271.62	4.47	1.43	161.74	267.48	393.30	534.82	528.99	5.83	91.787		
1,400.00	1,393.06	1,369.06	1,369.06	4.90	1.54	162.33	267.48	393.30	556.27	549.97	6.30	88.286		
1,500.00	1,489.64	1,465.64	1,465.64	5.36	1.65	162.96	267.48	393.30	581.05	574.27	6.78	85.724		
1,600.00	1,585.63	1,561.63	1,561.63	5.85	1.75	163.70	267.48	393.30	608.00	600.75	7.26	83.793		
1,700.00	1,681.60	1,657.60	1,657.60	6.35	1.86	164.41	267.48	393.30	635.10	627.36	7.73	82.135		
1,800.00	1,777.57	1,753.57	1,753.57	6.87	1.97	165.06	267.48	393.30	662.27	654.06	8.21	80.646		
1,900.00	1,873.55	1,849.55	1,849.55	7.40	2.08	165.66	267.48	393.30	689.52	680.83	8.69	79.306		
2,000.00	1,969.52	1,945.52	1,945.52	7.94	2.18	166.22	267.48	393.30	716.84	707.66	9.18	78.095		
2,100.00	2,065.49	2,041.49	2,041.49	8.48	2.29	166.73	267.48	393.30	744.21	734.54	9.67	76.998		
2,200.00	2,161.47	2,137.47	2,137.47	9.03	2.40	167.21	267.48	393.30	771.63	761.48	10.15	76.000		
2,300.00	2,257.44	2,233.44	2,233.44	9.58	2.51	167.66	267.48	393.30	799.10	788.46	10.64	75.088		
2,400.00	2,353.41	2,329.41	2,329.41	10.14	2.62	168.07	267.48	393.30	826.61	815.48	11.13	74.254		
2,500.00	2,449.39	2,425.39	2,425.39	10.70	2.72	168.46	267.48	393.30	854.16	842.54	11.62	73.487		
2,600.00	2,545.36	2,521.36	2,521.36	11.27	2.83	168.82	267.48	393.30	881.75	869.63	12.12	72.781		
2,700.00	2,641.33	2,617.33	2,617.33	11.83	2.94	169.17	267.48	393.30	909.36	896.75	12.61	72.128		
2,800.00	2,737.31	2,713.31	2,713.31	12.40	3.05	169.49	267.48	393.30	937.00	923.90	13.10	71.522		
2,900.00	2,833.28	2,809.28	2,809.28	12.97	3.15	169.79	267.48	393.30	964.67	951.08	13.59	70.959		
3,000.00	2,929.25	2,905.25	2,905.25	13.54	3.26	170.08	267.48	393.30	992.37	978.28	14.09	70.435		
3,100.00	3,025.23	3,001.23	3,001.23	14.11	3.37	170.35	267.48	393.30	1,020.08	1,005.50	14.58	69.946		
3,200.00	3,121.20	3,097.20	3,097.20	14.69	3.48	170.61	267.48	393.30	1,047.82	1,032.74	15.08	69.487		
3,300.00	3,217.17	3,193.17	3,193.17	15.26	3.59	170.85	267.48	393.30	1,075.57	1,059.99	15.57	69.058		
3,400.00	3,313.15	3,289.15	3,289.15	15.84	3.69	171.08	267.48	393.30	1,103.34	1,087.27	16.07	68.654		
3,500.00	3,409.12	3,385.12	3,385.12	16.42	3.80	171.31	267.48	393.30	1,131.13	1,114.56	16.57	68.274		
3,600.00	3,505.09	3,481.09	3,481.09	16.99	3.91	171.52	267.48	393.30	1,158.93	1,141.86	17.06	67.915		
3,700.00	3,601.07	3,577.07	3,577.07	17.57	4.02	171.71	267.48	393.30	1,186.74	1,169.18	17.56	67.577	SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - RANCHVIEW 28C-11HZ - KMG - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 25-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
17,500.00	7,900.00	7,727.02	7,636.51	152.21	21.02	77.44	9,817.90	-386.70	1,179.21	1,016.73	162.48	7.257	
17,600.00	7,900.00	7,755.00	7,660.55	153.75	20.91	78.69	9,832.18	-387.48	1,141.01	973.89	167.12	6.827	
17,700.00	7,900.00	7,777.53	7,679.35	155.29	20.81	79.68	9,844.59	-387.97	1,109.29	938.06	171.23	6.478	
17,800.00	7,900.00	7,809.70	7,705.16	156.84	20.65	81.04	9,863.77	-388.49	1,084.37	909.69	174.69	6.207	
17,900.00	7,900.00	7,850.22	7,735.88	158.38	20.45	82.69	9,890.17	-388.91	1,066.14	888.73	177.41	6.009	
17,930.78	7,900.00	7,870.42	7,750.34	158.86	20.33	83.47	9,904.28	-389.15	1,061.77	883.64	178.12	5.961 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLT WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLT WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - RANCHVIEW 3C-11HZ - KMG - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 25-ISWWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
16,800.00	7,900.00	7,622.00	7,483.15	141.44	25.78	15.16	9,728.38	-1,330.23	1,165.79	1,096.81	68.98	16.900	
16,900.00	7,900.00	7,622.00	7,483.15	142.98	25.78	15.16	9,728.38	-1,330.23	1,072.43	1,002.33	70.10	15.298	
17,000.00	7,900.00	7,644.86	7,504.48	144.52	25.73	15.97	9,736.59	-1,330.37	979.71	908.57	71.14	13.771	
17,100.00	7,900.00	7,670.00	7,527.57	146.05	25.66	16.93	9,746.52	-1,330.74	888.19	815.86	72.33	12.279	
17,200.00	7,900.00	7,670.00	7,527.57	147.59	25.66	16.93	9,746.52	-1,330.74	797.69	723.45	74.24	10.745	
17,300.00	7,900.00	7,700.67	7,555.19	149.13	25.57	18.19	9,759.82	-1,331.44	708.44	632.50	75.94	9.329	
17,400.00	7,900.00	7,725.66	7,577.26	150.67	25.49	19.33	9,771.52	-1,332.20	620.91	542.72	78.20	7.940	
17,500.00	7,900.00	7,754.71	7,602.41	152.21	25.40	20.79	9,786.02	-1,333.21	535.31	454.33	80.98	6.610	
17,600.00	7,900.00	7,787.23	7,629.89	153.75	25.28	22.68	9,803.37	-1,334.41	452.11	367.55	84.56	5.347	
17,700.00	7,900.00	7,823.20	7,659.36	155.29	25.13	25.19	9,823.94	-1,335.61	372.07	282.67	89.40	4.162	
17,800.00	7,900.00	7,858.00	7,686.77	156.84	24.98	28.22	9,845.38	-1,336.26	296.76	200.21	96.54	3.074	
17,900.00	7,900.00	7,905.00	7,721.30	158.38	24.75	33.37	9,877.22	-1,336.55	228.71	121.63	107.08	2.136	
17,930.78	7,900.00	7,922.37	7,733.21	158.86	24.65	35.57	9,889.87	-1,336.63	209.78	98.43	111.35	1.884 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - RANCHVIEW 3N-11HZ - KMG - SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 25-ISWWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	
17,000.00	7,900.00	7,499.27	7,396.61	144.52	22.24	42.07	9,791.24	-1,007.43	1,151.47	1,059.37	92.10	12.503	
17,100.00	7,900.00	7,519.00	7,414.24	146.05	22.17	43.18	9,800.10	-1,007.14	1,069.24	973.36	95.88	11.152	
17,200.00	7,900.00	7,540.84	7,433.46	147.59	22.09	44.42	9,810.46	-1,006.94	989.33	889.14	100.19	9.874	
17,300.00	7,900.00	7,567.00	7,456.03	149.13	21.98	45.93	9,823.68	-1,007.04	912.12	807.04	105.09	8.680	
17,400.00	7,900.00	7,592.47	7,477.50	150.67	21.87	47.43	9,837.37	-1,007.37	838.13	727.48	110.65	7.575	
17,500.00	7,900.00	7,622.43	7,502.11	152.21	21.74	49.23	9,854.46	-1,007.88	768.01	651.05	116.95	6.567	
17,600.00	7,900.00	7,661.00	7,532.72	153.75	21.55	51.63	9,877.90	-1,008.56	702.52	578.49	124.03	5.664	
17,700.00	7,900.00	7,689.74	7,554.59	155.29	21.40	53.44	9,896.55	-1,009.08	642.58	510.72	131.86	4.873	
17,800.00	7,900.00	7,725.37	7,580.28	156.84	21.21	55.70	9,921.21	-1,009.65	589.60	449.42	140.18	4.206	
17,900.00	7,900.00	7,764.93	7,606.91	158.38	20.98	58.23	9,950.45	-1,009.41	545.15	396.46	148.69	3.666	
17,930.78	7,900.00	7,781.10	7,617.29	158.86	20.88	59.27	9,962.85	-1,009.15	533.23	381.94	151.29	3.525 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - SEARS 22-26 - CPR - NO SURVEYS													Offset Site Error: 0.00 usft
Survey Program: 0-ISCWSA MWD													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis		
10,300.00	7,900.00	7,886.00	7,886.00	48.19	8.85	90.00	3,047.89	-739.90	1,164.59	1,109.91	54.68	21.300	
10,400.00	7,900.00	7,886.00	7,886.00	49.33	8.85	90.00	3,047.89	-739.90	1,087.65	1,031.63	56.02	19.414	
10,500.00	7,900.00	7,886.00	7,886.00	50.50	8.85	90.00	3,047.89	-739.90	1,014.75	957.23	57.52	17.642	
10,600.00	7,900.00	7,886.00	7,886.00	51.69	8.85	90.00	3,047.89	-739.90	946.81	887.66	59.14	16.008	
10,700.00	7,900.00	7,886.00	7,886.00	52.91	8.85	90.00	3,047.89	-739.90	884.97	824.11	60.86	14.541	
10,800.00	7,900.00	7,886.00	7,886.00	54.14	8.85	90.00	3,047.89	-739.90	830.60	768.02	62.58	13.272	
10,900.00	7,900.00	7,886.00	7,886.00	55.39	8.85	90.00	3,047.89	-739.90	785.26	721.08	64.18	12.236	
11,000.00	7,900.00	7,886.00	7,886.00	56.66	8.85	90.00	3,047.89	-739.90	750.57	685.10	65.47	11.465	
11,100.00	7,900.00	7,886.00	7,886.00	57.95	8.85	90.00	3,047.89	-739.90	728.07	661.81	66.25	10.989	
11,200.00	7,900.00	7,886.00	7,886.00	59.25	8.85	90.00	3,047.89	-739.90	718.90	652.52	66.38	10.831 SF	
11,216.36	7,900.00	7,886.00	7,886.00	59.46	8.85	90.00	3,047.89	-739.90	718.71	652.38	66.33	10.836 CC, ES	
11,300.00	7,900.00	7,886.00	7,886.00	60.56	8.85	90.00	3,047.89	-739.90	723.56	657.78	65.78	11.000	
11,400.00	7,900.00	7,886.00	7,886.00	61.89	8.85	90.00	3,047.89	-739.90	741.80	677.27	64.53	11.496	
11,500.00	7,900.00	7,886.00	7,886.00	63.23	8.85	90.00	3,047.89	-739.90	772.65	709.85	62.81	12.302	
11,600.00	7,900.00	7,886.00	7,886.00	64.57	8.85	90.00	3,047.89	-739.90	814.69	753.86	60.83	13.392	
11,700.00	7,900.00	7,886.00	7,886.00	65.93	8.85	90.00	3,047.89	-739.90	866.28	807.49	58.80	14.733	
11,800.00	7,900.00	7,886.00	7,886.00	67.30	8.85	90.00	3,047.89	-739.90	925.84	869.00	56.84	16.288	
11,900.00	7,900.00	7,886.00	7,886.00	68.68	8.85	90.00	3,047.89	-739.90	991.92	936.87	55.05	18.019	
12,000.00	7,900.00	7,886.00	7,886.00	70.07	8.85	90.00	3,047.89	-739.90	1,063.31	1,009.86	53.45	19.893	
12,100.00	7,900.00	7,886.00	7,886.00	71.46	8.85	90.00	3,047.89	-739.90	1,139.02	1,086.96	52.06	21.879	

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - SEARS 2-4-26 - CPR - SURVEYS													Offset Site Error: 0.00 usft	
Survey Program: 92-ISWWSA MWD													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
9,400.00	7,900.00	8,000.78	7,869.04	39.65	24.21	-74.45	2,417.80	-1,579.29	1,189.68	1,132.15	57.54	20.677		
9,500.00	7,900.00	8,003.75	7,872.02	40.38	24.21	-75.78	2,417.89	-1,579.18	1,090.26	1,032.90	57.36	19.007		
9,600.00	7,900.00	8,006.75	7,875.01	41.18	24.22	-77.14	2,417.99	-1,579.07	990.95	933.80	57.15	17.339		
9,700.00	7,900.00	8,009.78	7,878.03	42.04	24.22	-78.53	2,418.08	-1,578.96	891.78	834.88	56.90	15.674		
9,800.00	7,900.00	8,012.82	7,881.08	42.96	24.23	-79.95	2,418.18	-1,578.85	792.81	736.22	56.58	14.012		
9,900.00	7,900.00	8,015.90	7,884.14	43.93	24.23	-81.39	2,418.28	-1,578.74	694.11	637.92	56.19	12.353		
10,000.00	7,900.00	8,018.99	7,887.24	44.94	24.24	-82.86	2,418.38	-1,578.63	595.84	540.15	55.69	10.700		
10,100.00	7,900.00	8,022.12	7,890.36	45.99	24.24	-84.35	2,418.48	-1,578.52	498.23	443.20	55.03	9.054		
10,200.00	7,900.00	8,025.26	7,893.50	47.07	24.24	-85.87	2,418.58	-1,578.42	401.78	347.61	54.17	7.417		
10,300.00	7,900.00	8,028.44	7,896.67	48.19	24.25	-87.40	2,418.68	-1,578.31	307.57	254.46	53.11	5.791		
10,400.00	7,900.00	8,031.63	7,899.87	49.33	24.25	-88.96	2,418.79	-1,578.20	218.51	166.10	52.41	4.170		
10,500.00	7,900.00	8,034.86	7,903.09	50.50	24.26	-90.53	2,418.89	-1,578.09	144.48	87.91	56.57	2.554		
10,584.50	7,900.00	8,037.61	7,905.83	51.51	24.26	-91.87	2,418.98	-1,578.00	117.23	47.12	70.10	1.672 CC		
10,600.00	7,900.00	8,038.11	7,906.34	51.69	24.26	-92.12	2,419.00	-1,577.99	118.25	45.92	72.33	1.635 ES, SF		
10,700.00	7,900.00	8,041.39	7,909.61	52.91	24.27	-93.72	2,419.11	-1,577.88	164.52	90.07	74.45	2.210		
10,800.00	7,900.00	8,044.70	7,912.91	54.14	24.27	-95.33	2,419.22	-1,577.77	245.22	174.94	70.27	3.490		
10,900.00	7,900.00	8,048.03	7,916.24	55.39	24.28	-96.95	2,419.33	-1,577.67	336.41	269.02	67.39	4.992		
11,000.00	7,900.00	8,051.39	7,919.60	56.66	24.28	-98.58	2,419.44	-1,577.56	431.50	365.89	65.60	6.577		
11,100.00	7,900.00	8,054.78	7,922.99	57.95	24.29	-100.20	2,419.56	-1,577.46	528.38	463.94	64.44	8.200		
11,200.00	7,900.00	8,058.20	7,926.41	59.25	24.29	-101.83	2,419.67	-1,577.35	626.23	562.59	63.64	9.841		
11,300.00	7,900.00	8,061.65	7,929.85	60.56	24.30	-103.45	2,419.79	-1,577.25	724.65	661.59	63.05	11.492		
11,400.00	7,900.00	8,065.13	7,933.32	61.89	24.30	-105.07	2,419.91	-1,577.14	823.43	760.81	62.62	13.150		
11,500.00	7,900.00	8,068.64	7,936.83	63.23	24.31	-106.68	2,420.03	-1,577.04	922.46	860.18	62.29	14.810		
11,600.00	7,900.00	8,071.83	7,940.01	64.57	24.31	-108.13	2,420.13	-1,576.95	1,021.68	959.65	62.02	16.472		
11,700.00	7,900.00	8,075.24	7,943.42	65.93	24.32	-109.65	2,420.25	-1,576.85	1,121.02	1,059.20	61.82	18.135		

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - SEARS 4-4-26 - CPR - SURVEYS													Offset Site Error:	0.00 usft
Survey Program: 73-ISCWSA MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Factor		
10,100.00	7,900.00	7,948.32	7,874.84	45.99	21.30	89.41	2,366.16	-368.41	1,176.42	1,108.92	67.51	17.427		
10,200.00	7,900.00	7,950.03	7,876.55	47.07	21.30	89.50	2,366.19	-368.40	1,143.14	1,074.86	68.29	16.741		
10,300.00	7,900.00	7,951.75	7,878.26	48.19	21.31	89.59	2,366.22	-368.40	1,117.85	1,048.95	68.90	16.224		
10,400.00	7,900.00	7,953.46	7,879.97	49.33	21.31	89.68	2,366.25	-368.39	1,101.08	1,031.77	69.30	15.888		
10,500.00	7,900.00	7,955.17	7,881.69	50.50	21.31	89.77	2,366.28	-368.39	1,093.23	1,023.77	69.46	15.738		
10,536.08	7,900.00	7,955.79	7,882.30	50.93	21.31	89.81	2,366.29	-368.38	1,092.64	1,023.18	69.46	15.730 CC, ES, SF		
10,600.00	7,900.00	7,956.88	7,883.40	51.69	21.31	89.86	2,366.31	-368.38	1,094.51	1,025.14	69.37	15.779		
10,700.00	7,900.00	7,958.59	7,885.11	52.91	21.32	89.95	2,366.34	-368.37	1,104.86	1,035.85	69.02	16.009		
10,800.00	7,900.00	7,960.30	7,886.82	54.14	21.32	90.04	2,366.37	-368.37	1,124.05	1,055.61	68.45	16.422		
10,900.00	7,900.00	7,962.01	7,888.53	55.39	21.32	90.13	2,366.40	-368.36	1,151.63	1,083.93	67.70	17.011		
11,000.00	7,900.00	7,963.72	7,890.24	56.66	21.32	90.22	2,366.43	-368.36	1,187.02	1,120.19	66.83	17.762		

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

Cathedral Energy Services

Anticollision Report

Company:	Crestone Peak Resources	Local Co-ordinate Reference:	Well GOLTL WEST-4H-26H-O168
Project:	DJ BASIN	TVD Reference:	23' KB @ 5199.00usft
Reference Site:	S26-T1N-R68W	MD Reference:	23' KB @ 5199.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	GOLTL WEST-4H-26H-O168	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S26-T1N-R68W (OFFSETS) - SWEETGRASS 14-14 - KMG - SURVEYS												Offset Site Error:	0.00 usft
Survey Program: 15-ISCWSA MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
17,900.00	7,900.00	8,187.01	7,814.26	158.38	39.34	89.24	10,804.63	-924.83	1,185.97	1,058.26	127.71	9.287	
17,930.78	7,900.00	8,186.68	7,813.93	158.86	39.34	89.20	10,804.64	-924.84	1,158.21	1,028.81	129.40	8.950 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

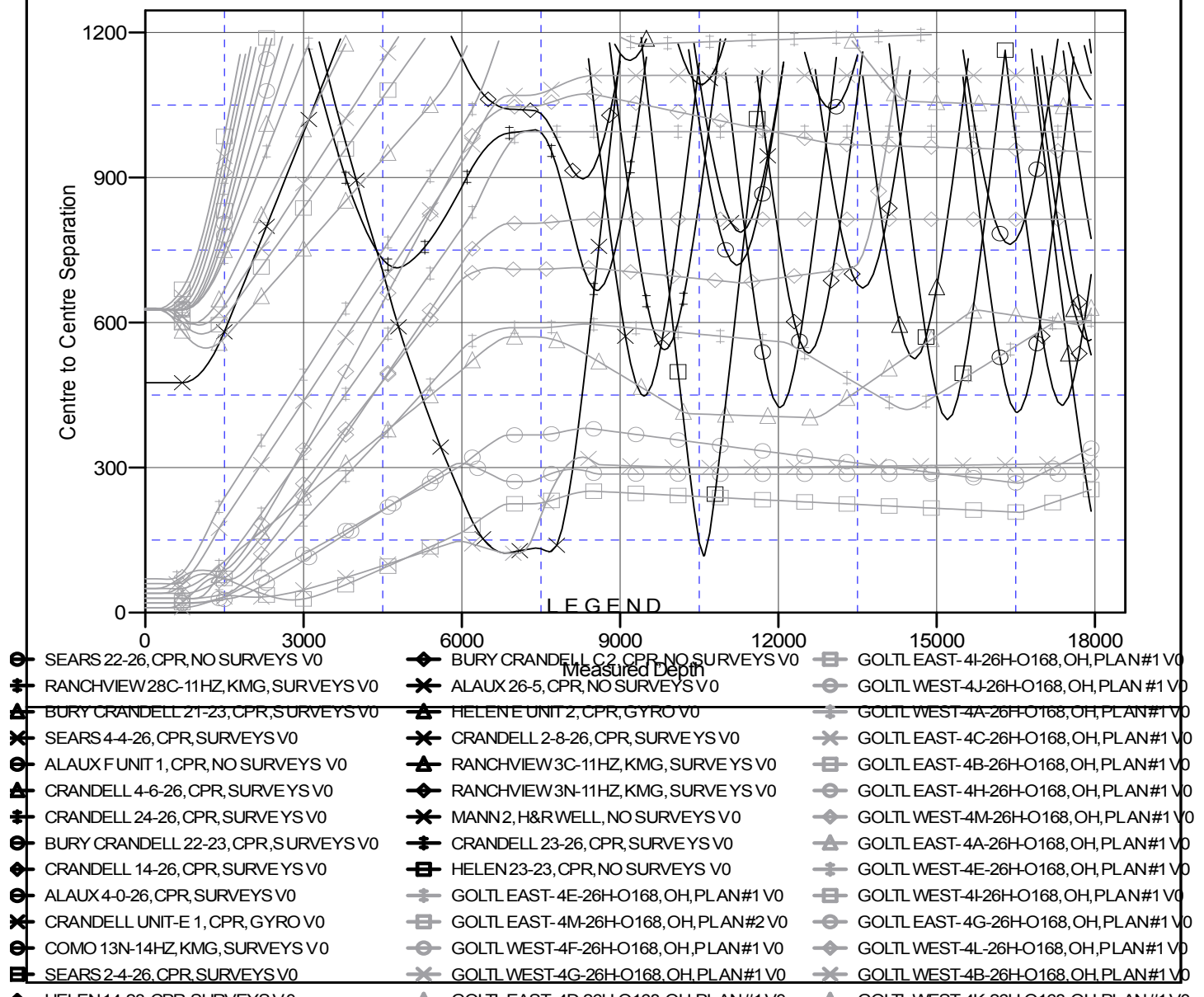
Company: Crestone Peak Resources
Project: DJ BASIN
Reference Site: S26-T1N-R68W
Site Error: 0.00usft
Reference Well: GOLT WEST-4H-26H-O168
Well Error: 0.00usft
Reference Wellbore: OH
Reference Design: PLAN #1

Local Co-ordinate Reference: Well GOLT WEST-4H-26H-O168
TVD Reference: 23' KB @ 5199.00usft
MD Reference: 23' KB @ 5199.00usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to 23' KB @ 5199.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: GOLT WEST-4H-26H-O168
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.34 °

Ladder Plot



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