

CRESTONE PEAK RESOURCES

**ADAMS COUNTY
SEC 34-T3S-R65W
BLUE 3-65 33-32-31-36 2AH**

**OWB
PROPOSAL 1**

Anticollision Report

17 April, 2023

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL 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 10,000.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	4/17/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	28,656.21	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 34-T3S-R65W						
ABND VERT FLADER INDUSTRIES INC B-1 - OWB - D	7,478.13	7,321.76	1,293.60	1,137.30	8.277	CC
ABND VERT FLADER INDUSTRIES INC B-1 - OWB - D	7,500.00	7,341.09	1,293.79	1,136.99	8.251	ES
ABND VERT FLADER INDUSTRIES INC B-1 - OWB - D	7,700.00	7,503.02	1,315.76	1,154.20	8.144	SF
BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1	300.00	301.00	19.97	18.26	11.702	CC
BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1	18,290.49	18,222.02	339.24	-244.57	0.581	Level 1, ES, SF
BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1	100.00	100.00	19.97	19.70	74.260	CC
BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1	28,656.21	28,723.23	877.79	-263.97	0.769	Level 1, ES, SF
BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1	373.13	371.65	80.13	77.92	36.255	CC
BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1	400.00	398.66	80.14	77.74	33.410	ES
BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1	28,656.21	28,682.82	3,005.35	1,863.58	2.632	SF
BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1	365.19	363.35	98.50	96.33	45.507	CC
BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1	400.00	397.97	98.65	96.23	40.762	ES
BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1	28,656.21	28,788.51	3,625.29	2,483.81	3.176	SF
BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL	300.00	301.00	40.21	38.51	23.567	CC
BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL	28,617.54	28,591.82	959.12	-183.28	0.840	Level 1, ES, SF
BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL	300.00	302.00	60.18	58.47	35.193	CC
BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL	400.00	402.02	60.60	58.18	24.977	ES
BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL	28,656.21	28,605.70	1,985.77	843.16	1.738	SF
EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY	14,674.47	14,015.45	1,236.75	874.16	3.411	CC
EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY	18,100.00	17,393.00	1,243.00	703.11	2.302	ES, SF

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Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 35-T3S-R65W						
EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SUR	7,500.00	16,359.00	1,677.45	1,473.72	8.234	SF
EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SUR	7,527.93	16,359.00	1,676.71	1,473.20	8.239	CC, ES
EXIST HZ RESERVE 3-65 35-34 1CH - OWB - FINAL SU	7,762.40	17,779.00	837.22	575.80	3.203	CC, ES, SF
EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SU	7,700.00	17,679.00	563.15	338.33	2.505	ES, SF
EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SU	7,707.42	17,679.00	563.07	338.50	2.507	CC
EXIST HZ RESERVE 3-65 35-34 2AH - OWB - FINAL SU	7,700.00	17,727.00	479.70	389.01	5.290	ES, SF
EXIST HZ RESERVE 3-65 35-34 2AH - OWB - FINAL SU	7,710.82	17,727.00	479.47	389.11	5.306	CC
EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SU	7,591.93	17,899.00	773.87	528.18	3.150	CC
EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SU	7,600.00	17,899.00	773.94	527.82	3.145	ES, SF
EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SU	7,595.22	18,077.00	1,304.89	1,027.80	4.709	CC
EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SU	7,600.00	18,077.00	1,304.90	1,027.64	4.706	ES
EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SU	7,700.00	18,077.00	1,312.18	1,032.71	4.695	SF
EXIST HZ RESERVE FEDERAL 3-65 35-34 3CH - OWB	7,500.65	18,139.00	1,833.41	1,542.20	6.296	CC, ES
EXIST HZ RESERVE FEDERAL 3-65 35-34 3CH - OWB	7,600.00	18,139.00	1,837.64	1,544.03	6.259	SF
EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB	7,489.65	18,469.00	2,415.78	2,121.89	8.220	CC
EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB	7,500.00	18,469.00	2,415.82	2,121.67	8.213	ES
EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB	7,700.00	18,469.00	2,429.90	2,132.26	8.164	SF
EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB	7,386.09	18,678.00	2,939.04	2,642.35	9.906	CC
EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB	7,400.00	18,678.00	2,939.09	2,642.10	9.896	ES
EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB	7,600.00	18,678.00	2,950.24	2,649.79	9.819	SF

Offset Design SEC 34-T3S-R65W - ABND VERT FLADER INDUSTRIES INC B-1 - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INC-ONLY													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	2.66	2,357.19	109.66	2,360.27					
100.00	100.00	50.00	50.00	0.13	0.40	2.66	2,357.19	109.66	2,359.74	2,359.21	0.53	4,439.862		
200.00	200.00	150.00	150.00	0.49	1.67	2.66	2,357.19	109.66	2,359.74	2,357.58	2.16	1,092.630		
300.00	300.00	250.00	250.00	0.85	3.41	2.66	2,357.19	109.66	2,359.74	2,355.48	4.26	553.477		
400.00	399.98	349.98	349.98	1.21	5.16	16.37	2,357.19	109.66	2,358.07	2,351.70	6.37	370.306		
500.00	499.84	449.84	449.84	1.57	6.90	16.44	2,357.19	109.66	2,353.05	2,344.57	8.47	277.660		
600.00	599.45	549.45	549.45	1.94	8.64	16.54	2,357.19	109.66	2,344.69	2,334.11	10.58	221.629		
700.00	698.70	648.70	648.70	2.32	10.37	16.70	2,357.19	109.66	2,333.00	2,320.32	12.68	183.982		
800.00	797.47	747.47	747.47	2.72	12.09	16.88	2,357.19	109.66	2,318.04	2,303.26	14.78	156.825		
900.00	896.03	846.03	846.03	3.14	13.81	17.00	2,357.19	109.66	2,301.85	2,284.99	16.87	136.470		
1,000.00	994.59	944.59	944.59	3.57	15.54	17.13	2,357.19	109.66	2,285.68	2,266.72	18.96	120.574		
1,100.00	1,093.16	1,043.16	1,043.16	4.00	17.26	17.25	2,357.19	109.66	2,269.51	2,248.46	21.05	107.822		
1,200.00	1,191.72	1,141.72	1,141.72	4.44	18.98	17.38	2,357.19	109.66	2,253.36	2,230.21	23.14	97.368		
1,300.00	1,290.28	1,240.28	1,240.28	4.88	20.70	17.51	2,357.19	109.66	2,237.21	2,211.97	25.24	88.644		
1,400.00	1,388.84	1,338.84	1,338.84	5.32	22.42	17.64	2,357.19	109.66	2,221.08	2,193.74	27.33	81.254		
1,500.00	1,487.40	1,437.40	1,437.40	5.76	24.14	17.77	2,357.19	109.66	2,204.96	2,175.53	29.43	74.915		
1,600.00	1,585.96	1,535.96	1,535.96	6.20	25.86	17.91	2,357.19	109.66	2,188.85	2,157.32	31.53	69.418		
1,700.00	1,684.52	1,634.52	1,634.52	6.65	27.58	18.04	2,357.19	109.66	2,172.75	2,139.12	33.63	64.606		
1,800.00	1,783.09	1,733.09	1,733.09	7.09	29.30	18.18	2,357.19	109.66	2,156.67	2,120.94	35.73	60.359		
1,900.00	1,881.65	1,831.65	1,831.65	7.54	31.02	18.32	2,357.19	109.66	2,140.59	2,102.76	37.83	56.583		
2,000.00	1,980.21	1,930.21	1,930.21	7.99	32.74	18.47	2,357.19	109.66	2,124.53	2,084.60	39.93	53.203		
2,100.00	2,078.77	2,028.77	2,028.77	8.43	34.46	18.61	2,357.19	109.66	2,108.49	2,066.45	42.03	50.161		
2,200.00	2,177.33	2,127.33	2,127.33	8.88	36.18	18.76	2,357.19	109.66	2,092.45	2,048.32	44.14	47.408		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
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Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - ABND VERT FLADER INDUSTRIES INC B-1 - OWB - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY													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)	Minimum Separation (usft)	Separation Factor		
2,300.00	2,275.89	2,225.89	2,225.89	9.33	37.90	18.91	2,357.19	109.66	2,076.43	2,030.19	46.24	44.906		
2,400.00	2,374.45	2,324.45	2,324.45	9.78	39.62	19.06	2,357.19	109.66	2,060.43	2,012.08	48.34	42.621		
2,500.00	2,473.02	2,423.02	2,423.02	10.23	41.34	19.22	2,357.19	109.66	2,044.44	1,993.99	50.45	40.527		
2,600.00	2,571.58	2,521.58	2,521.58	10.67	43.06	19.37	2,357.19	109.66	2,028.46	1,975.91	52.55	38.600		
2,700.00	2,670.14	2,620.14	2,620.14	11.12	44.78	19.53	2,357.19	109.66	2,012.50	1,957.84	54.66	36.821		
2,800.00	2,768.70	2,718.70	2,718.70	11.57	46.50	19.69	2,357.19	109.66	1,996.55	1,939.79	56.76	35.175		
2,900.00	2,867.26	2,817.26	2,817.26	12.02	48.22	19.86	2,357.19	109.66	1,980.62	1,921.76	58.87	33.646		
3,000.00	2,965.82	2,915.82	2,915.82	12.47	49.94	20.03	2,357.19	109.66	1,964.71	1,903.74	60.97	32.223		
3,100.00	3,064.38	3,014.38	3,014.38	12.92	51.66	20.20	2,357.19	109.66	1,948.81	1,885.73	63.08	30.895		
3,200.00	3,162.95	3,112.95	3,112.95	13.37	53.38	20.37	2,357.19	109.66	1,932.93	1,867.75	65.19	29.652		
3,300.00	3,261.51	3,211.51	3,211.51	13.82	55.10	20.54	2,357.19	109.66	1,917.07	1,849.78	67.29	28.488		
3,400.00	3,360.07	3,310.07	3,310.07	14.27	56.82	20.72	2,357.19	109.66	1,901.22	1,831.82	69.40	27.394		
3,500.00	3,458.63	3,408.63	3,408.63	14.72	58.54	20.90	2,357.19	109.66	1,885.40	1,813.89	71.51	26.365		
3,600.00	3,557.19	3,507.19	3,507.19	15.17	60.26	21.09	2,357.19	109.66	1,869.59	1,795.97	73.62	25.395		
3,700.00	3,655.75	3,605.75	3,605.75	15.62	61.98	21.28	2,357.19	109.66	1,853.80	1,778.07	75.73	24.479		
3,800.00	3,754.32	3,704.32	3,704.32	16.07	63.70	21.47	2,357.19	109.66	1,838.03	1,760.19	77.84	23.613		
3,900.00	3,852.88	3,802.88	3,802.88	16.52	65.42	21.66	2,357.19	109.66	1,822.29	1,742.34	79.95	22.793		
4,000.00	3,951.44	3,901.44	3,901.44	16.97	67.14	21.86	2,357.19	109.66	1,806.56	1,724.50	82.06	22.015		
4,100.00	4,050.00	4,000.00	4,000.00	17.42	68.86	22.06	2,357.19	109.66	1,790.85	1,706.68	84.17	21.276		
4,200.00	4,148.56	4,101.44	4,098.56	17.87	70.63	22.26	2,357.19	109.66	1,775.17	1,688.83	86.34	20.561		
4,300.00	4,247.12	4,202.88	4,197.12	18.32	72.40	22.47	2,357.19	109.66	1,759.51	1,671.01	88.50	19.881		
4,400.00	4,345.68	4,304.32	4,295.68	18.77	74.17	22.68	2,357.19	109.66	1,743.87	1,653.20	90.66	19.234		
4,500.00	4,444.25	4,405.75	4,394.25	19.22	75.94	22.90	2,357.19	109.66	1,728.25	1,635.43	92.83	18.618		
4,600.00	4,542.81	4,507.19	4,492.81	19.67	77.71	23.12	2,357.19	109.66	1,712.66	1,617.67	94.99	18.029		
4,700.00	4,641.37	4,608.63	4,591.37	20.12	79.48	23.34	2,357.19	109.66	1,697.10	1,599.94	97.16	17.467		
4,800.00	4,739.93	4,689.93	4,689.93	20.57	80.90	23.57	2,357.19	109.66	1,681.56	1,582.58	98.98	16.990		
4,900.00	4,838.49	4,788.49	4,788.49	21.02	82.62	23.80	2,357.19	109.66	1,666.05	1,564.95	101.09	16.480		
5,000.00	4,937.05	4,887.05	4,887.05	21.47	84.34	24.04	2,357.19	109.66	1,650.56	1,547.35	103.21	15.992		
5,100.00	5,035.61	4,985.61	4,985.61	21.92	86.06	24.28	2,357.19	109.66	1,635.10	1,529.77	105.33	15.524		
5,200.00	5,134.18	5,084.18	5,084.18	22.38	87.78	24.52	2,357.19	109.66	1,619.67	1,512.22	107.45	15.074		
5,300.00	5,232.74	5,182.74	5,182.74	22.83	89.50	24.77	2,357.19	109.66	1,604.28	1,494.70	109.57	14.641		
5,400.00	5,331.30	5,281.30	5,281.30	23.28	91.22	25.03	2,357.19	109.66	1,588.91	1,477.21	111.69	14.226		
5,500.00	5,429.86	5,379.86	5,379.86	23.73	92.95	25.29	2,357.19	109.66	1,573.57	1,459.75	113.82	13.826		
5,600.00	5,528.42	5,478.42	5,478.42	24.18	94.67	25.55	2,357.19	109.66	1,558.27	1,442.33	115.94	13.440		
5,700.00	5,626.98	5,576.98	5,576.98	24.63	96.39	25.82	2,357.19	109.66	1,542.99	1,424.93	118.06	13.069		
5,800.00	5,725.54	5,675.54	5,675.54	25.08	98.11	26.10	2,357.19	109.66	1,527.76	1,407.57	120.19	12.711		
5,900.00	5,824.11	5,774.11	5,774.11	25.53	99.83	26.38	2,357.19	109.66	1,512.55	1,390.24	122.32	12.366		
6,000.00	5,922.67	5,872.67	5,872.67	25.98	101.55	26.67	2,357.19	109.66	1,497.39	1,372.95	124.44	12.033		
6,100.00	6,021.23	5,971.23	5,971.23	26.43	103.27	26.96	2,357.19	109.66	1,482.26	1,355.69	126.57	11.711		
6,200.00	6,119.79	6,069.79	6,069.79	26.88	104.99	27.26	2,357.19	109.66	1,467.17	1,338.47	128.70	11.400		
6,300.00	6,218.35	6,168.35	6,168.35	27.33	106.71	27.56	2,357.19	109.66	1,452.12	1,321.29	130.83	11.099		
6,400.00	6,316.91	6,266.91	6,266.91	27.78	108.43	27.87	2,357.19	109.66	1,437.12	1,304.15	132.97	10.808		
6,500.00	6,415.48	6,365.48	6,365.48	28.23	110.15	28.19	2,357.19	109.66	1,422.15	1,287.05	135.10	10.527		
6,600.00	6,514.04	6,464.04	6,464.04	28.69	111.87	28.51	2,357.19	109.66	1,407.23	1,269.99	137.24	10.254		
6,700.00	6,612.60	6,562.60	6,562.60	29.14	113.59	28.84	2,357.19	109.66	1,392.35	1,252.98	139.37	9.990		
6,800.00	6,711.16	6,661.16	6,661.16	29.59	115.31	29.18	2,357.19	109.66	1,377.52	1,236.01	141.51	9.734		
6,900.00	6,809.72	6,759.72	6,759.72	30.04	117.03	29.53	2,357.19	109.66	1,362.74	1,219.09	143.65	9.486		
7,000.00	6,908.28	6,858.28	6,858.28	30.49	118.75	29.88	2,357.19	109.66	1,348.01	1,202.22	145.79	9.246		
7,100.00	7,006.84	6,956.84	6,956.84	30.94	120.47	30.24	2,357.19	109.66	1,333.33	1,185.39	147.93	9.013		
7,200.00	7,105.41	7,055.41	7,055.41	31.39	122.19	30.61	2,357.19	109.66	1,318.70	1,168.62	150.08	8.787		
7,300.00	7,203.81	7,153.81	7,153.81	31.85	123.91	30.98	2,357.19	109.66	1,304.08	1,152.56	152.24	8.571		
7,400.00	7,300.02	7,250.02	7,250.02	32.33	125.59	31.35	2,357.19	109.66	1,289.50	1,137.01	154.49	8.388		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - ABND VERT FLADER INDUSTRIES INC B-1 - OWB - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-INC-ONLY												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)	Minimum Separation (usft)	Separation Factor	Warning
7,478.13	7,371.76	7,321.76	7,321.76	32.72	126.84	90.00	2,357.19	109.66	1,293.60	1,137.30	156.30	8.277	CC
7,500.00	7,391.09	7,341.09	7,341.09	32.83	127.18	91.84	2,357.19	109.66	1,293.79	1,136.99	156.80	8.251	ES
7,600.00	7,474.26	7,424.26	7,424.26	33.35	128.63	97.85	2,357.19	109.66	1,299.93	1,140.80	159.13	8.169	
7,700.00	7,546.99	7,503.02	7,496.99	33.90	130.00	101.13	2,357.19	109.66	1,315.76	1,154.20	161.56	8.144	SF
7,800.00	7,607.07	7,557.07	7,557.07	34.51	130.94	102.26	2,357.19	109.66	1,342.30	1,178.59	163.71	8.199	
7,900.00	7,652.68	7,602.68	7,602.68	35.20	131.74	101.26	2,357.19	109.66	1,379.92	1,214.09	165.83	8.321	
8,000.00	7,682.43	7,632.43	7,632.43	36.00	132.26	97.91	2,357.19	109.66	1,428.09	1,260.39	167.71	8.515	
8,100.00	7,695.43	7,645.43	7,645.43	36.92	132.49	91.97	2,357.19	109.66	1,485.38	1,316.13	169.25	8.776	
8,200.00	7,696.00	7,646.00	7,646.00	37.98	132.50	90.00	2,357.19	109.66	1,549.10	1,378.62	170.48	9.087	
8,300.00	7,696.00	7,646.00	7,646.00	39.21	132.50	90.00	2,357.19	109.66	1,616.57	1,444.95	171.62	9.419	
8,400.00	7,696.00	7,646.00	7,646.00	40.59	132.50	90.00	2,357.19	109.66	1,687.27	1,514.59	172.68	9.771	
8,500.00	7,696.00	7,646.00	7,646.00	42.11	132.50	90.00	2,357.19	109.66	1,760.81	1,587.16	173.66	10.140	
8,600.00	7,696.00	7,646.00	7,646.00	43.76	132.50	90.00	2,357.19	109.66	1,836.86	1,662.31	174.55	10.524	
8,700.00	7,696.00	7,646.00	7,646.00	45.51	132.50	90.00	2,357.19	109.66	1,915.11	1,739.75	175.36	10.921	
8,800.00	7,696.00	7,646.00	7,646.00	47.37	132.50	90.00	2,357.19	109.66	1,995.30	1,819.20	176.10	11.330	
8,900.00	7,696.00	7,646.00	7,646.00	49.31	132.50	90.00	2,357.19	109.66	2,077.22	1,900.44	176.78	11.750	
9,000.00	7,696.00	7,646.00	7,646.00	51.33	132.50	90.00	2,357.19	109.66	2,160.65	1,983.26	177.39	12.180	
9,100.00	7,696.00	7,646.00	7,646.00	53.41	132.50	90.00	2,357.19	109.66	2,245.44	2,067.49	177.95	12.618	
9,200.00	7,696.00	7,646.00	7,646.00	55.54	132.50	90.00	2,357.19	109.66	2,331.44	2,152.97	178.47	13.064	
9,300.00	7,696.00	7,646.00	7,646.00	57.73	132.50	90.00	2,357.19	109.66	2,418.51	2,239.58	178.93	13.516	
9,400.00	7,696.00	7,646.00	7,646.00	59.96	132.50	90.00	2,357.19	109.66	2,506.55	2,327.18	179.36	13.975	
9,500.00	7,696.00	7,646.00	7,646.00	62.23	132.50	90.00	2,357.19	109.66	2,595.45	2,415.69	179.76	14.439	
9,600.00	7,696.00	7,646.00	7,646.00	64.54	132.50	90.00	2,357.19	109.66	2,685.14	2,505.02	180.12	14.907	
9,700.00	7,696.00	7,646.00	7,646.00	66.87	132.50	90.00	2,357.19	109.66	2,775.53	2,595.07	180.45	15.381	
9,800.00	7,696.00	7,646.00	7,646.00	69.23	132.50	90.00	2,357.19	109.66	2,866.56	2,685.79	180.76	15.858	
9,900.00	7,696.00	7,646.00	7,646.00	71.62	132.50	90.00	2,357.19	109.66	2,958.16	2,777.11	181.05	16.339	
10,000.00	7,696.00	7,646.00	7,646.00	74.03	132.50	90.00	2,357.19	109.66	3,050.30	2,868.98	181.32	16.823	
10,100.00	7,696.00	7,646.00	7,646.00	76.46	132.50	90.00	2,357.19	109.66	3,142.91	2,961.35	181.57	17.310	
10,200.00	7,696.00	7,646.00	7,646.00	78.91	132.50	90.00	2,357.19	109.66	3,235.97	3,054.17	181.80	17.800	
10,300.00	7,696.00	7,646.00	7,646.00	81.37	132.50	90.00	2,357.19	109.66	3,329.43	3,147.41	182.01	18.292	
10,400.00	7,696.00	7,646.00	7,646.00	83.85	132.50	90.00	2,357.19	109.66	3,423.26	3,241.04	182.22	18.787	
10,500.00	7,696.00	7,646.00	7,646.00	86.34	132.50	90.00	2,357.19	109.66	3,517.42	3,335.02	182.41	19.283	
10,600.00	7,696.00	7,646.00	7,646.00	88.84	132.50	90.00	2,357.19	109.66	3,611.91	3,429.32	182.59	19.782	
10,700.00	7,696.00	7,646.00	7,646.00	91.36	132.50	90.00	2,357.19	109.66	3,706.68	3,523.92	182.76	20.282	
10,800.00	7,696.00	7,646.00	7,646.00	93.88	132.50	90.00	2,357.19	109.66	3,801.72	3,618.80	182.92	20.784	
10,900.00	7,696.00	7,646.00	7,646.00	96.42	132.50	90.00	2,357.19	109.66	3,897.00	3,713.93	183.07	21.287	
11,000.00	7,696.00	7,646.00	7,646.00	98.96	132.50	90.00	2,357.19	109.66	3,992.52	3,809.30	183.22	21.791	
11,100.00	7,696.00	7,646.00	7,646.00	101.51	132.50	90.00	2,357.19	109.66	4,088.25	3,904.90	183.35	22.297	
11,200.00	7,696.00	7,646.00	7,646.00	104.07	132.50	90.00	2,357.19	109.66	4,184.19	4,000.70	183.49	22.804	
11,300.00	7,696.00	7,646.00	7,646.00	106.64	132.50	90.00	2,357.19	109.66	4,280.30	4,096.69	183.61	23.312	
11,400.00	7,696.00	7,646.00	7,646.00	109.21	132.50	90.00	2,357.19	109.66	4,376.60	4,192.86	183.73	23.821	
11,500.00	7,696.00	7,646.00	7,646.00	111.79	132.50	90.00	2,357.19	109.66	4,473.05	4,289.20	183.85	24.330	
11,600.00	7,696.00	7,646.00	7,646.00	114.37	132.50	90.00	2,357.19	109.66	4,569.66	4,385.70	183.96	24.841	
11,700.00	7,696.00	7,646.00	7,646.00	116.96	132.50	90.00	2,357.19	109.66	4,666.41	4,482.34	184.06	25.352	
11,800.00	7,696.00	7,646.00	7,646.00	119.56	132.50	90.00	2,357.19	109.66	4,763.29	4,579.12	184.17	25.864	
11,900.00	7,696.00	7,646.00	7,646.00	122.16	132.50	90.00	2,357.19	109.66	4,860.30	4,676.04	184.27	26.377	
12,000.00	7,696.00	7,646.00	7,646.00	124.76	132.50	90.00	2,357.19	109.66	4,957.43	4,773.07	184.36	26.890	
12,100.00	7,696.00	7,646.00	7,646.00	127.37	132.50	90.00	2,357.19	109.66	5,054.67	4,870.22	184.45	27.403	
12,200.00	7,696.00	7,646.00	7,646.00	129.98	132.50	90.00	2,357.19	109.66	5,152.02	4,967.47	184.55	27.917	
12,300.00	7,696.00	7,646.00	7,646.00	132.59	132.50	90.00	2,357.19	109.66	5,249.47	5,064.83	184.63	28.432	
12,400.00	7,696.00	7,646.00	7,646.00	135.21	132.50	90.00	2,357.19	109.66	5,347.01	5,162.29	184.72	28.947	
12,500.00	7,696.00	7,646.00	7,646.00	137.83	132.50	90.00	2,357.19	109.66	5,444.64	5,259.84	184.80	29.462	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - ABND VERT FLADER INDUSTRIES INC B-1 - OWB - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-INC-ONLY													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)	Minimum Separation (usft)	Separation Factor		
12,600.00	7,696.00	7,646.00	7,646.00	140.45	132.50	90.00	2,357.19	109.66	5,542.35	5,357.47	184.88	29.978		
12,700.00	7,696.00	7,646.00	7,646.00	143.08	132.50	90.00	2,357.19	109.66	5,640.15	5,455.19	184.96	30.494		
12,800.00	7,696.00	7,646.00	7,646.00	145.71	132.50	90.00	2,357.19	109.66	5,738.02	5,552.98	185.04	31.010		
12,900.00	7,696.00	7,646.00	7,646.00	148.34	132.50	90.00	2,357.19	109.66	5,835.96	5,650.85	185.11	31.526		
13,000.00	7,696.00	7,646.00	7,646.00	150.97	132.50	90.00	2,357.19	109.66	5,933.97	5,748.78	185.19	32.043		
13,100.00	7,696.00	7,646.00	7,646.00	153.61	132.50	90.00	2,357.19	109.66	6,032.05	5,846.79	185.26	32.560		
13,200.00	7,696.00	7,646.00	7,646.00	156.24	132.50	90.00	2,357.19	109.66	6,130.19	5,944.86	185.33	33.077		
13,300.00	7,696.00	7,646.00	7,646.00	158.88	132.50	90.00	2,357.19	109.66	6,228.39	6,042.98	185.40	33.594		
13,400.00	7,696.00	7,646.00	7,646.00	161.53	132.50	90.00	2,357.19	109.66	6,326.64	6,141.17	185.47	34.111		
13,500.00	7,696.00	7,646.00	7,646.00	164.17	132.50	90.00	2,357.19	109.66	6,424.95	6,239.41	185.54	34.628		
13,600.00	7,696.00	7,646.00	7,646.00	166.81	132.50	90.00	2,357.19	109.66	6,523.31	6,337.70	185.61	35.146		
13,700.00	7,696.00	7,646.00	7,646.00	169.46	132.50	90.00	2,357.19	109.66	6,621.72	6,436.04	185.67	35.663		
13,800.00	7,696.00	7,646.00	7,646.00	172.11	132.50	90.00	2,357.19	109.66	6,720.17	6,534.44	185.74	36.181		
13,900.00	7,696.00	7,646.00	7,646.00	174.76	132.50	90.00	2,357.19	109.66	6,818.68	6,632.87	185.80	36.698		
14,000.00	7,696.00	7,646.00	7,646.00	177.41	132.50	90.00	2,357.19	109.66	6,917.22	6,731.35	185.87	37.216		
14,100.00	7,696.00	7,646.00	7,646.00	180.06	132.50	90.00	2,357.19	109.66	7,015.81	6,829.87	185.93	37.733		
14,200.00	7,696.00	7,646.00	7,646.00	182.72	132.50	90.00	2,357.19	109.66	7,114.43	6,928.43	186.00	38.251		
14,300.00	7,696.00	7,646.00	7,646.00	185.37	132.50	90.00	2,357.19	109.66	7,213.09	7,027.03	186.06	38.768		
14,400.00	7,696.00	7,646.00	7,646.00	188.03	132.50	90.00	2,357.19	109.66	7,311.79	7,125.67	186.12	39.285		
14,500.00	7,696.00	7,646.00	7,646.00	190.69	132.50	90.00	2,357.19	109.66	7,410.53	7,224.34	186.18	39.803		
14,600.00	7,696.00	7,646.00	7,646.00	193.34	132.50	90.00	2,357.19	109.66	7,509.29	7,323.05	186.24	40.320		
14,700.00	7,696.00	7,646.00	7,646.00	196.00	132.50	90.00	2,357.19	109.66	7,608.09	7,421.79	186.30	40.837		
14,800.00	7,696.00	7,646.00	7,646.00	198.66	132.50	90.00	2,357.19	109.66	7,706.92	7,520.56	186.36	41.354		
14,900.00	7,696.00	7,646.00	7,646.00	201.33	132.50	90.00	2,357.19	109.66	7,805.78	7,619.36	186.42	41.871		
15,000.00	7,696.00	7,646.00	7,646.00	203.99	132.50	90.00	2,357.19	109.66	7,904.67	7,718.19	186.48	42.388		
15,100.00	7,696.00	7,646.00	7,646.00	206.65	132.50	90.00	2,357.19	109.66	8,003.59	7,817.04	186.54	42.904		
15,200.00	7,696.00	7,646.00	7,646.00	209.32	132.50	90.00	2,357.19	109.66	8,102.53	7,915.93	186.60	43.421		
15,300.00	7,696.00	7,646.00	7,646.00	211.98	132.50	90.00	2,357.19	109.66	8,201.50	8,014.84	186.66	43.937		
15,400.00	7,696.00	7,646.00	7,646.00	214.65	132.50	90.00	2,357.19	109.66	8,300.49	8,113.77	186.72	44.454		
15,500.00	7,696.00	7,646.00	7,646.00	217.31	132.50	90.00	2,357.19	109.66	8,399.51	8,212.73	186.78	44.970		
15,600.00	7,696.00	7,646.00	7,646.00	219.98	132.50	90.00	2,357.19	109.66	8,498.55	8,311.71	186.84	45.486		
15,700.00	7,696.00	7,646.00	7,646.00	222.65	132.50	90.00	2,357.19	109.66	8,597.61	8,410.71	186.90	46.001		
15,800.00	7,696.00	7,646.00	7,646.00	225.32	132.50	90.00	2,357.19	109.66	8,696.70	8,509.74	186.96	46.517		
15,900.00	7,696.00	7,646.00	7,646.00	227.99	132.50	90.00	2,357.19	109.66	8,795.80	8,608.79	187.02	47.032		
16,000.00	7,696.00	7,646.00	7,646.00	230.66	132.50	90.00	2,357.19	109.66	8,894.93	8,707.85	187.08	47.547		
16,100.00	7,696.00	7,646.00	7,646.00	233.33	132.50	90.00	2,357.19	109.66	8,994.07	8,806.94	187.14	48.062		
16,200.00	7,696.00	7,646.00	7,646.00	236.00	132.50	90.00	2,357.19	109.66	9,093.23	8,906.04	187.19	48.577		
16,300.00	7,696.00	7,646.00	7,646.00	238.67	132.50	90.00	2,357.19	109.66	9,192.42	9,005.16	187.25	49.091		
16,400.00	7,696.00	7,646.00	7,646.00	241.34	132.50	90.00	2,357.19	109.66	9,291.61	9,104.30	187.31	49.605		
16,500.00	7,696.00	7,646.00	7,646.00	244.02	132.50	90.00	2,357.19	109.66	9,390.83	9,203.46	187.37	50.119		
16,600.00	7,696.00	7,646.00	7,646.00	246.69	132.50	90.00	2,357.19	109.66	9,490.06	9,302.63	187.43	50.633		
16,700.00	7,696.00	7,646.00	7,646.00	249.36	132.50	90.00	2,357.19	109.66	9,589.31	9,401.82	187.49	51.146		
16,800.00	7,696.00	7,646.00	7,646.00	252.04	132.50	90.00	2,357.19	109.66	9,688.57	9,501.03	187.55	51.659		
16,900.00	7,696.00	7,646.00	7,646.00	254.71	132.50	90.00	2,357.19	109.66	9,787.85	9,600.25	187.61	52.172		
17,000.00	7,696.00	7,646.00	7,646.00	257.39	132.50	90.00	2,357.19	109.66	9,887.15	9,699.48	187.67	52.685		
17,100.00	7,696.00	7,646.00	7,646.00	260.07	132.50	90.00	2,357.19	109.66	9,986.45	9,798.73	187.73	53.197		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	0.00	0.00	88.99	0.35	19.97	19.97				
100.00	100.00	101.00	99.00	0.13	0.14	88.99	0.35	19.97	19.97	19.70	0.27	73.294	
200.00	200.00	201.00	199.00	0.49	0.50	88.99	0.35	19.97	19.97	18.98	0.99	20.182	
300.00	300.00	301.00	299.00	0.85	0.85	88.99	0.35	19.97	19.97	18.26	1.71	11.702 CC	
400.00	399.98	401.02	398.98	1.21	1.21	107.45	0.35	19.97	20.42	18.00	2.42	8.429	
500.00	499.84	498.84	498.84	1.57	1.56	120.19	0.35	19.97	22.55	19.42	3.13	7.195	
600.00	599.45	599.26	599.24	1.94	1.92	134.04	1.85	19.13	26.49	22.63	3.86	6.869	
700.00	698.70	699.91	699.75	2.32	2.29	145.42	6.45	16.58	31.10	26.52	4.58	6.792	
800.00	797.47	800.29	799.76	2.72	2.65	155.04	13.87	12.45	36.51	31.21	5.30	6.883	
900.00	896.03	900.07	898.98	3.14	3.02	162.52	21.84	8.02	43.25	37.22	6.03	7.172	
1,000.00	994.59	999.57	998.21	3.57	3.39	167.92	29.80	3.59	50.52	43.76	6.76	7.477	
1,100.00	1,093.16	1,100.80	1,097.43	4.00	3.77	171.94	37.76	-0.83	58.12	50.63	7.49	7.758	
1,200.00	1,191.72	1,198.84	1,196.65	4.44	4.14	175.02	45.72	-5.26	65.94	57.72	8.22	8.023	
1,300.00	1,290.28	1,301.52	1,295.87	4.88	4.53	177.44	53.69	-9.69	73.91	64.94	8.97	8.244	
1,400.00	1,388.84	1,401.88	1,395.09	5.32	4.92	179.39	61.65	-14.11	81.98	72.28	9.71	8.447	
1,500.00	1,487.40	1,497.76	1,494.31	5.76	5.28	-179.02	69.61	-18.54	90.14	79.70	10.43	8.640	
1,600.00	1,585.96	1,602.60	1,593.53	6.20	5.68	-177.68	77.57	-22.97	98.35	87.15	11.19	8.787	
1,700.00	1,684.52	1,702.97	1,692.75	6.65	6.07	-176.56	85.53	-27.39	106.60	94.66	11.94	8.929	
1,800.00	1,783.09	1,803.33	1,791.97	7.09	6.45	-175.59	93.50	-31.82	114.89	102.21	12.69	9.057	
1,900.00	1,881.65	1,903.69	1,891.20	7.54	6.84	-174.76	101.46	-36.25	123.21	109.78	13.43	9.171	
2,000.00	1,980.21	2,004.05	1,990.42	7.99	7.22	-174.03	109.42	-40.67	131.55	117.37	14.18	9.275	
2,100.00	2,078.77	2,104.41	2,089.64	8.43	7.61	-173.39	117.38	-45.10	139.91	124.98	14.93	9.369	
2,200.00	2,177.33	2,204.77	2,188.86	8.88	8.00	-172.82	125.35	-49.53	148.29	132.60	15.68	9.455	
2,300.00	2,275.89	2,305.13	2,288.08	9.33	8.38	-172.31	133.31	-53.95	156.67	140.24	16.43	9.533	
2,400.00	2,374.45	2,405.50	2,387.30	9.78	8.77	-171.86	141.27	-58.38	165.07	147.89	17.19	9.605	
2,500.00	2,473.02	2,505.86	2,486.52	10.23	9.16	-171.45	149.23	-62.81	173.48	155.54	17.94	9.671	
2,600.00	2,571.58	2,606.22	2,585.74	10.67	9.54	-171.07	157.19	-67.23	181.90	163.21	18.69	9.732	
2,700.00	2,670.14	2,706.58	2,684.97	11.12	9.93	-170.73	165.16	-71.66	190.32	170.88	19.44	9.788	
2,800.00	2,768.70	2,806.94	2,784.19	11.57	10.32	-170.42	173.12	-76.09	198.75	178.55	20.20	9.841	
2,900.00	2,867.26	2,907.30	2,883.41	12.02	10.70	-170.13	181.08	-80.51	207.18	186.23	20.95	9.889	
3,000.00	2,965.82	3,007.66	2,982.63	12.47	11.09	-169.87	189.04	-84.94	215.62	193.92	21.70	9.935	
3,100.00	3,064.38	3,108.03	3,081.85	12.92	11.48	-169.62	197.01	-89.37	224.07	201.61	22.46	9.977	
3,200.00	3,162.95	3,208.39	3,181.07	13.37	11.87	-169.40	204.97	-93.79	232.51	209.30	23.21	10.017	
3,300.00	3,261.51	3,308.75	3,280.29	13.82	12.25	-169.19	212.93	-98.22	240.96	217.00	23.97	10.054	
3,400.00	3,360.07	3,390.89	3,379.51	14.27	12.57	-168.99	220.89	-102.65	249.42	224.76	24.65	10.117	
3,500.00	3,458.63	3,509.47	3,478.73	14.72	13.03	-168.81	228.85	-107.07	257.87	232.40	25.48	10.123	
3,600.00	3,557.19	3,609.83	3,577.96	15.17	13.42	-168.63	236.82	-111.50	266.33	240.10	26.23	10.154	
3,700.00	3,655.75	3,689.80	3,677.18	15.62	13.72	-168.47	244.78	-115.93	274.79	247.88	26.91	10.212	
3,800.00	3,754.32	3,789.44	3,776.40	16.07	14.11	-168.32	252.74	-120.35	283.26	255.60	27.66	10.240	
3,900.00	3,852.88	3,889.08	3,875.62	16.52	14.49	-168.18	260.70	-124.78	291.72	263.31	28.41	10.267	
4,000.00	3,951.44	3,988.72	3,974.84	16.97	14.88	-168.04	268.67	-129.21	300.19	271.02	29.17	10.292	
4,100.00	4,050.00	4,088.36	4,074.06	17.42	15.26	-167.92	276.63	-133.63	308.66	278.74	29.92	10.316	
4,200.00	4,148.56	4,188.00	4,173.28	17.87	15.65	-167.79	284.59	-138.06	317.13	286.46	30.67	10.339	
4,300.00	4,247.12	4,287.64	4,272.50	18.32	16.03	-167.68	292.55	-142.49	325.60	294.17	31.43	10.361	
4,400.00	4,345.68	4,387.27	4,371.72	18.77	16.42	-167.57	300.51	-146.91	334.07	301.89	32.18	10.382	
4,500.00	4,444.25	4,486.91	4,470.95	19.22	16.80	-167.47	308.48	-151.34	342.54	309.61	32.93	10.402	
4,600.00	4,542.81	4,586.55	4,570.17	19.67	17.19	-167.37	316.44	-155.77	351.02	317.33	33.68	10.421	
4,700.00	4,641.37	4,686.19	4,669.39	20.12	17.57	-167.28	324.40	-160.19	359.49	325.06	34.44	10.439	
4,800.00	4,739.93	4,785.83	4,768.61	20.57	17.96	-167.19	332.36	-164.62	367.97	332.78	35.19	10.456	
4,900.00	4,838.49	4,885.47	4,867.83	21.02	18.34	-167.10	340.32	-169.05	376.45	340.50	35.94	10.473	
5,000.00	4,937.05	4,985.11	4,967.05	21.47	18.73	-167.02	348.29	-173.47	384.93	348.23	36.70	10.489	
5,100.00	5,035.61	5,084.74	5,066.27	21.92	19.11	-166.94	356.25	-177.90	393.40	355.95	37.45	10.505	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	5,184.38	5,165.49	22.38	19.50	-166.87	364.21	-182.33	401.88	363.68	38.20	10.519		
5,300.00	5,232.74	5,284.02	5,264.72	22.83	19.88	-166.80	372.17	-186.75	410.36	371.41	38.96	10.534		
5,400.00	5,331.30	5,383.66	5,363.94	23.28	20.27	-166.73	380.14	-191.18	418.84	379.13	39.71	10.547		
5,500.00	5,429.86	5,483.30	5,463.16	23.73	20.66	-166.66	388.10	-195.61	427.33	386.86	40.46	10.560		
5,600.00	5,528.42	5,582.94	5,562.38	24.18	21.04	-166.60	396.06	-200.03	435.81	394.59	41.22	10.573		
5,700.00	5,626.98	5,682.58	5,661.60	24.63	21.43	-166.54	404.02	-204.46	444.29	402.32	41.97	10.585		
5,800.00	5,725.54	5,782.21	5,760.82	25.08	21.81	-166.48	411.98	-208.89	452.77	410.05	42.73	10.597		
5,900.00	5,824.11	5,881.85	5,860.04	25.53	22.20	-166.42	419.95	-213.31	461.26	417.78	43.48	10.609		
6,000.00	5,922.67	5,981.49	5,959.26	25.98	22.58	-166.37	427.91	-217.74	469.74	425.51	44.23	10.620		
6,100.00	6,021.23	6,081.13	6,058.48	26.43	22.97	-166.32	435.87	-222.16	478.22	433.24	44.99	10.630		
6,200.00	6,119.79	6,180.77	6,157.71	26.88	23.35	-166.26	443.83	-226.59	486.71	440.97	45.74	10.641		
6,300.00	6,218.35	6,280.41	6,256.93	27.33	23.74	-166.22	451.80	-231.02	495.19	448.70	46.49	10.651		
6,400.00	6,316.91	6,380.04	6,356.15	27.78	24.12	-166.17	459.76	-235.44	503.68	456.43	47.25	10.660		
6,500.00	6,415.48	6,479.68	6,455.37	28.23	24.51	-166.12	467.72	-239.87	512.16	464.16	48.00	10.670		
6,600.00	6,514.04	6,579.32	6,554.59	28.69	24.89	-166.08	475.68	-244.30	520.65	471.89	48.76	10.679		
6,700.00	6,612.60	6,678.96	6,653.81	29.14	25.28	-166.04	483.64	-248.72	529.14	479.63	49.51	10.687		
6,800.00	6,711.16	6,778.60	6,753.03	29.59	25.66	-165.99	491.61	-253.15	537.62	487.36	50.26	10.696		
6,900.00	6,809.72	6,878.24	6,852.25	30.04	26.05	-165.95	499.57	-257.58	546.11	495.09	51.02	10.704		
7,000.00	6,908.28	6,977.88	6,951.48	30.49	26.43	-165.91	507.53	-262.00	554.60	502.82	51.77	10.712		
7,100.00	7,006.84	7,077.51	7,050.70	30.94	26.82	-165.88	515.49	-266.43	563.08	510.56	52.53	10.720		
7,200.00	7,105.41	7,177.15	7,149.92	31.39	27.20	-165.84	523.46	-270.86	571.57	518.29	53.28	10.728		
7,300.00	7,203.81	7,278.46	7,249.90	31.85	27.62	-140.73	531.75	-283.96	579.87	525.76	54.12	10.715		
7,400.00	7,300.02	7,378.26	7,344.59	32.33	28.08	-115.98	540.17	-313.91	587.66	532.61	55.05	10.674		
7,500.00	7,391.09	7,476.68	7,431.47	32.83	28.57	-105.28	548.46	-359.13	594.68	538.60	56.08	10.603		
7,600.00	7,474.26	7,573.81	7,508.38	33.35	29.11	-99.39	556.39	-417.74	600.70	543.47	57.23	10.496		
7,700.00	7,546.99	7,669.78	7,573.57	33.90	29.74	-95.66	563.75	-487.63	605.53	546.99	58.54	10.344		
7,800.00	7,607.07	7,764.72	7,625.71	34.51	30.47	-93.16	570.38	-566.56	608.99	548.93	60.06	10.139		
7,900.00	7,652.68	7,858.77	7,663.84	35.20	31.35	-91.51	576.11	-652.23	610.96	549.12	61.84	9.880		
8,000.00	7,682.43	7,952.06	7,687.34	36.00	32.36	-90.51	580.83	-742.28	611.34	547.47	63.87	9.571		
8,100.00	7,695.43	8,044.75	7,695.95	36.92	33.50	-90.09	584.44	-834.40	610.12	543.98	66.14	9.225		
8,200.00	7,696.00	8,144.13	7,696.00	37.98	34.86	-90.09	587.61	-933.72	607.55	538.66	68.89	8.819		
8,300.00	7,696.00	8,244.09	7,696.00	39.21	36.38	-90.09	590.79	-1,033.64	604.89	532.94	71.96	8.406		
8,400.00	7,696.00	8,344.06	7,696.00	40.59	38.02	-90.10	593.97	-1,133.55	602.23	526.95	75.28	8.000		
8,500.00	7,696.00	8,444.02	7,696.00	42.11	39.78	-90.10	597.16	-1,233.47	599.57	520.74	78.83	7.606		
8,600.00	7,696.00	8,543.99	7,696.00	43.76	41.65	-90.10	600.34	-1,333.38	596.91	514.32	82.59	7.228		
8,700.00	7,696.00	8,643.95	7,696.00	45.51	43.60	-90.10	603.52	-1,433.29	594.25	507.74	86.51	6.869		
8,800.00	7,696.00	8,743.91	7,696.00	47.37	45.63	-90.10	606.70	-1,533.21	591.59	501.00	90.59	6.530		
8,900.00	7,696.00	8,843.88	7,696.00	49.31	47.73	-90.10	609.88	-1,633.12	588.93	494.13	94.80	6.212		
9,000.00	7,696.00	8,943.84	7,696.00	51.33	49.88	-90.10	613.06	-1,733.04	586.27	487.14	99.13	5.914		
9,100.00	7,696.00	9,043.81	7,696.00	53.41	52.09	-90.10	616.25	-1,832.95	583.61	480.06	103.55	5.636		
9,200.00	7,696.00	9,143.77	7,696.00	55.54	54.34	-90.10	619.43	-1,932.86	580.95	472.89	108.06	5.376		
9,300.00	7,696.00	9,243.74	7,696.00	57.73	56.64	-90.10	622.61	-2,032.78	578.29	465.63	112.66	5.133		
9,400.00	7,696.00	9,343.70	7,696.00	59.96	58.96	-90.10	625.79	-2,132.69	575.63	458.31	117.31	4.907		
9,500.00	7,696.00	9,443.67	7,696.00	62.23	61.32	-90.10	628.97	-2,232.61	572.97	450.93	122.03	4.695		
9,600.00	7,696.00	9,543.63	7,696.00	64.54	63.71	-90.10	632.15	-2,332.52	570.31	443.50	126.81	4.497		
9,700.00	7,696.00	9,643.60	7,696.00	66.87	66.11	-90.10	635.34	-2,432.43	567.65	436.02	131.63	4.312		
9,800.00	7,696.00	9,743.56	7,696.00	69.23	68.55	-90.10	638.52	-2,532.35	564.99	428.49	136.50	4.139		
9,900.00	7,696.00	9,843.53	7,696.00	71.62	71.00	-90.10	641.70	-2,632.26	562.33	420.93	141.40	3.977		
10,000.00	7,696.00	9,943.49	7,696.00	74.03	73.46	-90.10	644.88	-2,732.18	559.67	413.33	146.34	3.824		
10,100.00	7,696.00	10,043.45	7,696.00	76.46	75.95	-90.10	648.06	-2,832.09	557.01	405.70	151.31	3.681		
10,200.00	7,696.00	10,143.42	7,696.00	78.91	78.45	-90.10	651.25	-2,932.00	554.35	398.04	156.30	3.547		
10,300.00	7,696.00	10,243.38	7,696.00	81.37	80.96	-90.10	654.43	-3,031.92	551.69	390.36	161.33	3.420		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,696.00	10,343.35	7,696.00	83.85	83.48	-90.10	657.61	-3,131.83	549.03	382.65	166.37	3.300		
10,500.00	7,696.00	10,443.31	7,696.00	86.34	86.01	-90.10	660.79	-3,231.74	546.37	374.92	171.44	3.187		
10,600.00	7,696.00	10,543.28	7,696.00	88.84	88.56	-90.11	663.97	-3,331.66	543.71	367.18	176.53	3.080		
10,700.00	7,696.00	10,643.24	7,696.00	91.36	91.11	-90.11	667.15	-3,431.57	541.05	359.41	181.63	2.979		
10,800.00	7,696.00	10,743.21	7,696.00	93.88	93.67	-90.11	670.34	-3,531.49	538.39	351.63	186.75	2.883		
10,900.00	7,696.00	10,843.17	7,696.00	96.42	96.24	-90.11	673.52	-3,631.40	535.73	343.83	191.89	2.792		
11,000.00	7,696.00	10,943.14	7,696.00	98.96	98.82	-90.11	676.70	-3,731.31	533.06	336.02	197.04	2.705		
11,100.00	7,696.00	11,043.10	7,696.00	101.51	101.40	-90.11	679.88	-3,831.23	530.40	328.20	202.20	2.623		
11,200.00	7,696.00	11,143.07	7,696.00	104.07	103.99	-90.11	683.06	-3,931.14	527.74	320.37	207.38	2.545		
11,300.00	7,696.00	11,243.03	7,696.00	106.64	106.58	-90.11	686.24	-4,031.06	525.08	312.52	212.56	2.470		
11,400.00	7,696.00	11,342.99	7,696.00	109.21	109.18	-90.11	689.43	-4,130.97	522.42	304.66	217.76	2.399		
11,500.00	7,696.00	11,442.96	7,696.00	111.79	111.78	-90.11	692.61	-4,230.88	519.76	296.80	222.97	2.331		
11,600.00	7,696.00	11,542.92	7,696.00	114.37	114.39	-90.11	695.79	-4,330.80	517.10	288.92	228.18	2.266		
11,700.00	7,696.00	11,642.89	7,696.00	116.96	117.00	-90.11	698.97	-4,430.71	514.44	281.04	233.40	2.204		
11,800.00	7,696.00	11,742.85	7,696.00	119.56	119.62	-90.11	702.15	-4,530.63	511.78	273.15	238.63	2.145		
11,900.00	7,696.00	11,842.82	7,696.00	122.16	122.24	-90.11	705.34	-4,630.54	509.12	265.25	243.87	2.088		
12,000.00	7,696.00	11,942.78	7,696.00	124.76	124.86	-90.11	708.52	-4,730.45	506.46	257.35	249.11	2.033		
12,100.00	7,696.00	12,042.75	7,696.00	127.37	127.49	-90.11	711.70	-4,830.37	503.80	249.44	254.36	1.981		
12,200.00	7,696.00	12,142.71	7,696.00	129.98	130.12	-90.11	714.88	-4,930.28	501.14	241.52	259.62	1.930		
12,300.00	7,696.00	12,242.68	7,696.00	132.59	132.75	-90.11	718.06	-5,030.20	498.48	233.60	264.88	1.882		
12,400.00	7,696.00	12,342.64	7,696.00	135.21	135.38	-90.12	721.24	-5,130.11	495.82	225.67	270.15	1.835		
12,500.00	7,696.00	12,442.61	7,696.00	137.83	138.02	-90.12	724.43	-5,230.02	493.16	217.74	275.42	1.791		
12,600.00	7,696.00	12,542.57	7,696.00	140.45	140.66	-90.12	727.61	-5,329.94	490.50	209.80	280.70	1.747		
12,700.00	7,696.00	12,642.53	7,696.00	143.08	143.30	-90.12	730.79	-5,429.85	487.84	201.86	285.98	1.706		
12,800.00	7,696.00	12,742.50	7,696.00	145.71	145.95	-90.12	733.97	-5,529.77	485.18	193.92	291.26	1.666		
12,900.00	7,696.00	12,842.46	7,696.00	148.34	148.59	-90.12	737.15	-5,629.68	482.52	185.97	296.55	1.627		
13,000.00	7,696.00	12,942.43	7,696.00	150.97	151.24	-90.12	740.33	-5,729.59	479.86	178.02	301.84	1.590		
13,100.00	7,696.00	13,042.39	7,696.00	153.61	153.89	-90.12	743.52	-5,829.51	477.20	170.06	307.14	1.554		
13,200.00	7,696.00	13,142.36	7,696.00	156.24	156.54	-90.12	746.70	-5,929.42	474.54	162.10	312.44	1.519		
13,300.00	7,696.00	13,242.32	7,696.00	158.88	159.19	-90.12	749.88	-6,029.34	471.88	154.14	317.74	1.485 Level 3		
13,400.00	7,696.00	13,342.29	7,696.00	161.53	161.85	-90.12	753.06	-6,129.25	469.22	146.17	323.05	1.452 Level 3		
13,500.00	7,696.00	13,442.25	7,696.00	164.17	164.50	-90.12	756.24	-6,229.16	466.56	138.20	328.36	1.421 Level 3		
13,600.00	7,696.00	13,542.22	7,696.00	166.81	167.16	-90.12	759.42	-6,329.08	463.90	130.23	333.67	1.390 Level 3		
13,700.00	7,696.00	13,642.18	7,696.00	169.46	169.82	-90.12	762.61	-6,428.99	461.24	122.25	338.99	1.361 Level 3		
13,800.00	7,696.00	13,742.15	7,696.00	172.11	172.48	-90.12	765.79	-6,528.91	458.58	114.28	344.30	1.332 Level 3		
13,900.00	7,696.00	13,842.11	7,696.00	174.76	175.14	-90.13	768.97	-6,628.82	455.92	106.30	349.62	1.304 Level 3		
14,000.00	7,696.00	13,942.07	7,696.00	177.41	177.80	-90.13	772.15	-6,728.73	453.26	98.31	354.94	1.277 Level 3		
14,100.00	7,696.00	14,042.04	7,696.00	180.06	180.47	-90.13	775.33	-6,828.65	450.60	90.33	360.27	1.251 Level 3		
14,200.00	7,696.00	14,142.00	7,696.00	182.72	183.13	-90.13	778.52	-6,928.56	447.94	82.34	365.59	1.225 Level 2		
14,300.00	7,696.00	14,241.97	7,696.00	185.37	185.80	-90.13	781.70	-7,028.48	445.28	74.36	370.92	1.200 Level 2		
14,400.00	7,696.00	14,341.93	7,696.00	188.03	188.46	-90.13	784.88	-7,128.39	442.62	66.37	376.25	1.176 Level 2		
14,500.00	7,696.00	14,441.90	7,696.00	190.69	191.13	-90.13	788.06	-7,228.30	439.96	58.37	381.58	1.153 Level 2		
14,600.00	7,696.00	14,541.86	7,696.00	193.34	193.80	-90.13	791.24	-7,328.22	437.30	50.38	386.92	1.130 Level 2		
14,700.00	7,696.00	14,641.83	7,696.00	196.00	196.47	-90.13	794.42	-7,428.13	434.64	42.39	392.25	1.108 Level 2		
14,800.00	7,696.00	14,741.79	7,696.00	198.66	199.14	-90.13	797.61	-7,528.05	431.98	34.39	397.59	1.086 Level 2		
14,900.00	7,696.00	14,841.76	7,696.00	201.33	201.81	-90.13	800.79	-7,627.96	429.32	26.39	402.93	1.065 Level 2		
15,000.00	7,696.00	14,941.72	7,696.00	203.99	204.48	-90.13	803.97	-7,727.87	426.66	18.39	408.27	1.045 Level 2		
15,100.00	7,696.00	15,041.69	7,696.00	206.65	207.15	-90.14	807.15	-7,827.79	424.00	10.39	413.61	1.025 Level 2		
15,200.00	7,696.00	15,141.65	7,696.00	209.32	209.82	-90.14	810.33	-7,927.70	421.34	2.39	418.95	1.006 Level 2		
15,300.00	7,696.00	15,241.61	7,696.00	211.98	212.50	-90.14	813.51	-8,027.62	418.67	-5.62	424.29	0.987 Level 1		
15,400.00	7,696.00	15,341.58	7,696.00	214.65	215.17	-90.14	816.70	-8,127.53	416.01	-13.62	429.64	0.968 Level 1		
15,500.00	7,696.00	15,441.54	7,696.00	217.31	217.85	-90.14	819.88	-8,227.44	413.35	-21.63	434.98	0.950 Level 1		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,696.00	15,541.51	7,696.00	219.98	220.52	-90.14	823.06	-8,327.36	410.69	-29.64	440.33	0.933	Level 1	
15,700.00	7,696.00	15,641.47	7,696.00	222.65	223.20	-90.14	826.24	-8,427.27	408.03	-37.65	445.68	0.916	Level 1	
15,800.00	7,696.00	15,741.44	7,696.00	225.32	225.88	-90.14	829.42	-8,527.18	405.37	-45.66	451.03	0.899	Level 1	
15,900.00	7,696.00	15,841.40	7,696.00	227.99	228.55	-90.14	832.61	-8,627.10	402.71	-53.67	456.38	0.882	Level 1	
16,000.00	7,696.00	15,941.37	7,696.00	230.66	231.23	-90.14	835.79	-8,727.01	400.05	-61.68	461.73	0.866	Level 1	
16,100.00	7,696.00	16,041.33	7,696.00	233.33	233.91	-90.14	838.97	-8,826.93	397.39	-69.69	467.09	0.851	Level 1	
16,200.00	7,696.00	16,141.30	7,696.00	236.00	236.59	-90.15	842.15	-8,926.84	394.73	-77.71	472.44	0.836	Level 1	
16,300.00	7,696.00	16,241.26	7,696.00	238.67	239.27	-90.15	845.33	-9,026.75	392.07	-85.72	477.80	0.821	Level 1	
16,400.00	7,696.00	16,341.23	7,696.00	241.34	241.95	-90.15	848.51	-9,126.67	389.41	-93.74	483.15	0.806	Level 1	
16,500.00	7,696.00	16,441.19	7,696.00	244.02	244.63	-90.15	851.70	-9,226.58	386.75	-101.76	488.51	0.792	Level 1	
16,600.00	7,696.00	16,541.15	7,696.00	246.69	247.31	-90.15	854.88	-9,326.50	384.09	-109.77	493.86	0.778	Level 1	
16,700.00	7,696.00	16,641.12	7,696.00	249.36	249.99	-90.15	858.06	-9,426.41	381.43	-117.79	499.22	0.764	Level 1	
16,800.00	7,696.00	16,741.08	7,696.00	252.04	252.67	-90.15	861.24	-9,526.32	378.77	-125.81	504.58	0.751	Level 1	
16,900.00	7,696.00	16,841.05	7,696.00	254.71	255.35	-90.15	864.42	-9,626.24	376.11	-133.83	509.94	0.738	Level 1	
17,000.00	7,696.00	16,941.01	7,696.00	257.39	258.03	-90.15	867.60	-9,726.15	373.45	-141.85	515.30	0.725	Level 1	
17,100.00	7,696.00	17,040.98	7,696.00	260.07	260.71	-90.15	870.79	-9,826.07	370.79	-149.87	520.66	0.712	Level 1	
17,200.00	7,696.00	17,140.94	7,696.00	262.74	263.40	-90.16	873.97	-9,925.98	368.13	-157.89	526.03	0.700	Level 1	
17,300.00	7,696.00	17,240.91	7,696.00	265.42	266.08	-90.16	877.15	-10,025.89	365.47	-165.92	531.39	0.688	Level 1	
17,400.00	7,696.00	17,340.87	7,696.00	268.10	268.76	-90.16	880.33	-10,125.81	362.81	-173.94	536.75	0.676	Level 1	
17,500.00	7,696.00	17,440.84	7,696.00	270.77	271.45	-90.16	883.51	-10,225.72	360.15	-181.97	542.11	0.664	Level 1	
17,600.00	7,696.00	17,540.80	7,696.00	273.45	274.13	-90.16	886.70	-10,325.64	357.49	-189.99	547.48	0.653	Level 1	
17,700.00	7,696.00	17,640.77	7,696.00	276.13	276.81	-90.16	889.88	-10,425.55	354.83	-198.02	552.84	0.642	Level 1	
17,800.00	7,696.00	17,740.73	7,696.00	278.81	279.50	-90.16	893.06	-10,525.46	352.17	-206.04	558.21	0.631	Level 1	
17,900.00	7,696.00	17,840.69	7,696.00	281.49	282.18	-90.16	896.24	-10,625.38	349.51	-214.07	563.58	0.620	Level 1	
18,000.00	7,696.00	17,940.66	7,696.00	284.17	284.87	-90.17	899.42	-10,725.29	346.85	-222.09	568.94	0.610	Level 1	
18,100.00	7,696.00	18,040.62	7,696.00	286.84	287.55	-90.17	902.60	-10,825.21	344.19	-230.12	574.31	0.599	Level 1	
18,200.00	7,696.00	18,140.59	7,696.00	289.52	290.24	-90.17	905.79	-10,925.12	341.53	-238.15	579.68	0.589	Level 1	
18,290.49	7,696.00	18,222.02	7,696.00	291.95	292.43	-90.17	908.38	-11,006.51	339.24	-244.57	583.81	0.581	Level 1, ES, SF	
18,300.00	7,696.00	18,222.02	7,696.00	292.20	292.43	-90.17	908.38	-11,006.51	339.37	-243.74	583.11	0.582	Level 1	
18,400.00	7,696.00	18,222.02	7,696.00	294.89	292.43	-90.17	908.38	-11,006.51	356.48	-194.35	550.83	0.647	Level 1	
18,500.00	7,696.00	18,222.02	7,696.00	297.57	292.43	-90.17	908.38	-11,006.51	400.23	-89.79	490.01	0.817	Level 1	
18,600.00	7,696.00	18,222.02	7,696.00	300.26	292.43	-90.17	908.38	-11,006.51	463.92	37.53	426.39	1.088	Level 2	
18,700.00	7,696.00	18,222.02	7,696.00	302.95	292.43	-90.17	908.38	-11,006.51	538.94	168.00	370.94	1.453	Level 3	
18,800.00	7,696.00	18,222.02	7,696.00	305.64	292.43	-90.17	908.38	-11,006.51	621.04	295.38	325.66	1.907		
18,900.00	7,696.00	18,222.02	7,696.00	308.33	292.43	-90.17	908.38	-11,006.51	707.76	418.39	289.38	2.446		
19,000.00	7,696.00	18,222.02	7,696.00	311.03	292.43	-90.17	908.38	-11,006.51	797.60	537.33	260.27	3.065		
19,100.00	7,696.00	18,222.02	7,696.00	313.72	292.43	-90.17	908.38	-11,006.51	889.61	652.89	236.72	3.758		
19,200.00	7,696.00	18,222.02	7,696.00	316.41	292.43	-90.17	908.38	-11,006.51	983.17	765.73	217.44	4.522		
19,300.00	7,696.00	18,222.02	7,696.00	319.10	292.43	-90.17	908.38	-11,006.51	1,077.90	876.41	201.49	5.350		
19,400.00	7,696.00	18,222.02	7,696.00	321.80	292.43	-90.17	908.38	-11,006.51	1,173.50	985.37	188.13	6.238		
19,500.00	7,696.00	18,222.02	7,696.00	324.49	292.43	-90.17	908.38	-11,006.51	1,269.78	1,092.94	176.84	7.180		
19,600.00	7,696.00	18,222.02	7,696.00	327.18	292.43	-90.17	908.38	-11,006.51	1,366.59	1,199.39	167.20	8.173		
19,700.00	7,696.00	18,222.02	7,696.00	329.88	292.43	-90.17	908.38	-11,006.51	1,463.83	1,304.92	158.91	9.212		
19,800.00	7,696.00	18,222.02	7,696.00	332.57	292.43	-90.17	908.38	-11,006.51	1,561.42	1,409.70	151.72	10.291		
19,900.00	7,696.00	18,222.02	7,696.00	335.26	292.43	-90.17	908.38	-11,006.51	1,659.30	1,513.86	145.45	11.408		
20,000.00	7,696.00	18,222.02	7,696.00	337.96	292.43	-90.17	908.38	-11,006.51	1,757.42	1,617.48	139.94	12.559		
20,100.00	7,696.00	18,222.02	7,696.00	340.65	292.43	-90.17	908.38	-11,006.51	1,855.74	1,720.66	135.07	13.739		
20,200.00	7,696.00	18,222.02	7,696.00	343.34	292.43	-90.17	908.38	-11,006.51	1,954.22	1,823.47	130.75	14.946		
20,300.00	7,696.00	18,222.02	7,696.00	346.04	292.43	-90.17	908.38	-11,006.51	2,052.86	1,925.95	126.91	16.176		
20,400.00	7,696.00	18,222.02	7,696.00	348.73	292.43	-90.17	908.38	-11,006.51	2,151.62	2,028.16	123.46	17.427		
20,500.00	7,696.00	18,222.02	7,696.00	351.43	292.43	-90.17	908.38	-11,006.51	2,250.49	2,130.12	120.37	18.697		
20,600.00	7,696.00	18,222.02	7,696.00	354.12	292.43	-90.17	908.38	-11,006.51	2,349.45	2,231.88	117.58	19.982		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,700.00	7,696.00	18,222.02	7,696.00	356.82	292.43	-90.17	908.38	-11,006.51	2,448.50	2,333.45	115.05	21.281		
20,800.00	7,696.00	18,222.02	7,696.00	359.51	292.43	-90.17	908.38	-11,006.51	2,547.63	2,434.86	112.76	22.593		
20,900.00	7,696.00	18,222.02	7,696.00	362.21	292.43	-90.17	908.38	-11,006.51	2,646.82	2,536.14	110.68	23.914		
21,000.00	7,696.00	18,222.02	7,696.00	364.90	292.43	-90.17	908.38	-11,006.51	2,746.06	2,637.28	108.78	25.244		
21,100.00	7,696.00	18,222.02	7,696.00	367.60	292.43	-90.17	908.38	-11,006.51	2,845.37	2,738.32	107.05	26.581		
21,200.00	7,696.00	18,222.02	7,696.00	370.29	292.43	-90.17	908.38	-11,006.51	2,944.71	2,839.26	105.45	27.924		
21,300.00	7,696.00	18,222.02	7,696.00	372.99	292.43	-90.17	908.38	-11,006.51	3,044.11	2,940.11	103.99	29.272		
21,400.00	7,696.00	18,222.02	7,696.00	375.68	292.43	-90.17	908.38	-11,006.51	3,143.54	3,040.88	102.65	30.624		
21,500.00	7,696.00	18,222.02	7,696.00	378.38	292.43	-90.17	908.38	-11,006.51	3,243.00	3,141.59	101.41	31.978		
21,600.00	7,696.00	18,222.02	7,696.00	381.08	292.43	-90.17	908.38	-11,006.51	3,342.50	3,242.23	100.27	33.335		
21,700.00	7,696.00	18,222.02	7,696.00	383.77	292.43	-90.17	908.38	-11,006.51	3,442.02	3,342.81	99.22	34.692		
21,800.00	7,696.00	18,222.02	7,696.00	386.47	292.43	-90.17	908.38	-11,006.51	3,541.58	3,443.34	98.24	36.051		
21,900.00	7,696.00	18,222.02	7,696.00	389.17	292.43	-90.17	908.38	-11,006.51	3,641.15	3,543.82	97.33	37.409		
22,000.00	7,696.00	18,222.02	7,696.00	391.86	292.43	-90.17	908.38	-11,006.51	3,740.75	3,644.26	96.49	38.767		
22,100.00	7,696.00	18,222.02	7,696.00	394.56	292.43	-90.17	908.38	-11,006.51	3,840.37	3,744.66	95.71	40.124		
22,200.00	7,696.00	18,222.02	7,696.00	397.25	292.43	-90.17	908.38	-11,006.51	3,940.01	3,845.02	94.99	41.479		
22,300.00	7,696.00	18,222.02	7,696.00	399.95	292.43	-90.17	908.38	-11,006.51	4,039.67	3,945.36	94.31	42.833		
22,400.00	7,696.00	18,222.02	7,696.00	402.65	292.43	-90.17	908.38	-11,006.51	4,139.34	4,045.66	93.68	44.184		
22,500.00	7,696.00	18,222.02	7,696.00	405.35	292.43	-90.17	908.38	-11,006.51	4,239.03	4,145.94	93.10	45.533		
22,600.00	7,696.00	18,222.02	7,696.00	408.04	292.43	-90.17	908.38	-11,006.51	4,338.74	4,246.19	92.55	46.880		
22,700.00	7,696.00	18,222.02	7,696.00	410.74	292.43	-90.17	908.38	-11,006.51	4,438.45	4,346.41	92.04	48.223		
22,800.00	7,696.00	18,222.02	7,696.00	413.44	292.43	-90.17	908.38	-11,006.51	4,538.18	4,446.62	91.56	49.563		
22,900.00	7,696.00	18,222.02	7,696.00	416.13	292.43	-90.17	908.38	-11,006.51	4,637.93	4,546.81	91.12	50.900		
23,000.00	7,696.00	18,222.02	7,696.00	418.83	292.43	-90.17	908.38	-11,006.51	4,737.68	4,646.98	90.70	52.234		
23,100.00	7,696.00	18,222.02	7,696.00	421.53	292.43	-90.17	908.38	-11,006.51	4,837.44	4,747.13	90.31	53.564		
23,200.00	7,696.00	18,222.02	7,696.00	424.23	292.43	-90.17	908.38	-11,006.51	4,937.21	4,847.26	89.95	54.890		
23,300.00	7,696.00	18,222.02	7,696.00	426.92	292.43	-90.17	908.38	-11,006.51	5,036.99	4,947.39	89.61	56.212		
23,400.00	7,696.00	18,222.02	7,696.00	429.62	292.43	-90.17	908.38	-11,006.51	5,136.78	5,047.49	89.29	57.531		
23,500.00	7,696.00	18,222.02	7,696.00	432.32	292.43	-90.17	908.38	-11,006.51	5,236.58	5,147.59	88.99	58.845		
23,600.00	7,696.00	18,222.02	7,696.00	435.02	292.43	-90.17	908.38	-11,006.51	5,336.38	5,247.67	88.71	60.155		
23,700.00	7,696.00	18,222.02	7,696.00	437.72	292.43	-90.17	908.38	-11,006.51	5,436.20	5,347.75	88.45	61.461		
23,800.00	7,696.00	18,222.02	7,696.00	440.41	292.43	-90.17	908.38	-11,006.51	5,536.02	5,447.81	88.21	62.763		
23,900.00	7,696.00	18,222.02	7,696.00	443.11	292.43	-90.17	908.38	-11,006.51	5,635.84	5,547.86	87.98	64.060		
24,000.00	7,696.00	18,222.02	7,696.00	445.81	292.43	-90.17	908.38	-11,006.51	5,735.67	5,647.91	87.76	65.353		
24,100.00	7,696.00	18,222.02	7,696.00	448.51	292.43	-90.17	908.38	-11,006.51	5,835.51	5,747.94	87.57	66.642		
24,200.00	7,696.00	18,222.02	7,696.00	451.21	292.43	-90.17	908.38	-11,006.51	5,935.35	5,847.97	87.38	67.926		
24,300.00	7,696.00	18,222.02	7,696.00	453.91	292.43	-90.17	908.38	-11,006.51	6,035.20	5,947.99	87.21	69.206		
24,400.00	7,696.00	18,222.02	7,696.00	456.60	292.43	-90.17	908.38	-11,006.51	6,135.05	6,048.01	87.05	70.481		
24,500.00	7,696.00	18,222.02	7,696.00	459.30	292.43	-90.17	908.38	-11,006.51	6,234.91	6,148.02	86.89	71.752		
24,600.00	7,696.00	18,222.02	7,696.00	462.00	292.43	-90.17	908.38	-11,006.51	6,334.77	6,248.02	86.76	73.019		
24,700.00	7,696.00	18,222.02	7,696.00	464.70	292.43	-90.17	908.38	-11,006.51	6,434.64	6,348.01	86.63	74.281		
24,800.00	7,696.00	18,222.02	7,696.00	467.40	292.43	-90.17	908.38	-11,006.51	6,534.51	6,448.00	86.51	75.538		
24,900.00	7,696.00	18,222.02	7,696.00	470.10	292.43	-90.17	908.38	-11,006.51	6,634.38	6,547.99	86.40	76.791		
25,000.00	7,696.00	18,222.02	7,696.00	472.80	292.43	-90.17	908.38	-11,006.51	6,734.26	6,647.97	86.29	78.040		
25,100.00	7,696.00	18,222.02	7,696.00	475.50	292.43	-90.17	908.38	-11,006.51	6,834.14	6,747.95	86.20	79.284		
25,200.00	7,696.00	18,222.02	7,696.00	478.19	292.43	-90.17	908.38	-11,006.51	6,934.03	6,847.92	86.11	80.523		
25,300.00	7,696.00	18,222.02	7,696.00	480.89	292.43	-90.17	908.38	-11,006.51	7,033.92	6,947.89	86.03	81.758		
25,400.00	7,696.00	18,222.02	7,696.00	483.59	292.43	-90.17	908.38	-11,006.51	7,133.81	7,047.85	85.96	82.989		
25,500.00	7,696.00	18,222.02	7,696.00	486.29	292.43	-90.17	908.38	-11,006.51	7,233.70	7,147.81	85.90	84.215		
25,600.00	7,696.00	18,222.02	7,696.00	488.99	292.43	-90.17	908.38	-11,006.51	7,333.60	7,247.76	85.84	85.437		
25,700.00	7,696.00	18,222.02	7,696.00	491.69	292.43	-90.17	908.38	-11,006.51	7,433.50	7,347.72	85.78	86.654		
25,800.00	7,696.00	18,222.02	7,696.00	494.39	292.43	-90.17	908.38	-11,006.51	7,533.40	7,447.67	85.74	87.867		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32 2BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
25,900.00	7,696.00	18,222.02	7,696.00	497.09	292.43	-90.17	908.38	-11,006.51	7,633.31	7,547.61	85.70	89.075		
26,000.00	7,696.00	18,222.02	7,696.00	499.79	292.43	-90.17	908.38	-11,006.51	7,733.22	7,647.56	85.66	90.279		
26,100.00	7,696.00	18,222.02	7,696.00	502.49	292.43	-90.17	908.38	-11,006.51	7,833.13	7,747.50	85.63	91.479		
26,200.00	7,696.00	18,222.02	7,696.00	505.19	292.43	-90.17	908.38	-11,006.51	7,933.04	7,847.44	85.60	92.674		
26,300.00	7,696.00	18,222.02	7,696.00	507.89	292.43	-90.17	908.38	-11,006.51	8,032.95	7,947.37	85.58	93.864		
26,400.00	7,696.00	18,222.02	7,696.00	510.59	292.43	-90.17	908.38	-11,006.51	8,132.87	8,047.31	85.56	95.051		
26,500.00	7,696.00	18,222.02	7,696.00	513.29	292.43	-90.17	908.38	-11,006.51	8,232.79	8,147.24	85.55	96.233		
26,600.00	7,696.00	18,222.02	7,696.00	515.99	292.43	-90.17	908.38	-11,006.51	8,332.71	8,247.17	85.54	97.411		
26,700.00	7,696.00	18,222.02	7,696.00	518.69	292.43	-90.17	908.38	-11,006.51	8,432.63	8,347.10	85.54	98.584		
26,800.00	7,696.00	18,222.02	7,696.00	521.39	292.43	-90.17	908.38	-11,006.51	8,532.56	8,447.02	85.54	99.753		
26,900.00	7,696.00	18,222.02	7,696.00	524.09	292.43	-90.17	908.38	-11,006.51	8,632.48	8,546.94	85.54	100.918		
27,000.00	7,696.00	18,222.02	7,696.00	526.79	292.43	-90.17	908.38	-11,006.51	8,732.41	8,646.87	85.55	102.079		
27,100.00	7,696.00	18,222.02	7,696.00	529.49	292.43	-90.17	908.38	-11,006.51	8,832.34	8,746.79	85.56	103.235		
27,200.00	7,696.00	18,222.02	7,696.00	532.19	292.43	-90.17	908.38	-11,006.51	8,932.27	8,846.70	85.57	104.387		
27,300.00	7,696.00	18,222.02	7,696.00	534.89	292.43	-90.17	908.38	-11,006.51	9,032.20	8,946.62	85.58	105.535		
27,400.00	7,696.00	18,222.02	7,696.00	537.59	292.43	-90.17	908.38	-11,006.51	9,132.14	9,046.53	85.60	106.679		
27,500.00	7,696.00	18,222.02	7,696.00	540.29	292.43	-90.17	908.38	-11,006.51	9,232.07	9,146.45	85.63	107.818		
27,600.00	7,696.00	18,222.02	7,696.00	542.99	292.43	-90.17	908.38	-11,006.51	9,332.01	9,246.36	85.65	108.954		
27,700.00	7,696.00	18,222.02	7,696.00	545.69	292.43	-90.17	908.38	-11,006.51	9,431.95	9,346.27	85.68	110.085		
27,800.00	7,696.00	18,222.02	7,696.00	548.39	292.43	-90.17	908.38	-11,006.51	9,531.89	9,446.18	85.71	111.212		
27,900.00	7,696.00	18,222.02	7,696.00	551.09	292.43	-90.17	908.38	-11,006.51	9,631.83	9,546.09	85.74	112.335		
28,000.00	7,696.00	18,222.02	7,696.00	553.79	292.43	-90.17	908.38	-11,006.51	9,731.77	9,645.99	85.78	113.454		
28,100.00	7,696.00	18,222.02	7,696.00	556.49	292.43	-90.17	908.38	-11,006.51	9,831.71	9,745.90	85.81	114.569		
28,200.00	7,696.00	18,222.02	7,696.00	559.19	292.43	-90.17	908.38	-11,006.51	9,931.66	9,845.80	85.85	115.679		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-19.97	19.97					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-19.97	19.97	19.70	0.27	74.260	CC	
200.00	200.00	199.86	199.84	0.49	0.49	-85.13	1.72	-20.22	20.29	19.31	0.99	20.584		
300.00	300.00	299.47	299.31	0.85	0.86	-71.88	6.87	-20.98	22.09	20.38	1.71	12.926		
400.00	399.98	398.77	398.23	1.21	1.23	-44.12	15.40	-22.24	25.83	23.40	2.43	10.609		
500.00	499.84	497.82	496.55	1.57	1.62	-33.61	27.28	-24.00	30.50	27.35	3.16	9.656		
600.00	599.45	596.64	594.16	1.94	2.03	-25.65	42.48	-26.25	35.74	31.86	3.88	9.207		
700.00	698.70	695.22	690.95	2.32	2.47	-19.44	60.95	-28.98	41.32	36.72	4.60	8.978		
800.00	797.47	793.57	786.81	2.72	2.94	-14.41	82.65	-32.19	47.17	41.84	5.32	8.863		
900.00	896.03	893.07	883.32	3.14	3.44	-10.14	106.63	-35.73	54.04	47.98	6.06	8.912		
1,000.00	994.59	1,007.24	980.00	3.57	4.03	-6.83	130.68	-39.29	61.18	54.31	6.87	8.907		
1,100.00	1,093.16	1,107.55	1,076.68	4.00	4.55	-4.21	154.73	-42.84	68.48	60.86	7.62	8.982		
1,200.00	1,191.72	1,207.86	1,173.35	4.44	5.07	-2.11	178.78	-46.40	75.89	67.51	8.38	9.053		
1,300.00	1,290.28	1,308.17	1,270.03	4.88	5.60	-0.38	202.83	-49.95	83.39	74.24	9.15	9.117		
1,400.00	1,388.84	1,408.48	1,366.71	5.32	6.13	1.07	226.88	-53.51	90.95	81.04	9.91	9.176		
1,500.00	1,487.40	1,491.21	1,463.39	5.76	6.57	2.29	250.93	-57.07	98.56	87.95	10.61	9.288		
1,600.00	1,585.96	1,609.10	1,560.07	6.20	7.19	3.33	274.98	-60.62	106.21	94.75	11.45	9.275		
1,700.00	1,684.52	1,709.41	1,656.75	6.65	7.72	4.24	299.03	-64.18	113.88	101.66	12.22	9.316		
1,800.00	1,783.09	1,809.72	1,753.43	7.09	8.26	5.03	323.08	-67.73	121.58	108.59	13.00	9.354		
1,900.00	1,881.65	1,889.97	1,850.11	7.54	8.68	5.73	347.13	-71.29	129.31	115.61	13.69	9.442		
2,000.00	1,980.21	1,989.66	1,946.79	7.99	9.22	6.35	371.18	-74.85	137.05	122.58	14.47	9.471		
2,100.00	2,078.77	2,089.35	2,043.47	8.43	9.75	6.90	395.23	-78.40	144.80	129.55	15.25	9.498		
2,200.00	2,177.33	2,189.04	2,140.15	8.88	10.28	7.39	419.28	-81.96	152.56	136.54	16.02	9.522		
2,300.00	2,275.89	2,288.73	2,236.83	9.33	10.81	7.84	443.33	-85.51	160.34	143.54	16.80	9.544		
2,400.00	2,374.45	2,388.42	2,333.51	9.78	11.34	8.25	467.38	-89.07	168.12	150.54	17.58	9.564		
2,500.00	2,473.02	2,488.11	2,430.19	10.23	11.87	8.62	491.43	-92.63	175.92	157.56	18.36	9.582		
2,600.00	2,571.58	2,587.80	2,526.87	10.67	12.41	8.96	515.48	-96.18	183.71	164.58	19.14	9.599		
2,700.00	2,670.14	2,687.49	2,623.55	11.12	12.94	9.27	539.53	-99.74	191.52	171.60	19.92	9.615		
2,800.00	2,768.70	2,787.18	2,720.23	11.57	13.47	9.55	563.58	-103.29	199.33	178.63	20.70	9.629		
2,900.00	2,867.26	2,886.86	2,816.91	12.02	14.00	9.82	587.63	-106.85	207.14	185.66	21.48	9.643		
3,000.00	2,965.82	2,986.55	2,913.59	12.47	14.54	10.07	611.68	-110.41	214.96	192.70	22.26	9.655		
3,100.00	3,064.38	3,086.24	3,010.27	12.92	15.07	10.29	635.73	-113.96	222.78	199.74	23.05	9.667		
3,200.00	3,162.95	3,185.93	3,106.95	13.37	15.60	10.51	659.78	-117.52	230.61	206.78	23.83	9.678		
3,300.00	3,261.51	3,285.62	3,203.63	13.82	16.14	10.71	683.83	-121.07	238.44	213.82	24.61	9.688		
3,400.00	3,360.07	3,385.31	3,300.31	14.27	16.67	10.89	707.88	-124.63	246.27	220.87	25.40	9.697		
3,500.00	3,458.63	3,485.00	3,396.99	14.72	17.20	11.07	731.93	-128.19	254.10	227.92	26.18	9.706		
3,600.00	3,557.19	3,584.69	3,493.67	15.17	17.74	11.23	755.98	-131.74	261.94	234.97	26.96	9.715		
3,700.00	3,655.75	3,684.38	3,590.35	15.62	18.27	11.39	780.03	-135.30	269.77	242.03	27.75	9.723		
3,800.00	3,754.32	3,784.07	3,687.03	16.07	18.80	11.53	804.08	-138.85	277.61	249.08	28.53	9.730		
3,900.00	3,852.88	3,883.76	3,783.71	16.52	19.34	11.67	828.13	-142.41	285.45	256.14	29.32	9.737		
4,000.00	3,951.44	3,983.45	3,880.39	16.97	19.87	11.80	852.18	-145.97	293.30	263.20	30.10	9.744		
4,100.00	4,050.00	4,083.14	3,977.07	17.42	20.41	11.93	876.23	-149.52	301.14	270.26	30.88	9.751		
4,200.00	4,148.56	4,182.83	4,073.75	17.87	20.94	12.04	900.28	-153.08	308.99	277.32	31.67	9.757		
4,300.00	4,247.12	4,282.52	4,170.43	18.32	21.47	12.16	924.33	-156.63	316.83	284.38	32.45	9.762		
4,400.00	4,345.68	4,382.21	4,267.11	18.77	22.01	12.26	948.38	-160.19	324.68	291.44	33.24	9.768		
4,500.00	4,444.25	4,481.90	4,363.79	19.22	22.54	12.36	972.43	-163.75	332.53	298.51	34.02	9.773		
4,600.00	4,542.81	4,581.59	4,460.47	19.67	23.07	12.46	996.48	-167.30	340.38	305.57	34.81	9.778		
4,700.00	4,641.37	4,681.28	4,557.15	20.12	23.61	12.55	1,020.53	-170.86	348.23	312.64	35.60	9.783		
4,800.00	4,739.93	4,780.97	4,653.83	20.57	24.14	12.64	1,044.58	-174.41	356.08	319.70	36.38	9.788		
4,900.00	4,838.49	4,880.66	4,750.51	21.02	24.68	12.73	1,068.63	-177.97	363.94	326.77	37.17	9.792		
5,000.00	4,937.05	4,980.35	4,847.19	21.47	25.21	12.81	1,092.68	-181.53	371.79	333.84	37.95	9.796		
5,100.00	5,035.61	5,080.04	4,943.87	21.92	25.74	12.88	1,116.73	-185.08	379.64	340.90	38.74	9.800		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	5,179.73	5,040.55	22.38	26.28	12.96	1,140.78	-188.64	387.50	347.97	39.52	9.804		
5,300.00	5,232.74	5,279.42	5,137.23	22.83	26.81	13.03	1,164.83	-192.19	395.35	355.04	40.31	9.808		
5,400.00	5,331.30	5,379.11	5,233.91	23.28	27.35	13.10	1,188.88	-195.75	403.21	362.11	41.10	9.811		
5,500.00	5,429.86	5,478.80	5,330.59	23.73	27.88	13.17	1,212.93	-199.31	411.07	369.18	41.88	9.815		
5,600.00	5,528.42	5,578.49	5,427.27	24.18	28.41	13.23	1,236.98	-202.86	418.92	376.25	42.67	9.818		
5,700.00	5,626.98	5,676.18	5,523.95	24.63	28.95	13.29	1,261.04	-206.42	426.78	383.32	43.46	9.821		
5,800.00	5,725.54	5,777.87	5,620.63	25.08	29.48	13.35	1,285.09	-209.97	434.64	390.40	44.24	9.824		
5,900.00	5,824.11	5,877.56	5,717.31	25.53	30.02	13.41	1,309.14	-213.53	442.50	397.47	45.03	9.827		
6,000.00	5,922.67	5,977.25	5,813.99	25.98	30.55	13.46	1,333.19	-217.09	450.35	404.54	45.81	9.830		
6,100.00	6,021.23	6,076.94	5,910.67	26.43	31.09	13.51	1,357.24	-220.64	458.21	411.61	46.60	9.833		
6,200.00	6,119.79	6,176.63	6,007.35	26.88	31.62	13.57	1,381.29	-224.20	466.07	418.68	47.39	9.835		
6,300.00	6,218.35	6,276.32	6,104.03	27.33	32.15	13.62	1,405.34	-227.75	473.93	425.76	48.17	9.838		
6,400.00	6,316.91	6,376.01	6,200.71	27.78	32.69	13.66	1,429.39	-231.31	481.79	432.83	48.96	9.840		
6,500.00	6,415.48	6,475.70	6,297.39	28.23	33.22	13.71	1,453.44	-234.86	489.65	439.91	49.75	9.843		
6,600.00	6,514.04	6,575.39	6,394.07	28.69	33.76	13.75	1,477.49	-238.42	497.51	446.98	50.53	9.845		
6,700.00	6,612.60	6,675.08	6,490.75	29.14	34.29	13.80	1,501.54	-241.98	505.38	454.05	51.32	9.847		
6,800.00	6,711.16	6,774.77	6,587.43	29.59	34.83	13.84	1,525.59	-245.53	513.24	461.13	52.11	9.849		
6,900.00	6,809.72	6,874.46	6,684.11	30.04	35.36	13.88	1,549.64	-249.09	521.10	468.20	52.90	9.851		
7,000.00	6,908.28	6,974.15	6,780.79	30.49	35.89	13.92	1,573.69	-252.64	528.96	475.28	53.68	9.853		
7,100.00	7,006.84	7,073.84	6,877.47	30.94	36.43	13.96	1,597.74	-256.20	536.82	482.35	54.47	9.855		
7,200.00	7,105.41	7,173.53	6,974.15	31.39	36.96	14.00	1,621.79	-259.76	544.69	489.43	55.26	9.857		
7,300.00	7,203.81	7,273.14	7,070.76	31.85	37.50	37.89	1,645.82	-263.31	552.56	496.48	56.07	9.854		
7,400.00	7,300.02	7,371.34	7,165.99	32.33	38.02	61.98	1,669.51	-266.84	560.72	503.60	57.11	9.818		
7,500.00	7,391.09	7,474.47	7,265.01	32.83	38.59	72.90	1,694.20	-280.76	569.61	511.19	58.42	9.750		
7,600.00	7,474.26	7,562.95	7,364.74	33.35	39.20	79.09	1,719.16	-314.85	578.82	518.93	59.89	9.665		
7,700.00	7,546.99	7,697.24	7,461.06	33.90	39.84	83.19	1,743.40	-371.02	587.83	526.41	61.42	9.571		
7,800.00	7,607.07	7,817.54	7,548.62	34.51	40.52	86.08	1,765.58	-450.13	596.04	533.11	62.93	9.471		
7,900.00	7,652.68	7,943.51	7,621.02	35.20	41.25	88.11	1,784.11	-551.23	602.80	538.39	64.41	9.358		
8,000.00	7,682.43	8,074.17	7,671.61	36.00	42.07	89.39	1,797.31	-670.66	607.50	541.56	65.94	9.212		
8,100.00	7,695.43	8,207.82	7,694.86	36.92	42.99	89.97	1,803.78	-801.80	609.67	542.02	67.65	9.012		
8,200.00	7,696.00	8,317.23	7,696.00	37.98	43.85	90.00	1,804.63	-911.19	609.79	539.69	70.10	8.698		
8,300.00	7,696.00	8,417.23	7,696.00	39.21	44.77	90.00	1,805.16	-1,011.18	609.79	536.77	73.03	8.350		
8,400.00	7,696.00	8,517.23	7,696.00	40.59	45.83	90.00	1,805.68	-1,111.18	609.79	533.58	76.22	8.001		
8,500.00	7,696.00	8,617.23	7,696.00	42.11	47.03	90.00	1,806.21	-1,211.18	609.80	530.15	79.65	7.656		
8,600.00	7,696.00	8,717.23	7,696.00	43.76	48.36	90.00	1,806.73	-1,311.18	609.80	526.51	83.28	7.322		
8,700.00	7,696.00	8,817.23	7,696.00	45.51	49.83	90.00	1,807.26	-1,411.18	609.80	522.70	87.10	7.001		
8,800.00	7,696.00	8,917.23	7,696.00	47.37	51.41	90.00	1,807.78	-1,511.18	609.80	518.72	91.08	6.695		
8,900.00	7,696.00	9,017.23	7,696.00	49.31	53.09	90.00	1,808.31	-1,611.18	609.80	514.60	95.20	6.406		
9,000.00	7,696.00	9,117.23	7,696.00	51.33	54.88	90.00	1,808.83	-1,711.17	609.81	510.37	99.44	6.132		
9,100.00	7,696.00	9,217.23	7,696.00	53.41	56.75	90.00	1,809.36	-1,811.17	609.81	506.02	103.79	5.876		
9,200.00	7,696.00	9,317.23	7,696.00	55.54	58.69	90.00	1,809.88	-1,911.17	609.81	501.58	108.23	5.635		
9,300.00	7,696.00	9,417.23	7,696.00	57.73	60.70	90.00	1,810.41	-2,011.17	609.81	497.06	112.75	5.408		
9,400.00	7,696.00	9,517.23	7,696.00	59.96	62.78	90.00	1,810.93	-2,111.17	609.81	492.47	117.35	5.197		
9,500.00	7,696.00	9,617.23	7,696.00	62.23	64.90	90.00	1,811.46	-2,211.17	609.82	487.81	122.01	4.998		
9,600.00	7,696.00	9,717.23	7,696.00	64.54	67.07	90.00	1,811.98	-2,311.17	609.82	483.09	126.73	4.812		
9,700.00	7,696.00	9,817.23	7,696.00	66.87	69.28	90.00	1,812.51	-2,411.17	609.82	478.32	131.50	4.637		
9,800.00	7,696.00	9,917.23	7,696.00	69.23	71.53	90.00	1,813.03	-2,511.16	609.82	473.50	136.32	4.473		
9,900.00	7,696.00	10,017.23	7,696.00	71.62	73.82	90.00	1,813.56	-2,611.16	609.82	468.64	141.18	4.319		
10,000.00	7,696.00	10,117.23	7,696.00	74.03	76.13	90.00	1,814.08	-2,711.16	609.83	463.75	146.08	4.175		
10,100.00	7,696.00	10,217.23	7,696.00	76.46	78.47	90.00	1,814.61	-2,811.16	609.83	458.82	151.01	4.038		
10,200.00	7,696.00	10,317.23	7,696.00	78.91	80.84	90.00	1,815.13	-2,911.16	609.83	453.86	155.97	3.910		
10,300.00	7,696.00	10,417.23	7,696.00	81.37	83.22	90.00	1,815.66	-3,011.16	609.83	448.87	160.96	3.789		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,696.00	10,517.23	7,696.00	83.85	85.63	90.00	1,816.18	-3,111.16	609.83	443.86	165.97	3.674		
10,500.00	7,696.00	10,617.23	7,696.00	86.34	88.06	90.00	1,816.71	-3,211.15	609.84	438.82	171.01	3.566		
10,600.00	7,696.00	10,717.23	7,696.00	88.84	90.50	90.00	1,817.23	-3,311.15	609.84	433.77	176.07	3.464		
10,700.00	7,696.00	10,817.23	7,696.00	91.36	92.95	90.00	1,817.76	-3,411.15	609.84	428.69	181.15	3.367		
10,800.00	7,696.00	10,917.23	7,696.00	93.88	95.42	90.00	1,818.28	-3,511.15	609.84	423.60	186.24	3.274		
10,900.00	7,696.00	11,017.23	7,696.00	96.42	97.91	90.00	1,818.80	-3,611.15	609.84	418.49	191.35	3.187		
11,000.00	7,696.00	11,117.23	7,696.00	98.96	100.40	90.00	1,819.33	-3,711.15	609.85	413.36	196.48	3.104		
11,100.00	7,696.00	11,217.23	7,696.00	101.51	102.91	90.00	1,819.85	-3,811.15	609.85	408.23	201.62	3.025		
11,200.00	7,696.00	11,317.23	7,696.00	104.07	105.42	90.00	1,820.38	-3,911.14	609.85	403.07	206.77	2.949		
11,300.00	7,696.00	11,417.23	7,696.00	106.64	107.95	90.00	1,820.90	-4,011.14	609.85	397.91	211.94	2.877		
11,400.00	7,696.00	11,517.23	7,696.00	109.21	110.48	90.00	1,821.43	-4,111.14	609.85	392.74	217.12	2.809		
11,500.00	7,696.00	11,617.23	7,696.00	111.79	113.02	90.00	1,821.95	-4,211.14	609.86	387.55	222.30	2.743		
11,600.00	7,696.00	11,717.23	7,696.00	114.37	115.57	90.00	1,822.48	-4,311.14	609.86	382.36	227.50	2.681		
11,700.00	7,696.00	11,817.23	7,696.00	116.96	118.12	90.00	1,823.00	-4,411.14	609.86	377.16	232.70	2.621		
11,800.00	7,696.00	11,917.23	7,696.00	119.56	120.69	90.00	1,823.53	-4,511.14	609.86	371.94	237.92	2.563		
11,900.00	7,696.00	12,017.23	7,696.00	122.16	123.25	90.00	1,824.05	-4,611.13	609.86	366.72	243.14	2.508		
12,000.00	7,696.00	12,117.23	7,696.00	124.76	125.83	90.00	1,824.58	-4,711.13	609.86	361.50	248.37	2.455		
12,100.00	7,696.00	12,217.23	7,696.00	127.37	128.40	90.00	1,825.10	-4,811.13	609.87	356.26	253.60	2.405		
12,200.00	7,696.00	12,317.23	7,696.00	129.98	130.99	90.00	1,825.63	-4,911.13	609.87	351.02	258.84	2.356		
12,300.00	7,696.00	12,417.23	7,696.00	132.59	133.58	90.00	1,826.15	-5,011.13	609.87	345.78	264.09	2.309		
12,400.00	7,696.00	12,517.23	7,696.00	135.21	136.17	90.00	1,826.68	-5,111.13	609.87	340.53	269.35	2.264		
12,500.00	7,696.00	12,617.23	7,696.00	137.83	138.76	90.00	1,827.20	-5,211.13	609.87	335.27	274.60	2.221		
12,600.00	7,696.00	12,717.23	7,696.00	140.45	141.36	90.00	1,827.73	-5,311.13	609.88	330.01	279.87	2.179		
12,700.00	7,696.00	12,817.23	7,696.00	143.08	143.97	90.00	1,828.25	-5,411.12	609.88	324.74	285.14	2.139		
12,800.00	7,696.00	12,917.23	7,696.00	145.71	146.58	90.00	1,828.78	-5,511.12	609.88	319.47	290.41	2.100		
12,900.00	7,696.00	13,017.23	7,696.00	148.34	149.19	90.00	1,829.30	-5,611.12	609.88	314.19	295.69	2.063		
13,000.00	7,696.00	13,117.23	7,696.00	150.97	151.80	90.00	1,829.83	-5,711.12	609.88	308.91	300.97	2.026		
13,100.00	7,696.00	13,217.23	7,696.00	153.61	154.42	90.00	1,830.35	-5,811.12	609.89	303.63	306.26	1.991		
13,200.00	7,696.00	13,317.23	7,696.00	156.24	157.04	90.00	1,830.88	-5,911.12	609.89	298.34	311.54	1.958		
13,300.00	7,696.00	13,417.23	7,696.00	158.88	159.66	90.00	1,831.40	-6,011.12	609.89	293.05	316.84	1.925		
13,400.00	7,696.00	13,517.23	7,696.00	161.53	162.28	90.00	1,831.93	-6,111.11	609.89	287.76	322.13	1.893		
13,500.00	7,696.00	13,617.23	7,696.00	164.17	164.91	90.00	1,832.45	-6,211.11	609.89	282.46	327.43	1.863		
13,600.00	7,696.00	13,717.23	7,696.00	166.81	167.54	90.00	1,832.98	-6,311.11	609.90	277.16	332.73	1.833		
13,700.00	7,696.00	13,817.23	7,696.00	169.46	170.17	90.00	1,833.50	-6,411.11	609.90	271.86	338.04	1.804		
13,800.00	7,696.00	13,917.23	7,696.00	172.11	172.80	90.00	1,834.03	-6,511.11	609.90	266.55	343.35	1.776		
13,900.00	7,696.00	14,017.23	7,696.00	174.76	175.44	90.00	1,834.55	-6,611.11	609.90	261.25	348.66	1.749		
14,000.00	7,696.00	14,117.23	7,696.00	177.41	178.07	90.00	1,835.07	-6,711.11	609.90	255.93	353.97	1.723		
14,100.00	7,696.00	14,217.23	7,696.00	180.06	180.71	90.00	1,835.60	-6,811.10	609.91	250.62	359.28	1.698		
14,200.00	7,696.00	14,317.23	7,696.00	182.72	183.35	90.00	1,836.12	-6,911.10	609.91	245.31	364.60	1.673		
14,300.00	7,696.00	14,417.23	7,696.00	185.37	185.99	90.00	1,836.65	-7,011.10	609.91	239.99	369.92	1.649		
14,400.00	7,696.00	14,517.23	7,696.00	188.03	188.64	90.00	1,837.17	-7,111.10	609.91	234.67	375.24	1.625		
14,500.00	7,696.00	14,617.23	7,696.00	190.69	191.28	90.00	1,837.70	-7,211.10	609.91	229.35	380.57	1.603		
14,600.00	7,696.00	14,717.23	7,696.00	193.34	193.93	90.00	1,838.22	-7,311.10	609.92	224.02	385.89	1.581		
14,700.00	7,696.00	14,817.23	7,696.00	196.00	196.58	90.00	1,838.75	-7,411.10	609.92	218.70	391.22	1.559		
14,800.00	7,696.00	14,917.23	7,696.00	198.66	199.23	90.00	1,839.27	-7,511.09	609.92	213.37	396.55	1.538		
14,900.00	7,696.00	15,017.23	7,696.00	201.33	201.88	90.00	1,839.80	-7,611.09	609.92	208.04	401.88	1.518		
15,000.00	7,696.00	15,117.23	7,696.00	203.99	204.53	90.00	1,840.32	-7,711.09	609.92	202.71	407.21	1.498 Level 3		
15,100.00	7,696.00	15,217.23	7,696.00	206.65	207.18	90.00	1,840.85	-7,811.09	609.93	197.38	412.55	1.478 Level 3		
15,200.00	7,696.00	15,317.23	7,696.00	209.32	209.83	90.00	1,841.37	-7,911.09	609.93	192.05	417.88	1.460 Level 3		
15,300.00	7,696.00	15,417.23	7,696.00	211.98	212.49	90.00	1,841.90	-8,011.09	609.93	186.71	423.22	1.441 Level 3		
15,400.00	7,696.00	15,517.23	7,696.00	214.65	215.15	90.00	1,842.42	-8,111.09	609.93	181.37	428.56	1.423 Level 3		
15,500.00	7,696.00	15,617.23	7,696.00	217.31	217.80	90.00	1,842.95	-8,211.09	609.93	176.04	433.90	1.406 Level 3		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,696.00	15,717.23	7,696.00	219.98	220.46	90.00	1,843.47	-8,311.08	609.94	170.70	439.24	1.389	Level 3	
15,700.00	7,696.00	15,817.23	7,696.00	222.65	223.12	90.00	1,844.00	-8,411.08	609.94	165.36	444.58	1.372	Level 3	
15,800.00	7,696.00	15,917.23	7,696.00	225.32	225.78	90.00	1,844.52	-8,511.08	609.94	160.02	449.92	1.356	Level 3	
15,900.00	7,696.00	16,017.23	7,696.00	227.99	228.44	90.00	1,845.05	-8,611.08	609.94	154.67	455.27	1.340	Level 3	
16,000.00	7,696.00	16,117.23	7,696.00	230.66	231.10	90.00	1,845.57	-8,711.08	609.94	149.33	460.61	1.324	Level 3	
16,100.00	7,696.00	16,217.23	7,696.00	233.33	233.76	90.00	1,846.10	-8,811.08	609.95	143.99	465.96	1.309	Level 3	
16,200.00	7,696.00	16,317.23	7,696.00	236.00	236.43	90.00	1,846.62	-8,911.08	609.95	138.64	471.31	1.294	Level 3	
16,300.00	7,696.00	16,417.23	7,696.00	238.67	239.09	90.00	1,847.15	-9,011.07	609.95	133.29	476.66	1.280	Level 3	
16,400.00	7,696.00	16,517.23	7,696.00	241.34	241.75	90.00	1,847.67	-9,111.07	609.95	127.95	482.01	1.265	Level 3	
16,500.00	7,696.00	16,617.23	7,696.00	244.02	244.42	90.00	1,848.20	-9,211.07	609.95	122.60	487.36	1.252	Level 3	
16,600.00	7,696.00	16,717.23	7,696.00	246.69	247.09	90.00	1,848.72	-9,311.07	609.96	117.25	492.71	1.238	Level 2	
16,700.00	7,696.00	16,817.23	7,696.00	249.36	249.75	90.00	1,849.25	-9,411.07	609.96	111.90	498.06	1.225	Level 2	
16,800.00	7,696.00	16,917.23	7,696.00	252.04	252.42	90.00	1,849.77	-9,511.07	609.96	106.55	503.41	1.212	Level 2	
16,900.00	7,696.00	17,017.23	7,696.00	254.71	255.09	90.00	1,850.29	-9,611.07	609.96	101.19	508.77	1.199	Level 2	
17,000.00	7,696.00	17,117.23	7,696.00	257.39	257.76	90.00	1,850.82	-9,711.06	609.96	95.84	514.12	1.186	Level 2	
17,100.00	7,696.00	17,217.23	7,696.00	260.07	260.42	90.00	1,851.34	-9,811.06	609.96	90.49	519.48	1.174	Level 2	
17,200.00	7,696.00	17,317.23	7,696.00	262.74	263.09	90.00	1,851.87	-9,911.06	609.97	85.13	524.83	1.162	Level 2	
17,300.00	7,696.00	17,417.23	7,696.00	265.42	265.76	90.00	1,852.39	-10,011.06	609.97	79.78	530.19	1.150	Level 2	
17,400.00	7,696.00	17,517.23	7,696.00	268.10	268.43	90.00	1,852.92	-10,111.06	609.97	74.42	535.55	1.139	Level 2	
17,500.00	7,696.00	17,617.23	7,696.00	270.77	271.11	90.00	1,853.44	-10,211.06	609.97	69.06	540.91	1.128	Level 2	
17,600.00	7,696.00	17,717.23	7,696.00	273.45	273.78	90.00	1,853.97	-10,311.06	609.97	63.71	546.27	1.117	Level 2	
17,700.00	7,696.00	17,817.23	7,696.00	276.13	276.45	90.00	1,854.49	-10,411.06	609.98	58.35	551.63	1.106	Level 2	
17,800.00	7,696.00	17,917.23	7,696.00	278.81	279.12	90.00	1,855.02	-10,511.05	609.98	52.99	556.99	1.095	Level 2	
17,900.00	7,696.00	18,017.23	7,696.00	281.49	281.79	90.00	1,855.54	-10,611.05	609.98	47.63	562.35	1.085	Level 2	
18,000.00	7,696.00	18,117.23	7,696.00	284.17	284.47	90.00	1,856.07	-10,711.05	609.98	42.27	567.71	1.074	Level 2	
18,100.00	7,696.00	18,217.23	7,696.00	286.84	287.14	90.00	1,856.59	-10,811.05	609.98	36.91	573.07	1.064	Level 2	
18,200.00	7,696.00	18,317.23	7,696.00	289.52	289.82	90.00	1,857.12	-10,911.05	609.99	31.55	578.44	1.055	Level 2	
18,300.00	7,696.00	18,417.23	7,696.00	292.20	292.49	90.00	1,857.64	-11,011.05	609.99	26.19	583.80	1.045	Level 2	
18,400.00	7,696.00	18,517.23	7,696.00	294.89	295.16	90.00	1,858.17	-11,111.05	609.99	20.83	589.16	1.035	Level 2	
18,500.00	7,696.00	18,600.00	7,696.00	297.57	297.38	90.00	1,859.73	-11,193.80	609.59	14.86	594.72	1.025	Level 2	
18,579.05	7,696.00	18,665.25	7,696.00	299.70	299.14	90.00	1,862.65	-11,258.98	609.48	10.68	598.79	1.018	Level 2	
18,600.00	7,696.00	18,682.52	7,696.00	300.26	299.60	90.00	1,863.68	-11,276.23	609.17	9.35	599.82	1.016	Level 2	
18,700.00	7,696.00	18,770.59	7,696.00	302.95	301.97	90.00	1,870.32	-11,364.04	611.19	6.46	604.73	1.011	Level 2	
18,800.00	7,696.00	18,870.55	7,696.00	305.64	304.66	90.00	1,878.48	-11,463.67	613.86	3.75	610.11	1.006	Level 2	
18,900.00	7,696.00	18,970.51	7,696.00	308.33	307.35	90.00	1,886.64	-11,563.30	616.54	1.05	615.49	1.002	Level 2	
19,000.00	7,696.00	19,070.48	7,696.00	311.03	310.04	90.00	1,894.80	-11,662.93	619.22	-1.66	620.88	0.997	Level 1	
19,100.00	7,696.00	19,170.44	7,696.00	313.72	312.73	90.00	1,902.96	-11,762.56	621.90	-4.36	626.26	0.993	Level 1	
19,200.00	7,696.00	19,270.41	7,696.00	316.41	315.42	90.00	1,911.12	-11,862.19	624.58	-7.07	631.64	0.989	Level 1	
19,300.00	7,696.00	19,370.37	7,696.00	319.10	318.12	90.00	1,919.28	-11,961.82	627.25	-9.77	637.03	0.985	Level 1	
19,400.00	7,696.00	19,470.33	7,696.00	321.80	320.81	90.00	1,927.44	-12,061.45	629.93	-12.48	642.41	0.981	Level 1	
19,500.00	7,696.00	19,570.30	7,696.00	324.49	323.50	90.00	1,935.60	-12,161.08	632.61	-15.19	647.79	0.977	Level 1	
19,600.00	7,696.00	19,670.26	7,696.00	327.18	326.19	90.00	1,943.76	-12,260.71	635.29	-17.89	653.18	0.973	Level 1	
19,700.00	7,696.00	19,770.23	7,696.00	329.88	328.89	90.00	1,951.92	-12,360.34	637.96	-20.60	658.56	0.969	Level 1	
19,800.00	7,696.00	19,870.19	7,696.00	332.57	331.58	90.00	1,960.08	-12,459.97	640.64	-23.31	663.95	0.965	Level 1	
19,900.00	7,696.00	19,970.15	7,696.00	335.26	334.27	90.00	1,968.24	-12,559.60	643.32	-26.02	669.34	0.961	Level 1	
20,000.00	7,696.00	20,070.12	7,696.00	337.96	336.97	90.00	1,976.40	-12,659.23	646.00	-28.72	674.72	0.957	Level 1	
20,100.00	7,696.00	20,170.08	7,696.00	340.65	339.66	90.00	1,984.56	-12,758.86	648.68	-31.43	680.11	0.954	Level 1	
20,200.00	7,696.00	20,270.05	7,696.00	343.34	342.35	90.00	1,992.72	-12,858.49	651.35	-34.14	685.49	0.950	Level 1	
20,300.00	7,696.00	20,370.01	7,696.00	346.04	345.05	90.00	2,000.88	-12,958.12	654.03	-36.85	690.88	0.947	Level 1	
20,400.00	7,696.00	20,469.98	7,696.00	348.73	347.74	90.00	2,009.05	-13,057.75	656.71	-39.56	696.27	0.943	Level 1	
20,500.00	7,696.00	20,569.94	7,696.00	351.43	350.43	90.00	2,017.21	-13,157.38	659.39	-42.27	701.66	0.940	Level 1	
20,600.00	7,696.00	20,669.90	7,696.00	354.12	353.13	90.00	2,025.37	-13,257.02	662.06	-44.98	707.05	0.936	Level 1	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,700.00	7,696.00	20,769.87	7,696.00	356.82	355.82	90.00	2,033.53	-13,356.65	664.74	-47.69	712.43	0.933	Level 1	
20,800.00	7,696.00	20,869.83	7,696.00	359.51	358.52	90.00	2,041.69	-13,456.28	667.42	-50.40	717.82	0.930	Level 1	
20,900.00	7,696.00	20,969.80	7,696.00	362.21	361.21	90.00	2,049.85	-13,555.91	670.10	-53.11	723.21	0.927	Level 1	
21,000.00	7,696.00	21,069.76	7,696.00	364.90	363.91	90.00	2,058.01	-13,655.54	672.78	-55.83	728.60	0.923	Level 1	
21,100.00	7,696.00	21,169.72	7,696.00	367.60	366.60	90.00	2,066.17	-13,755.17	675.45	-58.54	733.99	0.920	Level 1	
21,200.00	7,696.00	21,269.69	7,696.00	370.29	369.30	90.00	2,074.33	-13,854.80	678.13	-61.25	739.38	0.917	Level 1	
21,300.00	7,696.00	21,369.65	7,696.00	372.99	371.99	90.00	2,082.49	-13,954.43	680.81	-63.96	744.77	0.914	Level 1	
21,400.00	7,696.00	21,469.62	7,696.00	375.68	374.69	90.00	2,090.65	-14,054.06	683.49	-66.68	750.16	0.911	Level 1	
21,500.00	7,696.00	21,569.58	7,696.00	378.38	377.39	90.00	2,098.81	-14,153.69	686.16	-69.39	755.55	0.908	Level 1	
21,600.00	7,696.00	21,669.55	7,696.00	381.08	380.08	90.00	2,106.97	-14,253.32	688.84	-72.10	760.94	0.905	Level 1	
21,700.00	7,696.00	21,769.51	7,696.00	383.77	382.78	90.00	2,115.13	-14,352.95	691.52	-74.82	766.34	0.902	Level 1	
21,800.00	7,696.00	21,869.47	7,696.00	386.47	385.47	90.00	2,123.29	-14,452.58	694.20	-77.53	771.73	0.900	Level 1	
21,900.00	7,696.00	21,969.44	7,696.00	389.17	388.17	90.00	2,131.45	-14,552.21	696.88	-80.24	777.12	0.897	Level 1	
22,000.00	7,696.00	22,069.40	7,696.00	391.86	390.87	90.00	2,139.61	-14,651.84	699.55	-82.96	782.51	0.894	Level 1	
22,100.00	7,696.00	22,169.37	7,696.00	394.56	393.56	90.00	2,147.77	-14,751.47	702.23	-85.67	787.90	0.891	Level 1	
22,200.00	7,696.00	22,269.33	7,696.00	397.25	396.26	90.00	2,155.93	-14,851.10	704.91	-88.39	793.30	0.889	Level 1	
22,300.00	7,696.00	22,369.29	7,696.00	399.95	398.96	90.00	2,164.09	-14,950.73	707.59	-91.10	798.69	0.886	Level 1	
22,400.00	7,696.00	22,469.26	7,696.00	402.65	401.65	90.00	2,172.25	-15,050.36	710.26	-93.82	804.08	0.883	Level 1	
22,500.00	7,696.00	22,569.22	7,696.00	405.35	404.35	90.00	2,180.41	-15,149.99	712.94	-96.53	809.47	0.881	Level 1	
22,600.00	7,696.00	22,669.19	7,696.00	408.04	407.05	90.00	2,188.57	-15,249.63	715.62	-99.25	814.87	0.878	Level 1	
22,700.00	7,696.00	22,769.15	7,696.00	410.74	409.74	90.00	2,196.73	-15,349.26	718.30	-101.96	820.26	0.876	Level 1	
22,800.00	7,696.00	22,869.11	7,696.00	413.44	412.44	90.00	2,204.89	-15,448.89	720.98	-104.68	825.65	0.873	Level 1	
22,900.00	7,696.00	22,969.08	7,696.00	416.13	415.14	90.00	2,213.05	-15,548.52	723.65	-107.39	831.05	0.871	Level 1	
23,000.00	7,696.00	23,069.04	7,696.00	418.83	417.84	90.00	2,221.21	-15,648.15	726.33	-110.11	836.44	0.868	Level 1	
23,100.00	7,696.00	23,169.01	7,696.00	421.53	420.53	90.00	2,229.37	-15,747.78	729.01	-112.83	841.84	0.866	Level 1	
23,200.00	7,696.00	23,268.97	7,696.00	424.23	423.23	90.00	2,237.54	-15,847.41	731.69	-115.54	847.23	0.864	Level 1	
23,300.00	7,696.00	23,368.94	7,696.00	426.92	425.93	90.00	2,245.70	-15,947.04	734.36	-118.26	852.62	0.861	Level 1	
23,400.00	7,696.00	23,468.90	7,696.00	429.62	428.63	90.00	2,253.86	-16,046.67	737.04	-120.98	858.02	0.859	Level 1	
23,500.00	7,696.00	23,568.86	7,696.00	432.32	431.32	90.00	2,262.02	-16,146.30	739.72	-123.69	863.41	0.857	Level 1	
23,600.00	7,696.00	23,668.83	7,696.00	435.02	434.02	90.00	2,270.18	-16,245.93	742.40	-126.41	868.81	0.854	Level 1	
23,700.00	7,696.00	23,768.79	7,696.00	437.72	436.72	90.00	2,278.34	-16,345.56	745.08	-129.13	874.20	0.852	Level 1	
23,800.00	7,696.00	23,868.76	7,696.00	440.41	439.42	90.00	2,286.50	-16,445.19	747.75	-131.85	879.60	0.850	Level 1	
23,900.00	7,696.00	23,968.72	7,696.00	443.11	442.12	90.00	2,294.66	-16,544.82	750.43	-134.56	885.00	0.848	Level 1	
24,000.00	7,696.00	24,068.68	7,696.00	445.81	444.82	90.00	2,302.82	-16,644.45	753.11	-137.28	890.39	0.846	Level 1	
24,100.00	7,696.00	24,168.65	7,696.00	448.51	447.51	90.00	2,310.98	-16,744.08	755.79	-140.00	895.79	0.844	Level 1	
24,200.00	7,696.00	24,268.61	7,696.00	451.21	450.21	90.00	2,319.14	-16,843.71	758.46	-142.72	901.18	0.842	Level 1	
24,300.00	7,696.00	24,368.58	7,696.00	453.91	452.91	90.00	2,327.30	-16,943.34	761.14	-145.44	906.58	0.840	Level 1	
24,400.00	7,696.00	24,468.54	7,696.00	456.60	455.61	90.00	2,335.46	-17,042.97	763.82	-148.16	911.98	0.838	Level 1	
24,500.00	7,696.00	24,568.51	7,696.00	459.30	458.31	90.00	2,343.62	-17,142.61	766.50	-150.87	917.37	0.836	Level 1	
24,600.00	7,696.00	24,668.47	7,696.00	462.00	461.01	90.00	2,351.78	-17,242.24	769.18	-153.59	922.77	0.834	Level 1	
24,700.00	7,696.00	24,768.43	7,696.00	464.70	463.71	90.00	2,359.94	-17,341.87	771.85	-156.31	928.17	0.832	Level 1	
24,800.00	7,696.00	24,868.40	7,696.00	467.40	466.41	90.00	2,368.10	-17,441.50	774.53	-159.03	933.56	0.830	Level 1	
24,900.00	7,696.00	24,968.36	7,696.00	470.10	469.10	90.00	2,376.26	-17,541.13	777.21	-161.75	938.96	0.828	Level 1	
25,000.00	7,696.00	25,068.33	7,696.00	472.80	471.80	90.00	2,384.42	-17,640.76	779.89	-164.47	944.36	0.826	Level 1	
25,100.00	7,696.00	25,168.29	7,696.00	475.50	474.50	90.00	2,392.58	-17,740.39	782.56	-167.19	949.75	0.824	Level 1	
25,200.00	7,696.00	25,268.25	7,696.00	478.19	477.20	90.00	2,400.74	-17,840.02	785.24	-169.91	955.15	0.822	Level 1	
25,300.00	7,696.00	25,368.22	7,696.00	480.89	479.90	90.00	2,408.90	-17,939.65	787.92	-172.63	960.55	0.820	Level 1	
25,400.00	7,696.00	25,468.18	7,696.00	483.59	482.60	90.00	2,417.06	-18,039.28	790.60	-175.35	965.95	0.818	Level 1	
25,500.00	7,696.00	25,568.15	7,696.00	486.29	485.30	90.00	2,425.22	-18,138.91	793.28	-178.07	971.34	0.817	Level 1	
25,600.00	7,696.00	25,668.11	7,696.00	488.99	488.00	90.00	2,433.38	-18,238.54	795.95	-180.79	976.74	0.815	Level 1	
25,700.00	7,696.00	25,768.08	7,696.00	491.69	490.70	90.00	2,441.54	-18,338.17	798.63	-183.51	982.14	0.813	Level 1	
25,800.00	7,696.00	25,868.04	7,696.00	494.39	493.40	90.00	2,449.70	-18,437.80	801.31	-186.23	987.54	0.811	Level 1	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 1BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
25,900.00	7,696.00	25,968.00	7,696.00	497.09	496.10	90.00	2,457.86	-18,537.43	803.99	-188.95	992.94	0.810	Level 1	
26,000.00	7,696.00	26,067.97	7,696.00	499.79	498.80	90.00	2,466.03	-18,637.06	806.66	-191.67	998.33	0.808	Level 1	
26,100.00	7,696.00	26,167.93	7,696.00	502.49	501.50	90.00	2,474.19	-18,736.69	809.34	-194.39	1,003.73	0.806	Level 1	
26,200.00	7,696.00	26,267.90	7,696.00	505.19	504.20	90.00	2,482.35	-18,836.32	812.02	-197.11	1,009.13	0.805	Level 1	
26,300.00	7,696.00	26,367.86	7,696.00	507.89	506.90	90.00	2,490.51	-18,935.95	814.70	-199.83	1,014.53	0.803	Level 1	
26,400.00	7,696.00	26,467.82	7,696.00	510.59	509.60	90.00	2,498.67	-19,035.58	817.38	-202.55	1,019.93	0.801	Level 1	
26,500.00	7,696.00	26,567.79	7,696.00	513.29	512.30	90.00	2,506.83	-19,135.22	820.05	-205.27	1,025.33	0.800	Level 1	
26,600.00	7,696.00	26,667.75	7,696.00	515.99	515.00	90.00	2,514.99	-19,234.85	822.73	-208.00	1,030.73	0.798	Level 1	
26,700.00	7,696.00	26,767.72	7,696.00	518.69	517.70	90.00	2,523.15	-19,334.48	825.41	-210.72	1,036.13	0.797	Level 1	
26,800.00	7,696.00	26,867.68	7,696.00	521.39	520.40	90.00	2,531.31	-19,434.11	828.09	-213.44	1,041.52	0.795	Level 1	
26,900.00	7,696.00	26,967.64	7,696.00	524.09	523.10	90.00	2,539.47	-19,533.74	830.76	-216.16	1,046.92	0.794	Level 1	
27,000.00	7,696.00	27,067.61	7,696.00	526.79	525.80	90.00	2,547.63	-19,633.37	833.44	-218.88	1,052.32	0.792	Level 1	
27,100.00	7,696.00	27,167.57	7,696.00	529.49	528.50	90.00	2,555.79	-19,733.00	836.12	-221.60	1,057.72	0.790	Level 1	
27,200.00	7,696.00	27,267.54	7,696.00	532.19	531.20	90.00	2,563.95	-19,832.63	838.80	-224.32	1,063.12	0.789	Level 1	
27,300.00	7,696.00	27,367.50	7,696.00	534.89	533.90	90.00	2,572.11	-19,932.26	841.48	-227.05	1,068.52	0.788	Level 1	
27,400.00	7,696.00	27,467.47	7,696.00	537.59	536.60	90.00	2,580.27	-20,031.89	844.15	-229.77	1,073.92	0.786	Level 1	
27,500.00	7,696.00	27,567.43	7,696.00	540.29	539.30	90.00	2,588.43	-20,131.52	846.83	-232.49	1,079.32	0.785	Level 1	
27,600.00	7,696.00	27,667.39	7,696.00	542.99	542.00	90.00	2,596.59	-20,231.15	849.51	-235.21	1,084.72	0.783	Level 1	
27,700.00	7,696.00	27,767.36	7,696.00	545.69	544.70	90.00	2,604.75	-20,330.78	852.19	-237.93	1,090.12	0.782	Level 1	
27,800.00	7,696.00	27,867.32	7,696.00	548.39	547.40	90.00	2,612.91	-20,430.41	854.86	-240.66	1,095.52	0.780	Level 1	
27,900.00	7,696.00	27,967.29	7,696.00	551.09	550.10	90.00	2,621.07	-20,530.04	857.54	-243.38	1,100.92	0.779	Level 1	
28,000.00	7,696.00	28,067.25	7,696.00	553.79	552.80	90.00	2,629.23	-20,629.67	860.22	-246.10	1,106.32	0.778	Level 1	
28,100.00	7,696.00	28,167.21	7,696.00	556.49	555.51	90.00	2,637.39	-20,729.30	862.90	-248.82	1,111.72	0.776	Level 1	
28,200.00	7,696.00	28,267.18	7,696.00	559.19	558.21	90.00	2,645.55	-20,828.93	865.58	-251.55	1,117.12	0.775	Level 1	
28,300.00	7,696.00	28,367.14	7,696.00	561.89	560.91	90.00	2,653.71	-20,928.56	868.25	-254.27	1,122.52	0.773	Level 1	
28,400.00	7,696.00	28,467.11	7,696.00	564.59	563.61	90.00	2,661.87	-21,028.20	870.93	-256.99	1,127.92	0.772	Level 1	
28,500.00	7,696.00	28,567.07	7,696.00	567.29	566.31	90.00	2,670.03	-21,127.83	873.61	-259.71	1,133.32	0.771	Level 1	
28,600.00	7,696.00	28,667.04	7,696.00	569.99	569.01	90.00	2,678.19	-21,227.46	876.29	-262.44	1,138.72	0.770	Level 1	
28,656.21	7,696.00	28,723.23	7,696.00	571.51	570.53	90.00	2,682.78	-21,283.46	877.79	-263.97	1,141.76	0.769	Level 1, ES, SF	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	0.00	0.00	89.74	0.36	80.14	80.14				
100.00	100.00	102.00	98.00	0.13	0.14	89.74	0.36	80.14	80.14	79.87	0.28	290.345	
200.00	200.00	202.00	198.00	0.49	0.50	89.74	0.36	80.14	80.14	79.15	0.99	80.710	
300.00	300.00	298.00	298.00	0.85	0.84	89.74	0.36	80.14	80.14	78.45	1.70	47.266	
373.13	373.13	371.65	371.64	1.11	1.10	104.69	-0.50	79.89	80.13	77.92	2.21	36.255 CC	
400.00	399.98	398.66	398.64	1.21	1.19	105.81	-1.27	79.67	80.14	77.74	2.40	33.410 ES	
500.00	499.84	498.66	498.50	1.57	1.53	112.93	-6.25	78.24	80.95	77.85	3.10	26.112	
600.00	599.45	597.30	596.76	1.94	1.89	123.96	-14.45	75.89	84.97	81.14	3.82	22.221	
700.00	698.70	693.95	692.71	2.32	2.25	136.80	-25.63	72.68	95.29	90.73	4.57	20.869	
800.00	797.47	788.06	785.70	2.72	2.63	148.87	-39.50	68.71	114.11	108.80	5.31	21.485	
900.00	896.03	880.74	876.80	3.14	3.03	158.61	-55.88	64.01	139.82	133.80	6.02	23.229	
1,000.00	994.59	974.68	969.01	3.57	3.45	165.59	-73.13	59.06	168.85	162.13	6.73	25.106	
1,100.00	1,093.16	1,068.62	1,061.22	4.00	3.88	170.53	-90.39	54.11	199.55	192.13	7.43	26.874	
1,200.00	1,191.72	1,162.56	1,153.43	4.44	4.32	174.16	-107.64	49.16	231.27	223.14	8.13	28.441	
1,300.00	1,290.28	1,256.50	1,245.63	4.88	4.76	176.92	-124.90	44.21	263.62	254.78	8.84	29.828	
1,400.00	1,388.84	1,350.44	1,337.84	5.32	5.20	179.08	-142.15	39.26	296.41	286.86	9.55	31.046	
1,500.00	1,487.40	1,444.38	1,430.05	5.76	5.64	-179.19	-159.41	34.31	329.51	319.25	10.26	32.119	
1,600.00	1,585.96	1,538.32	1,522.26	6.20	6.09	-177.78	-176.66	29.36	362.82	351.85	10.97	33.066	
1,700.00	1,684.52	1,632.26	1,614.47	6.65	6.54	-176.60	-193.91	24.41	396.30	384.61	11.69	33.906	
1,800.00	1,783.09	1,726.20	1,706.68	7.09	6.99	-175.60	-211.17	19.47	429.91	417.50	12.41	34.655	
1,900.00	1,881.65	1,820.14	1,798.89	7.54	7.44	-174.75	-228.42	14.52	463.61	450.49	13.12	35.326	
2,000.00	1,980.21	1,914.08	1,891.09	7.99	7.89	-174.01	-245.68	9.57	497.40	483.55	13.84	35.930	
2,100.00	2,078.77	2,008.01	1,983.30	8.43	8.34	-173.37	-262.93	4.62	531.24	516.68	14.56	36.476	
2,200.00	2,177.33	2,101.95	2,075.51	8.88	8.79	-172.80	-280.19	-0.33	565.15	549.86	15.29	36.972	
2,300.00	2,275.89	2,204.11	2,167.72	9.33	9.28	-172.30	-297.44	-5.28	599.09	583.05	16.04	37.347	
2,400.00	2,374.45	2,289.83	2,259.93	9.78	9.70	-171.85	-314.70	-10.23	633.07	616.34	16.73	37.837	
2,500.00	2,473.02	2,383.77	2,352.14	10.23	10.15	-171.45	-331.95	-15.18	667.08	649.63	17.46	38.216	
2,600.00	2,571.58	2,477.71	2,444.35	10.67	10.61	-171.08	-349.21	-20.13	701.12	682.94	18.18	38.565	
2,700.00	2,670.14	2,571.65	2,536.56	11.12	11.06	-170.75	-366.46	-25.08	735.18	716.28	18.91	38.888	
2,800.00	2,768.70	2,665.59	2,628.76	11.57	11.51	-170.45	-383.72	-30.03	769.26	749.63	19.63	39.187	
2,900.00	2,867.26	2,759.53	2,720.97	12.02	11.97	-170.18	-400.97	-34.98	803.36	783.00	20.36	39.465	
3,000.00	2,965.82	2,853.47	2,813.18	12.47	12.42	-169.92	-418.23	-39.93	837.47	816.39	21.08	39.723	
3,100.00	3,064.38	2,947.41	2,905.39	12.92	12.88	-169.69	-435.48	-44.88	871.60	849.79	21.81	39.965	
3,200.00	3,162.95	3,041.35	2,997.60	13.37	13.33	-169.47	-452.74	-49.83	905.74	883.20	22.54	40.190	
3,300.00	3,261.51	3,135.29	3,089.81	13.82	13.79	-169.27	-469.99	-54.77	939.89	916.62	23.26	40.402	
3,400.00	3,360.07	3,229.23	3,182.02	14.27	14.24	-169.09	-487.25	-59.72	974.04	950.05	23.99	40.600	
3,500.00	3,458.63	3,323.17	3,274.23	14.72	14.70	-168.91	-504.50	-64.67	1,008.21	983.49	24.72	40.787	
3,600.00	3,557.19	3,417.11	3,366.43	15.17	15.16	-168.75	-521.76	-69.62	1,042.38	1,016.94	25.45	40.963	
3,700.00	3,655.75	3,511.05	3,458.64	15.62	15.61	-168.60	-539.01	-74.57	1,076.57	1,050.39	26.18	41.129	
3,800.00	3,754.32	3,604.99	3,550.85	16.07	16.07	-168.46	-556.27	-79.52	1,110.75	1,083.85	26.90	41.285	
3,900.00	3,852.88	3,698.93	3,643.06	16.52	16.52	-168.32	-573.52	-84.47	1,144.95	1,117.31	27.63	41.434	
4,000.00	3,951.44	3,807.13	3,735.27	16.97	17.05	-168.20	-590.78	-89.42	1,179.14	1,150.73	28.42	41.492	
4,100.00	4,050.00	3,886.81	3,827.48	17.42	17.43	-168.08	-608.03	-94.37	1,213.35	1,184.26	29.09	41.708	
4,200.00	4,148.56	3,980.75	3,919.69	17.87	17.89	-167.96	-625.29	-99.32	1,247.55	1,217.73	29.82	41.835	
4,300.00	4,247.12	4,074.69	4,011.90	18.32	18.35	-167.86	-642.54	-104.27	1,281.77	1,251.22	30.55	41.955	
4,400.00	4,345.68	4,168.63	4,104.10	18.77	18.80	-167.76	-659.80	-109.22	1,315.98	1,284.70	31.28	42.070	
4,500.00	4,444.25	4,262.57	4,196.31	19.22	19.26	-167.66	-677.05	-114.17	1,350.20	1,318.19	32.01	42.180	
4,600.00	4,542.81	4,356.51	4,288.52	19.67	19.72	-167.57	-694.31	-119.12	1,384.42	1,351.68	32.74	42.284	
4,700.00	4,641.37	4,450.45	4,380.73	20.12	20.17	-167.48	-711.56	-124.07	1,418.65	1,385.18	33.47	42.384	
4,800.00	4,739.93	4,544.39	4,472.94	20.57	20.63	-167.40	-728.82	-129.02	1,452.87	1,418.67	34.20	42.479	
4,900.00	4,838.49	4,638.33	4,565.15	21.02	21.08	-167.32	-746.07	-133.96	1,487.10	1,452.17	34.93	42.570	
5,000.00	4,937.05	4,732.27	4,657.36	21.47	21.54	-167.25	-763.33	-138.91	1,521.34	1,485.67	35.66	42.658	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,035.61	4,826.21	4,749.57	21.92	22.00	-167.17	-780.58	-143.86	1,555.57	1,519.18	36.39	42.741		
5,200.00	5,134.18	4,920.15	4,841.77	22.38	22.45	-167.10	-797.84	-148.81	1,589.81	1,552.68	37.13	42.822		
5,300.00	5,232.74	5,014.09	4,933.98	22.83	22.91	-167.04	-815.09	-153.76	1,624.05	1,586.19	37.86	42.899		
5,400.00	5,331.30	5,108.03	5,026.19	23.28	23.37	-166.98	-832.35	-158.71	1,658.29	1,619.70	38.59	42.973		
5,500.00	5,429.86	5,201.97	5,118.40	23.73	23.82	-166.91	-849.60	-163.66	1,692.53	1,653.21	39.32	43.044		
5,600.00	5,528.42	5,304.09	5,210.61	24.18	24.32	-166.86	-866.86	-168.61	1,726.77	1,686.69	40.09	43.077		
5,700.00	5,626.98	5,389.85	5,302.82	24.63	24.74	-166.80	-884.11	-173.56	1,761.02	1,720.23	40.79	43.178		
5,800.00	5,725.54	5,483.79	5,395.03	25.08	25.19	-166.75	-901.37	-178.51	1,795.27	1,753.75	41.52	43.241		
5,900.00	5,824.11	5,577.73	5,487.24	25.53	25.65	-166.69	-918.62	-183.46	1,829.51	1,787.26	42.25	43.302		
6,000.00	5,922.67	5,671.67	5,579.44	25.98	26.11	-166.64	-935.88	-188.41	1,863.76	1,820.78	42.98	43.361		
6,100.00	6,021.23	5,765.61	5,671.65	26.43	26.56	-166.60	-953.13	-193.36	1,898.01	1,854.30	43.72	43.417		
6,200.00	6,119.79	5,859.55	5,763.86	26.88	27.02	-166.55	-970.39	-198.31	1,932.27	1,887.82	44.45	43.472		
6,300.00	6,218.35	5,953.49	5,856.07	27.33	27.48	-166.50	-987.64	-203.26	1,966.52	1,921.34	45.18	43.524		
6,400.00	6,316.91	6,047.43	5,948.28	27.78	27.93	-166.46	-1,004.90	-208.20	2,000.77	1,954.86	45.92	43.575		
6,500.00	6,415.48	6,141.36	6,040.49	28.23	28.39	-166.42	-1,022.15	-213.15	2,035.03	1,988.38	46.65	43.624		
6,600.00	6,514.04	6,235.30	6,132.70	28.69	28.85	-166.38	-1,039.41	-218.10	2,069.28	2,021.90	47.38	43.672		
6,700.00	6,612.60	6,329.24	6,224.91	29.14	29.30	-166.34	-1,056.66	-223.05	2,103.54	2,055.42	48.12	43.718		
6,800.00	6,711.16	6,423.18	6,317.11	29.59	29.76	-166.30	-1,073.92	-228.00	2,137.80	2,088.95	48.85	43.762		
6,900.00	6,809.72	6,517.12	6,409.32	30.04	30.22	-166.26	-1,091.17	-232.95	2,172.06	2,122.47	49.58	43.805		
7,000.00	6,908.28	6,611.06	6,501.53	30.49	30.68	-166.23	-1,108.43	-237.90	2,206.32	2,156.00	50.32	43.847		
7,100.00	7,006.84	6,705.00	6,593.74	30.94	31.13	-166.19	-1,125.68	-242.85	2,240.58	2,189.52	51.05	43.887		
7,200.00	7,105.41	6,798.94	6,685.95	31.39	31.59	-166.16	-1,142.94	-247.80	2,274.84	2,223.05	51.79	43.926		
7,300.00	7,203.81	6,892.85	6,778.13	31.85	32.05	-140.31	-1,160.18	-252.75	2,309.07	2,256.54	52.53	43.958		
7,400.00	7,300.02	6,985.46	6,869.03	32.33	32.50	-114.03	-1,177.19	-257.63	2,342.81	2,289.50	53.31	43.948		
7,500.00	7,391.09	7,074.03	6,955.97	32.83	32.93	-102.19	-1,193.46	-262.29	2,375.39	2,321.28	54.11	43.896		
7,600.00	7,474.26	7,155.89	7,036.32	33.35	33.33	-95.45	-1,208.50	-266.61	2,406.48	2,351.54	54.94	43.799		
7,700.00	7,546.99	7,228.53	7,107.62	33.90	33.68	-91.00	-1,221.84	-270.43	2,436.01	2,380.21	55.80	43.655		
7,800.00	7,607.07	7,295.23	7,173.08	34.51	34.00	-87.83	-1,234.09	-274.06	2,464.03	2,407.29	56.75	43.423		
7,900.00	7,652.68	7,425.90	7,299.04	35.20	34.67	-86.78	-1,257.55	-298.26	2,489.73	2,431.37	58.36	42.659		
8,000.00	7,682.43	7,645.24	7,488.00	36.00	35.85	-87.72	-1,292.32	-401.27	2,511.04	2,450.15	60.89	41.240		
8,100.00	7,695.43	8,100.00	7,683.04	36.92	38.87	-89.89	-1,326.81	-726.25	2,522.60	2,456.25	66.35	38.020		
8,200.00	7,696.00	8,238.59	7,696.00	37.98	40.15	-90.05	-1,327.93	-930.50	2,522.84	2,453.31	69.53	36.285		
8,300.00	7,696.00	8,338.59	7,696.00	39.21	41.26	-90.05	-1,327.29	-1,030.50	2,522.72	2,450.19	72.53	34.782		
8,400.00	7,696.00	8,438.59	7,696.00	40.59	42.52	-90.05	-1,326.65	-1,130.49	2,522.61	2,446.81	75.80	33.281		
8,500.00	7,696.00	8,538.59	7,696.00	42.11	43.93	-90.05	-1,326.02	-1,230.49	2,522.49	2,443.19	79.30	31.811		
8,600.00	7,696.00	8,638.59	7,696.00	43.76	45.47	-90.05	-1,325.38	-1,330.49	2,522.37	2,439.37	83.00	30.391		
8,700.00	7,696.00	8,738.59	7,696.00	45.51	47.14	-90.05	-1,324.74	-1,430.49	2,522.26	2,435.38	86.88	29.032		
8,800.00	7,696.00	8,838.59	7,696.00	47.37	48.91	-90.05	-1,324.10	-1,530.48	2,522.14	2,431.23	90.91	27.742		
8,900.00	7,696.00	8,938.59	7,696.00	49.31	50.78	-90.05	-1,323.46	-1,630.48	2,522.03	2,426.94	95.08	26.525		
9,000.00	7,696.00	9,038.59	7,696.00	51.33	52.73	-90.05	-1,322.82	-1,730.48	2,521.91	2,422.54	99.37	25.379		
9,100.00	7,696.00	9,138.59	7,696.00	53.41	54.76	-90.05	-1,322.18	-1,830.48	2,521.79	2,418.03	103.76	24.304		
9,200.00	7,696.00	9,238.59	7,696.00	55.54	56.84	-90.05	-1,321.55	-1,930.48	2,521.68	2,413.44	108.24	23.297		
9,300.00	7,696.00	9,338.59	7,696.00	57.73	58.99	-90.05	-1,320.91	-2,030.47	2,521.56	2,408.76	112.80	22.354		
9,400.00	7,696.00	9,438.59	7,696.00	59.96	61.18	-90.05	-1,320.27	-2,130.47	2,521.45	2,404.01	117.44	21.471		
9,500.00	7,696.00	9,538.59	7,696.00	62.23	63.42	-90.05	-1,319.63	-2,230.47	2,521.33	2,399.20	122.13	20.645		
9,600.00	7,696.00	9,638.59	7,696.00	64.54	65.69	-90.05	-1,318.99	-2,330.47	2,521.22	2,394.34	126.88	19.871		
9,700.00	7,696.00	9,738.59	7,696.00	66.87	68.00	-90.05	-1,318.35	-2,430.47	2,521.10	2,389.42	131.68	19.146		
9,800.00	7,696.00	9,838.59	7,696.00	69.23	70.34	-90.05	-1,317.71	-2,530.46	2,520.98	2,384.46	136.52	18.466		
9,900.00	7,696.00	9,938.59	7,696.00	71.62	72.70	-90.05	-1,317.08	-2,630.46	2,520.87	2,379.46	141.41	17.827		
10,000.00	7,696.00	10,038.59	7,696.00	74.03	75.09	-90.05	-1,316.44	-2,730.46	2,520.75	2,374.43	146.33	17.227		
10,100.00	7,696.00	10,138.59	7,696.00	76.46	77.50	-90.05	-1,315.80	-2,830.46	2,520.64	2,369.36	151.28	16.662		
10,200.00	7,696.00	10,238.59	7,696.00	78.91	79.93	-90.05	-1,315.16	-2,930.46	2,520.52	2,364.26	156.26	16.130		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	10,338.59	7,696.00	81.37	82.38	-90.05	-1,314.52	-3,030.45	2,520.41	2,359.14	161.27	15.629		
10,400.00	7,696.00	10,438.59	7,696.00	83.85	84.84	-90.05	-1,313.88	-3,130.45	2,520.29	2,353.99	166.30	15.155		
10,500.00	7,696.00	10,538.59	7,696.00	86.34	87.32	-90.05	-1,313.24	-3,230.45	2,520.17	2,348.82	171.35	14.708		
10,600.00	7,696.00	10,638.59	7,696.00	88.84	89.81	-90.05	-1,312.61	-3,330.45	2,520.06	2,343.63	176.43	14.284		
10,700.00	7,696.00	10,738.59	7,696.00	91.36	92.31	-90.05	-1,311.97	-3,430.44	2,519.94	2,338.42	181.52	13.883		
10,800.00	7,696.00	10,838.59	7,696.00	93.88	94.83	-90.05	-1,311.33	-3,530.44	2,519.83	2,333.20	186.63	13.502		
10,900.00	7,696.00	10,938.59	7,696.00	96.42	97.35	-90.05	-1,310.69	-3,630.44	2,519.71	2,327.96	191.75	13.140		
11,000.00	7,696.00	11,038.59	7,696.00	98.96	99.89	-90.05	-1,310.05	-3,730.44	2,519.60	2,322.70	196.89	12.797		
11,100.00	7,696.00	11,138.59	7,696.00	101.51	102.43	-90.05	-1,309.41	-3,830.44	2,519.48	2,317.44	202.04	12.470		
11,200.00	7,696.00	11,238.59	7,696.00	104.07	104.98	-90.05	-1,308.77	-3,930.43	2,519.36	2,312.15	207.21	12.159		
11,300.00	7,696.00	11,338.59	7,696.00	106.64	107.54	-90.05	-1,308.13	-4,030.43	2,519.25	2,306.86	212.39	11.862		
11,400.00	7,696.00	11,438.59	7,696.00	109.21	110.11	-90.05	-1,307.50	-4,130.43	2,519.13	2,301.56	217.57	11.578		
11,500.00	7,696.00	11,538.59	7,696.00	111.79	112.68	-90.05	-1,306.86	-4,230.43	2,519.02	2,296.25	222.77	11.308		
11,600.00	7,696.00	11,638.59	7,696.00	114.37	115.26	-90.05	-1,306.22	-4,330.43	2,518.90	2,290.93	227.97	11.049		
11,700.00	7,696.00	11,738.59	7,696.00	116.96	117.84	-90.05	-1,305.58	-4,430.42	2,518.79	2,285.60	233.19	10.802		
11,800.00	7,696.00	11,838.59	7,696.00	119.56	120.43	-90.05	-1,304.94	-4,530.42	2,518.67	2,280.26	238.41	10.564		
11,900.00	7,696.00	11,938.59	7,696.00	122.16	123.02	-90.05	-1,304.30	-4,630.42	2,518.55	2,274.91	243.64	10.337		
12,000.00	7,696.00	12,038.59	7,696.00	124.76	125.62	-90.05	-1,303.66	-4,730.42	2,518.44	2,269.56	248.88	10.119		
12,100.00	7,696.00	12,138.59	7,696.00	127.37	128.22	-90.05	-1,303.03	-4,830.42	2,518.32	2,264.20	254.12	9.910		
12,200.00	7,696.00	12,238.59	7,696.00	129.98	130.82	-90.05	-1,302.39	-4,930.41	2,518.21	2,258.84	259.37	9.709		
12,300.00	7,696.00	12,338.59	7,696.00	132.59	133.43	-90.05	-1,301.75	-5,030.41	2,518.09	2,253.47	264.62	9.516		
12,400.00	7,696.00	12,438.59	7,696.00	135.21	136.05	-90.05	-1,301.11	-5,130.41	2,517.98	2,248.09	269.88	9.330		
12,500.00	7,696.00	12,538.59	7,696.00	137.83	138.66	-90.05	-1,300.47	-5,230.41	2,517.86	2,242.71	275.15	9.151		
12,600.00	7,696.00	12,638.59	7,696.00	140.45	141.28	-90.05	-1,299.83	-5,330.40	2,517.74	2,237.32	280.42	8.978		
12,700.00	7,696.00	12,738.59	7,696.00	143.08	143.90	-90.05	-1,299.19	-5,430.40	2,517.63	2,231.93	285.70	8.812		
12,800.00	7,696.00	12,838.59	7,696.00	145.71	146.53	-90.05	-1,298.56	-5,530.40	2,517.51	2,226.54	290.97	8.652		
12,900.00	7,696.00	12,938.59	7,696.00	148.34	149.16	-90.05	-1,297.92	-5,630.40	2,517.40	2,221.14	296.26	8.497		
13,000.00	7,696.00	13,038.59	7,696.00	150.97	151.79	-90.05	-1,297.28	-5,730.40	2,517.28	2,215.74	301.55	8.348		
13,100.00	7,696.00	13,138.59	7,696.00	153.61	154.42	-90.05	-1,296.64	-5,830.39	2,517.17	2,210.33	306.84	8.204		
13,200.00	7,696.00	13,238.59	7,696.00	156.24	157.05	-90.05	-1,296.00	-5,930.39	2,517.05	2,204.92	312.13	8.064		
13,300.00	7,696.00	13,338.59	7,696.00	158.88	159.69	-90.05	-1,295.36	-6,030.39	2,516.93	2,199.50	317.43	7.929		
13,400.00	7,696.00	13,438.59	7,696.00	161.53	162.33	-90.05	-1,294.72	-6,130.39	2,516.82	2,194.09	322.73	7.799		
13,500.00	7,696.00	13,538.59	7,696.00	164.17	164.97	-90.05	-1,294.09	-6,230.39	2,516.70	2,188.67	328.03	7.672		
13,600.00	7,696.00	13,638.59	7,696.00	166.81	167.61	-90.05	-1,293.45	-6,330.38	2,516.59	2,183.25	333.34	7.550		
13,700.00	7,696.00	13,738.59	7,696.00	169.46	170.26	-90.05	-1,292.81	-6,430.38	2,516.47	2,177.82	338.65	7.431		
13,800.00	7,696.00	13,838.59	7,696.00	172.11	172.90	-90.05	-1,292.17	-6,530.38	2,516.35	2,172.39	343.96	7.316		
13,900.00	7,696.00	13,938.59	7,696.00	174.76	175.55	-90.05	-1,291.53	-6,630.38	2,516.24	2,166.96	349.28	7.204		
14,000.00	7,696.00	14,038.59	7,696.00	177.41	178.20	-90.05	-1,290.89	-6,730.38	2,516.12	2,161.53	354.60	7.096		
14,100.00	7,696.00	14,138.59	7,696.00	180.06	180.85	-90.05	-1,290.25	-6,830.37	2,516.01	2,156.09	359.91	6.991		
14,200.00	7,696.00	14,238.59	7,696.00	182.72	183.50	-90.05	-1,289.62	-6,930.37	2,515.89	2,150.66	365.24	6.888		
14,300.00	7,696.00	14,338.59	7,696.00	185.37	186.15	-90.05	-1,288.98	-7,030.37	2,515.78	2,145.22	370.56	6.789		
14,400.00	7,696.00	14,438.59	7,696.00	188.03	188.81	-90.05	-1,288.34	-7,130.37	2,515.66	2,139.78	375.89	6.693		
14,500.00	7,696.00	14,538.59	7,696.00	190.69	191.46	-90.05	-1,287.70	-7,230.36	2,515.54	2,134.33	381.21	6.599		
14,600.00	7,696.00	14,638.59	7,696.00	193.34	194.12	-90.05	-1,287.06	-7,330.36	2,515.43	2,128.89	386.54	6.508		
14,700.00	7,696.00	14,738.59	7,696.00	196.00	196.78	-90.05	-1,286.42	-7,430.36	2,515.31	2,123.44	391.87	6.419		
14,800.00	7,696.00	14,838.59	7,696.00	198.66	199.44	-90.05	-1,285.78	-7,530.36	2,515.20	2,117.99	397.21	6.332		
14,900.00	7,696.00	14,938.59	7,696.00	201.33	202.10	-90.05	-1,285.14	-7,630.36	2,515.08	2,112.54	402.54	6.248		
15,000.00	7,696.00	15,038.59	7,696.00	203.99	204.76	-90.05	-1,284.51	-7,730.35	2,514.97	2,107.09	407.88	6.166		
15,100.00	7,696.00	15,138.59	7,696.00	206.65	207.42	-90.05	-1,283.87	-7,830.35	2,514.85	2,101.64	413.21	6.086		
15,200.00	7,696.00	15,238.59	7,696.00	209.32	210.08	-90.05	-1,283.23	-7,930.35	2,514.73	2,096.18	418.55	6.008		
15,300.00	7,696.00	15,338.59	7,696.00	211.98	212.75	-90.05	-1,282.59	-8,030.35	2,514.62	2,090.73	423.89	5.932		
15,400.00	7,696.00	15,438.59	7,696.00	214.65	215.41	-90.05	-1,281.95	-8,130.35	2,514.50	2,085.27	429.23	5.858		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,696.00	15,538.59	7,696.00	217.31	218.08	-90.05	-1,281.31	-8,230.34	2,514.39	2,079.81	434.58	5.786		
15,600.00	7,696.00	15,638.59	7,696.00	219.98	220.74	-90.05	-1,280.67	-8,330.34	2,514.27	2,074.35	439.92	5.715		
15,700.00	7,696.00	15,738.59	7,696.00	222.65	223.41	-90.05	-1,280.04	-8,430.34	2,514.16	2,068.89	445.27	5.646		
15,800.00	7,696.00	15,838.59	7,696.00	225.32	226.08	-90.05	-1,279.40	-8,530.34	2,514.04	2,063.43	450.61	5.579		
15,900.00	7,696.00	15,938.59	7,696.00	227.99	228.75	-90.05	-1,278.76	-8,630.34	2,513.92	2,057.96	455.96	5.513		
16,000.00	7,696.00	16,038.59	7,696.00	230.66	231.41	-90.05	-1,278.12	-8,730.33	2,513.81	2,052.50	461.31	5.449		
16,100.00	7,696.00	16,138.59	7,696.00	233.33	234.08	-90.05	-1,277.48	-8,830.33	2,513.69	2,047.03	466.66	5.387		
16,200.00	7,696.00	16,238.59	7,696.00	236.00	236.75	-90.05	-1,276.84	-8,930.33	2,513.58	2,041.57	472.01	5.325		
16,300.00	7,696.00	16,338.59	7,696.00	238.67	239.43	-90.05	-1,276.20	-9,030.33	2,513.46	2,036.10	477.36	5.265		
16,400.00	7,696.00	16,438.59	7,696.00	241.34	242.10	-90.05	-1,275.57	-9,130.32	2,513.35	2,030.63	482.71	5.207		
16,500.00	7,696.00	16,538.59	7,696.00	244.02	244.77	-90.05	-1,274.93	-9,230.32	2,513.23	2,025.16	488.07	5.149		
16,600.00	7,696.00	16,638.59	7,696.00	246.69	247.44	-90.05	-1,274.29	-9,330.32	2,513.11	2,019.69	493.42	5.093		
16,700.00	7,696.00	16,738.59	7,696.00	249.36	250.11	-90.05	-1,273.65	-9,430.32	2,513.00	2,014.22	498.78	5.038		
16,800.00	7,696.00	16,838.59	7,696.00	252.04	252.79	-90.05	-1,273.01	-9,530.32	2,512.88	2,008.75	504.13	4.985		
16,900.00	7,696.00	16,938.59	7,696.00	254.71	255.46	-90.05	-1,272.37	-9,630.31	2,512.77	2,003.28	509.49	4.932		
17,000.00	7,696.00	17,038.59	7,696.00	257.39	258.14	-90.05	-1,271.73	-9,730.31	2,512.65	1,997.80	514.85	4.880		
17,100.00	7,696.00	17,138.59	7,696.00	260.07	260.81	-90.05	-1,271.10	-9,830.31	2,512.54	1,992.33	520.20	4.830		
17,200.00	7,696.00	17,238.59	7,696.00	262.74	263.49	-90.05	-1,270.46	-9,930.31	2,512.42	1,986.86	525.56	4.780		
17,300.00	7,696.00	17,338.59	7,696.00	265.42	266.16	-90.05	-1,269.82	-10,030.31	2,512.30	1,981.38	530.92	4.732		
17,400.00	7,696.00	17,438.59	7,696.00	268.10	268.84	-90.05	-1,269.18	-10,130.30	2,512.19	1,975.90	536.28	4.684		
17,500.00	7,696.00	17,538.59	7,696.00	270.77	271.51	-90.05	-1,268.54	-10,230.30	2,512.07	1,970.43	541.64	4.638		
17,600.00	7,696.00	17,638.59	7,696.00	273.45	274.19	-90.05	-1,267.90	-10,330.30	2,511.96	1,964.95	547.01	4.592		
17,700.00	7,696.00	17,738.59	7,696.00	276.13	276.87	-90.05	-1,267.26	-10,430.30	2,511.84	1,959.47	552.37	4.547		
17,800.00	7,696.00	17,838.59	7,696.00	278.81	279.55	-90.05	-1,266.63	-10,530.30	2,511.73	1,953.99	557.73	4.503		
17,900.00	7,696.00	17,938.59	7,696.00	281.49	282.23	-90.05	-1,265.99	-10,630.29	2,511.61	1,948.51	563.09	4.460		
18,000.00	7,696.00	18,038.59	7,696.00	284.17	284.90	-90.05	-1,265.35	-10,730.29	2,511.49	1,943.04	568.46	4.418		
18,100.00	7,696.00	18,138.59	7,696.00	286.84	287.58	-90.05	-1,264.71	-10,830.29	2,511.38	1,937.55	573.82	4.377		
18,200.00	7,696.00	18,238.59	7,696.00	289.52	290.26	-90.05	-1,264.07	-10,930.29	2,511.26	1,932.07	579.19	4.336		
18,300.00	7,696.00	18,338.59	7,696.00	292.20	292.94	-90.05	-1,263.43	-11,030.28	2,511.15	1,926.59	584.55	4.296		
18,400.00	7,696.00	18,438.59	7,696.00	294.89	295.62	-90.05	-1,262.79	-11,130.28	2,511.03	1,921.11	589.92	4.257		
18,402.31	7,696.00	18,440.89	7,696.00	294.95	295.68	-90.05	-1,262.78	-11,132.59	2,511.03	1,920.99	590.04	4.256		
18,500.00	7,696.00	18,538.57	7,696.00	297.57	298.30	-90.05	-1,262.15	-11,230.26	2,512.70	1,917.41	595.29	4.221		
18,600.00	7,696.00	18,638.46	7,696.00	300.26	300.98	-90.05	-1,261.52	-11,330.15	2,517.25	1,916.59	600.66	4.191		
18,700.00	7,696.00	18,738.34	7,696.00	302.95	303.66	-90.05	-1,260.88	-11,430.03	2,522.10	1,916.08	606.03	4.162		
18,800.00	7,696.00	18,838.23	7,696.00	305.64	306.33	-90.05	-1,260.24	-11,529.91	2,526.96	1,915.56	611.39	4.133		
18,900.00	7,696.00	18,938.11	7,696.00	308.33	309.01	-90.05	-1,259.60	-11,629.80	2,531.81	1,915.05	616.76	4.105		
19,000.00	7,696.00	19,037.99	7,696.00	311.03	311.69	-90.05	-1,258.97	-11,729.68	2,536.67	1,914.53	622.13	4.077		
19,100.00	7,696.00	19,137.87	7,696.00	313.72	314.37	-90.05	-1,258.33	-11,829.56	2,541.52	1,914.01	627.50	4.050		
19,200.00	7,696.00	19,237.75	7,696.00	316.41	317.05	-90.05	-1,257.69	-11,929.44	2,546.37	1,913.50	632.88	4.023		
19,300.00	7,696.00	19,337.64	7,696.00	319.10	319.73	-90.04	-1,257.05	-12,029.32	2,551.23	1,912.98	638.25	3.997		
19,400.00	7,696.00	19,437.52	7,696.00	321.80	322.41	-90.04	-1,256.41	-12,129.20	2,556.08	1,912.46	643.62	3.971		
19,500.00	7,696.00	19,537.40	7,696.00	324.49	325.09	-90.04	-1,255.78	-12,229.08	2,560.93	1,911.94	648.99	3.946		
19,600.00	7,696.00	19,637.28	7,696.00	327.18	327.77	-90.04	-1,255.14	-12,328.96	2,565.79	1,911.42	654.36	3.921		
19,700.00	7,696.00	19,737.17	7,696.00	329.88	330.45	-90.04	-1,254.50	-12,428.84	2,570.64	1,910.91	659.74	3.896		
19,800.00	7,696.00	19,837.05	7,696.00	332.57	333.13	-90.04	-1,253.86	-12,528.72	2,575.50	1,910.39	665.11	3.872		
19,900.00	7,696.00	19,936.93	7,696.00	335.26	335.81	-90.04	-1,253.22	-12,628.60	2,580.35	1,909.87	670.48	3.848		
20,000.00	7,696.00	20,036.81	7,696.00	337.96	338.49	-90.04	-1,252.59	-12,728.48	2,585.20	1,909.35	675.86	3.825		
20,100.00	7,696.00	20,136.69	7,696.00	340.65	341.17	-90.04	-1,251.95	-12,828.36	2,590.06	1,908.83	681.23	3.802		
20,200.00	7,696.00	20,236.58	7,696.00	343.34	343.85	-90.04	-1,251.31	-12,928.24	2,594.91	1,908.30	686.61	3.779		
20,300.00	7,696.00	20,336.46	7,696.00	346.04	346.53	-90.04	-1,250.67	-13,028.12	2,599.76	1,907.78	691.98	3.757		
20,400.00	7,696.00	20,436.34	7,696.00	348.73	349.21	-90.04	-1,250.04	-13,128.00	2,604.62	1,907.26	697.36	3.735		
20,500.00	7,696.00	20,536.22	7,696.00	351.43	351.89	-90.04	-1,249.40	-13,227.88	2,609.47	1,906.74	702.73	3.713		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,600.00	7,696.00	20,636.10	7,696.00	354.12	354.58	-90.04	-1,248.76	-13,327.76	2,614.33	1,906.22	708.11	3.692		
20,700.00	7,696.00	20,735.99	7,696.00	356.82	357.26	-90.04	-1,248.12	-13,427.64	2,619.18	1,905.70	713.48	3.671		
20,800.00	7,696.00	20,835.87	7,696.00	359.51	359.94	-90.04	-1,247.48	-13,527.52	2,624.03	1,905.17	718.86	3.650		
20,900.00	7,696.00	20,935.75	7,696.00	362.21	362.62	-90.04	-1,246.85	-13,627.40	2,628.89	1,904.65	724.24	3.630		
21,000.00	7,696.00	21,035.63	7,696.00	364.90	365.31	-90.04	-1,246.21	-13,727.28	2,633.74	1,904.13	729.61	3.610		
21,100.00	7,696.00	21,135.52	7,696.00	367.60	367.99	-90.04	-1,245.57	-13,827.16	2,638.59	1,903.60	734.99	3.590		
21,200.00	7,696.00	21,235.40	7,696.00	370.29	370.67	-90.04	-1,244.93	-13,927.04	2,643.45	1,903.08	740.37	3.570		
21,300.00	7,696.00	21,335.28	7,696.00	372.99	373.35	-90.04	-1,244.29	-14,026.92	2,648.30	1,902.56	745.74	3.551		
21,400.00	7,696.00	21,435.16	7,696.00	375.68	376.04	-90.04	-1,243.66	-14,126.80	2,653.16	1,902.03	751.12	3.532		
21,500.00	7,696.00	21,535.04	7,696.00	378.38	378.72	-90.04	-1,243.02	-14,226.68	2,658.01	1,901.51	756.50	3.514		
21,600.00	7,696.00	21,634.93	7,696.00	381.08	381.40	-90.04	-1,242.38	-14,326.56	2,662.86	1,900.98	761.88	3.495		
21,700.00	7,696.00	21,734.81	7,696.00	383.77	384.09	-90.04	-1,241.74	-14,426.44	2,667.72	1,900.46	767.26	3.477		
21,800.00	7,696.00	21,834.69	7,696.00	386.47	386.77	-90.04	-1,241.11	-14,526.32	2,672.57	1,899.93	772.64	3.459		
21,900.00	7,696.00	21,934.57	7,696.00	389.17	389.46	-90.04	-1,240.47	-14,626.20	2,677.42	1,899.41	778.01	3.441		
22,000.00	7,696.00	22,034.45	7,696.00	391.86	392.14	-90.04	-1,239.83	-14,726.08	2,682.28	1,898.88	783.39	3.424		
22,100.00	7,696.00	22,134.34	7,696.00	394.56	394.82	-90.04	-1,239.19	-14,825.96	2,687.13	1,898.36	788.77	3.407		
22,200.00	7,696.00	22,234.22	7,696.00	397.25	397.51	-90.04	-1,238.55	-14,925.84	2,691.99	1,897.83	794.15	3.390		
22,300.00	7,696.00	22,334.10	7,696.00	399.95	400.19	-90.04	-1,237.92	-15,025.72	2,696.84	1,897.31	799.53	3.373		
22,400.00	7,696.00	22,433.98	7,696.00	402.65	402.88	-90.04	-1,237.28	-15,125.60	2,701.69	1,896.78	804.91	3.357		
22,500.00	7,696.00	22,533.87	7,696.00	405.35	405.56	-90.04	-1,236.64	-15,225.48	2,706.55	1,896.25	810.29	3.340		
22,600.00	7,696.00	22,633.75	7,696.00	408.04	408.25	-90.04	-1,236.00	-15,325.36	2,711.40	1,895.73	815.67	3.324		
22,700.00	7,696.00	22,733.63	7,696.00	410.74	410.93	-90.04	-1,235.36	-15,425.24	2,716.25	1,895.20	821.05	3.308		
22,800.00	7,696.00	22,833.51	7,696.00	413.44	413.62	-90.04	-1,234.73	-15,525.12	2,721.11	1,894.67	826.43	3.293		
22,900.00	7,696.00	22,933.39	7,696.00	416.13	416.30	-90.04	-1,234.09	-15,625.00	2,725.96	1,894.15	831.82	3.277		
23,000.00	7,696.00	23,033.28	7,696.00	418.83	418.99	-90.04	-1,233.45	-15,724.88	2,730.82	1,893.62	837.20	3.262		
23,100.00	7,696.00	23,133.16	7,696.00	421.53	421.67	-90.04	-1,232.81	-15,824.76	2,735.67	1,893.09	842.58	3.247		
23,200.00	7,696.00	23,233.04	7,696.00	424.23	424.36	-90.04	-1,232.18	-15,924.64	2,740.52	1,892.56	847.96	3.232		
23,300.00	7,696.00	23,332.92	7,696.00	426.92	427.04	-90.04	-1,231.54	-16,024.52	2,745.38	1,892.04	853.34	3.217		
23,400.00	7,696.00	23,432.80	7,696.00	429.62	429.73	-90.04	-1,230.90	-16,124.40	2,750.23	1,891.51	858.72	3.203		
23,500.00	7,696.00	23,532.69	7,696.00	432.32	432.42	-90.04	-1,230.26	-16,224.28	2,755.08	1,890.98	864.10	3.188		
23,600.00	7,696.00	23,632.57	7,696.00	435.02	435.10	-90.04	-1,229.62	-16,324.16	2,759.94	1,890.45	869.49	3.174		
23,700.00	7,696.00	23,732.45	7,696.00	437.72	437.79	-90.04	-1,228.99	-16,424.04	2,764.79	1,889.92	874.87	3.160		
23,800.00	7,696.00	23,832.33	7,696.00	440.41	440.47	-90.04	-1,228.35	-16,523.92	2,769.65	1,889.39	880.25	3.146		
23,900.00	7,696.00	23,932.22	7,696.00	443.11	443.16	-90.04	-1,227.71	-16,623.80	2,774.50	1,888.87	885.63	3.133		
24,000.00	7,696.00	24,032.10	7,696.00	445.81	445.85	-90.04	-1,227.07	-16,723.68	2,779.35	1,888.34	891.02	3.119		
24,100.00	7,696.00	24,131.98	7,696.00	448.51	448.53	-90.04	-1,226.43	-16,823.56	2,784.21	1,887.81	896.40	3.106		
24,200.00	7,696.00	24,231.86	7,696.00	451.21	451.22	-90.04	-1,225.80	-16,923.44	2,789.06	1,887.28	901.78	3.093		
24,300.00	7,696.00	24,331.74	7,696.00	453.91	453.91	-90.04	-1,225.16	-17,023.32	2,793.91	1,886.75	907.17	3.080		
24,400.00	7,696.00	24,431.63	7,696.00	456.60	456.59	-90.04	-1,224.52	-17,123.20	2,798.77	1,886.22	912.55	3.067		
24,500.00	7,696.00	24,531.51	7,696.00	459.30	459.28	-90.04	-1,223.88	-17,223.08	2,803.62	1,885.69	917.93	3.054		
24,600.00	7,696.00	24,631.39	7,696.00	462.00	461.97	-90.04	-1,223.25	-17,322.96	2,808.48	1,885.16	923.32	3.042		
24,700.00	7,696.00	24,731.27	7,696.00	464.70	464.65	-90.04	-1,222.61	-17,422.84	2,813.33	1,884.63	928.70	3.029		
24,800.00	7,696.00	24,831.15	7,696.00	467.40	467.34	-90.04	-1,221.97	-17,522.72	2,818.18	1,884.10	934.08	3.017		
24,900.00	7,696.00	24,931.04	7,696.00	470.10	470.03	-90.04	-1,221.33	-17,622.60	2,823.04	1,883.57	939.47	3.005		
25,000.00	7,696.00	25,030.92	7,696.00	472.80	472.71	-90.04	-1,220.69	-17,722.48	2,827.89	1,883.04	944.85	2.993		
25,100.00	7,696.00	25,130.80	7,696.00	475.50	475.40	-90.04	-1,220.06	-17,822.36	2,832.74	1,882.51	950.24	2.981		
25,200.00	7,696.00	25,230.68	7,696.00	478.19	478.09	-90.04	-1,219.42	-17,922.24	2,837.60	1,881.98	955.62	2.969		
25,300.00	7,696.00	25,330.57	7,696.00	480.89	480.77	-90.04	-1,218.78	-18,022.12	2,842.45	1,881.45	961.00	2.958		
25,400.00	7,696.00	25,430.45	7,696.00	483.59	483.46	-90.04	-1,218.14	-18,122.00	2,847.31	1,880.92	966.39	2.946		
25,500.00	7,696.00	25,530.33	7,696.00	486.29	486.15	-90.04	-1,217.50	-18,221.88	2,852.16	1,880.39	971.77	2.935		
25,600.00	7,696.00	25,630.21	7,696.00	488.99	488.84	-90.04	-1,216.87	-18,321.76	2,857.01	1,879.86	977.16	2.924		
25,700.00	7,696.00	25,730.09	7,696.00	491.69	491.52	-90.04	-1,216.23	-18,421.64	2,861.87	1,879.32	982.54	2.913		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
25,800.00	7,696.00	25,829.98	7,696.00	494.39	494.21	-90.04	-1,215.59	-18,521.52	2,866.72	1,878.79	987.93	2.902		
25,900.00	7,696.00	25,929.86	7,696.00	497.09	496.90	-90.04	-1,214.95	-18,621.40	2,871.57	1,878.26	993.31	2.891		
26,000.00	7,696.00	26,029.74	7,696.00	499.79	499.59	-90.04	-1,214.32	-18,721.28	2,876.43	1,877.73	998.70	2.880		
26,100.00	7,696.00	26,129.62	7,696.00	502.49	502.28	-90.04	-1,213.68	-18,821.16	2,881.28	1,877.20	1,004.08	2.870		
26,200.00	7,696.00	26,229.50	7,696.00	505.19	504.96	-90.04	-1,213.04	-18,921.04	2,886.14	1,876.67	1,009.47	2.859		
26,300.00	7,696.00	26,329.39	7,696.00	507.89	507.65	-90.04	-1,212.40	-19,020.92	2,890.99	1,876.14	1,014.85	2.849		
26,400.00	7,696.00	26,429.27	7,696.00	510.59	510.34	-90.04	-1,211.76	-19,120.80	2,895.84	1,875.60	1,020.24	2.838		
26,500.00	7,696.00	26,529.15	7,696.00	513.29	513.03	-90.04	-1,211.13	-19,220.68	2,900.70	1,875.07	1,025.63	2.828		
26,600.00	7,696.00	26,629.03	7,696.00	515.99	515.72	-90.04	-1,210.49	-19,320.56	2,905.55	1,874.54	1,031.01	2.818		
26,700.00	7,696.00	26,728.92	7,696.00	518.69	518.40	-90.04	-1,209.85	-19,420.44	2,910.40	1,874.01	1,036.40	2.808		
26,800.00	7,696.00	26,828.80	7,696.00	521.39	521.09	-90.04	-1,209.21	-19,520.32	2,915.26	1,873.48	1,041.78	2.798		
26,900.00	7,696.00	26,928.68	7,696.00	524.09	523.78	-90.04	-1,208.57	-19,620.20	2,920.11	1,872.94	1,047.17	2.789		
27,000.00	7,696.00	27,028.56	7,696.00	526.79	526.47	-90.04	-1,207.94	-19,720.08	2,924.97	1,872.41	1,052.55	2.779		
27,100.00	7,696.00	27,128.44	7,696.00	529.49	529.16	-90.04	-1,207.30	-19,819.96	2,929.82	1,871.88	1,057.94	2.769		
27,200.00	7,696.00	27,228.33	7,696.00	532.19	531.85	-90.04	-1,206.66	-19,919.84	2,934.67	1,871.35	1,063.33	2.760		
27,300.00	7,696.00	27,328.21	7,696.00	534.89	534.53	-90.04	-1,206.02	-20,019.72	2,939.53	1,870.81	1,068.71	2.751		
27,400.00	7,696.00	27,428.09	7,696.00	537.59	537.22	-90.04	-1,205.39	-20,119.60	2,944.38	1,870.28	1,074.10	2.741		
27,500.00	7,696.00	27,527.97	7,696.00	540.29	539.91	-90.04	-1,204.75	-20,219.48	2,949.23	1,869.75	1,079.49	2.732		
27,600.00	7,696.00	27,627.85	7,696.00	542.99	542.60	-90.04	-1,204.11	-20,319.36	2,954.09	1,869.22	1,084.87	2.723		
27,700.00	7,696.00	27,727.74	7,696.00	545.69	545.29	-90.04	-1,203.47	-20,419.24	2,958.94	1,868.68	1,090.26	2.714		
27,800.00	7,696.00	27,827.62	7,696.00	548.39	547.98	-90.04	-1,202.83	-20,519.12	2,963.80	1,868.15	1,095.65	2.705		
27,900.00	7,696.00	27,927.50	7,696.00	551.09	550.67	-90.04	-1,202.20	-20,619.00	2,968.65	1,867.62	1,101.03	2.696		
28,000.00	7,696.00	28,027.38	7,696.00	553.79	553.35	-90.04	-1,201.56	-20,718.88	2,973.50	1,867.08	1,106.42	2.687		
28,100.00	7,696.00	28,127.27	7,696.00	556.49	556.04	-90.04	-1,200.92	-20,818.76	2,978.36	1,866.55	1,111.81	2.679		
28,200.00	7,696.00	28,227.15	7,696.00	559.19	558.73	-90.04	-1,200.28	-20,918.64	2,983.21	1,866.02	1,117.19	2.670		
28,300.00	7,696.00	28,327.03	7,696.00	561.89	561.42	-90.04	-1,199.64	-21,018.52	2,988.06	1,865.48	1,122.58	2.662		
28,400.00	7,696.00	28,426.91	7,696.00	564.59	564.11	-90.04	-1,199.01	-21,118.40	2,992.92	1,864.95	1,127.97	2.653		
28,500.00	7,696.00	28,526.79	7,696.00	567.29	566.80	-90.04	-1,198.37	-21,218.28	2,997.77	1,864.42	1,133.36	2.645		
28,600.00	7,696.00	28,626.68	7,696.00	569.99	569.49	-90.04	-1,197.73	-21,318.16	3,002.63	1,863.88	1,138.74	2.637		
28,656.21	7,696.00	28,682.82	7,696.00	571.51	571.00	-90.04	-1,197.37	-21,374.31	3,005.35	1,863.58	1,141.77	2.632 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	3.00	-3.00	0.00	0.00	89.79	0.36	100.11	100.11				
100.00	100.00	97.00	97.00	0.13	0.13	89.79	0.36	100.11	100.11	99.84	0.26	378.017	
200.00	200.00	197.69	197.67	0.49	0.48	90.73	-1.26	99.76	99.77	98.80	0.97	103.169	
300.00	300.00	298.17	298.01	0.85	0.84	93.67	-6.33	98.67	98.87	97.19	1.69	58.672	
365.19	365.19	363.35	362.98	1.09	1.08	110.80	-11.46	97.56	98.50	96.33	2.16	45.507 CC	
400.00	399.98	397.97	397.43	1.21	1.21	113.29	-14.77	96.85	98.65	96.23	2.42	40.762 ES	
500.00	499.84	496.39	495.13	1.57	1.61	122.63	-26.40	94.35	101.59	98.41	3.18	31.984	
600.00	599.45	592.80	590.37	1.94	2.02	133.92	-40.97	91.22	110.50	106.55	3.95	27.969	
700.00	698.70	686.60	682.50	2.32	2.45	145.11	-58.15	87.53	127.67	122.94	4.72	27.046	
800.00	797.47	777.29	770.99	2.72	2.89	154.71	-77.54	83.36	153.86	148.40	5.47	28.145	
900.00	896.03	866.22	857.14	3.14	3.35	162.36	-99.15	78.71	186.67	180.52	6.16	30.315	
1,000.00	994.59	957.55	945.38	3.57	3.85	168.07	-122.13	73.77	222.51	215.66	6.85	32.477	
1,100.00	1,093.16	1,048.87	1,033.63	4.00	4.35	172.22	-145.11	68.83	259.79	252.24	7.55	34.417	
1,200.00	1,191.72	1,140.19	1,121.88	4.44	4.85	175.35	-168.09	63.89	297.98	289.74	8.25	36.138	
1,300.00	1,290.28	1,231.52	1,210.13	4.88	5.36	177.77	-191.08	58.95	336.77	327.83	8.95	37.647	
1,400.00	1,388.84	1,322.84	1,298.37	5.32	5.87	179.70	-214.06	54.01	375.97	366.33	9.65	38.967	
1,500.00	1,487.40	1,414.17	1,386.62	5.76	6.38	-178.74	-237.04	49.07	415.47	405.12	10.35	40.127	
1,600.00	1,585.96	1,505.49	1,474.87	6.20	6.89	-177.44	-260.02	44.13	455.19	444.13	11.06	41.148	
1,700.00	1,684.52	1,603.18	1,563.12	6.65	7.44	-176.35	-283.00	39.19	495.07	483.27	11.80	41.957	
1,800.00	1,783.09	1,688.14	1,651.36	7.09	7.91	-175.42	-305.98	34.25	535.09	522.60	12.48	42.859	
1,900.00	1,881.65	1,779.47	1,739.61	7.54	8.43	-174.62	-328.97	29.31	575.20	562.00	13.20	43.580	
2,000.00	1,980.21	1,870.79	1,827.86	7.99	8.94	-173.93	-351.95	24.37	615.40	601.49	13.91	44.228	
2,100.00	2,078.77	1,962.12	1,916.11	8.43	9.46	-173.32	-374.93	19.43	655.66	641.03	14.63	44.814	
2,200.00	2,177.33	2,053.44	2,004.36	8.88	9.98	-172.78	-397.91	14.49	695.98	680.64	15.35	45.345	
2,300.00	2,275.89	2,144.77	2,092.60	9.33	10.49	-172.30	-420.89	9.55	736.35	720.28	16.07	45.829	
2,400.00	2,374.45	2,236.09	2,180.85	9.78	11.01	-171.86	-443.87	4.61	776.76	759.97	16.79	46.271	
2,500.00	2,473.02	2,327.41	2,269.10	10.23	11.52	-171.48	-466.85	-0.33	817.19	799.69	17.51	46.677	
2,600.00	2,571.58	2,418.74	2,357.35	10.67	12.04	-171.12	-489.84	-5.27	857.66	839.43	18.23	47.050	
2,700.00	2,670.14	2,510.06	2,445.59	11.12	12.56	-170.80	-512.82	-10.21	898.15	879.20	18.95	47.395	
2,800.00	2,768.70	2,601.39	2,533.84	11.57	13.08	-170.51	-535.80	-15.15	938.67	918.99	19.67	47.714	
2,900.00	2,867.26	2,707.29	2,622.09	12.02	13.68	-170.24	-558.78	-20.09	979.20	958.74	20.46	47.868	
3,000.00	2,965.82	2,784.04	2,710.34	12.47	14.11	-169.99	-581.76	-25.03	1,019.75	998.63	21.12	48.285	
3,100.00	3,064.38	2,875.36	2,798.58	12.92	14.63	-169.76	-604.74	-29.98	1,060.31	1,038.47	21.84	48.542	
3,200.00	3,162.95	2,966.69	2,886.83	13.37	15.15	-169.55	-627.73	-34.92	1,100.89	1,078.32	22.57	48.782	
3,300.00	3,261.51	3,058.01	2,975.08	13.82	15.66	-169.36	-650.71	-39.86	1,141.48	1,118.18	23.29	49.007	
3,400.00	3,360.07	3,149.34	3,063.33	14.27	16.18	-169.17	-673.69	-44.80	1,182.08	1,158.06	24.02	49.218	
3,500.00	3,458.63	3,240.66	3,151.57	14.72	16.70	-169.00	-696.67	-49.74	1,222.68	1,197.94	24.74	49.416	
3,600.00	3,557.19	3,331.99	3,239.82	15.17	17.22	-168.84	-719.65	-54.68	1,263.30	1,237.83	25.47	49.603	
3,700.00	3,655.75	3,423.31	3,328.07	15.62	17.74	-168.69	-742.63	-59.62	1,303.93	1,277.73	26.19	49.778	
3,800.00	3,754.32	3,514.63	3,416.32	16.07	18.25	-168.55	-765.62	-64.56	1,344.56	1,317.64	26.92	49.944	
3,900.00	3,852.88	3,605.96	3,504.56	16.52	18.77	-168.42	-788.60	-69.50	1,385.20	1,357.55	27.65	50.102	
4,000.00	3,951.44	3,702.72	3,592.81	16.97	19.32	-168.29	-811.58	-74.44	1,425.84	1,397.44	28.40	50.210	
4,100.00	4,050.00	3,788.61	3,681.06	17.42	19.81	-168.17	-834.56	-79.38	1,466.49	1,437.39	29.10	50.391	
4,200.00	4,148.56	3,879.93	3,769.31	17.87	20.33	-168.06	-857.54	-84.32	1,507.14	1,477.31	29.83	50.525	
4,300.00	4,247.12	3,971.26	3,857.55	18.32	20.85	-167.96	-880.52	-89.26	1,547.80	1,517.24	30.56	50.652	
4,400.00	4,345.68	4,062.58	3,945.80	18.77	21.36	-167.86	-903.50	-94.20	1,588.47	1,557.18	31.29	50.773	
4,500.00	4,444.25	4,153.91	4,034.05	19.22	21.88	-167.76	-926.49	-99.14	1,629.13	1,597.12	32.01	50.888	
4,600.00	4,542.81	4,245.23	4,122.30	19.67	22.40	-167.67	-949.47	-104.08	1,669.80	1,637.06	32.74	50.998	
4,700.00	4,641.37	4,336.56	4,210.54	20.12	22.92	-167.58	-972.45	-109.02	1,710.48	1,677.01	33.47	51.103	
4,800.00	4,739.93	4,427.88	4,298.79	20.57	23.44	-167.50	-995.43	-113.96	1,751.15	1,716.95	34.20	51.203	
4,900.00	4,838.49	4,519.21	4,387.04	21.02	23.96	-167.42	-1,018.41	-118.90	1,791.83	1,756.90	34.93	51.298	
5,000.00	4,937.05	4,610.53	4,475.29	21.47	24.48	-167.35	-1,041.39	-123.84	1,832.52	1,796.86	35.66	51.390	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,035.61	4,701.85	4,563.53	21.92	24.99	-167.27	-1,064.38	-128.78	1,873.20	1,836.81	36.39	51.477		
5,200.00	5,134.18	4,806.82	4,651.78	22.38	25.59	-167.20	-1,087.36	-133.72	1,913.89	1,876.71	37.18	51.483		
5,300.00	5,232.74	4,884.50	4,740.03	22.83	26.03	-167.14	-1,110.34	-138.66	1,954.58	1,916.73	37.85	51.641		
5,400.00	5,331.30	4,975.83	4,828.28	23.28	26.55	-167.07	-1,133.32	-143.60	1,995.27	1,956.69	38.58	51.718		
5,500.00	5,429.86	5,067.15	4,916.52	23.73	27.07	-167.01	-1,156.30	-148.54	2,035.96	1,996.65	39.31	51.792		
5,600.00	5,528.42	5,158.48	5,004.77	24.18	27.59	-166.96	-1,179.28	-153.49	2,076.66	2,036.62	40.04	51.863		
5,700.00	5,626.98	5,249.80	5,093.02	24.63	28.11	-166.90	-1,202.26	-158.43	2,117.36	2,076.58	40.77	51.931		
5,800.00	5,725.54	5,341.13	5,181.27	25.08	28.63	-166.85	-1,225.25	-163.37	2,158.06	2,116.55	41.50	51.996		
5,900.00	5,824.11	5,432.45	5,269.51	25.53	29.14	-166.79	-1,248.23	-168.31	2,198.76	2,156.52	42.24	52.059		
6,000.00	5,922.67	5,523.78	5,357.76	25.98	29.66	-166.74	-1,271.21	-173.25	2,239.46	2,196.49	42.97	52.120		
6,100.00	6,021.23	5,615.10	5,446.01	26.43	30.18	-166.69	-1,294.19	-178.19	2,280.16	2,236.46	43.70	52.178		
6,200.00	6,119.79	5,706.43	5,534.26	26.88	30.70	-166.65	-1,317.17	-183.13	2,320.87	2,276.43	44.43	52.234		
6,300.00	6,218.35	5,802.25	5,622.50	27.33	31.25	-166.60	-1,340.15	-188.07	2,361.57	2,316.39	45.18	52.266		
6,400.00	6,316.91	5,898.07	5,710.75	27.78	31.74	-166.56	-1,363.14	-193.01	2,402.28	2,356.38	45.90	52.340		
6,500.00	6,415.48	5,980.40	5,799.00	28.23	32.26	-166.52	-1,386.12	-197.95	2,442.99	2,396.36	46.63	52.390		
6,600.00	6,514.04	6,071.72	5,887.25	28.69	32.78	-166.48	-1,409.10	-202.89	2,483.70	2,436.33	47.36	52.438		
6,700.00	6,612.60	6,163.05	5,975.49	29.14	33.30	-166.44	-1,432.08	-207.83	2,524.41	2,476.31	48.10	52.485		
6,800.00	6,711.16	6,254.37	6,063.74	29.59	33.81	-166.40	-1,455.06	-212.77	2,565.12	2,516.29	48.83	52.530		
6,900.00	6,809.72	6,345.70	6,151.99	30.04	34.33	-166.36	-1,478.04	-217.71	2,605.83	2,556.27	49.57	52.574		
7,000.00	6,908.28	6,437.02	6,240.24	30.49	34.85	-166.33	-1,501.02	-222.65	2,646.54	2,596.24	50.30	52.616		
7,100.00	7,006.84	6,528.35	6,328.48	30.94	35.37	-166.29	-1,524.01	-227.59	2,687.26	2,636.22	51.03	52.656		
7,200.00	7,105.41	6,619.67	6,416.73	31.39	35.89	-166.26	-1,546.99	-232.53	2,727.97	2,676.20	51.77	52.695		
7,300.00	7,203.81	6,710.97	6,504.95	31.85	36.41	-139.99	-1,569.96	-237.47	2,768.66	2,716.15	52.51	52.725		
7,400.00	7,300.02	6,801.04	6,591.99	32.33	36.92	-112.86	-1,592.63	-242.34	2,808.76	2,755.47	53.30	52.702		
7,500.00	7,391.09	6,887.24	6,675.28	32.83	37.41	-100.18	-1,614.32	-247.01	2,847.37	2,793.25	54.11	52.620		
7,600.00	7,474.26	6,966.94	6,752.30	33.35	37.86	-92.66	-1,634.38	-251.32	2,883.84	2,828.89	54.96	52.474		
7,700.00	7,546.99	7,037.72	6,820.70	33.90	38.27	-87.55	-1,652.19	-255.15	2,917.81	2,861.97	55.84	52.253		
7,800.00	7,607.07	7,102.56	6,878.40	34.51	38.63	-83.78	-1,667.22	-258.38	2,949.05	2,892.25	56.80	51.921		
7,900.00	7,652.68	7,144.27	6,923.66	35.20	38.87	-80.84	-1,679.00	-260.91	2,977.43	2,919.64	57.78	51.527		
8,000.00	7,682.43	7,176.80	6,955.09	36.00	39.06	-78.44	-1,687.19	-262.67	3,002.80	2,943.94	58.86	51.014		
8,100.00	7,695.43	7,194.04	6,971.75	36.92	39.15	-76.45	-1,691.53	-263.60	3,024.96	2,964.97	59.99	50.425		
8,200.00	7,696.00	7,200.15	6,977.36	37.98	39.19	-76.07	-1,692.99	-263.92	3,045.47	2,984.30	61.16	49.792		
8,300.00	7,696.00	7,205.13	6,982.46	39.21	39.22	-76.17	-1,694.32	-264.20	3,068.87	3,006.42	62.45	49.145		
8,400.00	7,696.00	8,546.04	7,696.00	40.59	48.00	-90.06	-1,877.69	-1,123.55	3,073.61	2,996.74	76.87	39.983		
8,500.00	7,696.00	8,646.04	7,696.00	42.11	49.10	-90.06	-1,877.40	-1,223.55	3,073.83	2,993.52	80.32	38.272		
8,600.00	7,696.00	8,746.04	7,696.00	43.76	50.33	-90.06	-1,877.10	-1,323.54	3,074.06	2,990.09	83.96	36.611		
8,700.00	7,696.00	8,846.04	7,696.00	45.51	51.69	-90.06	-1,876.80	-1,423.54	3,074.28	2,986.49	87.79	35.017		
8,800.00	7,696.00	8,946.04	7,696.00	47.37	53.18	-90.06	-1,876.50	-1,523.54	3,074.51	2,982.73	91.78	33.499		
8,900.00	7,696.00	9,046.04	7,696.00	49.31	54.77	-90.06	-1,876.20	-1,623.54	3,074.73	2,978.83	95.90	32.061		
9,000.00	7,696.00	9,146.04	7,696.00	51.33	56.47	-90.06	-1,875.91	-1,723.54	3,074.96	2,974.81	100.15	30.704		
9,100.00	7,696.00	9,246.04	7,696.00	53.41	58.26	-90.06	-1,875.61	-1,823.54	3,075.18	2,970.68	104.50	29.428		
9,200.00	7,696.00	9,346.03	7,696.00	55.54	60.14	-90.06	-1,875.31	-1,923.54	3,075.41	2,966.47	108.94	28.230		
9,300.00	7,696.00	9,446.03	7,696.00	57.73	62.09	-90.06	-1,875.01	-2,023.54	3,075.63	2,962.16	113.47	27.106		
9,400.00	7,696.00	9,546.03	7,696.00	59.96	64.10	-90.06	-1,874.71	-2,123.54	3,075.86	2,957.79	118.07	26.052		
9,500.00	7,696.00	9,646.03	7,696.00	62.23	66.18	-90.06	-1,874.42	-2,223.54	3,076.08	2,953.35	122.73	25.064		
9,600.00	7,696.00	9,746.03	7,696.00	64.54	68.31	-90.06	-1,874.12	-2,323.54	3,076.31	2,948.86	127.45	24.137		
9,700.00	7,696.00	9,846.03	7,696.00	66.87	70.48	-90.06	-1,873.82	-2,423.54	3,076.53	2,944.31	132.22	23.268		
9,800.00	7,696.00	9,946.03	7,696.00	69.23	72.69	-90.06	-1,873.52	-2,523.54	3,076.75	2,939.71	137.04	22.451		
9,900.00	7,696.00	10,046.03	7,696.00	71.62	74.95	-90.06	-1,873.22	-2,623.54	3,076.98	2,935.08	141.90	21.684		
10,000.00	7,696.00	10,146.03	7,696.00	74.03	77.23	-90.06	-1,872.92	-2,723.54	3,077.20	2,930.41	146.80	20.962		
10,100.00	7,696.00	10,246.03	7,696.00	76.46	79.55	-90.06	-1,872.63	-2,823.53	3,077.43	2,925.70	151.73	20.283		
10,200.00	7,696.00	10,346.03	7,696.00	78.91	81.89	-90.06	-1,872.33	-2,923.53	3,077.65	2,920.97	156.69	19.642		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	10,446.03	7,696.00	81.37	84.26	-90.06	-1,872.03	-3,023.53	3,077.88	2,916.20	161.68	19.037		
10,400.00	7,696.00	10,546.03	7,696.00	83.85	86.65	-90.06	-1,871.73	-3,123.53	3,078.10	2,911.41	166.69	18.466		
10,500.00	7,696.00	10,646.03	7,696.00	86.34	89.05	-90.06	-1,871.43	-3,223.53	3,078.33	2,906.60	171.73	17.926		
10,600.00	7,696.00	10,746.03	7,696.00	88.84	91.48	-90.06	-1,871.14	-3,323.53	3,078.55	2,901.77	176.78	17.414		
10,700.00	7,696.00	10,846.03	7,696.00	91.36	93.92	-90.06	-1,870.84	-3,423.53	3,078.78	2,896.92	181.86	16.929		
10,800.00	7,696.00	10,946.03	7,696.00	93.88	96.38	-90.06	-1,870.54	-3,523.53	3,079.00	2,892.05	186.96	16.469		
10,900.00	7,696.00	11,046.03	7,696.00	96.42	98.85	-90.06	-1,870.24	-3,623.53	3,079.23	2,887.16	192.07	16.032		
11,000.00	7,696.00	11,146.03	7,696.00	98.96	101.33	-90.06	-1,869.94	-3,723.53	3,079.45	2,882.26	197.19	15.616		
11,100.00	7,696.00	11,246.03	7,696.00	101.51	103.83	-90.06	-1,869.65	-3,823.53	3,079.68	2,877.34	202.33	15.221		
11,200.00	7,696.00	11,346.03	7,696.00	104.07	106.33	-90.06	-1,869.35	-3,923.53	3,079.90	2,872.42	207.49	14.844		
11,300.00	7,696.00	11,446.03	7,696.00	106.64	108.85	-90.06	-1,869.05	-4,023.53	3,080.13	2,867.48	212.65	14.484		
11,400.00	7,696.00	11,546.03	7,696.00	109.21	111.37	-90.06	-1,868.75	-4,123.53	3,080.35	2,862.52	217.83	14.141		
11,500.00	7,696.00	11,646.03	7,696.00	111.79	113.91	-90.06	-1,868.45	-4,223.52	3,080.58	2,857.56	223.01	13.813		
11,600.00	7,696.00	11,746.03	7,696.00	114.37	116.45	-90.06	-1,868.15	-4,323.52	3,080.80	2,852.59	228.21	13.500		
11,700.00	7,696.00	11,846.03	7,696.00	116.96	119.00	-90.06	-1,867.86	-4,423.52	3,081.02	2,847.61	233.41	13.200		
11,800.00	7,696.00	11,946.03	7,696.00	119.56	121.55	-90.06	-1,867.56	-4,523.52	3,081.25	2,842.63	238.62	12.913		
11,900.00	7,696.00	12,046.03	7,696.00	122.16	124.12	-90.06	-1,867.26	-4,623.52	3,081.47	2,837.63	243.85	12.637		
12,000.00	7,696.00	12,146.03	7,696.00	124.76	126.68	-90.06	-1,866.96	-4,723.52	3,081.70	2,832.63	249.07	12.373		
12,100.00	7,696.00	12,246.03	7,696.00	127.37	129.26	-90.06	-1,866.66	-4,823.52	3,081.92	2,827.62	254.31	12.119		
12,200.00	7,696.00	12,346.03	7,696.00	129.98	131.83	-90.06	-1,866.37	-4,923.52	3,082.15	2,822.60	259.55	11.875		
12,300.00	7,696.00	12,446.03	7,696.00	132.59	134.42	-90.06	-1,866.07	-5,023.52	3,082.37	2,817.58	264.80	11.641		
12,400.00	7,696.00	12,546.03	7,696.00	135.21	137.01	-90.06	-1,865.77	-5,123.52	3,082.60	2,812.55	270.05	11.415		
12,500.00	7,696.00	12,646.03	7,696.00	137.83	139.60	-90.06	-1,865.47	-5,223.52	3,082.82	2,807.51	275.31	11.198		
12,600.00	7,696.00	12,746.03	7,696.00	140.45	142.19	-90.06	-1,865.17	-5,323.52	3,083.05	2,802.48	280.57	10.988		
12,700.00	7,696.00	12,846.03	7,696.00	143.08	144.79	-90.06	-1,864.88	-5,423.52	3,083.27	2,797.43	285.84	10.787		
12,800.00	7,696.00	12,946.03	7,696.00	145.71	147.40	-90.06	-1,864.58	-5,523.52	3,083.50	2,792.38	291.11	10.592		
12,900.00	7,696.00	13,046.03	7,696.00	148.34	150.01	-90.06	-1,864.28	-5,623.52	3,083.72	2,787.33	296.39	10.404		
13,000.00	7,696.00	13,146.03	7,696.00	150.97	152.62	-90.06	-1,863.98	-5,723.51	3,083.95	2,782.28	301.67	10.223		
13,100.00	7,696.00	13,246.03	7,696.00	153.61	155.23	-90.06	-1,863.68	-5,823.51	3,084.17	2,777.21	306.96	10.048		
13,200.00	7,696.00	13,346.02	7,696.00	156.24	157.85	-90.06	-1,863.38	-5,923.51	3,084.40	2,772.15	312.25	9.878		
13,300.00	7,696.00	13,446.02	7,696.00	158.88	160.47	-90.06	-1,863.09	-6,023.51	3,084.62	2,767.08	317.54	9.714		
13,400.00	7,696.00	13,546.02	7,696.00	161.53	163.09	-90.06	-1,862.79	-6,123.51	3,084.85	2,762.01	322.83	9.556		
13,500.00	7,696.00	13,646.02	7,696.00	164.17	165.71	-90.06	-1,862.49	-6,223.51	3,085.07	2,756.94	328.13	9.402		
13,600.00	7,696.00	13,746.02	7,696.00	166.81	168.34	-90.06	-1,862.19	-6,323.51	3,085.30	2,751.86	333.43	9.253		
13,700.00	7,696.00	13,846.02	7,696.00	169.46	170.97	-90.06	-1,861.89	-6,423.51	3,085.52	2,746.78	338.74	9.109		
13,800.00	7,696.00	13,946.02	7,696.00	172.11	173.60	-90.06	-1,861.60	-6,523.51	3,085.74	2,741.70	344.05	8.969		
13,900.00	7,696.00	14,046.02	7,696.00	174.76	176.23	-90.06	-1,861.30	-6,623.51	3,085.97	2,736.61	349.36	8.833		
14,000.00	7,696.00	14,146.02	7,696.00	177.41	178.87	-90.06	-1,861.00	-6,723.51	3,086.19	2,731.53	354.67	8.702		
14,100.00	7,696.00	14,246.02	7,696.00	180.06	181.50	-90.06	-1,860.70	-6,823.51	3,086.42	2,726.44	359.98	8.574		
14,200.00	7,696.00	14,346.02	7,696.00	182.72	184.14	-90.06	-1,860.40	-6,923.51	3,086.64	2,721.34	365.30	8.450		
14,300.00	7,696.00	14,446.02	7,696.00	185.37	186.78	-90.06	-1,860.11	-7,023.51	3,086.87	2,716.25	370.62	8.329		
14,400.00	7,696.00	14,546.02	7,696.00	188.03	189.42	-90.06	-1,859.81	-7,123.50	3,087.09	2,711.15	375.94	8.212		
14,500.00	7,696.00	14,646.02	7,696.00	190.69	192.07	-90.06	-1,859.51	-7,223.50	3,087.32	2,706.05	381.27	8.098		
14,600.00	7,696.00	14,746.02	7,696.00	193.34	194.71	-90.06	-1,859.21	-7,323.50	3,087.54	2,700.95	386.59	7.987		
14,700.00	7,696.00	14,846.02	7,696.00	196.00	197.36	-90.06	-1,858.91	-7,423.50	3,087.77	2,695.85	391.92	7.879		
14,800.00	7,696.00	14,946.02	7,696.00	198.66	200.01	-90.06	-1,858.62	-7,523.50	3,087.99	2,690.75	397.25	7.773		
14,900.00	7,696.00	15,046.02	7,696.00	201.33	202.66	-90.06	-1,858.32	-7,623.50	3,088.22	2,685.64	402.58	7.671		
15,000.00	7,696.00	15,146.02	7,696.00	203.99	205.31	-90.06	-1,858.02	-7,723.50	3,088.44	2,680.53	407.91	7.571		
15,100.00	7,696.00	15,246.02	7,696.00	206.65	207.96	-90.06	-1,857.72	-7,823.50	3,088.67	2,675.42	413.24	7.474		
15,200.00	7,696.00	15,346.02	7,696.00	209.32	210.61	-90.06	-1,857.42	-7,923.50	3,088.89	2,670.31	418.58	7.379		
15,300.00	7,696.00	15,446.02	7,696.00	211.98	213.26	-90.06	-1,857.12	-8,023.50	3,089.12	2,665.20	423.92	7.287		
15,400.00	7,696.00	15,546.02	7,696.00	214.65	215.92	-90.06	-1,856.83	-8,123.50	3,089.34	2,660.09	429.25	7.197		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,696.00	15,646.02	7,696.00	217.31	218.58	-90.06	-1,856.53	-8,223.50	3,089.57	2,654.97	434.59	7.109		
15,600.00	7,696.00	15,746.02	7,696.00	219.98	221.23	-90.06	-1,856.23	-8,323.50	3,089.79	2,649.86	439.93	7.023		
15,700.00	7,696.00	15,846.02	7,696.00	222.65	223.89	-90.06	-1,855.93	-8,423.50	3,090.02	2,644.74	445.28	6.940		
15,800.00	7,696.00	15,946.02	7,696.00	225.32	226.55	-90.06	-1,855.63	-8,523.49	3,090.24	2,639.62	450.62	6.858		
15,900.00	7,696.00	16,046.02	7,696.00	227.99	229.21	-90.06	-1,855.34	-8,623.49	3,090.46	2,634.50	455.96	6.778		
16,000.00	7,696.00	16,146.02	7,696.00	230.66	231.87	-90.06	-1,855.04	-8,723.49	3,090.69	2,629.38	461.31	6.700		
16,100.00	7,696.00	16,246.02	7,696.00	233.33	234.53	-90.06	-1,854.74	-8,823.49	3,090.91	2,624.26	466.66	6.624		
16,200.00	7,696.00	16,346.02	7,696.00	236.00	237.19	-90.06	-1,854.44	-8,923.49	3,091.14	2,619.13	472.00	6.549		
16,300.00	7,696.00	16,446.02	7,696.00	238.67	239.86	-90.06	-1,854.14	-9,023.49	3,091.36	2,614.01	477.35	6.476		
16,400.00	7,696.00	16,546.02	7,696.00	241.34	242.52	-90.06	-1,853.85	-9,123.49	3,091.59	2,608.89	482.70	6.405		
16,500.00	7,696.00	16,646.02	7,696.00	244.02	245.19	-90.06	-1,853.55	-9,223.49	3,091.81	2,603.76	488.05	6.335		
16,600.00	7,696.00	16,746.02	7,696.00	246.69	247.85	-90.06	-1,853.25	-9,323.49	3,092.04	2,598.63	493.41	6.267		
16,700.00	7,696.00	16,846.02	7,696.00	249.36	250.52	-90.06	-1,852.95	-9,423.49	3,092.26	2,593.50	498.76	6.200		
16,800.00	7,696.00	16,946.02	7,696.00	252.04	253.18	-90.06	-1,852.65	-9,523.49	3,092.49	2,588.38	504.11	6.135		
16,900.00	7,696.00	17,046.02	7,696.00	254.71	255.85	-90.06	-1,852.35	-9,623.49	3,092.71	2,583.25	509.47	6.071		
17,000.00	7,696.00	17,146.02	7,696.00	257.39	258.52	-90.06	-1,852.06	-9,723.49	3,092.94	2,578.12	514.82	6.008		
17,100.00	7,696.00	17,246.02	7,696.00	260.07	261.19	-90.06	-1,851.76	-9,823.49	3,093.16	2,572.99	520.18	5.946		
17,200.00	7,696.00	17,346.01	7,696.00	262.74	263.86	-90.06	-1,851.46	-9,923.49	3,093.39	2,567.85	525.53	5.886		
17,300.00	7,696.00	17,446.01	7,696.00	265.42	266.52	-90.06	-1,851.16	-10,023.48	3,093.61	2,562.72	530.89	5.827		
17,400.00	7,696.00	17,546.01	7,696.00	268.10	269.19	-90.06	-1,850.86	-10,123.48	3,093.84	2,557.59	536.25	5.769		
17,500.00	7,696.00	17,646.01	7,696.00	270.77	271.87	-90.06	-1,850.57	-10,223.48	3,094.06	2,552.45	541.61	5.713		
17,600.00	7,696.00	17,746.01	7,696.00	273.45	274.54	-90.06	-1,850.27	-10,323.48	3,094.29	2,547.32	546.97	5.657		
17,700.00	7,696.00	17,846.01	7,696.00	276.13	277.21	-90.06	-1,849.97	-10,423.48	3,094.51	2,542.18	552.33	5.603		
17,800.00	7,696.00	17,946.01	7,696.00	278.81	279.88	-90.06	-1,849.67	-10,523.48	3,094.73	2,537.05	557.69	5.549		
17,900.00	7,696.00	18,046.01	7,696.00	281.49	282.55	-90.06	-1,849.37	-10,623.48	3,094.96	2,531.91	563.05	5.497		
18,000.00	7,696.00	18,146.01	7,696.00	284.17	285.23	-90.06	-1,849.08	-10,723.48	3,095.18	2,526.78	568.41	5.445		
18,100.00	7,696.00	18,246.01	7,696.00	286.84	287.90	-90.06	-1,848.78	-10,823.48	3,095.41	2,521.64	573.77	5.395		
18,200.00	7,696.00	18,346.01	7,696.00	289.52	290.57	-90.06	-1,848.48	-10,923.48	3,095.63	2,516.50	579.13	5.345		
18,300.00	7,696.00	18,446.01	7,696.00	292.20	293.25	-90.06	-1,848.18	-11,023.48	3,095.86	2,511.36	584.50	5.297		
18,400.00	7,696.00	18,546.01	7,696.00	294.89	295.92	-90.06	-1,847.88	-11,123.48	3,096.08	2,506.22	589.86	5.249		
18,500.00	7,696.00	18,645.99	7,696.00	297.57	298.60	-90.06	-1,847.58	-11,223.45	3,098.09	2,502.86	595.23	5.205		
18,600.00	7,696.00	18,745.87	7,696.00	300.26	301.27	-90.06	-1,847.29	-11,323.33	3,102.98	2,502.39	600.59	5.167		
18,700.00	7,696.00	18,845.73	7,696.00	302.95	303.94	-90.06	-1,846.99	-11,423.19	3,108.18	2,502.22	605.96	5.129		
18,800.00	7,696.00	18,945.60	7,696.00	305.64	306.61	-90.06	-1,846.69	-11,523.06	3,113.37	2,502.05	611.33	5.093		
18,900.00	7,696.00	19,045.46	7,696.00	308.33	309.29	-90.06	-1,846.39	-11,622.92	3,118.56	2,501.87	616.69	5.057		
19,000.00	7,696.00	19,145.33	7,696.00	311.03	311.96	-90.06	-1,846.10	-11,722.79	3,123.76	2,501.70	622.06	5.022		
19,100.00	7,696.00	19,245.19	7,696.00	313.72	314.63	-90.06	-1,845.80	-11,822.65	3,128.95	2,501.53	627.43	4.987		
19,200.00	7,696.00	19,345.06	7,696.00	316.41	317.31	-90.05	-1,845.50	-11,922.52	3,134.15	2,501.35	632.79	4.953		
19,300.00	7,696.00	19,444.92	7,696.00	319.10	319.98	-90.05	-1,845.20	-12,022.38	3,139.34	2,501.18	638.16	4.919		
19,400.00	7,696.00	19,544.79	7,696.00	321.80	322.66	-90.05	-1,844.91	-12,122.25	3,144.53	2,501.00	643.53	4.886		
19,500.00	7,696.00	19,644.65	7,696.00	324.49	325.33	-90.05	-1,844.61	-12,222.11	3,149.73	2,500.83	648.90	4.854		
19,600.00	7,696.00	19,744.52	7,696.00	327.18	328.01	-90.05	-1,844.31	-12,321.98	3,154.92	2,500.65	654.27	4.822		
19,700.00	7,696.00	19,844.38	7,696.00	329.88	330.68	-90.05	-1,844.01	-12,421.84	3,160.12	2,500.47	659.64	4.791		
19,800.00	7,696.00	19,944.25	7,696.00	332.57	333.36	-90.05	-1,843.71	-12,521.70	3,165.31	2,500.30	665.01	4.760		
19,900.00	7,696.00	20,044.11	7,696.00	335.26	336.03	-90.05	-1,843.42	-12,621.57	3,170.50	2,500.12	670.38	4.729		
20,000.00	7,696.00	20,143.98	7,696.00	337.96	338.71	-90.05	-1,843.12	-12,721.43	3,175.70	2,499.94	675.75	4.699		
20,100.00	7,696.00	20,243.84	7,696.00	340.65	341.39	-90.05	-1,842.82	-12,821.30	3,180.89	2,499.76	681.13	4.670		
20,200.00	7,696.00	20,343.71	7,696.00	343.34	344.06	-90.05	-1,842.52	-12,921.16	3,186.08	2,499.59	686.50	4.641		
20,300.00	7,696.00	20,443.57	7,696.00	346.04	346.74	-90.05	-1,842.23	-13,021.03	3,191.28	2,499.41	691.87	4.613		
20,400.00	7,696.00	20,543.44	7,696.00	348.73	349.42	-90.05	-1,841.93	-13,120.89	3,196.47	2,499.23	697.24	4.584		
20,500.00	7,696.00	20,643.30	7,696.00	351.43	352.09	-90.05	-1,841.63	-13,220.76	3,201.67	2,499.05	702.62	4.557		
20,600.00	7,696.00	20,743.17	7,696.00	354.12	354.77	-90.05	-1,841.33	-13,320.62	3,206.86	2,498.87	707.99	4.530		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,700.00	7,696.00	20,843.03	7,696.00	356.82	357.45	-90.05	-1,841.04	-13,420.49	3,212.05	2,498.69	713.36	4.503		
20,800.00	7,696.00	20,942.90	7,696.00	359.51	360.13	-90.05	-1,840.74	-13,520.35	3,217.25	2,498.51	718.74	4.476		
20,900.00	7,696.00	21,042.76	7,696.00	362.21	362.81	-90.05	-1,840.44	-13,620.22	3,222.44	2,498.33	724.11	4.450		
21,000.00	7,696.00	21,142.63	7,696.00	364.90	365.49	-90.05	-1,840.14	-13,720.08	3,227.64	2,498.15	729.48	4.425		
21,100.00	7,696.00	21,242.49	7,696.00	367.60	368.16	-90.05	-1,839.84	-13,819.94	3,232.83	2,497.97	734.86	4.399		
21,200.00	7,696.00	21,342.36	7,696.00	370.29	370.84	-90.05	-1,839.55	-13,919.81	3,238.02	2,497.79	740.23	4.374		
21,300.00	7,696.00	21,442.22	7,696.00	372.99	373.52	-90.05	-1,839.25	-14,019.67	3,243.22	2,497.61	745.61	4.350		
21,400.00	7,696.00	21,542.09	7,696.00	375.68	376.20	-90.05	-1,838.95	-14,119.54	3,248.41	2,497.43	750.98	4.326		
21,500.00	7,696.00	21,641.95	7,696.00	378.38	378.88	-90.05	-1,838.65	-14,219.40	3,253.60	2,497.24	756.36	4.302		
21,600.00	7,696.00	21,741.82	7,696.00	381.08	381.56	-90.05	-1,838.36	-14,319.27	3,258.80	2,497.06	761.74	4.278		
21,700.00	7,696.00	21,841.68	7,696.00	383.77	384.24	-90.05	-1,838.06	-14,419.13	3,263.99	2,496.88	767.11	4.255		
21,800.00	7,696.00	21,941.55	7,696.00	386.47	386.92	-90.05	-1,837.76	-14,519.00	3,269.19	2,496.70	772.49	4.232		
21,900.00	7,696.00	22,041.41	7,696.00	389.17	389.60	-90.05	-1,837.46	-14,618.86	3,274.38	2,496.51	777.86	4.209		
22,000.00	7,696.00	22,141.28	7,696.00	391.86	392.28	-90.05	-1,837.16	-14,718.73	3,279.57	2,496.33	783.24	4.187		
22,100.00	7,696.00	22,241.14	7,696.00	394.56	394.96	-90.05	-1,836.87	-14,818.59	3,284.77	2,496.15	788.62	4.165		
22,200.00	7,696.00	22,341.01	7,696.00	397.25	397.64	-90.05	-1,836.57	-14,918.46	3,289.96	2,495.97	794.00	4.144		
22,300.00	7,696.00	22,440.87	7,696.00	399.95	400.32	-90.05	-1,836.27	-15,018.32	3,295.15	2,495.78	799.37	4.122		
22,400.00	7,696.00	22,540.74	7,696.00	402.65	403.01	-90.05	-1,835.97	-15,118.18	3,300.35	2,495.60	804.75	4.101		
22,500.00	7,696.00	22,640.60	7,696.00	405.35	405.69	-90.05	-1,835.68	-15,218.05	3,305.54	2,495.41	810.13	4.080		
22,600.00	7,696.00	22,740.47	7,696.00	408.04	408.37	-90.05	-1,835.38	-15,317.91	3,310.74	2,495.23	815.51	4.060		
22,700.00	7,696.00	22,840.33	7,696.00	410.74	411.05	-90.05	-1,835.08	-15,417.78	3,315.93	2,495.04	820.89	4.039		
22,800.00	7,696.00	22,940.20	7,696.00	413.44	413.73	-90.05	-1,834.78	-15,517.64	3,321.12	2,494.86	826.26	4.019		
22,900.00	7,696.00	23,040.06	7,696.00	416.13	416.41	-90.05	-1,834.49	-15,617.51	3,326.32	2,494.68	831.64	4.000		
23,000.00	7,696.00	23,139.93	7,696.00	418.83	419.09	-90.05	-1,834.19	-15,717.37	3,331.51	2,494.49	837.02	3.980		
23,100.00	7,696.00	23,239.79	7,696.00	421.53	421.78	-90.05	-1,833.89	-15,817.24	3,336.71	2,494.31	842.40	3.961		
23,200.00	7,696.00	23,339.66	7,696.00	424.23	424.46	-90.05	-1,833.59	-15,917.10	3,341.90	2,494.12	847.78	3.942		
23,300.00	7,696.00	23,439.52	7,696.00	426.92	427.14	-90.05	-1,833.29	-16,016.97	3,347.09	2,493.93	853.16	3.923		
23,400.00	7,696.00	23,539.39	7,696.00	429.62	429.82	-90.05	-1,833.00	-16,116.83	3,352.29	2,493.75	858.54	3.905		
23,500.00	7,696.00	23,639.25	7,696.00	432.32	432.51	-90.05	-1,832.70	-16,216.69	3,357.48	2,493.56	863.92	3.886		
23,600.00	7,696.00	23,739.12	7,696.00	435.02	435.19	-90.05	-1,832.40	-16,316.56	3,362.67	2,493.38	869.30	3.868		
23,700.00	7,696.00	23,838.98	7,696.00	437.72	437.87	-90.05	-1,832.10	-16,416.42	3,367.87	2,493.19	874.68	3.850		
23,800.00	7,696.00	23,938.85	7,696.00	440.41	440.56	-90.05	-1,831.81	-16,516.29	3,373.06	2,493.00	880.06	3.833		
23,900.00	7,696.00	24,038.71	7,696.00	443.11	443.24	-90.05	-1,831.51	-16,616.15	3,378.26	2,492.82	885.44	3.815		
24,000.00	7,696.00	24,138.58	7,696.00	445.81	445.92	-90.05	-1,831.21	-16,716.02	3,383.45	2,492.63	890.82	3.798		
24,100.00	7,696.00	24,238.44	7,696.00	448.51	448.60	-90.05	-1,830.91	-16,815.88	3,388.64	2,492.44	896.20	3.781		
24,200.00	7,696.00	24,338.31	7,696.00	451.21	451.29	-90.05	-1,830.61	-16,915.75	3,393.84	2,492.26	901.58	3.764		
24,300.00	7,696.00	24,438.17	7,696.00	453.91	453.97	-90.05	-1,830.32	-17,015.61	3,399.03	2,492.07	906.96	3.748		
24,400.00	7,696.00	24,538.04	7,696.00	456.60	456.66	-90.05	-1,830.02	-17,115.48	3,404.23	2,491.88	912.34	3.731		
24,500.00	7,696.00	24,637.90	7,696.00	459.30	459.34	-90.05	-1,829.72	-17,215.34	3,409.42	2,491.70	917.72	3.715		
24,600.00	7,696.00	24,737.77	7,696.00	462.00	462.02	-90.05	-1,829.42	-17,315.21	3,414.61	2,491.51	923.11	3.699		
24,700.00	7,696.00	24,837.63	7,696.00	464.70	464.71	-90.05	-1,829.13	-17,415.07	3,419.81	2,491.32	928.49	3.683		
24,800.00	7,696.00	24,937.50	7,696.00	467.40	467.39	-90.05	-1,828.83	-17,514.93	3,425.00	2,491.13	933.87	3.668		
24,900.00	7,696.00	25,037.36	7,696.00	470.10	470.08	-90.05	-1,828.53	-17,614.80	3,430.19	2,490.94	939.25	3.652		
25,000.00	7,696.00	25,137.23	7,696.00	472.80	472.76	-90.05	-1,828.23	-17,714.66	3,435.39	2,490.76	944.63	3.637		
25,100.00	7,696.00	25,237.09	7,696.00	475.50	475.44	-90.05	-1,827.94	-17,814.53	3,440.58	2,490.57	950.01	3.622		
25,200.00	7,696.00	25,336.96	7,696.00	478.19	478.13	-90.05	-1,827.64	-17,914.39	3,445.78	2,490.38	955.40	3.607		
25,300.00	7,696.00	25,436.82	7,696.00	480.89	480.81	-90.05	-1,827.34	-18,014.26	3,450.97	2,490.19	960.78	3.592		
25,400.00	7,696.00	25,536.69	7,696.00	483.59	483.50	-90.05	-1,827.04	-18,114.12	3,456.16	2,490.00	966.16	3.577		
25,500.00	7,696.00	25,636.55	7,696.00	486.29	486.18	-90.05	-1,826.74	-18,213.99	3,461.36	2,489.81	971.54	3.563		
25,600.00	7,696.00	25,736.42	7,696.00	488.99	488.87	-90.05	-1,826.45	-18,313.85	3,466.55	2,489.62	976.93	3.548		
25,700.00	7,696.00	25,836.28	7,696.00	491.69	491.55	-90.05	-1,826.15	-18,413.72	3,471.74	2,489.44	982.31	3.534		
25,800.00	7,696.00	25,936.15	7,696.00	494.39	494.24	-90.05	-1,825.85	-18,513.58	3,476.94	2,489.25	987.69	3.520		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 34-T3S-R65W - BLUE 3-65 33-32-31-36 4BH - OWB - PROPOSAL 1		Offset Site Error:		0.00 usft
Survey Program: 0-MWD OWSG															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)	Minimum Separation (usft)	Separation Factor					
25,900.00	7,696.00	26,036.01	7,696.00	497.09	496.92	-90.05	-1,825.55	-18,613.44	3,482.13	2,489.06	993.07	3.506					
26,000.00	7,696.00	26,135.88	7,696.00	499.79	499.61	-90.05	-1,825.26	-18,713.31	3,487.33	2,488.87	998.46	3.493					
26,100.00	7,696.00	26,235.74	7,696.00	502.49	502.29	-90.05	-1,824.96	-18,813.17	3,492.52	2,488.68	1,003.84	3.479					
26,200.00	7,696.00	26,335.61	7,696.00	505.19	504.98	-90.05	-1,824.66	-18,913.04	3,497.71	2,488.49	1,009.22	3.466					
26,300.00	7,696.00	26,435.47	7,696.00	507.89	507.66	-90.05	-1,824.36	-19,012.90	3,502.91	2,488.30	1,014.61	3.452					
26,400.00	7,696.00	26,535.34	7,696.00	510.59	510.35	-90.05	-1,824.07	-19,112.77	3,508.10	2,488.11	1,019.99	3.439					
26,500.00	7,696.00	26,635.20	7,696.00	513.29	513.03	-90.05	-1,823.77	-19,212.63	3,513.30	2,487.92	1,025.37	3.426					
26,600.00	7,696.00	26,735.07	7,696.00	515.99	515.72	-90.05	-1,823.47	-19,312.50	3,518.49	2,487.73	1,030.76	3.413					
26,700.00	7,696.00	26,834.93	7,696.00	518.69	518.41	-90.05	-1,823.17	-19,412.36	3,523.68	2,487.54	1,036.14	3.401					
26,800.00	7,696.00	26,934.80	7,696.00	521.39	521.09	-90.05	-1,822.87	-19,512.23	3,528.88	2,487.35	1,041.53	3.388					
26,900.00	7,696.00	27,034.66	7,696.00	524.09	523.78	-90.05	-1,822.58	-19,612.09	3,534.07	2,487.16	1,046.91	3.376					
27,000.00	7,696.00	27,134.53	7,696.00	526.79	526.46	-90.05	-1,822.28	-19,711.96	3,539.26	2,486.97	1,052.29	3.363					
27,100.00	7,696.00	27,234.39	7,696.00	529.49	529.15	-90.05	-1,821.98	-19,811.82	3,544.46	2,486.78	1,057.68	3.351					
27,200.00	7,696.00	27,334.26	7,696.00	532.19	531.83	-90.05	-1,821.68	-19,911.68	3,549.65	2,486.59	1,063.06	3.339					
27,300.00	7,696.00	27,434.12	7,696.00	534.89	534.52	-90.05	-1,821.39	-20,011.55	3,554.85	2,486.40	1,068.45	3.327					
27,400.00	7,696.00	27,533.99	7,696.00	537.59	537.21	-90.05	-1,821.09	-20,111.41	3,560.04	2,486.21	1,073.83	3.315					
27,500.00	7,696.00	27,633.85	7,696.00	540.29	539.89	-90.05	-1,820.79	-20,211.28	3,565.23	2,486.02	1,079.22	3.304					
27,600.00	7,696.00	27,733.72	7,696.00	542.99	542.58	-90.05	-1,820.49	-20,311.14	3,570.43	2,485.83	1,084.60	3.292					
27,700.00	7,696.00	27,833.58	7,696.00	545.69	545.27	-90.05	-1,820.19	-20,411.01	3,575.62	2,485.64	1,089.99	3.280					
27,800.00	7,696.00	27,933.45	7,696.00	548.39	547.95	-90.05	-1,819.90	-20,510.87	3,580.82	2,485.45	1,095.37	3.269					
27,900.00	7,696.00	28,033.31	7,696.00	551.09	550.64	-90.05	-1,819.60	-20,610.74	3,586.01	2,485.25	1,100.75	3.258					
28,000.00	7,696.00	28,133.18	7,696.00	553.79	553.32	-90.05	-1,819.30	-20,710.60	3,591.20	2,485.06	1,106.14	3.247					
28,100.00	7,696.00	28,233.04	7,696.00	556.49	556.01	-90.05	-1,819.00	-20,810.47	3,596.40	2,484.87	1,111.52	3.236					
28,200.00	7,696.00	28,332.91	7,696.00	559.19	558.70	-90.05	-1,818.71	-20,910.33	3,601.59	2,484.68	1,116.91	3.225					
28,300.00	7,696.00	28,432.77	7,696.00	561.89	561.38	-90.05	-1,818.41	-21,010.19	3,606.78	2,484.49	1,122.30	3.214					
28,400.00	7,696.00	28,532.64	7,696.00	564.59	564.07	-90.05	-1,818.11	-21,110.06	3,611.98	2,484.30	1,127.68	3.203					
28,500.00	7,696.00	28,632.50	7,696.00	567.29	566.76	-90.05	-1,817.81	-21,209.92	3,617.17	2,484.11	1,133.07	3.192					
28,600.00	7,696.00	28,732.37	7,696.00	569.99	569.44	-90.05	-1,817.52	-21,309.79	3,622.37	2,483.91	1,138.45	3.182					
28,656.21	7,696.00	28,788.51	7,696.00	571.51	570.96	-90.05	-1,817.35	-21,365.93	3,625.29	2,483.81	1,141.48	3.176 SF					

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	0.00	0.00	89.49	0.36	40.21	40.21				
100.00	100.00	101.00	99.00	0.13	0.14	89.49	0.36	40.21	40.21	39.94	0.27	147.603	
200.00	200.00	201.00	199.00	0.49	0.50	89.49	0.36	40.21	40.21	39.22	0.99	40.644	
300.00	300.00	301.00	299.00	0.85	0.85	89.49	0.36	40.21	40.21	38.51	1.71	23.567 CC	
400.00	399.98	401.02	398.98	1.21	1.21	105.57	0.36	40.21	40.65	38.22	2.42	16.776	
500.00	499.84	501.16	498.84	1.57	1.57	112.36	0.36	40.21	42.35	39.21	3.14	13.478	
600.00	599.45	601.55	598.45	1.94	1.93	122.27	0.36	40.21	46.38	42.51	3.87	11.986	
700.00	698.70	697.70	697.70	2.32	2.28	133.14	0.36	40.21	53.90	49.31	4.59	11.747	
800.00	797.47	797.97	797.95	2.72	2.63	144.19	0.15	38.55	64.50	59.19	5.31	12.136	
900.00	896.03	902.84	897.03	3.14	2.99	154.19	-0.41	34.03	76.35	70.31	6.04	12.638	
1,000.00	994.59	1,004.30	995.45	3.57	3.35	161.51	-1.00	29.24	89.74	82.98	6.76	13.275	
1,100.00	1,093.16	1,105.77	1,093.87	4.00	3.71	166.89	-1.59	24.44	104.19	96.71	7.48	13.926	
1,200.00	1,191.72	1,207.23	1,192.29	4.44	4.07	170.94	-2.18	19.65	119.32	111.12	8.21	14.539	
1,300.00	1,290.28	1,308.69	1,290.71	4.88	4.43	174.07	-2.77	14.85	134.91	125.98	8.94	15.097	
1,400.00	1,388.84	1,389.85	1,389.13	5.32	4.72	176.54	-3.36	10.05	150.81	141.22	9.60	15.717	
1,500.00	1,487.40	1,488.39	1,487.56	5.76	5.08	178.55	-3.95	5.26	166.94	156.62	10.32	16.176	
1,600.00	1,585.96	1,586.93	1,585.98	6.20	5.44	-179.80	-4.54	0.46	183.22	172.18	11.05	16.586	
1,700.00	1,684.52	1,685.47	1,684.40	6.65	5.79	-178.42	-5.13	-4.34	199.64	187.86	11.78	16.953	
1,800.00	1,783.09	1,784.01	1,782.82	7.09	6.15	-177.25	-5.73	-9.13	216.14	203.64	12.51	17.283	
1,900.00	1,881.65	1,882.55	1,881.24	7.54	6.51	-176.25	-6.32	-13.93	232.73	219.49	13.24	17.581	
2,000.00	1,980.21	1,981.09	1,979.66	7.99	6.87	-175.37	-6.91	-18.73	249.37	235.40	13.97	17.850	
2,100.00	2,078.77	2,079.63	2,078.08	8.43	7.23	-174.61	-7.50	-23.52	266.06	251.36	14.70	18.094	
2,200.00	2,177.33	2,178.16	2,176.50	8.88	7.59	-173.94	-8.09	-28.32	282.80	267.36	15.44	18.317	
2,300.00	2,275.89	2,276.70	2,274.92	9.33	7.95	-173.34	-8.68	-33.12	299.56	283.39	16.17	18.521	
2,400.00	2,374.45	2,375.24	2,373.34	9.78	8.31	-172.81	-9.27	-37.91	316.36	299.45	16.91	18.708	
2,500.00	2,473.02	2,473.78	2,471.76	10.23	8.67	-172.33	-9.86	-42.71	333.18	315.53	17.65	18.880	
2,600.00	2,571.58	2,572.32	2,570.18	10.67	9.03	-171.90	-10.45	-47.50	350.02	331.63	18.38	19.039	
2,700.00	2,670.14	2,670.86	2,668.60	11.12	9.39	-171.50	-11.05	-52.30	366.87	347.75	19.12	19.186	
2,800.00	2,768.70	2,769.40	2,767.02	11.57	9.75	-171.14	-11.64	-57.10	383.75	363.89	19.86	19.323	
2,900.00	2,867.26	2,867.94	2,865.44	12.02	10.11	-170.82	-12.23	-61.89	400.63	380.04	20.60	19.450	
3,000.00	2,965.82	2,966.48	2,963.86	12.47	10.48	-170.51	-12.82	-66.69	417.53	396.19	21.34	19.569	
3,100.00	3,064.38	3,065.02	3,062.28	12.92	10.84	-170.23	-13.41	-71.49	434.44	412.36	22.08	19.680	
3,200.00	3,162.95	3,163.55	3,160.70	13.37	11.20	-169.98	-14.00	-76.28	451.36	428.54	22.81	19.784	
3,300.00	3,261.51	3,262.09	3,259.12	13.82	11.56	-169.74	-14.59	-81.08	468.28	444.73	23.55	19.881	
3,400.00	3,360.07	3,360.63	3,357.54	14.27	11.92	-169.51	-15.18	-85.88	485.22	460.92	24.29	19.973	
3,500.00	3,458.63	3,459.17	3,455.96	14.72	12.28	-169.31	-15.77	-90.67	502.16	477.12	25.03	20.059	
3,600.00	3,557.19	3,557.71	3,554.38	15.17	12.65	-169.11	-16.37	-95.47	519.10	493.33	25.77	20.141	
3,700.00	3,655.75	3,656.25	3,652.80	15.62	13.01	-168.93	-16.96	-100.27	536.05	509.54	26.51	20.218	
3,800.00	3,754.32	3,754.79	3,751.23	16.07	13.37	-168.76	-17.55	-105.06	553.01	525.75	27.25	20.291	
3,900.00	3,852.88	3,853.33	3,849.65	16.52	13.73	-168.60	-18.14	-109.86	569.97	541.97	27.99	20.360	
4,000.00	3,951.44	3,951.87	3,948.07	16.97	14.09	-168.45	-18.73	-114.65	586.93	558.20	28.74	20.426	
4,100.00	4,050.00	4,050.41	4,046.49	17.42	14.46	-168.31	-19.32	-119.45	603.90	574.43	29.48	20.488	
4,200.00	4,148.56	4,148.94	4,144.91	17.87	14.82	-168.17	-19.91	-124.25	620.87	590.66	30.22	20.547	
4,300.00	4,247.12	4,247.48	4,243.33	18.32	15.18	-168.04	-20.50	-129.04	637.85	606.89	30.96	20.604	
4,400.00	4,345.68	4,346.02	4,341.75	18.77	15.54	-167.92	-21.09	-133.84	654.83	623.13	31.70	20.658	
4,500.00	4,444.25	4,444.56	4,440.17	19.22	15.90	-167.81	-21.69	-138.64	671.81	639.37	32.44	20.709	
4,600.00	4,542.81	4,543.10	4,538.59	19.67	16.27	-167.70	-22.28	-143.43	688.79	655.61	33.18	20.758	
4,700.00	4,641.37	4,641.64	4,637.01	20.12	16.63	-167.59	-22.87	-148.23	705.78	671.85	33.92	20.805	
4,800.00	4,739.93	4,740.18	4,735.43	20.57	16.99	-167.49	-23.46	-153.03	722.76	688.10	34.66	20.850	
4,900.00	4,838.49	4,838.72	4,833.85	21.02	17.35	-167.40	-24.05	-157.82	739.75	704.35	35.41	20.893	
5,000.00	4,937.05	4,937.26	4,932.27	21.47	17.72	-167.31	-24.64	-162.62	756.74	720.60	36.15	20.935	
5,100.00	5,035.61	5,035.80	5,030.69	21.92	18.08	-167.22	-25.23	-167.42	773.74	736.85	36.89	20.975	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	5,134.33	5,129.11	22.38	18.44	-167.14	-25.82	-172.21	790.73	753.10	37.63	21.013		
5,300.00	5,232.74	5,232.87	5,227.53	22.83	18.80	-167.06	-26.41	-177.01	807.73	769.36	38.37	21.049		
5,400.00	5,331.30	5,331.41	5,325.95	23.28	19.17	-166.98	-27.01	-181.81	824.73	785.61	39.12	21.085		
5,500.00	5,429.86	5,429.95	5,424.37	23.73	19.53	-166.91	-27.60	-186.60	841.73	801.87	39.86	21.119		
5,600.00	5,528.42	5,528.49	5,522.79	24.18	19.89	-166.84	-28.19	-191.40	858.73	818.13	40.60	21.151		
5,700.00	5,626.98	5,627.03	5,621.21	24.63	20.25	-166.77	-28.78	-196.19	875.73	834.39	41.34	21.183		
5,800.00	5,725.54	5,725.57	5,719.63	25.08	20.62	-166.71	-29.37	-200.99	892.73	850.65	42.08	21.213		
5,900.00	5,824.11	5,824.11	5,818.05	25.53	20.98	-166.65	-29.96	-205.79	909.73	866.91	42.83	21.242		
6,000.00	5,922.67	5,922.65	5,916.47	25.98	21.34	-166.59	-30.55	-210.58	926.74	883.17	43.57	21.271		
6,100.00	6,021.23	6,021.19	6,014.90	26.43	21.70	-166.53	-31.14	-215.38	943.75	899.43	44.31	21.298		
6,200.00	6,119.79	6,119.72	6,113.32	26.88	22.07	-166.47	-31.73	-220.18	960.75	915.70	45.05	21.325		
6,300.00	6,218.35	6,218.26	6,211.74	27.33	22.43	-166.42	-32.32	-224.97	977.76	931.96	45.80	21.350		
6,400.00	6,316.91	6,316.80	6,310.16	27.78	22.79	-166.37	-32.92	-229.77	994.77	948.23	46.54	21.375		
6,500.00	6,415.48	6,415.34	6,408.58	28.23	23.15	-166.32	-33.51	-234.57	1,011.78	964.50	47.28	21.399		
6,600.00	6,514.04	6,513.88	6,507.00	28.69	23.52	-166.27	-34.10	-239.36	1,028.79	980.76	48.02	21.422		
6,700.00	6,612.60	6,612.42	6,605.42	29.14	23.88	-166.22	-34.69	-244.16	1,045.80	997.03	48.77	21.445		
6,800.00	6,711.16	6,710.96	6,703.84	29.59	24.24	-166.18	-35.28	-248.96	1,062.81	1,013.30	49.51	21.467		
6,900.00	6,809.72	6,809.50	6,802.26	30.04	24.61	-166.13	-35.87	-253.75	1,079.82	1,029.57	50.25	21.488		
7,000.00	6,908.28	6,908.04	6,900.68	30.49	24.97	-166.09	-36.46	-258.55	1,096.83	1,045.84	51.00	21.508		
7,100.00	7,006.84	7,006.58	6,999.10	30.94	25.33	-166.05	-37.05	-263.34	1,113.85	1,062.11	51.74	21.528		
7,200.00	7,105.41	7,105.11	7,097.52	31.39	25.69	-166.01	-37.64	-268.14	1,130.86	1,078.38	52.48	21.548		
7,300.00	7,203.81	7,203.86	7,196.01	31.85	26.06	-141.09	-38.23	-274.73	1,147.85	1,094.61	53.24	21.561		
7,400.00	7,300.02	7,302.95	7,292.71	32.33	26.48	-116.32	-38.74	-289.76	1,164.48	1,110.40	54.08	21.533		
7,500.00	7,391.09	7,402.30	7,384.59	32.83	26.95	-105.57	-39.15	-333.25	1,180.24	1,125.22	55.02	21.451		
7,600.00	7,474.26	7,502.04	7,468.93	33.35	27.50	-99.62	-39.46	-386.25	1,194.65	1,138.56	56.09	21.298		
7,700.00	7,546.99	7,602.24	7,543.13	33.90	28.14	-95.83	-39.64	-453.40	1,207.28	1,149.93	57.35	21.052		
7,800.00	7,607.07	7,702.89	7,604.76	34.51	28.91	-93.27	-39.69	-532.82	1,217.74	1,158.88	58.86	20.688		
7,900.00	7,652.68	7,803.96	7,651.72	35.20	29.85	-91.56	-39.60	-622.16	1,225.71	1,165.01	60.70	20.194		
8,000.00	7,682.43	7,905.33	7,682.34	36.00	30.97	-90.52	-39.39	-718.66	1,230.95	1,168.07	62.88	19.576		
8,100.00	7,695.43	8,006.86	7,695.50	36.92	32.25	-90.07	-39.05	-819.20	1,233.30	1,167.92	65.38	18.865		
8,200.00	7,696.00	8,107.22	7,696.00	37.98	33.65	-90.05	-38.63	-919.55	1,233.50	1,165.38	68.12	18.108		
8,300.00	7,696.00	8,207.22	7,696.00	39.21	35.20	-90.05	-38.21	-1,019.55	1,233.60	1,162.45	71.16	17.337		
8,400.00	7,696.00	8,307.22	7,696.00	40.59	36.88	-90.05	-37.80	-1,119.55	1,233.71	1,159.25	74.46	16.569		
8,500.00	7,696.00	8,407.22	7,696.00	42.11	38.67	-90.05	-37.38	-1,219.55	1,233.81	1,155.81	78.00	15.819		
8,600.00	7,696.00	8,507.22	7,696.00	43.76	40.57	-90.05	-36.96	-1,319.55	1,233.91	1,152.18	81.74	15.096		
8,700.00	7,696.00	8,607.22	7,696.00	45.51	42.55	-90.05	-36.54	-1,419.55	1,234.02	1,148.37	85.65	14.407		
8,800.00	7,696.00	8,707.22	7,696.00	47.37	44.60	-90.05	-36.12	-1,519.55	1,234.12	1,144.40	89.72	13.755		
8,900.00	7,696.00	8,807.22	7,696.00	49.31	46.73	-90.05	-35.70	-1,619.54	1,234.23	1,140.30	93.92	13.141		
9,000.00	7,696.00	8,907.22	7,696.00	51.33	48.90	-90.05	-35.28	-1,719.54	1,234.33	1,136.09	98.24	12.564		
9,100.00	7,696.00	9,007.22	7,696.00	53.41	51.13	-90.05	-34.86	-1,819.54	1,234.43	1,131.77	102.66	12.024		
9,200.00	7,696.00	9,107.22	7,696.00	55.54	53.40	-90.05	-34.45	-1,919.54	1,234.54	1,127.36	107.17	11.519		
9,300.00	7,696.00	9,207.22	7,696.00	57.73	55.71	-90.05	-34.03	-2,019.54	1,234.64	1,122.88	111.76	11.047		
9,400.00	7,696.00	9,307.22	7,696.00	59.96	58.05	-90.05	-33.61	-2,119.54	1,234.75	1,118.33	116.42	10.606		
9,500.00	7,696.00	9,407.22	7,696.00	62.23	60.43	-90.05	-33.19	-2,219.54	1,234.85	1,113.71	121.14	10.194		
9,600.00	7,696.00	9,507.22	7,696.00	64.54	62.82	-90.05	-32.77	-2,319.54	1,234.96	1,109.05	125.91	9.808		
9,700.00	7,696.00	9,607.22	7,696.00	66.87	65.25	-90.05	-32.35	-2,419.54	1,235.06	1,104.33	130.73	9.447		
9,800.00	7,696.00	9,707.22	7,696.00	69.23	67.69	-90.05	-31.93	-2,519.54	1,235.16	1,099.57	135.59	9.109		
9,900.00	7,696.00	9,807.22	7,696.00	71.62	70.15	-90.05	-31.52	-2,619.54	1,235.27	1,094.77	140.50	8.792		
10,000.00	7,696.00	9,907.22	7,696.00	74.03	72.63	-90.05	-31.10	-2,719.53	1,235.37	1,089.94	145.43	8.494		
10,100.00	7,696.00	10,007.22	7,696.00	76.46	75.12	-90.05	-30.68	-2,819.53	1,235.48	1,085.07	150.40	8.214		
10,200.00	7,696.00	10,107.22	7,696.00	78.91	77.63	-90.05	-30.26	-2,919.53	1,235.58	1,080.18	155.40	7.951		
10,300.00	7,696.00	10,207.22	7,696.00	81.37	80.14	-90.05	-29.84	-3,019.53	1,235.68	1,075.26	160.42	7.703		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,696.00	10,307.22	7,696.00	83.85	82.67	-90.05	-29.42	-3,119.53	1,235.79	1,070.32	165.47	7.468		
10,500.00	7,696.00	10,407.22	7,696.00	86.34	85.21	-90.05	-29.00	-3,219.53	1,235.89	1,065.36	170.53	7.247		
10,600.00	7,696.00	10,507.22	7,696.00	88.84	87.76	-90.05	-28.58	-3,319.53	1,236.00	1,060.38	175.62	7.038		
10,700.00	7,696.00	10,607.22	7,696.00	91.36	90.32	-90.05	-28.17	-3,419.53	1,236.10	1,055.38	180.72	6.840		
10,800.00	7,696.00	10,707.22	7,696.00	93.88	92.89	-90.05	-27.75	-3,519.53	1,236.20	1,050.36	185.84	6.652		
10,900.00	7,696.00	10,807.22	7,696.00	96.42	95.46	-90.05	-27.33	-3,619.53	1,236.31	1,045.33	190.98	6.473		
11,000.00	7,696.00	10,907.22	7,696.00	98.96	98.04	-90.05	-26.91	-3,719.53	1,236.41	1,040.28	196.13	6.304		
11,100.00	7,696.00	11,007.22	7,696.00	101.51	100.63	-90.05	-26.49	-3,819.52	1,236.52	1,035.23	201.29	6.143		
11,200.00	7,696.00	11,107.22	7,696.00	104.07	103.22	-90.05	-26.07	-3,919.52	1,236.62	1,030.16	206.47	5.989		
11,300.00	7,696.00	11,207.22	7,696.00	106.64	105.81	-90.05	-25.65	-4,019.52	1,236.73	1,025.08	211.65	5.843		
11,400.00	7,696.00	11,307.22	7,696.00	109.21	108.41	-90.05	-25.23	-4,119.52	1,236.83	1,019.98	216.85	5.704		
11,500.00	7,696.00	11,407.22	7,696.00	111.79	111.02	-90.05	-24.82	-4,219.52	1,236.93	1,014.88	222.05	5.571		
11,600.00	7,696.00	11,507.22	7,696.00	114.37	113.63	-90.05	-24.40	-4,319.52	1,237.04	1,009.78	227.26	5.443		
11,700.00	7,696.00	11,607.22	7,696.00	116.96	116.25	-90.05	-23.98	-4,419.52	1,237.14	1,004.66	232.48	5.321		
11,800.00	7,696.00	11,707.22	7,696.00	119.56	118.86	-90.05	-23.56	-4,519.52	1,237.25	999.53	237.71	5.205		
11,900.00	7,696.00	11,807.22	7,696.00	122.16	121.48	-90.05	-23.14	-4,619.52	1,237.35	994.40	242.95	5.093		
12,000.00	7,696.00	11,907.22	7,696.00	124.76	124.11	-90.05	-22.72	-4,719.52	1,237.45	989.26	248.19	4.986		
12,100.00	7,696.00	12,007.22	7,696.00	127.37	126.74	-90.05	-22.30	-4,819.51	1,237.56	984.12	253.44	4.883		
12,200.00	7,696.00	12,107.22	7,696.00	129.98	129.37	-90.05	-21.88	-4,919.51	1,237.66	978.97	258.70	4.784		
12,300.00	7,696.00	12,207.22	7,696.00	132.59	132.00	-90.05	-21.47	-5,019.51	1,237.77	973.81	263.96	4.689		
12,400.00	7,696.00	12,307.22	7,696.00	135.21	134.64	-90.05	-21.05	-5,119.51	1,237.87	968.65	269.22	4.598		
12,500.00	7,696.00	12,407.22	7,696.00	137.83	137.27	-90.05	-20.63	-5,219.51	1,237.98	963.48	274.49	4.510		
12,600.00	7,696.00	12,507.22	7,696.00	140.45	139.91	-90.05	-20.21	-5,319.51	1,238.08	958.31	279.77	4.425		
12,700.00	7,696.00	12,607.22	7,696.00	143.08	142.56	-90.05	-19.79	-5,419.51	1,238.18	953.13	285.05	4.344		
12,800.00	7,696.00	12,707.22	7,696.00	145.71	145.20	-90.05	-19.37	-5,519.51	1,238.29	947.95	290.33	4.265		
12,900.00	7,696.00	12,807.22	7,696.00	148.34	147.85	-90.05	-18.95	-5,619.51	1,238.39	942.77	295.62	4.189		
13,000.00	7,696.00	12,907.22	7,696.00	150.97	150.49	-90.05	-18.53	-5,719.51	1,238.50	937.58	300.91	4.116		
13,100.00	7,696.00	13,007.22	7,696.00	153.61	153.14	-90.05	-18.12	-5,819.51	1,238.60	932.39	306.21	4.045		
13,200.00	7,696.00	13,107.22	7,696.00	156.24	155.79	-90.05	-17.70	-5,919.50	1,238.70	927.20	311.51	3.976		
13,300.00	7,696.00	13,207.22	7,696.00	158.88	158.45	-90.05	-17.28	-6,019.50	1,238.81	922.00	316.81	3.910		
13,400.00	7,696.00	13,307.22	7,696.00	161.53	161.10	-90.05	-16.86	-6,119.50	1,238.91	916.80	322.11	3.846		
13,500.00	7,696.00	13,407.22	7,696.00	164.17	163.76	-90.05	-16.44	-6,219.50	1,239.02	911.60	327.42	3.784		
13,600.00	7,696.00	13,507.22	7,696.00	166.81	166.41	-90.05	-16.02	-6,319.50	1,239.12	906.39	332.73	3.724		
13,700.00	7,696.00	13,607.24	7,696.00	169.46	169.07	-90.05	-15.60	-6,419.52	1,239.22	901.18	338.04	3.666		
13,800.00	7,696.00	13,707.24	7,696.00	172.11	171.73	-90.05	-15.18	-6,519.52	1,239.33	895.97	343.36	3.609		
13,900.00	7,696.00	13,807.24	7,696.00	174.76	174.39	-90.05	-14.76	-6,619.52	1,239.43	890.75	348.68	3.555		
14,000.00	7,696.00	13,907.24	7,696.00	177.41	177.05	-90.05	-14.34	-6,719.52	1,239.53	885.53	354.00	3.502		
14,100.00	7,696.00	14,007.24	7,696.00	180.06	179.72	-90.05	-13.92	-6,819.52	1,239.63	880.31	359.32	3.450		
14,200.00	7,696.00	14,107.24	7,696.00	182.72	182.38	-90.05	-13.50	-6,919.52	1,239.74	875.09	364.64	3.400		
14,300.00	7,696.00	14,207.24	7,696.00	185.37	185.04	-90.05	-13.08	-7,019.52	1,239.84	869.87	369.97	3.351		
14,400.00	7,696.00	14,307.24	7,696.00	188.03	187.71	-90.05	-12.66	-7,119.51	1,239.94	864.64	375.30	3.304		
14,500.00	7,696.00	14,407.24	7,696.00	190.69	190.38	-90.05	-12.24	-7,219.51	1,240.04	859.41	380.63	3.258		
14,600.00	7,696.00	14,507.24	7,696.00	193.34	193.04	-90.05	-11.82	-7,319.51	1,240.15	854.18	385.96	3.213		
14,700.00	7,696.00	14,607.24	7,696.00	196.00	195.71	-90.05	-11.40	-7,419.51	1,240.25	848.95	391.29	3.170		
14,800.00	7,696.00	14,707.24	7,696.00	198.66	198.38	-90.05	-10.98	-7,519.51	1,240.35	843.72	396.63	3.127		
14,900.00	7,696.00	14,807.24	7,696.00	201.33	201.05	-90.05	-10.56	-7,619.51	1,240.45	838.49	401.97	3.086		
15,000.00	7,696.00	14,907.24	7,696.00	203.99	203.72	-90.05	-10.14	-7,719.51	1,240.55	833.25	407.30	3.046		
15,100.00	7,696.00	15,007.24	7,696.00	206.65	206.39	-90.05	-9.72	-7,819.51	1,240.66	828.01	412.64	3.007		
15,200.00	7,696.00	15,107.24	7,696.00	209.32	209.06	-90.05	-9.30	-7,919.51	1,240.76	822.77	417.99	2.968		
15,300.00	7,696.00	15,207.24	7,696.00	211.98	211.73	-90.05	-8.87	-8,019.51	1,240.86	817.54	423.33	2.931		
15,400.00	7,696.00	15,307.24	7,696.00	214.65	214.41	-90.05	-8.45	-8,119.51	1,240.96	812.29	428.67	2.895		
15,500.00	7,696.00	15,407.24	7,696.00	217.31	217.08	-90.05	-8.03	-8,219.50	1,241.07	807.05	434.02	2.859		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,696.00	15,507.24	7,696.00	219.98	219.75	-90.05	-7.61	-8,319.50	1,241.17	801.81	439.36	2.825		
15,700.00	7,696.00	15,607.24	7,696.00	222.65	222.43	-90.05	-7.19	-8,419.50	1,241.27	796.56	444.71	2.791		
15,800.00	7,696.00	15,707.24	7,696.00	225.32	225.10	-90.05	-6.77	-8,519.50	1,241.37	791.32	450.06	2.758		
15,900.00	7,696.00	15,807.24	7,696.00	227.99	227.78	-90.05	-6.35	-8,619.50	1,241.48	786.07	455.41	2.726		
16,000.00	7,696.00	15,907.24	7,696.00	230.66	230.45	-90.05	-5.93	-8,719.50	1,241.58	780.82	460.76	2.695		
16,100.00	7,696.00	16,007.24	7,696.00	233.33	233.13	-90.05	-5.51	-8,819.50	1,241.68	775.57	466.11	2.664		
16,200.00	7,696.00	16,107.24	7,696.00	236.00	235.81	-90.05	-5.09	-8,919.50	1,241.78	770.32	471.46	2.634		
16,300.00	7,696.00	16,207.24	7,696.00	238.67	238.48	-90.05	-4.67	-9,019.50	1,241.89	765.07	476.81	2.605		
16,400.00	7,696.00	16,307.24	7,696.00	241.34	241.16	-90.05	-4.25	-9,119.50	1,241.99	759.82	482.17	2.576		
16,500.00	7,696.00	16,407.24	7,696.00	244.02	243.84	-90.05	-3.83	-9,219.49	1,242.09	754.57	487.52	2.548		
16,600.00	7,696.00	16,507.24	7,696.00	246.69	246.52	-90.05	-3.41	-9,319.49	1,242.19	749.32	492.88	2.520		
16,700.00	7,696.00	16,607.24	7,696.00	249.36	249.20	-90.05	-2.99	-9,419.49	1,242.30	744.06	498.23	2.493		
16,800.00	7,696.00	16,707.24	7,696.00	252.04	251.88	-90.05	-2.57	-9,519.49	1,242.40	738.81	503.59	2.467		
16,900.00	7,696.00	16,807.24	7,696.00	254.71	254.56	-90.05	-2.15	-9,619.49	1,242.50	733.55	508.95	2.441		
17,000.00	7,696.00	16,907.10	7,696.00	257.39	257.23	-90.05	-1.73	-9,719.35	1,242.60	728.30	514.30	2.416		
17,100.00	7,696.00	17,007.10	7,696.00	260.07	259.91	-90.05	-1.32	-9,819.35	1,242.72	723.06	519.66	2.391		
17,200.00	7,696.00	17,107.10	7,696.00	262.74	262.59	-90.05	-0.91	-9,919.35	1,242.83	717.81	525.02	2.367		
17,300.00	7,696.00	17,207.10	7,696.00	265.42	265.27	-90.05	-0.50	-10,019.35	1,242.94	712.56	530.38	2.343		
17,400.00	7,696.00	17,307.10	7,696.00	268.10	267.96	-90.05	-0.09	-10,119.35	1,243.06	707.31	535.74	2.320		
17,500.00	7,696.00	17,407.10	7,696.00	270.77	270.64	-90.05	0.32	-10,219.35	1,243.17	702.07	541.11	2.297		
17,600.00	7,696.00	17,507.10	7,696.00	273.45	273.32	-90.05	0.73	-10,319.35	1,243.29	696.82	546.47	2.275		
17,700.00	7,696.00	17,607.10	7,696.00	276.13	276.00	-90.05	1.14	-10,419.35	1,243.40	691.57	551.83	2.253		
17,800.00	7,696.00	17,707.10	7,696.00	278.81	278.68	-90.05	1.55	-10,519.34	1,243.51	686.32	557.20	2.232		
17,900.00	7,696.00	17,807.10	7,696.00	281.49	281.37	-90.05	1.96	-10,619.34	1,243.63	681.07	562.56	2.211		
18,000.00	7,696.00	17,907.10	7,696.00	284.17	284.05	-90.05	2.36	-10,719.34	1,243.74	675.81	567.92	2.190		
18,100.00	7,696.00	18,007.10	7,696.00	286.84	286.73	-90.05	2.77	-10,819.34	1,243.85	670.56	573.29	2.170		
18,200.00	7,696.00	18,107.10	7,696.00	289.52	289.42	-90.05	3.18	-10,919.34	1,243.97	665.31	578.66	2.150		
18,300.00	7,696.00	18,207.10	7,696.00	292.20	292.10	-90.05	3.59	-11,019.34	1,244.08	660.06	584.02	2.130		
18,400.00	7,696.00	18,319.15	7,696.00	294.89	295.11	-90.05	4.19	-11,131.39	1,244.12	654.31	589.81	2.109		
18,500.00	7,696.00	18,495.78	7,696.00	297.57	299.85	-90.05	12.06	-11,307.81	1,241.96	645.42	596.54	2.082		
18,600.00	7,696.00	18,605.02	7,696.00	300.26	302.79	-90.05	21.03	-11,416.68	1,238.91	636.97	601.93	2.058		
18,700.00	7,696.00	18,704.98	7,696.00	302.95	305.47	-90.05	29.31	-11,516.30	1,236.11	628.80	607.32	2.035		
18,800.00	7,696.00	18,804.94	7,696.00	305.64	308.16	-90.05	37.59	-11,615.92	1,233.32	620.61	612.70	2.013		
18,900.00	7,696.00	18,904.90	7,696.00	308.33	310.84	-90.05	45.86	-11,715.54	1,230.52	612.43	618.09	1.991		
19,000.00	7,696.00	19,004.86	7,696.00	311.03	313.53	-90.05	54.14	-11,815.15	1,227.72	604.25	623.47	1.969		
19,100.00	7,696.00	19,104.82	7,696.00	313.72	316.21	-90.05	62.42	-11,914.77	1,224.93	596.07	628.85	1.948		
19,200.00	7,696.00	19,204.78	7,696.00	316.41	318.90	-90.05	70.70	-12,014.39	1,222.13	587.89	634.24	1.927		
19,300.00	7,696.00	19,304.74	7,696.00	319.10	321.59	-90.05	78.98	-12,114.01	1,219.33	579.71	639.63	1.906		
19,400.00	7,696.00	19,404.70	7,696.00	321.80	324.27	-90.05	87.26	-12,213.62	1,216.54	571.52	645.01	1.886		
19,500.00	7,696.00	19,504.67	7,696.00	324.49	326.96	-90.05	95.54	-12,313.24	1,213.74	563.34	650.40	1.866		
19,600.00	7,696.00	19,604.63	7,696.00	327.18	329.65	-90.05	103.82	-12,412.86	1,210.94	555.16	655.78	1.847		
19,700.00	7,696.00	19,704.59	7,696.00	329.88	332.34	-90.05	112.09	-12,512.48	1,208.14	546.97	661.17	1.827		
19,800.00	7,696.00	19,804.55	7,696.00	332.57	335.02	-90.05	120.37	-12,612.09	1,205.35	538.79	666.56	1.808		
19,900.00	7,696.00	19,904.51	7,696.00	335.26	337.71	-90.05	128.65	-12,711.71	1,202.55	530.60	671.95	1.790		
20,000.00	7,696.00	20,004.47	7,696.00	337.96	340.40	-90.05	136.93	-12,811.33	1,199.75	522.42	677.34	1.771		
20,100.00	7,696.00	20,104.43	7,696.00	340.65	343.09	-90.05	145.21	-12,910.95	1,196.96	514.23	682.72	1.753		
20,200.00	7,696.00	20,204.39	7,696.00	343.34	345.78	-90.05	153.49	-13,010.56	1,194.16	506.05	688.11	1.735		
20,300.00	7,696.00	20,304.35	7,696.00	346.04	348.47	-90.05	161.77	-13,110.18	1,191.36	497.86	693.50	1.718		
20,400.00	7,696.00	20,404.31	7,696.00	348.73	351.16	-90.05	170.04	-13,209.80	1,188.57	489.68	698.89	1.701		
20,500.00	7,696.00	20,504.27	7,696.00	351.43	353.85	-90.05	178.32	-13,309.42	1,185.77	481.49	704.28	1.684		
20,600.00	7,696.00	20,604.24	7,696.00	354.12	356.54	-90.05	186.60	-13,409.03	1,182.97	473.30	709.67	1.667		
20,700.00	7,696.00	20,704.20	7,696.00	356.82	359.23	-90.05	194.88	-13,508.65	1,180.18	465.12	715.06	1.650		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,800.00	7,696.00	20,804.16	7,696.00	359.51	361.92	-90.05	203.16	-13,608.27	1,177.38	456.93	720.45	1.634		
20,900.00	7,696.00	20,904.12	7,696.00	362.21	364.61	-90.05	211.44	-13,707.89	1,174.58	448.74	725.84	1.618		
21,000.00	7,696.00	21,004.08	7,696.00	364.90	367.30	-90.05	219.72	-13,807.50	1,171.79	440.55	731.23	1.602		
21,100.00	7,696.00	21,104.04	7,696.00	367.60	370.00	-90.05	228.00	-13,907.12	1,168.99	432.36	736.63	1.587		
21,200.00	7,696.00	21,204.00	7,696.00	370.29	372.69	-90.05	236.27	-14,006.74	1,166.19	424.18	742.02	1.572		
21,300.00	7,696.00	21,303.96	7,696.00	372.99	375.38	-90.05	244.55	-14,106.36	1,163.40	415.99	747.41	1.557		
21,400.00	7,696.00	21,403.92	7,696.00	375.68	378.07	-90.05	252.83	-14,205.97	1,160.60	407.80	752.80	1.542		
21,500.00	7,696.00	21,503.88	7,696.00	378.38	380.76	-90.05	261.11	-14,305.59	1,157.80	399.61	758.19	1.527		
21,600.00	7,696.00	21,603.84	7,696.00	381.08	383.46	-90.05	269.39	-14,405.21	1,155.01	391.42	763.59	1.513		
21,700.00	7,696.00	21,703.81	7,696.00	383.77	386.15	-90.05	277.67	-14,504.83	1,152.21	383.23	768.98	1.498 Level 3		
21,800.00	7,696.00	21,803.77	7,696.00	386.47	388.84	-90.05	285.95	-14,604.44	1,149.41	375.04	774.37	1.484 Level 3		
21,900.00	7,696.00	21,903.73	7,696.00	389.17	391.53	-90.05	294.22	-14,704.06	1,146.62	366.85	779.77	1.470 Level 3		
22,000.00	7,696.00	22,003.69	7,696.00	391.86	394.23	-90.05	302.50	-14,803.68	1,143.82	358.66	785.16	1.457 Level 3		
22,100.00	7,696.00	22,103.65	7,696.00	394.56	396.92	-90.05	310.78	-14,903.30	1,141.02	350.47	790.55	1.443 Level 3		
22,200.00	7,696.00	22,203.61	7,696.00	397.25	399.61	-90.05	319.06	-15,002.91	1,138.23	342.28	795.95	1.430 Level 3		
22,300.00	7,696.00	22,303.57	7,696.00	399.95	402.31	-90.05	327.34	-15,102.53	1,135.43	334.09	801.34	1.417 Level 3		
22,400.00	7,696.00	22,403.53	7,696.00	402.65	405.00	-90.05	335.62	-15,202.15	1,132.63	325.90	806.74	1.404 Level 3		
22,500.00	7,696.00	22,503.49	7,696.00	405.35	407.70	-90.05	343.90	-15,301.77	1,129.84	317.70	812.13	1.391 Level 3		
22,600.00	7,696.00	22,603.45	7,696.00	408.04	410.39	-90.05	352.18	-15,401.38	1,127.04	309.51	817.53	1.379 Level 3		
22,700.00	7,696.00	22,703.41	7,696.00	410.74	413.08	-90.05	360.45	-15,501.00	1,124.24	301.32	822.92	1.366 Level 3		
22,800.00	7,696.00	22,803.37	7,696.00	413.44	415.78	-90.05	368.73	-15,600.62	1,121.44	293.13	828.32	1.354 Level 3		
22,900.00	7,696.00	22,903.34	7,696.00	416.13	418.47	-90.05	377.01	-15,700.24	1,118.65	284.94	833.71	1.342 Level 3		
23,000.00	7,696.00	23,003.30	7,696.00	418.83	421.17	-90.05	385.29	-15,799.85	1,115.85	276.74	839.11	1.330 Level 3		
23,100.00	7,696.00	23,103.26	7,696.00	421.53	423.86	-90.05	393.57	-15,899.47	1,113.05	268.55	844.50	1.318 Level 3		
23,200.00	7,696.00	23,203.22	7,696.00	424.23	426.56	-90.05	401.85	-15,999.09	1,110.26	260.36	849.90	1.306 Level 3		
23,300.00	7,696.00	23,303.18	7,696.00	426.92	429.25	-90.05	410.13	-16,098.71	1,107.46	252.17	855.29	1.295 Level 3		
23,400.00	7,696.00	23,403.14	7,696.00	429.62	431.95	-90.05	418.41	-16,198.32	1,104.66	243.97	860.69	1.283 Level 3		
23,500.00	7,696.00	23,503.10	7,696.00	432.32	434.64	-90.05	426.68	-16,297.94	1,101.87	235.78	866.09	1.272 Level 3		
23,600.00	7,696.00	23,603.06	7,696.00	435.02	437.34	-90.05	434.96	-16,397.56	1,099.07	227.59	871.48	1.261 Level 3		
23,700.00	7,696.00	23,703.02	7,696.00	437.72	440.04	-90.05	443.24	-16,497.18	1,096.27	219.39	876.88	1.250 Level 3		
23,800.00	7,696.00	23,802.98	7,696.00	440.41	442.73	-90.05	451.52	-16,596.79	1,093.48	211.20	882.28	1.239 Level 2		
23,900.00	7,696.00	23,902.94	7,696.00	443.11	445.43	-90.05	459.80	-16,696.41	1,090.68	203.01	887.67	1.229 Level 2		
24,000.00	7,696.00	24,002.91	7,696.00	445.81	448.12	-90.05	468.08	-16,796.03	1,087.88	194.81	893.07	1.218 Level 2		
24,100.00	7,696.00	24,102.87	7,696.00	448.51	450.82	-90.05	476.36	-16,895.65	1,085.09	186.62	898.47	1.208 Level 2		
24,200.00	7,696.00	24,202.83	7,696.00	451.21	453.52	-90.05	484.63	-16,995.26	1,082.29	178.43	903.86	1.197 Level 2		
24,300.00	7,696.00	24,302.79	7,696.00	453.91	456.21	-90.05	492.91	-17,094.88	1,079.49	170.23	909.26	1.187 Level 2		
24,400.00	7,696.00	24,402.75	7,696.00	456.60	458.91	-90.05	501.19	-17,194.50	1,076.70	162.04	914.66	1.177 Level 2		
24,500.00	7,696.00	24,502.71	7,696.00	459.30	461.61	-90.05	509.47	-17,294.12	1,073.90	153.84	920.06	1.167 Level 2		
24,600.00	7,696.00	24,602.67	7,696.00	462.00	464.30	-90.05	517.75	-17,393.73	1,071.10	145.65	925.46	1.157 Level 2		
24,700.00	7,696.00	24,702.63	7,696.00	464.70	467.00	-90.05	526.03	-17,493.35	1,068.31	137.45	930.85	1.148 Level 2		
24,800.00	7,696.00	24,802.59	7,696.00	467.40	469.70	-90.05	534.31	-17,592.97	1,065.51	129.26	936.25	1.138 Level 2		
24,900.00	7,696.00	24,902.55	7,696.00	470.10	472.39	-90.05	542.59	-17,692.59	1,062.71	121.06	941.65	1.129 Level 2		
25,000.00	7,696.00	25,002.51	7,696.00	472.80	475.09	-90.05	550.86	-17,792.20	1,059.92	112.87	947.05	1.119 Level 2		
25,100.00	7,696.00	25,102.48	7,696.00	475.50	477.79	-90.05	559.14	-17,891.82	1,057.12	104.67	952.45	1.110 Level 2		
25,200.00	7,696.00	25,202.44	7,696.00	478.19	480.48	-90.05	567.42	-17,991.44	1,054.32	96.48	957.85	1.101 Level 2		
25,300.00	7,696.00	25,302.40	7,696.00	480.89	483.18	-90.05	575.70	-18,091.06	1,051.53	88.28	963.24	1.092 Level 2		
25,400.00	7,696.00	25,402.36	7,696.00	483.59	485.88	-90.05	583.98	-18,190.67	1,048.73	80.09	968.64	1.083 Level 2		
25,500.00	7,696.00	25,502.32	7,696.00	486.29	488.58	-90.05	592.26	-18,290.29	1,045.93	71.89	974.04	1.074 Level 2		
25,600.00	7,696.00	25,602.28	7,696.00	488.99	491.27	-90.05	600.54	-18,389.91	1,043.14	63.69	979.44	1.065 Level 2		
25,700.00	7,696.00	25,702.24	7,696.00	491.69	493.97	-90.06	608.81	-18,489.53	1,040.34	55.50	984.84	1.056 Level 2		
25,800.00	7,696.00	25,802.20	7,696.00	494.39	496.67	-90.06	617.09	-18,589.14	1,037.54	47.30	990.24	1.048 Level 2		
25,900.00	7,696.00	25,902.16	7,696.00	497.09	499.37	-90.06	625.37	-18,688.76	1,034.74	39.11	995.64	1.039 Level 2		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3AH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth Depth (usft)	Vertical Depth (usft)	Measured Depth 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)	Minimum Separation (usft)	Separation Factor		
26,000.00	7,696.00	26,002.12	7,696.00	499.79	502.07	-90.06	633.65	-18,788.38	1,031.95	30.91	1,001.04	1.031	Level 2	
26,100.00	7,696.00	26,102.08	7,696.00	502.49	504.76	-90.06	641.93	-18,888.00	1,029.15	22.71	1,006.44	1.023	Level 2	
26,200.00	7,696.00	26,202.04	7,696.00	505.19	507.46	-90.06	650.21	-18,987.61	1,026.35	14.52	1,011.84	1.014	Level 2	
26,300.00	7,696.00	26,302.01	7,696.00	507.89	510.16	-90.06	658.49	-19,087.23	1,023.56	6.32	1,017.24	1.006	Level 2	
26,400.00	7,696.00	26,401.97	7,696.00	510.59	512.86	-90.06	666.77	-19,186.85	1,020.76	-1.88	1,022.64	0.998	Level 1	
26,500.00	7,696.00	26,501.93	7,696.00	513.29	515.56	-90.06	675.04	-19,286.47	1,017.96	-10.07	1,028.04	0.990	Level 1	
26,600.00	7,696.00	26,601.89	7,696.00	515.99	518.26	-90.06	683.32	-19,386.08	1,015.17	-18.27	1,033.44	0.982	Level 1	
26,700.00	7,696.00	26,701.85	7,696.00	518.69	520.95	-90.06	691.60	-19,485.70	1,012.37	-26.47	1,038.84	0.975	Level 1	
26,800.00	7,696.00	26,801.81	7,696.00	521.39	523.65	-90.06	699.88	-19,585.32	1,009.57	-34.66	1,044.24	0.967	Level 1	
26,900.00	7,696.00	26,901.77	7,696.00	524.09	526.35	-90.06	708.16	-19,684.94	1,006.78	-42.86	1,049.64	0.959	Level 1	
27,000.00	7,696.00	27,001.73	7,696.00	526.79	529.05	-90.06	716.44	-19,784.55	1,003.98	-51.06	1,055.04	0.952	Level 1	
27,100.00	7,696.00	27,101.69	7,696.00	529.49	531.75	-90.06	724.72	-19,884.17	1,001.18	-59.26	1,060.44	0.944	Level 1	
27,200.00	7,696.00	27,201.65	7,696.00	532.19	534.45	-90.06	733.00	-19,983.79	998.39	-67.45	1,065.84	0.937	Level 1	
27,300.00	7,696.00	27,301.61	7,696.00	534.89	537.15	-90.06	741.27	-20,083.41	995.59	-75.65	1,071.24	0.929	Level 1	
27,400.00	7,696.00	27,401.58	7,696.00	537.59	539.85	-90.06	749.55	-20,183.02	992.79	-83.85	1,076.64	0.922	Level 1	
27,500.00	7,696.00	27,501.54	7,696.00	540.29	542.55	-90.06	757.83	-20,282.64	990.00	-92.05	1,082.04	0.915	Level 1	
27,600.00	7,696.00	27,601.50	7,696.00	542.99	545.25	-90.06	766.11	-20,382.26	987.20	-100.24	1,087.44	0.908	Level 1	
27,700.00	7,696.00	27,701.46	7,696.00	545.69	547.94	-90.06	774.39	-20,481.88	984.40	-108.44	1,092.84	0.901	Level 1	
27,800.00	7,696.00	27,801.42	7,696.00	548.39	550.64	-90.06	782.67	-20,581.49	981.61	-116.64	1,098.25	0.894	Level 1	
27,900.00	7,696.00	27,901.38	7,696.00	551.09	553.34	-90.06	790.95	-20,681.11	978.81	-124.84	1,103.65	0.887	Level 1	
28,000.00	7,696.00	28,001.34	7,696.00	553.79	556.04	-90.06	799.22	-20,780.73	976.01	-133.04	1,109.05	0.880	Level 1	
28,100.00	7,696.00	28,101.30	7,696.00	556.49	558.74	-90.06	807.50	-20,880.35	973.22	-141.23	1,114.45	0.873	Level 1	
28,200.00	7,696.00	28,201.26	7,696.00	559.19	561.44	-90.06	815.78	-20,979.96	970.42	-149.43	1,119.85	0.867	Level 1	
28,300.00	7,696.00	28,301.22	7,696.00	561.89	564.14	-90.06	824.06	-21,079.58	967.62	-157.63	1,125.25	0.860	Level 1	
28,400.00	7,696.00	28,401.18	7,696.00	564.59	566.84	-90.06	832.34	-21,179.20	964.83	-165.83	1,130.65	0.853	Level 1	
28,500.00	7,696.00	28,501.15	7,696.00	567.29	569.54	-90.06	840.62	-21,278.82	962.03	-174.03	1,136.06	0.847	Level 1	
28,600.00	7,696.00	28,591.82	7,696.00	569.99	571.99	-90.06	848.13	-21,369.18	959.28	-182.27	1,141.55	0.840	Level 1	
28,617.54	7,696.00	28,591.82	7,696.00	570.46	571.99	-90.06	848.13	-21,369.18	959.12	-183.28	1,142.40	0.840	Level 1, ES, SF	
28,656.21	7,696.00	28,591.82	7,696.00	571.51	571.99	-90.06	848.13	-21,369.18	959.90	-183.03	1,142.92	0.840	Level 1	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	0.00	0.00	89.66	0.36	60.18	60.18				
100.00	100.00	102.00	98.00	0.13	0.14	89.66	0.36	60.18	60.18	59.90	0.28	218.015	
200.00	200.00	202.00	198.00	0.49	0.50	89.66	0.36	60.18	60.18	59.18	0.99	60.604	
300.00	300.00	302.00	298.00	0.85	0.86	89.66	0.36	60.18	60.18	58.47	1.71	35.193 CC	
400.00	399.98	402.02	397.98	1.21	1.22	104.94	0.36	60.18	60.60	58.18	2.43	24.977 ES	
500.00	499.84	497.84	497.84	1.57	1.56	109.57	0.36	60.18	62.16	59.03	3.13	19.858	
600.00	599.45	598.03	598.01	1.94	1.90	118.14	-1.11	59.37	65.17	61.33	3.84	16.970	
700.00	698.70	697.00	696.85	2.32	2.24	130.64	-5.57	56.90	71.40	66.86	4.55	15.697	
800.00	797.47	808.83	793.60	2.72	2.63	144.26	-12.84	52.89	83.85	78.52	5.32	15.750	
900.00	896.03	909.17	889.78	3.14	3.00	155.45	-21.73	47.97	101.78	95.74	6.05	16.829	
1,000.00	994.59	987.54	985.95	3.57	3.29	163.18	-30.62	43.06	122.41	115.72	6.69	18.305	
1,100.00	1,093.16	1,084.25	1,082.13	4.00	3.66	168.65	-39.51	38.15	144.58	137.19	7.39	19.552	
1,200.00	1,191.72	1,180.96	1,178.30	4.44	4.03	172.66	-48.41	33.23	167.68	159.58	8.10	20.691	
1,300.00	1,290.28	1,277.67	1,274.48	4.88	4.40	175.69	-57.30	28.32	191.38	182.56	8.82	21.705	
1,400.00	1,388.84	1,374.38	1,370.65	5.32	4.78	178.06	-66.19	23.41	215.47	205.94	9.53	22.603	
1,500.00	1,487.40	1,471.09	1,466.83	5.76	5.16	179.95	-75.08	18.50	239.84	229.59	10.25	23.398	
1,600.00	1,585.96	1,567.80	1,563.00	6.20	5.54	-178.51	-83.97	13.58	264.42	253.45	10.97	24.103	
1,700.00	1,684.52	1,664.51	1,659.18	6.65	5.92	-177.23	-92.86	8.67	289.14	277.45	11.69	24.730	
1,800.00	1,783.09	1,761.22	1,755.35	7.09	6.30	-176.15	-101.76	3.76	313.98	301.56	12.42	25.290	
1,900.00	1,881.65	1,857.93	1,851.52	7.54	6.68	-175.23	-110.65	-1.16	338.91	325.77	13.14	25.793	
2,000.00	1,980.21	1,954.63	1,947.70	7.99	7.07	-174.43	-119.54	-6.07	363.90	350.04	13.86	26.247	
2,100.00	2,078.77	2,051.34	2,043.87	8.43	7.45	-173.74	-128.43	-10.98	388.96	374.37	14.59	26.657	
2,200.00	2,177.33	2,148.05	2,140.05	8.88	7.84	-173.13	-137.32	-15.89	414.06	398.75	15.32	27.031	
2,300.00	2,275.89	2,244.76	2,236.22	9.33	8.22	-172.59	-146.21	-20.81	439.21	423.16	16.05	27.371	
2,400.00	2,374.45	2,341.47	2,332.40	9.78	8.61	-172.11	-155.10	-25.72	464.38	447.61	16.77	27.684	
2,500.00	2,473.02	2,438.18	2,428.57	10.23	8.99	-171.68	-164.00	-30.63	489.58	472.08	17.50	27.970	
2,600.00	2,571.58	2,534.89	2,524.75	10.67	9.38	-171.29	-172.89	-35.54	514.81	496.58	18.23	28.235	
2,700.00	2,670.14	2,631.60	2,620.92	11.12	9.77	-170.94	-181.78	-40.46	540.05	521.09	18.96	28.479	
2,800.00	2,768.70	2,728.31	2,717.10	11.57	10.15	-170.61	-190.67	-45.37	565.32	545.62	19.69	28.706	
2,900.00	2,867.26	2,825.02	2,813.27	12.02	10.54	-170.32	-199.56	-50.28	590.60	570.17	20.42	28.917	
3,000.00	2,965.82	2,921.73	2,909.45	12.47	10.93	-170.05	-208.45	-55.20	615.89	594.73	21.15	29.113	
3,100.00	3,064.38	3,018.44	3,005.62	12.92	11.32	-169.80	-217.35	-60.11	641.19	619.31	21.89	29.297	
3,200.00	3,162.95	3,115.15	3,101.79	13.37	11.70	-169.57	-226.24	-65.02	666.51	643.89	22.62	29.468	
3,300.00	3,261.51	3,211.86	3,197.97	13.82	12.09	-169.36	-235.13	-69.93	691.83	668.48	23.35	29.629	
3,400.00	3,360.07	3,308.57	3,294.14	14.27	12.48	-169.16	-244.02	-74.85	717.16	693.08	24.08	29.780	
3,500.00	3,458.63	3,405.28	3,390.32	14.72	12.87	-168.98	-252.91	-79.76	742.50	717.69	24.81	29.923	
3,600.00	3,557.19	3,501.99	3,486.49	15.17	13.26	-168.80	-261.80	-84.67	767.85	742.30	25.55	30.057	
3,700.00	3,655.75	3,601.30	3,582.67	15.62	13.65	-168.64	-270.69	-89.59	793.20	766.91	26.29	30.173	
3,800.00	3,754.32	3,704.59	3,678.84	16.07	14.07	-168.49	-279.59	-94.50	818.56	791.51	27.05	30.265	
3,900.00	3,852.88	3,807.88	3,775.02	16.52	14.48	-168.35	-288.48	-99.41	843.92	816.12	27.80	30.353	
4,000.00	3,951.44	3,888.83	3,871.19	16.97	14.81	-168.22	-297.37	-104.32	869.29	840.81	28.48	30.525	
4,100.00	4,050.00	3,985.54	3,967.37	17.42	15.20	-168.09	-306.26	-109.24	894.66	865.45	29.21	30.627	
4,200.00	4,148.56	4,082.25	4,063.54	17.87	15.59	-167.97	-315.15	-114.15	920.03	890.09	29.94	30.724	
4,300.00	4,247.12	4,178.96	4,159.72	18.32	15.97	-167.86	-324.04	-119.06	945.41	914.73	30.68	30.817	
4,400.00	4,345.68	4,275.67	4,255.89	18.77	16.36	-167.75	-332.94	-123.97	970.80	939.38	31.41	30.905	
4,500.00	4,444.25	4,372.38	4,352.06	19.22	16.75	-167.65	-341.83	-128.89	996.18	964.03	32.15	30.989	
4,600.00	4,542.81	4,469.08	4,448.24	19.67	17.14	-167.55	-350.72	-133.80	1,021.57	988.69	32.88	31.070	
4,700.00	4,641.37	4,565.79	4,544.41	20.12	17.53	-167.46	-359.61	-138.71	1,046.96	1,013.35	33.61	31.146	
4,800.00	4,739.93	4,662.50	4,640.59	20.57	17.92	-167.37	-368.50	-143.63	1,072.35	1,038.00	34.35	31.220	
4,900.00	4,838.49	4,759.21	4,736.76	21.02	18.31	-167.29	-377.39	-148.54	1,097.75	1,062.66	35.08	31.290	
5,000.00	4,937.05	4,855.92	4,832.94	21.47	18.70	-167.21	-386.28	-153.45	1,123.14	1,087.33	35.82	31.358	
5,100.00	5,035.61	4,952.63	4,929.11	21.92	19.08	-167.13	-395.18	-158.36	1,148.54	1,111.99	36.55	31.422	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	5,049.34	5,025.29	22.38	19.47	-167.06	-404.07	-163.28	1,173.94	1,136.66	37.29	31.484		
5,300.00	5,232.74	5,146.05	5,121.46	22.83	19.86	-166.99	-412.96	-168.19	1,199.35	1,161.33	38.02	31.544		
5,400.00	5,331.30	5,242.76	5,217.64	23.28	20.25	-166.92	-421.85	-173.10	1,224.75	1,186.00	38.76	31.601		
5,500.00	5,429.86	5,339.47	5,313.81	23.73	20.64	-166.86	-430.74	-178.02	1,250.16	1,210.67	39.49	31.657		
5,600.00	5,528.42	5,436.18	5,409.99	24.18	21.03	-166.80	-439.63	-182.93	1,275.56	1,235.34	40.23	31.710		
5,700.00	5,626.98	5,532.89	5,506.16	24.63	21.42	-166.74	-448.53	-187.84	1,300.97	1,260.01	40.96	31.761		
5,800.00	5,725.54	5,629.60	5,602.33	25.08	21.81	-166.68	-457.42	-192.75	1,326.38	1,284.69	41.70	31.810		
5,900.00	5,824.11	5,726.31	5,698.51	25.53	22.20	-166.63	-466.31	-197.67	1,351.79	1,309.36	42.43	31.858		
6,000.00	5,922.67	5,823.02	5,794.68	25.98	22.59	-166.57	-475.20	-202.58	1,377.21	1,334.04	43.17	31.904		
6,100.00	6,021.23	5,919.73	5,890.86	26.43	22.98	-166.52	-484.09	-207.49	1,402.62	1,358.72	43.90	31.948		
6,200.00	6,119.79	6,016.44	5,987.03	26.88	23.37	-166.47	-492.98	-212.40	1,428.03	1,383.39	44.64	31.991		
6,300.00	6,218.35	6,113.15	6,083.21	27.33	23.75	-166.43	-501.87	-217.32	1,453.45	1,408.07	45.38	32.032		
6,400.00	6,316.91	6,209.86	6,179.38	27.78	24.14	-166.38	-510.77	-222.23	1,478.86	1,432.75	46.11	32.072		
6,500.00	6,415.48	6,306.57	6,275.56	28.23	24.53	-166.34	-519.66	-227.14	1,504.28	1,457.43	46.85	32.110		
6,600.00	6,514.04	6,403.28	6,371.73	28.69	24.92	-166.29	-528.55	-232.06	1,529.70	1,482.12	47.58	32.148		
6,700.00	6,612.60	6,499.99	6,467.91	29.14	25.31	-166.25	-537.44	-236.97	1,555.12	1,506.80	48.32	32.184		
6,800.00	6,711.16	6,603.30	6,564.08	29.59	25.73	-166.21	-546.33	-241.88	1,580.54	1,531.46	49.08	32.203		
6,900.00	6,809.72	6,706.59	6,660.25	30.04	26.14	-166.17	-555.22	-246.79	1,605.96	1,556.11	49.84	32.221		
7,000.00	6,908.28	6,809.88	6,756.43	30.49	26.56	-166.14	-564.12	-251.71	1,631.38	1,580.77	50.60	32.239		
7,100.00	7,006.84	6,886.83	6,852.60	30.94	26.87	-166.10	-573.01	-256.62	1,656.80	1,605.53	51.27	32.318		
7,200.00	7,105.41	6,983.53	6,948.78	31.39	27.26	-166.07	-581.90	-261.53	1,682.22	1,630.22	52.00	32.349		
7,300.00	7,203.81	7,080.20	7,044.91	31.85	27.65	-140.75	-590.79	-266.44	1,707.62	1,654.88	52.74	32.376		
7,400.00	7,300.02	7,175.49	7,139.67	32.33	28.03	-115.60	-599.55	-271.28	1,732.67	1,679.16	53.51	32.380		
7,500.00	7,391.09	7,275.42	7,238.42	32.83	28.45	-104.86	-608.65	-282.67	1,756.89	1,702.51	54.38	32.310		
7,600.00	7,474.26	7,382.40	7,340.27	33.35	28.94	-98.99	-617.96	-313.52	1,779.51	1,724.11	55.40	32.121		
7,700.00	7,546.99	7,496.72	7,440.77	33.90	29.51	-95.32	-627.05	-366.85	1,799.77	1,743.14	56.62	31.785		
7,800.00	7,607.07	7,619.15	7,534.43	34.51	30.20	-92.92	-635.41	-444.89	1,816.92	1,758.78	58.14	31.252		
7,900.00	7,652.68	7,749.72	7,613.72	35.20	31.06	-91.38	-642.34	-548.02	1,830.24	1,770.18	60.06	30.475		
8,000.00	7,682.43	7,887.23	7,669.89	36.00	32.22	-90.48	-647.03	-673.09	1,839.10	1,776.58	62.51	29.419		
8,100.00	7,695.43	8,029.10	7,695.10	36.92	33.73	-90.09	-648.79	-812.33	1,843.03	1,777.52	65.50	28.137		
8,200.00	7,696.00	8,138.75	7,696.00	37.98	35.13	-90.06	-648.42	-921.96	1,843.29	1,774.90	68.39	26.953		
8,300.00	7,696.00	8,238.75	7,696.00	39.21	36.57	-90.06	-648.01	-1,021.96	1,843.40	1,771.98	71.42	25.810		
8,400.00	7,696.00	8,338.75	7,696.00	40.59	38.15	-90.06	-647.60	-1,121.96	1,843.52	1,768.79	74.72	24.672		
8,500.00	7,696.00	8,438.75	7,696.00	42.11	39.86	-90.06	-647.19	-1,221.96	1,843.63	1,765.37	78.25	23.559		
8,600.00	7,696.00	8,538.75	7,696.00	43.76	41.68	-90.06	-646.78	-1,321.96	1,843.74	1,761.75	81.99	22.487		
8,700.00	7,696.00	8,638.75	7,696.00	45.51	43.59	-90.06	-646.37	-1,421.96	1,843.85	1,757.95	85.90	21.465		
8,800.00	7,696.00	8,738.75	7,696.00	47.37	45.59	-90.06	-645.96	-1,521.96	1,843.96	1,754.00	89.97	20.496		
8,900.00	7,696.00	8,838.75	7,696.00	49.31	47.66	-90.06	-645.55	-1,621.96	1,844.08	1,749.91	94.16	19.583		
9,000.00	7,696.00	8,938.75	7,696.00	51.33	49.78	-90.06	-645.14	-1,721.95	1,844.19	1,745.71	98.48	18.727		
9,100.00	7,696.00	9,038.96	7,696.00	53.41	51.98	-90.06	-644.71	-1,822.16	1,844.29	1,741.39	102.90	17.923		
9,200.00	7,696.00	9,138.96	7,696.00	55.54	54.21	-90.06	-644.29	-1,922.16	1,844.39	1,736.99	107.41	17.172		
9,300.00	7,696.00	9,238.96	7,696.00	57.73	56.48	-90.06	-643.87	-2,022.16	1,844.49	1,732.50	111.99	16.470		
9,400.00	7,696.00	9,338.96	7,696.00	59.96	58.79	-90.06	-643.45	-2,122.15	1,844.59	1,727.95	116.64	15.814		
9,500.00	7,696.00	9,438.96	7,696.00	62.23	61.14	-90.06	-643.03	-2,222.15	1,844.69	1,723.33	121.36	15.200		
9,600.00	7,696.00	9,538.96	7,696.00	64.54	63.51	-90.06	-642.60	-2,322.15	1,844.80	1,718.67	126.13	14.626		
9,700.00	7,696.00	9,638.96	7,696.00	66.87	65.91	-90.06	-642.18	-2,422.15	1,844.90	1,713.95	130.95	14.089		
9,800.00	7,696.00	9,738.96	7,696.00	69.23	68.33	-90.06	-641.76	-2,522.15	1,845.00	1,709.19	135.81	13.585		
9,900.00	7,696.00	9,838.96	7,696.00	71.62	70.77	-90.06	-641.34	-2,622.15	1,845.10	1,704.39	140.71	13.113		
10,000.00	7,696.00	9,938.96	7,696.00	74.03	73.22	-90.06	-640.92	-2,722.15	1,845.20	1,699.56	145.64	12.669		
10,100.00	7,696.00	10,038.96	7,696.00	76.46	75.70	-90.06	-640.49	-2,822.15	1,845.30	1,694.69	150.61	12.252		
10,200.00	7,696.00	10,138.96	7,696.00	78.91	78.19	-90.06	-640.07	-2,922.15	1,845.40	1,689.80	155.60	11.860		
10,300.00	7,696.00	10,238.96	7,696.00	81.37	80.69	-90.06	-639.65	-3,022.15	1,845.50	1,684.88	160.62	11.490		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,696.00	10,338.96	7,696.00	83.85	83.21	-90.06	-639.23	-3,122.14	1,845.60	1,679.93	165.67	11.140		
10,500.00	7,696.00	10,438.96	7,696.00	86.34	85.73	-90.06	-638.81	-3,222.14	1,845.70	1,674.97	170.73	10.811		
10,600.00	7,696.00	10,538.96	7,696.00	88.84	88.27	-90.06	-638.38	-3,322.14	1,845.80	1,669.99	175.82	10.498		
10,700.00	7,696.00	10,638.96	7,696.00	91.36	90.82	-90.06	-637.96	-3,422.14	1,845.90	1,664.99	180.92	10.203		
10,800.00	7,696.00	10,738.96	7,696.00	93.88	93.37	-90.06	-637.54	-3,522.14	1,846.01	1,659.97	186.04	9.923		
10,900.00	7,696.00	10,838.96	7,696.00	96.42	95.93	-90.06	-637.12	-3,622.14	1,846.11	1,654.93	191.17	9.657		
11,000.00	7,696.00	10,938.96	7,696.00	98.96	98.50	-90.06	-636.70	-3,722.14	1,846.21	1,649.89	196.32	9.404		
11,100.00	7,696.00	11,038.96	7,696.00	101.51	101.08	-90.06	-636.27	-3,822.14	1,846.31	1,644.83	201.48	9.164		
11,200.00	7,696.00	11,138.96	7,696.00	104.07	103.66	-90.06	-635.85	-3,922.14	1,846.41	1,639.76	206.65	8.935		
11,300.00	7,696.00	11,238.96	7,696.00	106.64	106.25	-90.06	-635.43	-4,022.14	1,846.51	1,634.67	211.84	8.717		
11,400.00	7,696.00	11,338.96	7,696.00	109.21	108.84	-90.06	-635.01	-4,122.14	1,846.61	1,629.58	217.03	8.509		
11,500.00	7,696.00	11,438.96	7,696.00	111.79	111.44	-90.06	-634.59	-4,222.13	1,846.71	1,624.48	222.23	8.310		
11,600.00	7,696.00	11,538.96	7,696.00	114.37	114.05	-90.06	-634.16	-4,322.13	1,846.81	1,619.37	227.45	8.120		
11,700.00	7,696.00	11,638.96	7,696.00	116.96	116.65	-90.06	-633.74	-4,422.13	1,846.91	1,614.25	232.67	7.938		
11,800.00	7,696.00	11,738.96	7,696.00	119.56	119.26	-90.06	-633.32	-4,522.13	1,847.01	1,609.12	237.89	7.764		
11,900.00	7,696.00	11,838.96	7,696.00	122.16	121.88	-90.06	-632.90	-4,622.13	1,847.11	1,603.99	243.13	7.597		
12,000.00	7,696.00	11,938.87	7,696.00	124.76	124.50	-90.06	-632.48	-4,722.04	1,847.22	1,598.85	248.37	7.437		
12,100.00	7,696.00	12,038.87	7,696.00	127.37	127.12	-90.06	-632.06	-4,822.04	1,847.32	1,593.71	253.62	7.284		
12,200.00	7,696.00	12,138.87	7,696.00	129.98	129.74	-90.06	-631.64	-4,922.04	1,847.43	1,588.56	258.87	7.136		
12,300.00	7,696.00	12,238.87	7,696.00	132.59	132.37	-90.06	-631.23	-5,022.04	1,847.53	1,583.40	264.13	6.995		
12,400.00	7,696.00	12,338.87	7,696.00	135.21	135.00	-90.06	-630.81	-5,122.04	1,847.64	1,578.24	269.40	6.858		
12,500.00	7,696.00	12,438.87	7,696.00	137.83	137.63	-90.06	-630.39	-5,222.04	1,847.74	1,573.08	274.67	6.727		
12,600.00	7,696.00	12,538.87	7,696.00	140.45	140.27	-90.06	-629.97	-5,322.04	1,847.85	1,567.91	279.94	6.601		
12,700.00	7,696.00	12,638.87	7,696.00	143.08	142.91	-90.06	-629.56	-5,422.04	1,847.96	1,562.74	285.22	6.479		
12,800.00	7,696.00	12,738.87	7,696.00	145.71	145.55	-90.06	-629.14	-5,522.04	1,848.06	1,557.56	290.50	6.362		
12,900.00	7,696.00	12,838.87	7,696.00	148.34	148.19	-90.06	-628.72	-5,622.04	1,848.17	1,552.38	295.79	6.248		
13,000.00	7,696.00	12,938.87	7,696.00	150.97	150.83	-90.06	-628.30	-5,722.03	1,848.27	1,547.19	301.08	6.139		
13,100.00	7,696.00	13,038.87	7,696.00	153.61	153.48	-90.06	-627.89	-5,822.03	1,848.38	1,542.00	306.38	6.033		
13,200.00	7,696.00	13,138.87	7,696.00	156.24	156.13	-90.06	-627.47	-5,922.03	1,848.48	1,536.81	311.67	5.931		
13,300.00	7,696.00	13,238.87	7,696.00	158.88	158.77	-90.06	-627.05	-6,022.03	1,848.59	1,531.61	316.97	5.832		
13,400.00	7,696.00	13,338.87	7,696.00	161.53	161.43	-90.06	-626.64	-6,122.03	1,848.69	1,526.42	322.28	5.736		
13,500.00	7,696.00	13,438.87	7,696.00	164.17	164.08	-90.06	-626.22	-6,222.03	1,848.80	1,521.21	327.59	5.644		
13,600.00	7,696.00	13,538.87	7,696.00	166.81	166.73	-90.06	-625.80	-6,322.03	1,848.91	1,516.01	332.90	5.554		
13,700.00	7,696.00	13,638.87	7,696.00	169.46	169.39	-90.06	-625.38	-6,422.03	1,849.01	1,510.80	338.21	5.467		
13,800.00	7,696.00	13,738.87	7,696.00	172.11	172.04	-90.06	-624.97	-6,522.03	1,849.12	1,505.59	343.52	5.383		
13,900.00	7,696.00	13,838.87	7,696.00	174.76	174.70	-90.06	-624.55	-6,622.03	1,849.22	1,500.38	348.84	5.301		
14,000.00	7,696.00	13,938.87	7,696.00	177.41	177.36	-90.06	-624.13	-6,722.03	1,849.33	1,495.17	354.16	5.222		
14,100.00	7,696.00	14,038.87	7,696.00	180.06	180.02	-90.06	-623.71	-6,822.02	1,849.43	1,489.95	359.48	5.145		
14,200.00	7,696.00	14,138.87	7,696.00	182.72	182.68	-90.06	-623.30	-6,922.02	1,849.54	1,484.73	364.81	5.070		
14,300.00	7,696.00	14,238.87	7,696.00	185.37	185.34	-90.06	-622.88	-7,022.02	1,849.64	1,479.51	370.13	4.997		
14,400.00	7,696.00	14,338.87	7,696.00	188.03	188.00	-90.06	-622.46	-7,122.02	1,849.75	1,474.29	375.46	4.927		
14,500.00	7,696.00	14,438.87	7,696.00	190.69	190.67	-90.06	-622.04	-7,222.02	1,849.85	1,469.07	380.79	4.858		
14,600.00	7,696.00	14,538.87	7,696.00	193.34	193.33	-90.06	-621.63	-7,322.02	1,849.96	1,463.84	386.12	4.791		
14,700.00	7,696.00	14,638.87	7,696.00	196.00	196.00	-90.06	-621.21	-7,422.02	1,850.07	1,458.61	391.45	4.726		
14,800.00	7,696.00	14,738.87	7,696.00	198.66	198.66	-90.06	-620.79	-7,522.02	1,850.17	1,453.38	396.79	4.663		
14,900.00	7,696.00	14,838.87	7,696.00	201.33	201.33	-90.06	-620.37	-7,622.02	1,850.28	1,448.15	402.12	4.601		
15,000.00	7,696.00	14,938.87	7,696.00	203.99	204.00	-90.06	-619.96	-7,722.02	1,850.38	1,442.92	407.46	4.541		
15,100.00	7,696.00	15,038.87	7,696.00	206.65	206.67	-90.06	-619.54	-7,822.02	1,850.49	1,437.69	412.80	4.483		
15,200.00	7,696.00	15,138.87	7,696.00	209.32	209.34	-90.06	-619.12	-7,922.01	1,850.59	1,432.45	418.14	4.426		
15,300.00	7,696.00	15,238.87	7,696.00	211.98	212.01	-90.06	-618.71	-8,022.01	1,850.70	1,427.21	423.48	4.370		
15,400.00	7,696.00	15,338.87	7,696.00	214.65	214.68	-90.06	-618.29	-8,122.01	1,850.80	1,421.98	428.83	4.316		
15,500.00	7,696.00	15,438.87	7,696.00	217.31	217.35	-90.06	-617.87	-8,222.01	1,850.91	1,416.74	434.17	4.263		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,696.00	15,538.87	7,696.00	219.98	220.02	-90.06	-617.45	-8,322.01	1,851.02	1,411.50	439.52	4.211		
15,700.00	7,696.00	15,638.87	7,696.00	222.65	222.70	-90.06	-617.04	-8,422.01	1,851.12	1,406.26	444.86	4.161		
15,800.00	7,696.00	15,738.87	7,696.00	225.32	225.37	-90.06	-616.62	-8,522.01	1,851.23	1,401.01	450.21	4.112		
15,900.00	7,696.00	15,838.87	7,696.00	227.99	228.04	-90.06	-616.20	-8,622.01	1,851.33	1,395.77	455.56	4.064		
16,000.00	7,696.00	15,938.87	7,696.00	230.66	230.72	-90.06	-615.78	-8,722.01	1,851.44	1,390.53	460.91	4.017		
16,100.00	7,696.00	16,038.87	7,696.00	233.33	233.39	-90.06	-615.37	-8,822.01	1,851.54	1,385.28	466.26	3.971		
16,200.00	7,696.00	16,138.87	7,696.00	236.00	236.07	-90.06	-614.95	-8,922.01	1,851.65	1,380.03	471.61	3.926		
16,300.00	7,696.00	16,238.87	7,696.00	238.67	238.74	-90.06	-614.53	-9,022.00	1,851.75	1,374.79	476.97	3.882		
16,400.00	7,696.00	16,338.87	7,696.00	241.34	241.42	-90.06	-614.11	-9,122.00	1,851.86	1,369.54	482.32	3.839		
16,500.00	7,696.00	16,438.87	7,696.00	244.02	244.09	-90.06	-613.70	-9,222.00	1,851.96	1,364.29	487.67	3.798		
16,600.00	7,696.00	16,538.87	7,696.00	246.69	246.77	-90.06	-613.28	-9,322.00	1,852.07	1,359.04	493.03	3.757		
16,700.00	7,696.00	16,638.87	7,696.00	249.36	249.45	-90.06	-612.86	-9,422.00	1,852.18	1,353.79	498.39	3.716		
16,800.00	7,696.00	16,738.87	7,696.00	252.04	252.13	-90.06	-612.44	-9,522.00	1,852.28	1,348.54	503.74	3.677		
16,900.00	7,696.00	16,838.87	7,696.00	254.71	254.81	-90.06	-612.03	-9,622.00	1,852.39	1,343.29	509.10	3.639		
17,000.00	7,696.00	16,938.87	7,696.00	257.39	257.48	-90.06	-611.61	-9,722.00	1,852.49	1,338.03	514.46	3.601		
17,100.00	7,696.00	17,038.87	7,696.00	260.07	260.16	-90.06	-611.19	-9,822.00	1,852.60	1,332.78	519.82	3.564		
17,200.00	7,696.00	17,138.87	7,696.00	262.74	262.84	-90.06	-610.77	-9,922.00	1,852.70	1,327.52	525.18	3.528		
17,300.00	7,696.00	17,238.87	7,696.00	265.42	265.52	-90.06	-610.36	-10,022.00	1,852.81	1,322.27	530.54	3.492		
17,400.00	7,696.00	17,338.87	7,696.00	268.10	268.20	-90.06	-609.94	-10,121.99	1,852.91	1,317.01	535.90	3.458		
17,500.00	7,696.00	17,438.87	7,696.00	270.77	270.88	-90.06	-609.52	-10,221.99	1,853.02	1,311.76	541.26	3.424		
17,600.00	7,696.00	17,538.87	7,696.00	273.45	273.56	-90.06	-609.11	-10,321.99	1,853.12	1,306.50	546.62	3.390		
17,700.00	7,696.00	17,638.87	7,696.00	276.13	276.24	-90.06	-608.69	-10,421.99	1,853.23	1,301.24	551.99	3.357		
17,800.00	7,696.00	17,738.87	7,696.00	278.81	278.93	-90.06	-608.27	-10,521.99	1,853.34	1,295.99	557.35	3.325		
17,900.00	7,696.00	17,838.87	7,696.00	281.49	281.61	-90.06	-607.85	-10,621.99	1,853.44	1,290.73	562.71	3.294		
18,000.00	7,696.00	17,938.87	7,696.00	284.17	284.29	-90.06	-607.44	-10,721.99	1,853.55	1,285.47	568.08	3.263		
18,100.00	7,696.00	18,038.87	7,696.00	286.84	286.97	-90.06	-607.02	-10,821.99	1,853.65	1,280.21	573.44	3.232		
18,200.00	7,696.00	18,138.87	7,696.00	289.52	289.65	-90.06	-606.60	-10,921.99	1,853.76	1,274.95	578.81	3.203		
18,300.00	7,696.00	18,238.87	7,696.00	292.20	292.34	-90.06	-606.18	-11,021.99	1,853.86	1,269.69	584.18	3.173		
18,400.00	7,696.00	18,338.87	7,696.00	294.89	295.02	-90.06	-605.76	-11,121.99	1,853.96	1,264.43	589.55	3.143		
18,500.00	7,696.00	18,438.87	7,696.00	297.57	297.71	-90.06	-605.35	-11,221.99	1,854.06	1,259.17	594.92	3.113		
18,600.00	7,696.00	18,538.87	7,696.00	300.26	300.40	-90.06	-604.93	-11,321.99	1,854.16	1,253.91	600.29	3.083		
18,700.00	7,696.00	18,638.87	7,696.00	302.95	303.09	-90.06	-604.51	-11,421.99	1,854.26	1,248.65	605.66	3.053		
18,800.00	7,696.00	18,738.87	7,696.00	305.64	305.78	-90.06	-604.09	-11,521.99	1,854.36	1,243.39	611.03	3.023		
18,900.00	7,696.00	18,838.87	7,696.00	308.33	308.47	-90.06	-603.67	-11,621.99	1,854.46	1,238.13	616.40	3.004		
19,000.00	7,696.00	18,938.87	7,696.00	311.03	311.17	-90.06	-603.25	-11,721.99	1,854.56	1,232.87	621.77	2.974		
19,100.00	7,696.00	19,038.87	7,696.00	313.72	313.86	-90.06	-602.83	-11,821.99	1,854.66	1,227.61	627.14	2.944		
19,200.00	7,696.00	19,138.87	7,696.00	316.41	316.55	-90.06	-602.41	-11,921.99	1,854.76	1,222.35	632.51	2.914		
19,300.00	7,696.00	19,238.87	7,696.00	319.10	319.24	-90.06	-601.99	-12,021.99	1,854.86	1,217.09	637.88	2.884		
19,400.00	7,696.00	19,338.87	7,696.00	321.80	321.94	-90.06	-601.57	-12,121.99	1,854.96	1,211.83	643.25	2.854		
19,500.00	7,696.00	19,438.87	7,696.00	324.49	324.63	-90.06	-601.15	-12,221.99	1,855.06	1,206.57	648.62	2.824		
19,600.00	7,696.00	19,538.87	7,696.00	327.18	327.32	-90.06	-600.73	-12,321.99	1,855.16	1,201.31	653.99	2.794		
19,700.00	7,696.00	19,638.87	7,696.00	329.88	330.02	-90.06	-600.31	-12,421.99	1,855.26	1,196.05	659.36	2.764		
19,800.00	7,696.00	19,738.87	7,696.00	332.57	332.71	-90.06	-600.00	-12,521.99	1,855.36	1,190.79	664.73	2.734		
19,900.00	7,696.00	19,838.87	7,696.00	335.26	335.40	-90.06	-599.58	-12,621.99	1,855.46	1,185.53	670.10	2.704		
20,000.00	7,696.00	19,938.87	7,696.00	337.96	338.10	-90.06	-599.16	-12,721.99	1,855.56	1,180.27	675.47	2.674		
20,100.00	7,696.00	20,038.87	7,696.00	340.65	340.79	-90.06	-598.74	-12,821.99	1,855.66	1,175.01	680.84	2.644		
20,200.00	7,696.00	20,138.87	7,696.00	343.34	343.48	-90.06	-598.32	-12,921.99	1,855.76	1,169.75	686.21	2.614		
20,300.00	7,696.00	20,238.87	7,696.00	346.04	346.18	-90.06	-597.90	-13,021.99	1,855.86	1,164.49	691.58	2.584		
20,400.00	7,696.00	20,338.87	7,696.00	348.73	348.87	-90.06	-597.48	-13,121.99	1,855.96	1,159.23	696.95	2.554		
20,500.00	7,696.00	20,438.87	7,696.00	351.43	351.57	-90.06	-597.06	-13,221.99	1,856.06	1,153.97	702.32	2.524		
20,600.00	7,696.00	20,538.87	7,696.00	354.12	354.26	-90.06	-596.64	-13,321.99	1,856.16	1,148.71	707.69	2.494		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,700.00	7,696.00	20,708.46	7,696.00	356.82	358.70	-90.06	-507.94	-13,489.55	1,880.59	1,165.53	715.06	2.630		
20,800.00	7,696.00	20,808.46	7,696.00	359.51	361.39	-90.06	-503.76	-13,589.46	1,881.90	1,161.45	720.45	2.612		
20,900.00	7,696.00	20,908.45	7,696.00	362.21	364.08	-90.06	-499.58	-13,689.36	1,883.21	1,157.37	725.84	2.595		
21,000.00	7,696.00	21,008.44	7,696.00	364.90	366.77	-90.06	-495.40	-13,789.26	1,884.52	1,153.30	731.23	2.577		
21,100.00	7,696.00	21,108.43	7,696.00	367.60	369.46	-90.06	-491.21	-13,889.17	1,885.83	1,149.22	736.62	2.560		
21,200.00	7,696.00	21,208.42	7,696.00	370.29	372.16	-90.06	-487.03	-13,989.07	1,887.15	1,145.14	742.00	2.543		
21,300.00	7,696.00	21,308.41	7,696.00	372.99	374.85	-90.06	-482.85	-14,088.98	1,888.46	1,141.06	747.39	2.527		
21,400.00	7,696.00	21,408.40	7,696.00	375.68	377.54	-90.06	-478.67	-14,188.88	1,889.77	1,136.98	752.78	2.510		
21,500.00	7,696.00	21,508.40	7,696.00	378.38	380.23	-90.06	-474.49	-14,288.78	1,891.08	1,132.91	758.17	2.494		
21,600.00	7,696.00	21,608.39	7,696.00	381.08	382.92	-90.06	-470.31	-14,388.69	1,892.39	1,128.83	763.56	2.478		
21,700.00	7,696.00	21,708.38	7,696.00	383.77	385.61	-90.06	-466.13	-14,488.59	1,893.70	1,124.75	768.96	2.463		
21,800.00	7,696.00	21,808.37	7,696.00	386.47	388.30	-90.06	-461.94	-14,588.50	1,895.01	1,120.67	774.35	2.447		
21,900.00	7,696.00	21,908.36	7,696.00	389.17	391.00	-90.06	-457.76	-14,688.40	1,896.32	1,116.59	779.74	2.432		
22,000.00	7,696.00	22,008.35	7,696.00	391.86	393.69	-90.06	-453.58	-14,788.30	1,897.64	1,112.51	785.13	2.417		
22,100.00	7,696.00	22,108.34	7,696.00	394.56	396.38	-90.06	-449.40	-14,888.21	1,898.95	1,108.43	790.52	2.402		
22,200.00	7,696.00	22,208.34	7,696.00	397.25	399.07	-90.06	-445.22	-14,988.11	1,900.26	1,104.35	795.91	2.388		
22,300.00	7,696.00	22,308.33	7,696.00	399.95	401.76	-90.06	-441.04	-15,088.02	1,901.57	1,100.27	801.30	2.373		
22,400.00	7,696.00	22,408.32	7,696.00	402.65	404.46	-90.06	-436.86	-15,187.92	1,902.88	1,096.19	806.70	2.359		
22,500.00	7,696.00	22,508.31	7,696.00	405.35	407.15	-90.06	-432.68	-15,287.82	1,904.19	1,092.10	812.09	2.345		
22,600.00	7,696.00	22,608.30	7,696.00	408.04	409.84	-90.06	-428.49	-15,387.73	1,905.50	1,088.02	817.48	2.331		
22,700.00	7,696.00	22,708.29	7,696.00	410.74	412.54	-90.06	-424.31	-15,487.63	1,906.81	1,083.94	822.87	2.317		
22,800.00	7,696.00	22,808.28	7,696.00	413.44	415.23	-90.06	-420.13	-15,587.54	1,908.13	1,079.86	828.27	2.304		
22,900.00	7,696.00	22,908.28	7,696.00	416.13	417.92	-90.06	-415.95	-15,687.44	1,909.44	1,075.78	833.66	2.290		
23,000.00	7,696.00	23,008.27	7,696.00	418.83	420.62	-90.06	-411.77	-15,787.34	1,910.75	1,071.70	839.05	2.277		
23,100.00	7,696.00	23,108.26	7,696.00	421.53	423.31	-90.06	-407.59	-15,887.25	1,912.06	1,067.62	844.44	2.264		
23,200.00	7,696.00	23,208.25	7,696.00	424.23	426.00	-90.06	-403.41	-15,987.15	1,913.37	1,063.53	849.84	2.251		
23,300.00	7,696.00	23,308.24	7,696.00	426.92	428.70	-90.06	-399.22	-16,087.05	1,914.68	1,059.45	855.23	2.239		
23,400.00	7,696.00	23,408.23	7,696.00	429.62	431.39	-90.06	-395.04	-16,186.96	1,915.99	1,055.37	860.63	2.226		
23,500.00	7,696.00	23,508.22	7,696.00	432.32	434.08	-90.06	-390.86	-16,286.86	1,917.30	1,051.29	866.02	2.214		
23,600.00	7,696.00	23,608.22	7,696.00	435.02	436.78	-90.06	-386.68	-16,386.77	1,918.62	1,047.20	871.41	2.202		
23,700.00	7,696.00	23,708.21	7,696.00	437.72	439.47	-90.06	-382.50	-16,486.67	1,919.93	1,043.12	876.81	2.190		
23,800.00	7,696.00	23,808.20	7,696.00	440.41	442.17	-90.06	-378.32	-16,586.57	1,921.24	1,039.04	882.20	2.178		
23,900.00	7,696.00	23,908.19	7,696.00	443.11	444.86	-90.06	-374.14	-16,686.48	1,922.55	1,034.95	887.60	2.166		
24,000.00	7,696.00	24,008.18	7,696.00	445.81	447.55	-90.06	-369.95	-16,786.38	1,923.86	1,030.87	892.99	2.154		
24,100.00	7,696.00	24,108.17	7,696.00	448.51	450.25	-90.06	-365.77	-16,886.29	1,925.17	1,026.79	898.39	2.143		
24,200.00	7,696.00	24,208.16	7,696.00	451.21	452.94	-90.06	-361.59	-16,986.19	1,926.48	1,022.70	903.78	2.132		
24,300.00	7,696.00	24,308.16	7,696.00	453.91	455.64	-90.06	-357.41	-17,086.09	1,927.79	1,018.62	909.18	2.120		
24,400.00	7,696.00	24,408.15	7,696.00	456.60	458.33	-90.06	-353.23	-17,186.00	1,929.11	1,014.53	914.57	2.109		
24,500.00	7,696.00	24,508.14	7,696.00	459.30	461.03	-90.06	-349.05	-17,285.90	1,930.42	1,010.45	919.97	2.098		
24,600.00	7,696.00	24,608.13	7,696.00	462.00	463.72	-90.06	-344.87	-17,385.81	1,931.73	1,006.37	925.36	2.088		
24,700.00	7,696.00	24,708.12	7,696.00	464.70	466.42	-90.06	-340.68	-17,485.71	1,933.04	1,002.28	930.76	2.077		
24,800.00	7,696.00	24,808.11	7,696.00	467.40	469.11	-90.06	-336.50	-17,585.61	1,934.35	998.20	936.15	2.066		
24,900.00	7,696.00	24,908.10	7,696.00	470.10	471.81	-90.06	-332.32	-17,685.52	1,935.66	994.11	941.55	2.056		
25,000.00	7,696.00	25,008.10	7,696.00	472.80	474.50	-90.06	-328.14	-17,785.42	1,936.97	990.03	946.94	2.045		
25,100.00	7,696.00	25,108.09	7,696.00	475.50	477.20	-90.06	-323.96	-17,885.33	1,938.28	985.94	952.34	2.035		
25,200.00	7,696.00	25,208.08	7,696.00	478.19	479.89	-90.06	-319.78	-17,985.23	1,939.60	981.86	957.74	2.025		
25,300.00	7,696.00	25,308.07	7,696.00	480.89	482.59	-90.06	-315.60	-18,085.13	1,940.91	977.77	963.13	2.015		
25,400.00	7,696.00	25,408.06	7,696.00	483.59	485.29	-90.06	-311.41	-18,185.04	1,942.22	973.69	968.53	2.005		
25,500.00	7,696.00	25,508.05	7,696.00	486.29	487.98	-90.06	-307.23	-18,284.94	1,943.53	969.60	973.93	1.996		
25,600.00	7,696.00	25,608.04	7,696.00	488.99	490.68	-90.06	-303.05	-18,384.85	1,944.84	965.52	979.32	1.986		
25,700.00	7,696.00	25,708.04	7,696.00	491.69	493.37	-90.06	-298.87	-18,484.75	1,946.15	961.43	984.72	1.976		
25,800.00	7,696.00	25,808.03	7,696.00	494.39	496.07	-90.06	-294.69	-18,584.65	1,947.46	957.35	990.12	1.967		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - BLUE FED 3-65 33-32-31-36 3BH - OWB - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
25,900.00	7,696.00	25,908.02	7,696.00	497.09	498.76	-90.06	-290.51	-18,684.56	1,948.77	953.26	995.51	1.958		
26,000.00	7,696.00	26,008.01	7,696.00	499.79	501.46	-90.06	-286.33	-18,784.46	1,950.09	949.18	1,000.91	1.948		
26,100.00	7,696.00	26,108.00	7,696.00	502.49	504.16	-90.06	-282.14	-18,884.37	1,951.40	945.09	1,006.31	1.939		
26,200.00	7,696.00	26,207.99	7,696.00	505.19	506.85	-90.06	-277.96	-18,984.27	1,952.71	941.00	1,011.70	1.930		
26,300.00	7,696.00	26,307.98	7,696.00	507.89	509.55	-90.06	-273.78	-19,084.17	1,954.02	936.92	1,017.10	1.921		
26,400.00	7,696.00	26,407.97	7,696.00	510.59	512.25	-90.06	-269.60	-19,184.08	1,955.33	932.83	1,022.50	1.912		
26,500.00	7,696.00	26,507.97	7,696.00	513.29	514.94	-90.06	-265.42	-19,283.98	1,956.64	928.75	1,027.90	1.904		
26,600.00	7,696.00	26,607.96	7,696.00	515.99	517.64	-90.06	-261.24	-19,383.88	1,957.95	924.66	1,033.29	1.895		
26,700.00	7,696.00	26,707.95	7,696.00	518.69	520.33	-90.06	-257.06	-19,483.79	1,959.26	920.57	1,038.69	1.886		
26,800.00	7,696.00	26,807.94	7,696.00	521.39	523.03	-90.06	-252.87	-19,583.69	1,960.58	916.49	1,044.09	1.878		
26,900.00	7,696.00	26,907.93	7,696.00	524.09	525.73	-90.06	-248.69	-19,683.60	1,961.89	912.40	1,049.49	1.869		
27,000.00	7,696.00	27,007.92	7,696.00	526.79	528.42	-90.06	-244.51	-19,783.50	1,963.20	908.31	1,054.89	1.861		
27,100.00	7,696.00	27,107.91	7,696.00	529.49	531.12	-90.06	-240.33	-19,883.40	1,964.51	904.23	1,060.28	1.853		
27,200.00	7,696.00	27,207.91	7,696.00	532.19	533.82	-90.06	-236.15	-19,983.31	1,965.82	900.14	1,065.68	1.845		
27,300.00	7,696.00	27,307.90	7,696.00	534.89	536.51	-90.06	-231.97	-20,083.21	1,967.13	896.05	1,071.08	1.837		
27,400.00	7,696.00	27,407.89	7,696.00	537.59	539.21	-90.06	-227.79	-20,183.12	1,968.44	891.96	1,076.48	1.829		
27,500.00	7,696.00	27,507.88	7,696.00	540.29	541.91	-90.06	-223.60	-20,283.02	1,969.75	887.88	1,081.88	1.821		
27,600.00	7,696.00	27,607.87	7,696.00	542.99	544.61	-90.06	-219.42	-20,382.92	1,971.07	883.79	1,087.28	1.813		
27,700.00	7,696.00	27,707.86	7,696.00	545.69	547.30	-90.06	-215.24	-20,482.83	1,972.38	879.70	1,092.67	1.805		
27,800.00	7,696.00	27,807.85	7,696.00	548.39	550.00	-90.06	-211.06	-20,582.73	1,973.69	875.62	1,098.07	1.797		
27,900.00	7,696.00	27,907.85	7,696.00	551.09	552.70	-90.06	-206.88	-20,682.64	1,975.00	871.53	1,103.47	1.790		
28,000.00	7,696.00	28,007.84	7,696.00	553.79	555.39	-90.06	-202.70	-20,782.54	1,976.31	867.44	1,108.87	1.782		
28,100.00	7,696.00	28,107.83	7,696.00	556.49	558.09	-90.06	-198.52	-20,882.44	1,977.62	863.35	1,114.27	1.775		
28,200.00	7,696.00	28,207.82	7,696.00	559.19	560.79	-90.06	-194.33	-20,982.35	1,978.93	859.27	1,119.67	1.767		
28,300.00	7,696.00	28,307.81	7,696.00	561.89	563.49	-90.06	-190.15	-21,082.25	1,980.24	855.18	1,125.07	1.760		
28,400.00	7,696.00	28,407.80	7,696.00	564.59	566.18	-90.06	-185.97	-21,182.16	1,981.56	851.09	1,130.47	1.753		
28,500.00	7,696.00	28,507.79	7,696.00	567.29	568.88	-90.06	-181.79	-21,282.06	1,982.87	847.00	1,135.87	1.746		
28,600.00	7,696.00	28,607.79	7,696.00	569.99	571.58	-90.06	-177.61	-21,381.96	1,984.18	842.91	1,141.26	1.739		
28,656.21	7,696.00	28,605.70	7,696.00	571.51	571.52	-90.06	-177.70	-21,379.88	1,985.77	843.16	1,142.61	1.738 SF		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-20.32	2,453.38	-908.46	2,616.17					
100.00	100.00	108.14	108.14	0.13	0.19	-20.32	2,453.26	-908.39	2,616.06	2,615.73	0.33	8,014.709		
200.00	200.00	215.92	215.92	0.49	0.58	-20.32	2,452.59	-908.34	2,615.46	2,614.39	1.07	2,444.613		
300.00	300.00	310.94	310.93	0.85	0.92	-20.32	2,452.04	-908.23	2,614.87	2,613.10	1.77	1,478.426		
400.00	399.98	406.54	406.54	1.21	1.26	-6.65	2,451.68	-908.09	2,612.73	2,610.26	2.47	1,057.742		
500.00	499.84	506.88	506.88	1.57	1.62	-6.67	2,451.46	-907.81	2,607.23	2,604.04	3.19	817.013		
600.00	599.45	613.56	613.55	1.94	2.00	-6.71	2,451.02	-907.44	2,598.07	2,594.13	3.94	659.674		
700.00	698.70	710.18	710.17	2.32	2.35	-6.77	2,450.54	-907.04	2,585.37	2,580.72	4.65	555.834		
800.00	797.47	810.73	810.72	2.72	2.71	-6.84	2,450.13	-906.62	2,569.34	2,563.95	5.38	477.161		
900.00	896.03	911.66	911.64	3.14	3.07	-6.88	2,449.58	-906.25	2,551.92	2,545.81	6.11	417.972		
1,000.00	994.59	1,009.35	1,009.34	3.57	3.42	-6.92	2,448.98	-905.95	2,534.47	2,527.65	6.82	371.735		
1,100.00	1,093.16	1,106.02	1,106.00	4.00	3.76	-6.96	2,448.49	-905.49	2,517.06	2,509.53	7.53	334.316		
1,200.00	1,191.72	1,196.72	1,196.70	4.44	4.09	-7.00	2,448.25	-905.13	2,499.89	2,491.67	8.22	304.147		
1,300.00	1,290.28	1,310.05	1,310.03	4.88	4.49	-7.05	2,447.70	-904.56	2,482.48	2,473.49	8.99	276.122		
1,400.00	1,388.84	1,409.32	1,409.29	5.32	4.85	-7.08	2,447.05	-903.65	2,464.78	2,455.07	9.71	253.738		
1,500.00	1,487.40	1,506.48	1,506.45	5.76	5.19	-7.11	2,446.50	-902.76	2,447.17	2,436.74	10.43	234.614		
1,600.00	1,585.96	1,608.88	1,608.84	6.20	5.56	-7.15	2,445.80	-901.91	2,429.48	2,418.32	11.17	217.573		
1,700.00	1,684.52	1,707.48	1,707.43	6.65	5.92	-7.19	2,444.99	-901.09	2,411.66	2,399.77	11.89	202.834		
1,800.00	1,783.09	1,807.64	1,807.59	7.09	6.28	-7.23	2,444.15	-900.38	2,393.87	2,381.25	12.62	189.702		
1,900.00	1,881.65	1,904.19	1,904.13	7.54	6.62	-7.27	2,443.28	-899.66	2,376.01	2,362.67	13.34	178.155		
2,000.00	1,980.21	1,998.41	1,998.34	7.99	6.96	-7.31	2,442.58	-899.02	2,358.31	2,344.27	14.05	167.885		
2,100.00	2,078.77	2,095.07	2,095.00	8.43	7.31	-7.36	2,441.98	-898.41	2,340.76	2,325.99	14.77	158.523		
2,200.00	2,177.33	2,195.66	2,195.59	8.88	7.67	-7.40	2,441.38	-897.69	2,323.20	2,307.70	15.50	149.907		
2,300.00	2,275.89	2,273.92	2,273.85	9.33	7.94	-7.44	2,441.18	-897.40	2,306.05	2,289.90	16.15	142.807		
2,400.00	2,374.45	2,372.31	2,372.24	9.78	8.28	-7.49	2,441.22	-897.30	2,289.29	2,272.44	16.86	135.796		
2,500.00	2,473.02	2,471.09	2,471.02	10.23	8.62	-7.54	2,441.25	-897.25	2,272.54	2,254.96	17.58	129.282		
2,600.00	2,571.58	2,569.65	2,569.58	10.67	8.97	-7.60	2,441.25	-897.25	2,255.78	2,237.49	18.29	123.306		
2,700.00	2,670.14	2,668.21	2,668.14	11.12	9.30	-7.66	2,441.25	-897.25	2,239.03	2,220.02	19.01	117.812		
2,800.00	2,768.70	2,766.77	2,766.70	11.57	9.64	-7.72	2,441.25	-897.25	2,222.27	2,202.55	19.72	112.688		
2,900.00	2,867.26	2,866.35	2,866.27	12.02	9.99	-7.78	2,441.23	-897.26	2,205.51	2,185.07	20.44	107.900		
3,000.00	2,965.82	2,965.07	2,965.00	12.47	10.33	-7.84	2,441.12	-897.33	2,188.69	2,167.53	21.15	103.464		
3,100.00	3,064.38	3,062.46	3,062.38	12.92	10.66	-7.90	2,441.11	-897.34	2,171.93	2,150.07	21.86	99.355		
3,200.00	3,162.95	3,161.02	3,160.95	13.37	10.99	-7.96	2,441.11	-897.34	2,155.18	2,132.62	22.57	95.507		
3,300.00	3,261.51	3,259.58	3,259.51	13.82	11.33	-8.02	2,441.11	-897.34	2,138.44	2,115.17	23.28	91.875		
3,400.00	3,360.07	3,360.55	3,360.47	14.27	11.68	-8.09	2,441.08	-897.32	2,121.67	2,097.67	24.00	88.393		
3,500.00	3,458.63	3,459.84	3,459.77	14.72	12.04	-8.15	2,440.96	-897.20	2,104.78	2,080.05	24.73	85.109		
3,600.00	3,557.19	3,556.02	3,555.94	15.17	12.38	-8.21	2,440.89	-897.10	2,087.95	2,062.50	25.45	82.051		
3,700.00	3,655.75	3,653.83	3,653.75	15.62	12.71	-8.28	2,440.89	-897.10	2,071.21	2,045.05	26.16	79.178		
3,800.00	3,754.32	3,755.41	3,755.33	16.07	13.06	-8.35	2,440.83	-897.09	2,054.43	2,027.55	26.88	76.425		
3,900.00	3,852.88	3,849.78	3,849.70	16.52	13.39	-8.42	2,440.78	-897.03	2,037.63	2,010.04	27.59	73.857		
4,000.00	3,951.44	3,948.03	3,947.96	16.97	13.73	-8.48	2,440.91	-896.93	2,020.99	1,992.69	28.30	71.407		
4,100.00	4,050.00	4,048.01	4,047.94	17.42	14.07	-8.55	2,440.98	-896.86	2,004.31	1,975.29	29.02	69.067		
4,200.00	4,148.56	4,146.64	4,146.56	17.87	14.41	-8.62	2,440.98	-896.86	1,987.59	1,957.86	29.73	66.850		
4,300.00	4,247.12	4,245.20	4,245.12	18.32	14.75	-8.70	2,440.98	-896.86	1,970.88	1,940.43	30.45	64.720		
4,400.00	4,345.68	4,339.46	4,339.39	18.77	15.08	-8.76	2,441.21	-896.59	1,954.29	1,923.13	31.16	62.712		
4,500.00	4,444.25	4,439.62	4,439.55	19.22	15.43	-8.83	2,441.47	-896.45	1,937.76	1,905.88	31.88	60.784		
4,600.00	4,542.81	4,537.70	4,537.62	19.67	15.76	-8.91	2,441.59	-896.56	1,921.21	1,888.63	32.59	58.957		
4,700.00	4,641.37	4,637.79	4,637.71	20.12	16.10	-8.99	2,441.75	-896.57	1,904.66	1,871.36	33.30	57.192		
4,800.00	4,739.93	4,739.77	4,739.69	20.57	16.45	-9.07	2,441.74	-896.46	1,887.91	1,853.88	34.03	55.475		
4,900.00	4,838.49	4,836.16	4,836.08	21.02	16.79	-9.14	2,441.78	-896.32	1,871.20	1,836.45	34.75	53.847		
5,000.00	4,937.05	4,934.74	4,934.67	21.47	17.14	-9.22	2,441.81	-896.28	1,854.52	1,819.05	35.47	52.279		
5,100.00	5,035.61	5,033.00	5,032.93	21.92	17.48	-9.30	2,441.89	-896.19	1,837.88	1,801.69	36.19	50.780		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	5,132.77	5,132.69	22.38	17.83	-9.39	2,441.91	-896.15	1,821.20	1,784.29	36.91	49.339		
5,300.00	5,232.74	5,232.55	5,232.47	22.83	18.18	-9.47	2,441.91	-896.00	1,804.46	1,766.82	37.64	47.944		
5,400.00	5,331.30	5,330.39	5,330.32	23.28	18.52	-9.56	2,441.87	-895.85	1,787.69	1,749.32	38.36	46.601		
5,500.00	5,429.86	5,427.89	5,427.82	23.73	18.87	-9.64	2,441.91	-895.72	1,771.01	1,731.92	39.08	45.312		
5,600.00	5,528.42	5,526.50	5,526.42	24.18	19.22	-9.74	2,441.92	-895.70	1,754.34	1,714.53	39.81	44.066		
5,700.00	5,626.98	5,626.02	5,625.94	24.63	19.57	-9.83	2,441.89	-895.72	1,737.66	1,697.12	40.54	42.864		
5,800.00	5,725.54	5,726.08	5,726.00	25.08	19.92	-9.93	2,441.75	-895.80	1,720.91	1,679.64	41.26	41.704		
5,900.00	5,824.11	5,824.41	5,824.33	25.53	20.27	-10.03	2,441.59	-895.81	1,704.11	1,662.12	41.99	40.586		
6,000.00	5,922.67	5,921.17	5,921.09	25.98	20.60	-10.13	2,441.48	-895.85	1,687.38	1,644.67	42.71	39.511		
6,100.00	6,021.23	6,019.31	6,019.23	26.43	20.95	-10.24	2,441.47	-895.85	1,670.73	1,627.30	43.43	38.471		
6,200.00	6,119.79	6,117.87	6,117.79	26.88	21.29	-10.34	2,441.47	-895.85	1,654.10	1,609.94	44.15	37.463		
6,300.00	6,218.35	6,231.57	6,216.35	27.33	21.69	-10.45	2,441.47	-895.85	1,637.46	1,592.53	44.93	36.443		
6,400.00	6,316.91	6,314.99	6,314.91	27.78	21.99	-10.55	2,441.47	-895.85	1,620.84	1,575.23	45.61	35.539		
6,500.00	6,415.48	6,416.32	6,416.24	28.23	22.35	-10.67	2,441.39	-895.84	1,604.14	1,557.80	46.34	34.617		
6,600.00	6,514.04	6,514.80	6,514.72	28.69	22.69	-10.78	2,441.22	-895.82	1,587.36	1,540.29	47.07	33.725		
6,700.00	6,612.60	6,612.79	6,612.71	29.14	23.04	-10.90	2,441.05	-895.81	1,570.59	1,522.80	47.79	32.861		
6,800.00	6,711.16	6,709.14	6,709.06	29.59	23.38	-11.02	2,440.98	-895.82	1,553.94	1,505.42	48.52	32.027		
6,900.00	6,809.72	6,807.68	6,807.60	30.04	23.72	-11.14	2,440.97	-895.92	1,537.37	1,488.13	49.24	31.221		
7,000.00	6,908.28	6,908.80	6,908.72	30.49	24.08	-11.27	2,440.83	-895.97	1,520.68	1,470.71	49.97	30.432		
7,100.00	7,006.84	7,008.52	7,008.44	30.94	24.43	-11.40	2,440.66	-895.95	1,503.94	1,453.23	50.70	29.663		
7,200.00	7,105.41	7,107.52	7,107.44	31.39	24.78	-11.52	2,440.43	-895.64	1,487.03	1,435.60	51.43	28.913		
7,300.00	7,203.81	7,191.90	7,191.82	31.85	25.08	13.29	2,440.32	-895.89	1,469.55	1,417.42	52.14	28.187		
7,400.00	7,300.02	7,262.00	7,261.74	32.33	25.32	38.67	2,439.42	-900.51	1,447.47	1,394.70	52.77	27.429		
7,500.00	7,391.09	7,303.68	7,302.95	32.83	25.46	50.62	2,438.62	-906.61	1,421.75	1,368.48	53.28	26.687		
7,600.00	7,474.26	7,357.00	7,354.66	33.35	25.64	58.49	2,437.72	-919.47	1,394.28	1,340.51	53.77	25.930		
7,700.00	7,546.99	7,386.37	7,382.50	33.90	25.73	64.40	2,437.38	-928.81	1,365.78	1,311.57	54.21	25.194		
7,800.00	7,607.07	7,426.11	7,419.34	34.51	25.86	69.62	2,437.25	-943.71	1,337.83	1,283.01	54.82	24.405		
7,900.00	7,652.68	7,451.00	7,441.85	35.20	25.94	73.85	2,437.36	-954.32	1,311.82	1,256.21	55.62	23.587		
8,000.00	7,682.43	7,499.54	7,484.33	36.00	26.11	78.15	2,438.16	-977.78	1,288.92	1,232.06	56.86	22.669		
8,100.00	7,695.43	7,545.00	7,522.17	36.92	26.26	81.75	2,439.66	-1,002.89	1,271.20	1,212.77	58.43	21.756		
8,200.00	7,696.00	7,568.06	7,540.57	37.98	26.35	82.98	2,440.66	-1,016.75	1,259.39	1,199.11	60.28	20.893		
8,300.00	7,696.00	7,610.58	7,573.00	39.21	26.52	84.46	2,442.83	-1,044.15	1,253.66	1,191.26	62.40	20.090		
8,356.60	7,696.00	7,640.00	7,594.22	39.98	26.64	85.43	2,444.56	-1,064.45	1,252.88	1,189.19	63.69	19.672		
8,400.00	7,696.00	7,660.20	7,608.16	40.59	26.74	86.07	2,445.86	-1,079.01	1,253.41	1,188.72	64.69	19.374		
8,500.00	7,696.00	7,717.54	7,644.74	42.11	27.02	87.75	2,450.14	-1,122.92	1,258.01	1,190.93	67.09	18.752		
8,600.00	7,696.00	7,793.76	7,686.52	43.76	27.48	89.66	2,456.78	-1,186.28	1,266.35	1,196.79	69.56	18.204		
8,700.00	7,696.00	7,900.50	7,733.57	45.51	28.27	91.79	2,466.35	-1,281.53	1,276.43	1,204.27	72.17	17.687		
8,800.00	7,696.00	8,034.09	7,773.45	47.37	29.58	93.55	2,476.40	-1,408.39	1,285.25	1,210.16	75.10	17.115		
8,900.00	7,696.00	8,156.91	7,788.50	49.31	31.06	94.20	2,484.71	-1,529.89	1,292.43	1,214.02	78.42	16.482		
9,000.00	7,696.00	8,377.49	7,791.36	51.33	34.29	94.32	2,488.95	-1,750.30	1,294.08	1,211.37	82.70	15.647		
9,100.00	7,696.00	8,525.81	7,792.40	53.41	36.83	94.39	2,482.12	-1,898.45	1,289.07	1,202.21	86.86	14.840		
9,200.00	7,696.00	8,639.36	7,793.22	55.54	38.92	94.46	2,473.12	-2,011.63	1,280.60	1,189.62	90.98	14.075		
9,300.00	7,696.00	8,745.95	7,794.14	57.73	40.98	94.53	2,465.13	-2,117.92	1,272.70	1,177.51	95.20	13.369		
9,400.00	7,696.00	8,826.26	7,794.84	59.96	42.60	94.59	2,458.74	-2,197.97	1,264.41	1,165.06	99.35	12.726		
9,500.00	7,696.00	8,899.40	7,795.53	62.23	44.12	94.63	2,454.72	-2,271.00	1,258.46	1,154.93	103.53	12.156		
9,600.00	7,696.00	8,984.44	7,796.86	64.54	45.93	94.71	2,451.42	-2,355.96	1,254.16	1,146.30	107.86	11.627		
9,700.00	7,696.00	9,083.80	7,799.11	66.87	48.11	94.83	2,447.96	-2,455.24	1,250.36	1,137.95	112.40	11.124		
9,800.00	7,696.00	9,183.62	7,801.56	69.23	50.34	94.95	2,444.48	-2,554.97	1,246.57	1,129.56	117.01	10.653		
9,900.00	7,696.00	9,275.74	7,803.97	71.62	52.44	95.08	2,441.37	-2,647.00	1,242.93	1,121.33	121.60	10.221		
10,000.00	7,696.00	9,353.86	7,806.31	74.03	54.24	95.19	2,439.70	-2,725.07	1,240.57	1,114.51	126.07	9.841		
10,054.49	7,696.00	9,391.20	7,807.49	75.35	55.12	95.25	2,439.52	-2,762.39	1,240.20	1,111.75	128.44	9.656		
10,100.00	7,696.00	9,422.40	7,808.47	76.46	55.85	95.29	2,439.78	-2,793.57	1,240.46	1,110.05	130.41	9.512		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,696.00	9,502.15	7,810.93	78.91	57.74	95.40	2,441.61	-2,873.26	1,242.49	1,107.58	134.91	9.210		
10,300.00	7,696.00	9,574.57	7,813.08	81.37	59.47	95.49	2,444.50	-2,945.59	1,246.28	1,107.00	139.28	8.948		
10,400.00	7,696.00	9,662.56	7,815.69	83.85	61.59	95.59	2,450.08	-3,033.36	1,252.28	1,108.36	143.92	8.701		
10,500.00	7,696.00	9,774.12	7,819.10	86.34	64.30	95.72	2,456.17	-3,144.71	1,257.47	1,108.42	149.05	8.437		
10,600.00	7,696.00	9,861.48	7,822.14	88.84	66.45	95.83	2,461.00	-3,231.88	1,262.82	1,109.10	153.73	8.215		
10,700.00	7,696.00	9,951.30	7,825.41	91.36	68.67	95.96	2,467.10	-3,321.43	1,269.42	1,110.95	158.46	8.011		
10,800.00	7,696.00	10,041.00	7,828.68	93.88	70.90	96.07	2,473.52	-3,410.84	1,276.43	1,113.23	163.20	7.821		
10,900.00	7,696.00	10,140.13	7,832.17	96.42	73.38	96.19	2,481.71	-3,509.56	1,284.50	1,116.32	168.18	7.638		
11,000.00	7,696.00	10,263.71	7,836.48	98.96	76.49	96.35	2,490.13	-3,632.78	1,291.12	1,117.40	173.71	7.432		
11,100.00	7,696.00	10,373.08	7,840.27	101.51	79.26	96.49	2,496.06	-3,741.93	1,296.36	1,117.42	178.94	7.245		
11,200.00	7,696.00	10,491.12	7,844.25	104.07	82.26	96.64	2,501.69	-3,859.76	1,301.01	1,116.68	184.34	7.058		
11,300.00	7,696.00	10,640.35	7,849.46	106.64	86.06	96.86	2,503.99	-4,008.87	1,302.25	1,112.05	190.20	6.847		
11,400.00	7,696.00	10,740.28	7,852.95	109.21	88.62	97.01	2,503.99	-4,108.74	1,302.16	1,106.91	195.25	6.669		
11,500.00	7,696.00	10,840.22	7,856.43	111.79	91.18	97.17	2,504.00	-4,208.62	1,302.08	1,101.77	200.31	6.500		
11,600.00	7,696.00	10,940.00	7,859.94	114.37	93.75	97.32	2,504.00	-4,308.33	1,302.00	1,096.63	205.37	6.340		
11,700.00	7,696.00	11,040.17	7,863.53	116.96	96.34	97.48	2,504.01	-4,408.44	1,301.95	1,091.51	210.44	6.187		
11,744.33	7,696.00	11,084.75	7,865.03	118.11	97.49	97.55	2,504.01	-4,453.00	1,301.92	1,089.22	212.70	6.121		
11,800.00	7,696.00	11,127.64	7,866.51	119.56	98.60	97.61	2,504.26	-4,495.86	1,302.19	1,086.85	215.33	6.047		
11,900.00	7,696.00	11,232.55	7,870.24	122.16	101.32	97.77	2,505.56	-4,600.69	1,303.40	1,082.91	220.50	5.911		
12,000.00	7,696.00	11,339.98	7,873.88	124.76	104.11	97.93	2,505.66	-4,708.07	1,303.42	1,077.73	225.69	5.775		
12,100.00	7,696.00	11,440.13	7,877.31	127.37	106.71	98.08	2,505.66	-4,808.16	1,303.38	1,072.60	230.79	5.648		
12,200.00	7,696.00	11,540.42	7,880.57	129.98	109.33	98.23	2,505.66	-4,908.40	1,303.33	1,067.45	235.89	5.525		
12,217.20	7,696.00	11,557.67	7,881.11	130.43	109.78	98.25	2,505.66	-4,925.64	1,303.32	1,066.56	236.76	5.505		
12,300.00	7,696.00	11,622.34	7,883.19	132.59	111.46	98.34	2,506.18	-4,990.27	1,303.91	1,063.20	240.71	5.417		
12,400.00	7,696.00	11,703.03	7,885.86	135.21	113.58	98.45	2,507.90	-5,070.89	1,305.98	1,060.52	245.47	5.320		
12,500.00	7,696.00	11,795.51	7,888.83	137.83	116.00	98.56	2,511.02	-5,163.27	1,309.27	1,058.83	250.44	5.228		
12,600.00	7,696.00	11,917.74	7,892.00	140.45	119.21	98.68	2,514.60	-5,285.41	1,312.09	1,056.08	256.01	5.125		
12,700.00	7,696.00	12,078.84	7,895.41	143.08	123.43	98.84	2,513.41	-5,446.45	1,310.99	1,049.03	261.96	5.004		
12,800.00	7,696.00	12,209.96	7,898.38	145.71	126.86	99.01	2,508.12	-5,577.43	1,306.84	1,039.57	267.27	4.890		
12,900.00	7,696.00	12,331.12	7,901.39	148.34	130.02	99.20	2,500.48	-5,698.30	1,300.45	1,028.06	272.38	4.774		
13,000.00	7,696.00	13,000.00	7,904.96	150.97	147.38	99.44	2,489.47	-5,830.96	1,292.20	1,001.13	291.07	4.439		
13,100.00	7,696.00	12,563.81	7,907.39	153.61	136.06	99.63	2,479.02	-5,929.89	1,281.73	999.39	282.34	4.540		
13,200.00	7,696.00	12,620.87	7,908.69	156.24	137.55	99.72	2,474.41	-5,986.75	1,273.72	986.24	287.48	4.431		
13,300.00	7,696.00	12,681.00	7,910.05	158.88	139.12	99.80	2,472.03	-6,046.81	1,269.45	977.08	292.38	4.342		
13,372.60	7,696.00	12,714.59	7,910.82	160.80	140.01	99.84	2,471.76	-6,080.38	1,268.54	972.90	295.64	4.291		
13,400.00	7,696.00	12,730.74	7,911.18	161.53	140.44	99.86	2,471.85	-6,096.53	1,268.67	971.80	296.87	4.274		
13,500.00	7,696.00	12,792.08	7,912.57	164.17	142.06	99.91	2,473.50	-6,157.83	1,271.15	969.94	301.21	4.220		
13,600.00	7,696.00	12,860.62	7,914.06	166.81	143.87	99.95	2,477.19	-6,226.25	1,276.30	970.78	305.52	4.177		
13,700.00	7,696.00	13,035.52	7,916.64	169.46	148.51	100.01	2,484.31	-6,400.96	1,280.28	967.78	312.49	4.097		
13,800.00	7,696.00	13,118.59	7,917.52	172.11	150.71	100.05	2,485.07	-6,484.02	1,280.96	963.58	317.37	4.036		
13,900.00	7,696.00	13,245.37	7,918.93	174.76	154.07	100.10	2,487.70	-6,610.75	1,282.92	959.88	323.04	3.971		
14,000.00	7,696.00	13,513.75	7,922.10	177.41	161.11	100.40	2,468.61	-6,878.22	1,274.76	946.98	327.77	3.889		
14,100.00	7,696.00	13,583.61	7,923.02	180.06	162.92	100.52	2,459.73	-6,947.50	1,262.15	928.90	333.25	3.787		
14,200.00	7,696.00	13,642.84	7,923.66	182.72	164.47	100.60	2,454.22	-7,006.47	1,252.68	913.99	338.69	3.699		
14,300.00	7,696.00	13,702.39	7,924.18	185.37	166.04	100.65	2,450.64	-7,065.91	1,246.42	902.57	343.84	3.625		
14,400.00	7,696.00	13,791.79	7,924.81	188.03	168.40	100.71	2,447.45	-7,155.25	1,242.49	893.55	348.94	3.561		
14,500.00	7,696.00	13,877.55	7,925.37	190.69	170.68	100.77	2,444.85	-7,240.97	1,239.14	885.13	354.00	3.500		
14,600.00	7,696.00	13,959.45	7,925.78	193.34	172.85	100.80	2,443.58	-7,322.86	1,237.20	878.20	358.99	3.446		
14,674.47	7,696.00	14,015.45	7,925.99	195.33	174.34	100.81	2,443.46	-7,378.85	1,236.75	874.16	362.59	3.411 CC		
14,700.00	7,696.00	14,030.70	7,926.05	196.00	174.75	100.81	2,443.64	-7,394.10	1,236.93	873.19	363.74	3.401		
14,800.00	7,696.00	14,097.00	7,926.36	198.66	176.51	100.81	2,445.90	-7,460.36	1,239.71	871.53	368.18	3.367		
14,900.00	7,696.00	14,185.44	7,926.89	201.33	178.87	100.80	2,450.53	-7,548.68	1,244.40	871.30	373.10	3.335		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,000.00	7,696.00	14,247.54	7,927.30	203.99	180.52	100.78	2,454.64	-7,610.64	1,250.57	873.53	377.04	3.317		
15,100.00	7,696.00	14,320.90	7,927.70	206.65	182.48	100.74	2,461.91	-7,683.64	1,259.76	878.55	381.20	3.305		
15,200.00	7,696.00	14,453.82	7,928.44	209.32	186.02	100.67	2,474.82	-7,815.92	1,269.10	881.17	387.92	3.272		
15,300.00	7,696.00	14,563.71	7,929.13	211.98	188.95	100.64	2,482.58	-7,925.53	1,275.60	882.02	393.58	3.241		
15,400.00	7,696.00	14,699.49	7,929.82	214.65	192.58	100.63	2,489.29	-8,061.14	1,279.83	879.84	399.99	3.200		
15,500.00	7,696.00	14,777.17	7,930.03	217.31	194.65	100.61	2,493.11	-8,138.72	1,284.23	879.63	404.60	3.174		
15,600.00	7,696.00	14,853.00	7,930.32	219.98	196.68	100.58	2,498.67	-8,214.34	1,290.88	881.85	409.04	3.156		
15,700.00	7,696.00	15,700.00	7,931.25	222.65	219.31	100.56	2,507.06	-8,379.45	1,295.38	861.12	434.26	2.983		
15,800.00	7,696.00	15,166.80	7,932.13	225.32	205.06	100.60	2,507.47	-8,527.86	1,295.03	872.67	422.36	3.066		
15,900.00	7,696.00	15,296.28	7,932.80	227.99	208.51	100.66	2,503.69	-8,657.28	1,291.57	863.83	427.74	3.020		
16,000.00	7,696.00	15,396.52	7,933.28	230.66	211.17	100.72	2,500.20	-8,757.46	1,287.72	854.81	432.91	2.975		
16,100.00	7,696.00	15,481.63	7,933.58	233.33	213.44	100.76	2,497.60	-8,842.53	1,284.31	846.27	438.03	2.932		
16,200.00	7,696.00	15,562.46	7,933.89	236.00	215.60	100.78	2,496.35	-8,923.35	1,282.34	839.27	443.07	2.894		
16,270.49	7,696.00	15,617.29	7,934.16	237.88	217.06	100.80	2,496.20	-8,978.18	1,281.86	835.33	446.53	2.871		
16,300.00	7,696.00	15,637.40	7,934.26	238.67	217.60	100.80	2,496.36	-8,998.29	1,281.97	834.06	447.91	2.862		
16,400.00	7,696.00	15,708.13	7,934.63	241.34	219.49	100.81	2,498.10	-9,068.99	1,283.94	831.43	452.51	2.837		
16,500.00	7,696.00	15,812.50	7,935.07	244.02	222.29	100.80	2,501.72	-9,173.29	1,286.91	829.02	457.90	2.810		
16,600.00	7,696.00	15,930.10	7,935.63	246.69	225.43	100.81	2,504.32	-9,290.87	1,288.62	825.06	463.56	2.780		
16,700.00	7,696.00	16,021.18	7,936.12	249.36	227.87	100.82	2,506.04	-9,381.93	1,290.08	821.47	468.61	2.753		
16,800.00	7,696.00	16,116.61	7,936.76	252.04	230.43	100.83	2,508.94	-9,477.32	1,292.65	818.89	473.76	2.729		
16,900.00	7,696.00	16,229.92	7,937.52	254.71	233.47	100.85	2,511.20	-9,590.60	1,294.20	814.89	479.30	2.700		
17,000.00	7,696.00	16,330.65	7,937.98	257.39	236.16	100.86	2,512.96	-9,691.31	1,295.49	810.92	484.57	2.673		
17,100.00	7,696.00	16,430.30	7,938.26	260.07	238.83	100.86	2,514.71	-9,790.94	1,296.74	806.92	489.83	2.647		
17,200.00	7,696.00	16,605.56	7,939.47	262.74	243.51	100.95	2,510.90	-9,966.10	1,293.55	797.85	495.69	2.610		
17,300.00	7,696.00	16,712.49	7,940.06	265.42	246.36	101.02	2,506.60	-10,072.94	1,289.23	788.41	500.82	2.574		
17,400.00	7,696.00	16,803.60	7,940.53	268.10	248.79	101.08	2,502.29	-10,163.94	1,284.20	778.21	505.99	2.538		
17,500.00	7,696.00	16,896.76	7,940.98	270.77	251.27	101.13	2,498.95	-10,257.05	1,280.25	769.10	511.15	2.505		
17,600.00	7,696.00	17,036.80	7,941.59	273.45	255.00	101.23	2,491.95	-10,396.90	1,274.95	758.93	516.03	2.471		
17,700.00	7,696.00	17,119.10	7,942.10	276.13	257.18	101.30	2,487.05	-10,479.05	1,268.71	747.41	521.30	2.434		
17,800.00	7,696.00	17,282.52	7,943.20	278.81	261.50	101.48	2,472.32	-10,641.78	1,258.79	733.68	525.11	2.397		
17,900.00	7,696.00	17,351.68	7,943.51	281.49	263.32	101.56	2,465.67	-10,710.62	1,249.07	718.19	530.88	2.353		
18,000.00	7,696.00	17,393.00	7,943.59	284.17	264.42	101.60	2,462.70	-10,751.83	1,242.51	705.99	536.53	2.316		
18,043.94	7,696.00	17,393.00	7,943.59	285.34	264.42	101.60	2,462.70	-10,751.83	1,241.74	703.31	538.43	2.306		
18,100.00	7,696.00	17,393.00	7,943.59	286.84	264.42	101.60	2,462.70	-10,751.83	1,243.00	703.11	539.90	2.302 ES, SF		
18,200.00	7,696.00	17,393.00	7,943.59	289.52	264.42	101.60	2,462.70	-10,751.83	1,251.51	711.67	539.83	2.318		
18,300.00	7,696.00	17,393.00	7,943.59	292.20	264.42	101.60	2,462.70	-10,751.83	1,267.86	731.38	536.48	2.363		
18,400.00	7,696.00	17,393.00	7,943.59	294.89	264.42	101.59	2,462.70	-10,751.83	1,291.78	761.63	530.15	2.437		
18,500.00	7,696.00	17,393.00	7,943.59	297.57	264.42	101.47	2,462.70	-10,751.83	1,321.20	800.02	521.17	2.535		
18,600.00	7,696.00	17,393.00	7,943.59	300.26	264.42	101.42	2,462.70	-10,751.83	1,354.74	844.83	509.91	2.657		
18,700.00	7,696.00	17,393.00	7,943.59	302.95	264.42	101.42	2,462.70	-10,751.83	1,394.40	897.46	496.93	2.806		
18,800.00	7,696.00	17,393.00	7,943.59	305.64	264.42	101.42	2,462.70	-10,751.83	1,439.92	957.17	482.75	2.983		
18,900.00	7,696.00	17,393.00	7,943.59	308.33	264.42	101.42	2,462.70	-10,751.83	1,490.77	1,022.97	467.80	3.187		
19,000.00	7,696.00	17,393.00	7,943.59	311.03	264.42	101.42	2,462.70	-10,751.83	1,546.42	1,093.95	452.47	3.418		
19,100.00	7,696.00	17,393.00	7,943.59	313.72	264.42	101.42	2,462.70	-10,751.83	1,606.37	1,169.30	437.07	3.675		
19,200.00	7,696.00	17,393.00	7,943.59	316.41	264.42	101.42	2,462.70	-10,751.83	1,670.17	1,248.32	421.85	3.959		
19,300.00	7,696.00	17,393.00	7,943.59	319.10	264.42	101.42	2,462.70	-10,751.83	1,737.38	1,330.39	406.99	4.269		
19,400.00	7,696.00	17,393.00	7,943.59	321.80	264.42	101.42	2,462.70	-10,751.83	1,807.63	1,415.02	392.61	4.604		
19,500.00	7,696.00	17,393.00	7,943.59	324.49	264.42	101.42	2,462.70	-10,751.83	1,880.57	1,501.77	378.80	4.965		
19,600.00	7,696.00	17,393.00	7,943.59	327.18	264.42	101.42	2,462.70	-10,751.83	1,955.90	1,590.30	365.60	5.350		
19,700.00	7,696.00	17,393.00	7,943.59	329.88	264.42	101.42	2,462.70	-10,751.83	2,033.37	1,680.32	353.05	5.759		
19,800.00	7,696.00	17,393.00	7,943.59	332.57	264.42	101.42	2,462.70	-10,751.83	2,112.72	1,771.58	341.15	6.193		
19,900.00	7,696.00	17,393.00	7,943.59	335.26	264.42	101.42	2,462.70	-10,751.83	2,193.77	1,863.89	329.88	6.650		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
20,000.00	7,696.00	17,393.00	7,943.59	337.96	264.42	101.42	2,462.70	-10,751.83	2,276.32	1,957.09	319.23	7.131		
20,100.00	7,696.00	17,393.00	7,943.59	340.65	264.42	101.42	2,462.70	-10,751.83	2,360.23	2,051.04	309.18	7.634		
20,200.00	7,696.00	17,393.00	7,943.59	343.34	264.42	101.42	2,462.70	-10,751.83	2,445.34	2,145.64	299.70	8.159		
20,300.00	7,696.00	17,393.00	7,943.59	346.04	264.42	101.42	2,462.70	-10,751.83	2,531.55	2,240.78	290.76	8.707		
20,400.00	7,696.00	17,393.00	7,943.59	348.73	264.42	101.42	2,462.70	-10,751.83	2,618.73	2,336.40	282.33	9.275		
20,500.00	7,696.00	17,393.00	7,943.59	351.43	264.42	101.42	2,462.70	-10,751.83	2,706.80	2,432.42	274.38	9.865		
20,600.00	7,696.00	17,393.00	7,943.59	354.12	264.42	101.42	2,462.70	-10,751.83	2,795.67	2,528.80	266.87	10.476		
20,700.00	7,696.00	17,393.00	7,943.59	356.82	264.42	101.42	2,462.70	-10,751.83	2,885.28	2,625.49	259.79	11.106		
20,800.00	7,696.00	17,393.00	7,943.59	359.51	264.42	101.42	2,462.70	-10,751.83	2,975.54	2,722.44	253.10	11.757		
20,900.00	7,696.00	17,393.00	7,943.59	362.21	264.42	101.42	2,462.70	-10,751.83	3,066.41	2,819.64	246.77	12.426		
21,000.00	7,696.00	17,393.00	7,943.59	364.90	264.42	101.42	2,462.70	-10,751.83	3,157.83	2,917.04	240.79	13.114		
21,100.00	7,696.00	17,393.00	7,943.59	367.60	264.42	101.42	2,462.70	-10,751.83	3,249.76	3,014.63	235.13	13.821		
21,200.00	7,696.00	17,393.00	7,943.59	370.29	264.42	101.42	2,462.70	-10,751.83	3,342.15	3,112.38	229.77	14.546		
21,300.00	7,696.00	17,393.00	7,943.59	372.99	264.42	101.42	2,462.70	-10,751.83	3,434.96	3,210.27	224.69	15.288		
21,400.00	7,696.00	17,393.00	7,943.59	375.68	264.42	101.42	2,462.70	-10,751.83	3,528.17	3,308.30	219.87	16.047		
21,500.00	7,696.00	17,393.00	7,943.59	378.38	264.42	101.42	2,462.70	-10,751.83	3,621.74	3,406.45	215.29	16.822		
21,600.00	7,696.00	17,393.00	7,943.59	381.08	264.42	101.42	2,462.70	-10,751.83	3,715.65	3,504.70	210.95	17.614		
21,700.00	7,696.00	17,393.00	7,943.59	383.77	264.42	101.42	2,462.70	-10,751.83	3,809.86	3,603.04	206.82	18.421		
21,800.00	7,696.00	17,393.00	7,943.59	386.47	264.42	101.42	2,462.70	-10,751.83	3,904.37	3,701.47	202.89	19.244		
21,900.00	7,696.00	17,393.00	7,943.59	389.17	264.42	101.42	2,462.70	-10,751.83	3,999.14	3,799.98	199.15	20.081		
22,000.00	7,696.00	17,393.00	7,943.59	391.86	264.42	101.42	2,462.70	-10,751.83	4,094.16	3,898.57	195.59	20.932		
22,100.00	7,696.00	17,393.00	7,943.59	394.56	264.42	101.42	2,462.70	-10,751.83	4,189.41	3,997.21	192.20	21.797		
22,200.00	7,696.00	17,393.00	7,943.59	397.25	264.42	101.42	2,462.70	-10,751.83	4,284.88	4,095.92	188.96	22.676		
22,300.00	7,696.00	17,393.00	7,943.59	399.95	264.42	101.42	2,462.70	-10,751.83	4,380.55	4,194.68	185.87	23.568		
22,400.00	7,696.00	17,393.00	7,943.59	402.65	264.42	101.42	2,462.70	-10,751.83	4,476.41	4,293.49	182.92	24.472		
22,500.00	7,696.00	17,393.00	7,943.59	405.35	264.42	101.42	2,462.70	-10,751.83	4,572.44	4,392.34	180.10	25.388		
22,600.00	7,696.00	17,393.00	7,943.59	408.04	264.42	101.42	2,462.70	-10,751.83	4,668.65	4,491.24	177.40	26.317		
22,700.00	7,696.00	17,393.00	7,943.59	410.74	264.42	101.42	2,462.70	-10,751.83	4,765.01	4,590.18	174.82	27.256		
22,800.00	7,696.00	17,393.00	7,943.59	413.44	264.42	101.42	2,462.70	-10,751.83	4,861.51	4,689.16	172.36	28.206		
22,900.00	7,696.00	17,393.00	7,943.59	416.13	264.42	101.42	2,462.70	-10,751.83	4,958.16	4,788.17	169.99	29.167		
23,000.00	7,696.00	17,393.00	7,943.59	418.83	264.42	101.42	2,462.70	-10,751.83	5,054.93	4,887.21	167.73	30.138		
23,100.00	7,696.00	17,393.00	7,943.59	421.53	264.42	101.42	2,462.70	-10,751.83	5,151.83	4,986.28	165.56	31.118		
23,200.00	7,696.00	17,393.00	7,943.59	424.23	264.42	101.42	2,462.70	-10,751.83	5,248.85	5,085.37	163.47	32.108		
23,300.00	7,696.00	17,393.00	7,943.59	426.92	264.42	101.42	2,462.70	-10,751.83	5,345.97	5,184.50	161.48	33.107		
23,400.00	7,696.00	17,393.00	7,943.59	429.62	264.42	101.42	2,462.70	-10,751.83	5,443.20	5,283.65	159.56	34.114		
23,500.00	7,696.00	17,393.00	7,943.59	432.32	264.42	101.42	2,462.70	-10,751.83	5,540.53	5,382.82	157.72	35.130		
23,600.00	7,696.00	17,393.00	7,943.59	435.02	264.42	101.42	2,462.70	-10,751.83	5,637.95	5,482.01	155.95	36.153		
23,700.00	7,696.00	17,393.00	7,943.59	437.72	264.42	101.42	2,462.70	-10,751.83	5,735.46	5,581.22	154.24	37.184		
23,800.00	7,696.00	17,393.00	7,943.59	440.41	264.42	101.42	2,462.70	-10,751.83	5,833.06	5,680.45	152.61	38.222		
23,900.00	7,696.00	17,393.00	7,943.59	443.11	264.42	101.42	2,462.70	-10,751.83	5,930.73	5,779.70	151.04	39.267		
24,000.00	7,696.00	17,393.00	7,943.59	445.81	264.42	101.42	2,462.70	-10,751.83	6,028.48	5,878.96	149.52	40.318		
24,100.00	7,696.00	17,393.00	7,943.59	448.51	264.42	101.42	2,462.70	-10,751.83	6,126.31	5,978.24	148.07	41.376		
24,200.00	7,696.00	17,393.00	7,943.59	451.21	264.42	101.42	2,462.70	-10,751.83	6,224.20	6,077.54	146.66	42.439		
24,300.00	7,696.00	17,393.00	7,943.59	453.91	264.42	101.42	2,462.70	-10,751.83	6,322.16	6,176.85	145.31	43.508		
24,400.00	7,696.00	17,393.00	7,943.59	456.60	264.42	101.42	2,462.70	-10,751.83	6,420.18	6,276.17	144.01	44.582		
24,500.00	7,696.00	17,393.00	7,943.59	459.30	264.42	101.42	2,462.70	-10,751.83	6,518.26	6,375.51	142.75	45.661		
24,600.00	7,696.00	17,393.00	7,943.59	462.00	264.42	101.42	2,462.70	-10,751.83	6,616.40	6,474.85	141.55	46.744		
24,700.00	7,696.00	17,393.00	7,943.59	464.70	264.42	101.42	2,462.70	-10,751.83	6,714.59	6,574.21	140.38	47.832		
24,800.00	7,696.00	17,393.00	7,943.59	467.40	264.42	101.42	2,462.70	-10,751.83	6,812.84	6,673.59	139.25	48.924		
24,900.00	7,696.00	17,393.00	7,943.59	470.10	264.42	101.42	2,462.70	-10,751.83	6,911.14	6,772.97	138.17	50.020		
25,000.00	7,696.00	17,393.00	7,943.59	472.80	264.42	101.42	2,462.70	-10,751.83	7,009.48	6,872.36	137.12	51.119		
25,100.00	7,696.00	17,393.00	7,943.59	475.50	264.42	101.42	2,462.70	-10,751.83	7,107.87	6,971.76	136.11	52.222		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 34-T3S-R65W - EXIST HZ BLUE 3-65 32-33 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 84-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
25,200.00	7,696.00	17,393.00	7,943.59	478.19	264.42	101.42	2,462.70	-10,751.83	7,206.31	7,071.18	135.13	53.327		
25,300.00	7,696.00	17,393.00	7,943.59	480.89	264.42	101.42	2,462.70	-10,751.83	7,304.79	7,170.60	134.19	54.436		
25,400.00	7,696.00	17,393.00	7,943.59	483.59	264.42	101.42	2,462.70	-10,751.83	7,403.31	7,270.03	133.28	55.547		
25,500.00	7,696.00	17,393.00	7,943.59	486.29	264.42	101.42	2,462.70	-10,751.83	7,501.86	7,369.46	132.40	56.661		
25,600.00	7,696.00	17,393.00	7,943.59	488.99	264.42	101.42	2,462.70	-10,751.83	7,600.46	7,468.91	131.55	57.776		
25,700.00	7,696.00	17,393.00	7,943.59	491.69	264.42	101.42	2,462.70	-10,751.83	7,699.09	7,568.36	130.73	58.894		
25,800.00	7,696.00	17,393.00	7,943.59	494.39	264.42	101.42	2,462.70	-10,751.83	7,797.76	7,667.82	129.93	60.013		
25,900.00	7,696.00	17,393.00	7,943.59	497.09	264.42	101.42	2,462.70	-10,751.83	7,896.46	7,767.29	129.17	61.134		
26,000.00	7,696.00	17,393.00	7,943.59	499.79	264.42	101.42	2,462.70	-10,751.83	7,995.19	7,866.77	128.42	62.257		
26,100.00	7,696.00	17,393.00	7,943.59	502.49	264.42	101.42	2,462.70	-10,751.83	8,093.95	7,966.25	127.70	63.380		
26,200.00	7,696.00	17,393.00	7,943.59	505.19	264.42	101.42	2,462.70	-10,751.83	8,192.75	8,065.74	127.01	64.505		
26,300.00	7,696.00	17,393.00	7,943.59	507.89	264.42	101.42	2,462.70	-10,751.83	8,291.57	8,165.23	126.34	65.630		
26,400.00	7,696.00	17,393.00	7,943.59	510.59	264.42	101.42	2,462.70	-10,751.83	8,390.42	8,264.73	125.69	66.756		
26,500.00	7,696.00	17,393.00	7,943.59	513.29	264.42	101.42	2,462.70	-10,751.83	8,489.30	8,364.24	125.06	67.882		
26,600.00	7,696.00	17,393.00	7,943.59	515.99	264.42	101.42	2,462.70	-10,751.83	8,588.20	8,463.75	124.45	69.009		
26,700.00	7,696.00	17,393.00	7,943.59	518.69	264.42	101.42	2,462.70	-10,751.83	8,687.13	8,563.27	123.86	70.136		
26,800.00	7,696.00	17,393.00	7,943.59	521.39	264.42	101.42	2,462.70	-10,751.83	8,786.08	8,662.79	123.29	71.263		
26,900.00	7,696.00	17,393.00	7,943.59	524.09	264.42	101.42	2,462.70	-10,751.83	8,885.06	8,762.32	122.74	72.390		
27,000.00	7,696.00	17,393.00	7,943.59	526.79	264.42	101.42	2,462.70	-10,751.83	8,984.06	8,861.85	122.20	73.517		
27,100.00	7,696.00	17,393.00	7,943.59	529.49	264.42	101.42	2,462.70	-10,751.83	9,083.08	8,961.39	121.69	74.643		
27,200.00	7,696.00	17,393.00	7,943.59	532.19	264.42	101.42	2,462.70	-10,751.83	9,182.12	9,060.94	121.19	75.769		
27,300.00	7,696.00	17,393.00	7,943.59	534.89	264.42	101.42	2,462.70	-10,751.83	9,281.18	9,160.48	120.70	76.895		
27,400.00	7,696.00	17,393.00	7,943.59	537.59	264.42	101.42	2,462.70	-10,751.83	9,380.27	9,260.04	120.23	78.019		
27,500.00	7,696.00	17,393.00	7,943.59	540.29	264.42	101.42	2,462.70	-10,751.83	9,479.37	9,359.59	119.78	79.143		
27,600.00	7,696.00	17,393.00	7,943.59	542.99	264.42	101.42	2,462.70	-10,751.83	9,578.49	9,459.15	119.33	80.266		
27,700.00	7,696.00	17,393.00	7,943.59	545.69	264.42	101.42	2,462.70	-10,751.83	9,677.63	9,558.72	118.91	81.388		
27,800.00	7,696.00	17,393.00	7,943.59	548.39	264.42	101.42	2,462.70	-10,751.83	9,776.78	9,658.29	118.49	82.509		
27,900.00	7,696.00	17,393.00	7,943.59	551.09	264.42	101.42	2,462.70	-10,751.83	9,875.96	9,757.86	118.09	83.628		
28,000.00	7,696.00	17,393.00	7,943.59	553.79	264.42	101.42	2,462.70	-10,751.83	9,975.15	9,857.44	117.71	84.746		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2133-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,359.00	7,768.15	0.00	239.47	17.73	2,337.75	747.30	8,231.54					
100.00	100.00	16,359.00	7,768.15	0.13	239.47	17.73	2,337.75	747.30	8,136.15	8,038.15	97.99	83.028		
200.00	200.00	16,359.00	7,768.15	0.49	239.47	17.73	2,337.75	747.30	8,040.86	7,942.33	98.53	81.604		
300.00	300.00	16,359.00	7,768.15	0.85	239.47	17.73	2,337.75	747.30	7,945.69	7,846.59	99.10	80.176		
400.00	399.98	16,359.00	7,768.15	1.21	239.47	34.94	2,337.75	747.30	7,850.20	7,750.52	99.68	78.758		
500.00	499.84	16,359.00	7,768.15	1.57	239.47	39.19	2,337.75	747.30	7,753.99	7,653.78	100.21	77.374		
600.00	599.45	16,359.00	7,768.15	1.94	239.47	44.34	2,337.75	747.30	7,657.17	7,556.46	100.71	76.035		
700.00	698.70	16,359.00	7,768.15	2.32	239.47	50.61	2,337.75	747.30	7,559.82	7,458.68	101.15	74.742		
800.00	797.47	16,359.00	7,768.15	2.72	239.47	57.07	2,337.75	747.30	7,462.06	7,360.52	101.53	73.495		
900.00	896.03	16,359.00	7,768.15	3.14	239.47	57.07	2,337.75	747.30	7,364.19	7,262.30	101.89	72.273		
1,000.00	994.59	16,359.00	7,768.15	3.57	239.47	57.07	2,337.75	747.30	7,266.39	7,164.11	102.27	71.049		
1,100.00	1,093.16	16,359.00	7,768.15	4.00	239.47	57.07	2,337.75	747.30	7,168.64	7,065.98	102.67	69.825		
1,200.00	1,191.72	16,359.00	7,768.15	4.44	239.47	57.07	2,337.75	747.30	7,070.96	6,967.88	103.08	68.599		
1,300.00	1,290.28	16,359.00	7,768.15	4.88	239.47	57.07	2,337.75	747.30	6,973.34	6,869.84	103.50	67.373		
1,400.00	1,388.84	16,359.00	7,768.15	5.32	239.47	57.07	2,337.75	747.30	6,875.80	6,771.85	103.95	66.148		
1,500.00	1,487.40	16,359.00	7,768.15	5.76	239.47	57.07	2,337.75	747.30	6,778.32	6,673.91	104.41	64.923		
1,600.00	1,585.96	16,359.00	7,768.15	6.20	239.47	57.07	2,337.75	747.30	6,680.92	6,576.03	104.88	63.699		
1,700.00	1,684.52	16,359.00	7,768.15	6.65	239.47	57.07	2,337.75	747.30	6,583.59	6,478.22	105.38	62.476		
1,800.00	1,783.09	16,359.00	7,768.15	7.09	239.47	57.07	2,337.75	747.30	6,486.35	6,380.46	105.89	61.256		
1,900.00	1,881.65	16,359.00	7,768.15	7.54	239.47	57.07	2,337.75	747.30	6,389.19	6,282.77	106.42	60.038		
2,000.00	1,980.21	16,359.00	7,768.15	7.99	239.47	57.07	2,337.75	747.30	6,292.13	6,185.16	106.97	58.822		
2,100.00	2,078.77	16,359.00	7,768.15	8.43	239.47	57.07	2,337.75	747.30	6,195.15	6,087.61	107.54	57.609		
2,200.00	2,177.33	16,359.00	7,768.15	8.88	239.47	57.07	2,337.75	747.30	6,098.27	5,990.15	108.13	56.400		
2,300.00	2,275.89	16,359.00	7,768.15	9.33	239.47	57.07	2,337.75	747.30	6,001.50	5,892.76	108.73	55.194		
2,400.00	2,374.45	16,359.00	7,768.15	9.78	239.47	57.07	2,337.75	747.30	5,904.83	5,795.47	109.36	53.993		
2,500.00	2,473.02	16,359.00	7,768.15	10.23	239.47	57.07	2,337.75	747.30	5,808.28	5,698.26	110.02	52.795		
2,600.00	2,571.58	16,359.00	7,768.15	10.67	239.47	57.07	2,337.75	747.30	5,711.84	5,601.15	110.69	51.602		
2,700.00	2,670.14	16,359.00	7,768.15	11.12	239.47	57.07	2,337.75	747.30	5,615.53	5,504.14	111.39	50.414		
2,800.00	2,768.70	16,359.00	7,768.15	11.57	239.47	57.07	2,337.75	747.30	5,519.35	5,407.24	112.11	49.231		
2,900.00	2,867.26	16,359.00	7,768.15	12.02	239.47	57.07	2,337.75	747.30	5,423.31	5,310.45	112.86	48.053		
3,000.00	2,965.82	16,359.00	7,768.15	12.47	239.47	57.07	2,337.75	747.30	5,327.41	5,213.77	113.64	46.881		
3,100.00	3,064.38	16,359.00	7,768.15	12.92	239.47	57.07	2,337.75	747.30	5,231.67	5,117.23	114.44	45.715		
3,200.00	3,162.95	16,359.00	7,768.15	13.37	239.47	57.07	2,337.75	747.30	5,136.09	5,020.81	115.27	44.556		
3,300.00	3,261.51	16,359.00	7,768.15	13.82	239.47	57.07	2,337.75	747.30	5,040.68	4,924.54	116.14	43.403		
3,400.00	3,360.07	16,359.00	7,768.15	14.27	239.47	57.07	2,337.75	747.30	4,945.45	4,828.42	117.03	42.256		
3,500.00	3,458.63	16,359.00	7,768.15	14.72	239.47	57.07	2,337.75	747.30	4,850.42	4,732.45	117.96	41.117		
3,600.00	3,557.19	16,359.00	7,768.15	15.17	239.47	57.07	2,337.75	747.30	4,755.58	4,636.65	118.93	39.986		
3,700.00	3,655.75	16,359.00	7,768.15	15.62	239.47	57.07	2,337.75	747.30	4,660.97	4,541.03	119.94	38.862		
3,800.00	3,754.32	16,359.00	7,768.15	16.07	239.47	57.07	2,337.75	747.30	4,566.58	4,445.60	120.98	37.747		
3,900.00	3,852.88	16,359.00	7,768.15	16.52	239.47	57.07	2,337.75	747.30	4,472.44	4,350.38	122.06	36.640		
4,000.00	3,951.44	16,359.00	7,768.15	16.97	239.47	57.07	2,337.75	747.30	4,378.56	4,255.36	123.19	35.542		
4,100.00	4,050.00	16,359.00	7,768.15	17.42	239.47	57.07	2,337.75	747.30	4,284.95	4,160.58	124.37	34.454		
4,200.00	4,148.56	16,359.00	7,768.15	17.87	239.47	57.07	2,337.75	747.30	4,191.64	4,066.05	125.59	33.375		
4,300.00	4,247.12	16,359.00	7,768.15	18.32	239.47	57.07	2,337.75	747.30	4,098.65	3,971.78	126.87	32.307		
4,400.00	4,345.68	16,359.00	7,768.15	18.77	239.47	57.07	2,337.75	747.30	4,005.99	3,877.79	128.20	31.249		
4,500.00	4,444.25	16,359.00	7,768.15	19.22	239.47	57.07	2,337.75	747.30	3,913.69	3,784.11	129.58	30.202		
4,600.00	4,542.81	16,359.00	7,768.15	19.67	239.47	57.07	2,337.75	747.30	3,821.78	3,690.76	131.03	29.167		
4,700.00	4,641.37	16,359.00	7,768.15	20.12	239.47	57.07	2,337.75	747.30	3,730.29	3,597.75	132.54	28.145		
4,800.00	4,739.93	16,359.00	7,768.15	20.57	239.47	57.07	2,337.75	747.30	3,639.25	3,505.13	134.12	27.134		
4,900.00	4,838.49	16,359.00	7,768.15	21.02	239.47	57.07	2,337.75	747.30	3,548.69	3,412.92	135.77	26.138		
5,000.00	4,937.05	16,359.00	7,768.15	21.47	239.47	57.07	2,337.75	747.30	3,458.64	3,321.15	137.49	25.155		
5,100.00	5,035.61	16,359.00	7,768.15	21.92	239.47	57.07	2,337.75	747.30	3,369.16	3,229.87	139.30	24.187		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2133-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	16,359.00	7,768.15	22.38	239.47	57.07	2,337.75	747.30	3,280.29	3,139.10	141.19	23.234		
5,300.00	5,232.74	16,359.00	7,768.15	22.83	239.47	57.07	2,337.75	747.30	3,192.08	3,048.91	143.16	22.297		
5,400.00	5,331.30	16,359.00	7,768.15	23.28	239.47	57.07	2,337.75	747.30	3,104.58	2,959.35	145.23	21.377		
5,500.00	5,429.86	16,359.00	7,768.15	23.73	239.47	57.07	2,337.75	747.30	3,017.86	2,870.46	147.40	20.474		
5,600.00	5,528.42	16,359.00	7,768.15	24.18	239.47	57.07	2,337.75	747.30	2,931.98	2,782.31	149.66	19.590		
5,700.00	5,626.98	16,359.00	7,768.15	24.63	239.47	57.07	2,337.75	747.30	2,847.02	2,694.99	152.04	18.726		
5,800.00	5,725.54	16,359.00	7,768.15	25.08	239.47	57.07	2,337.75	747.30	2,763.08	2,608.56	154.52	17.882		
5,900.00	5,824.11	16,359.00	7,768.15	25.53	239.47	57.07	2,337.75	747.30	2,680.23	2,523.12	157.11	17.059		
6,000.00	5,922.67	16,359.00	7,768.15	25.98	239.47	57.07	2,337.75	747.30	2,598.59	2,438.77	159.82	16.259		
6,100.00	6,021.23	16,359.00	7,768.15	26.43	239.47	57.07	2,337.75	747.30	2,518.28	2,355.63	162.64	15.483		
6,200.00	6,119.79	16,359.00	7,768.15	26.88	239.47	57.07	2,337.75	747.30	2,439.42	2,273.84	165.59	14.732		
6,300.00	6,218.35	16,359.00	7,768.15	27.33	239.47	57.07	2,337.75	747.30	2,362.17	2,193.53	168.64	14.007		
6,400.00	6,316.91	16,359.00	7,768.15	27.78	239.47	57.07	2,337.75	747.30	2,286.67	2,114.87	171.80	13.310		
6,500.00	6,415.48	16,359.00	7,768.15	28.23	239.47	57.07	2,337.75	747.30	2,213.12	2,038.06	175.07	12.642		
6,600.00	6,514.04	16,359.00	7,768.15	28.69	239.47	57.07	2,337.75	747.30	2,141.72	1,963.30	178.42	12.004		
6,700.00	6,612.60	16,359.00	7,768.15	29.14	239.47	57.07	2,337.75	747.30	2,072.68	1,890.84	181.84	11.399		
6,800.00	6,711.16	16,359.00	7,768.15	29.59	239.47	57.07	2,337.75	747.30	2,006.25	1,820.95	185.30	10.827		
6,900.00	6,809.72	16,359.00	7,768.15	30.04	239.47	57.07	2,337.75	747.30	1,942.70	1,753.92	188.78	10.291		
7,000.00	6,908.28	16,359.00	7,768.15	30.49	239.47	57.07	2,337.75	747.30	1,882.33	1,690.09	192.23	9.792		
7,100.00	7,006.84	16,359.00	7,768.15	30.94	239.47	57.07	2,337.75	747.30	1,825.43	1,629.82	195.61	9.332		
7,200.00	7,105.41	16,359.00	7,768.15	31.39	239.47	57.07	2,337.75	747.30	1,772.35	1,573.51	198.84	8.913		
7,300.00	7,203.81	16,359.00	7,768.15	31.85	239.47	82.94	2,337.75	747.30	1,724.85	1,523.09	201.75	8.549		
7,400.00	7,300.02	16,359.00	7,768.15	32.33	239.47	108.46	2,337.75	747.30	1,692.16	1,488.65	203.50	8.315		
7,500.00	7,391.09	16,359.00	7,768.15	32.83	239.47	118.65	2,337.75	747.30	1,677.45	1,473.72	203.73	8.234 SF		
7,527.93	7,415.23	16,359.00	7,768.15	32.97	239.47	120.27	2,337.75	747.30	1,676.71	1,473.20	203.51	8.239 CC, ES		
7,600.00	7,474.26	16,359.00	7,768.15	33.35	239.47	122.93	2,337.75	747.30	1,681.64	1,479.30	202.34	8.311		
7,700.00	7,546.99	16,359.00	7,768.15	33.90	239.47	123.91	2,337.75	747.30	1,704.47	1,505.00	199.47	8.545		
7,800.00	7,607.07	16,359.00	7,768.15	34.51	239.47	122.38	2,337.75	747.30	1,744.53	1,549.07	195.45	8.926		
7,900.00	7,652.68	16,359.00	7,768.15	35.20	239.47	118.35	2,337.75	747.30	1,799.50	1,608.80	190.70	9.436		
8,000.00	7,682.43	16,359.00	7,768.15	36.00	239.47	111.46	2,337.75	747.30	1,866.49	1,680.85	185.64	10.054		
8,100.00	7,695.43	16,359.00	7,768.15	36.92	239.47	101.20	2,337.75	747.30	1,942.34	1,761.72	180.62	10.754		
8,200.00	7,696.00	16,359.00	7,768.15	37.98	239.47	97.97	2,337.75	747.30	2,023.21	1,847.34	175.87	11.504		
8,300.00	7,696.00	16,359.00	7,768.15	39.21	239.47	97.97	2,337.75	747.30	2,105.83	1,934.42	171.41	12.285		
8,400.00	7,696.00	16,359.00	7,768.15	40.59	239.47	97.97	2,337.75	747.30	2,189.90	2,022.67	167.23	13.095		
8,500.00	7,696.00	16,359.00	7,768.15	42.11	239.47	97.97	2,337.75	747.30	2,275.25	2,111.95	163.31	13.932		
8,600.00	7,696.00	16,359.00	7,768.15	43.76	239.47	97.97	2,337.75	747.30	2,361.76	2,202.13	159.63	14.795		
8,700.00	7,696.00	16,359.00	7,768.15	45.51	239.47	97.97	2,337.75	747.30	2,449.30	2,293.12	156.18	15.683		
8,800.00	7,696.00	16,359.00	7,768.15	47.37	239.47	97.97	2,337.75	747.30	2,537.75	2,384.82	152.94	16.593		
8,900.00	7,696.00	16,359.00	7,768.15	49.31	239.47	97.97	2,337.75	747.30	2,627.04	2,477.15	149.89	17.526		
9,000.00	7,696.00	16,359.00	7,768.15	51.33	239.47	97.97	2,337.75	747.30	2,717.07	2,570.04	147.03	18.480		
9,100.00	7,696.00	16,359.00	7,768.15	53.41	239.47	97.97	2,337.75	747.30	2,807.78	2,663.44	144.34	19.453		
9,200.00	7,696.00	16,359.00	7,768.15	55.54	239.47	97.97	2,337.75	747.30	2,899.09	2,757.29	141.80	20.445		
9,300.00	7,696.00	16,359.00	7,768.15	57.73	239.47	97.97	2,337.75	747.30	2,990.97	2,851.55	139.41	21.454		
9,400.00	7,696.00	16,359.00	7,768.15	59.96	239.47	97.97	2,337.75	747.30	3,083.35	2,946.19	137.16	22.480		
9,500.00	7,696.00	16,359.00	7,768.15	62.23	239.47	97.97	2,337.75	747.30	3,176.19	3,041.16	135.03	23.522		
9,600.00	7,696.00	16,359.00	7,768.15	64.54	239.47	97.97	2,337.75	747.30	3,269.45	3,136.43	133.02	24.579		
9,700.00	7,696.00	16,359.00	7,768.15	66.87	239.47	97.97	2,337.75	747.30	3,363.10	3,231.98	131.11	25.650		
9,800.00	7,696.00	16,359.00	7,768.15	69.23	239.47	97.97	2,337.75	747.30	3,457.10	3,327.79	129.31	26.734		
9,900.00	7,696.00	16,359.00	7,768.15	71.62	239.47	97.97	2,337.75	747.30	3,551.44	3,423.83	127.61	27.831		
10,000.00	7,696.00	16,359.00	7,768.15	74.03	239.47	97.97	2,337.75	747.30	3,646.07	3,520.08	125.99	28.940		
10,100.00	7,696.00	16,359.00	7,768.15	76.46	239.47	97.97	2,337.75	747.30	3,740.99	3,616.53	124.45	30.060		
10,200.00	7,696.00	16,359.00	7,768.15	78.91	239.47	97.97	2,337.75	747.30	3,836.16	3,713.17	122.99	31.190		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2133-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	16,359.00	7,768.15	81.37	239.47	97.97	2,337.75	747.30	3,931.57	3,809.96	121.61	32.330		
10,400.00	7,696.00	16,359.00	7,768.15	83.85	239.47	97.97	2,337.75	747.30	4,027.21	3,906.92	120.29	33.480		
10,500.00	7,696.00	16,359.00	7,768.15	86.34	239.47	97.97	2,337.75	747.30	4,123.05	4,004.02	119.03	34.638		
10,600.00	7,696.00	16,359.00	7,768.15	88.84	239.47	97.97	2,337.75	747.30	4,219.08	4,101.25	117.84	35.805		
10,700.00	7,696.00	16,359.00	7,768.15	91.36	239.47	97.97	2,337.75	747.30	4,315.30	4,198.60	116.70	36.979		
10,800.00	7,696.00	16,359.00	7,768.15	93.88	239.47	97.97	2,337.75	747.30	4,411.68	4,296.07	115.61	38.160		
10,900.00	7,696.00	16,359.00	7,768.15	96.42	239.47	97.97	2,337.75	747.30	4,508.22	4,393.65	114.57	39.349		
11,000.00	7,696.00	16,359.00	7,768.15	98.96	239.47	97.97	2,337.75	747.30	4,604.91	4,491.33	113.58	40.544		
11,100.00	7,696.00	16,359.00	7,768.15	101.51	239.47	97.97	2,337.75	747.30	4,701.74	4,589.11	112.63	41.744		
11,200.00	7,696.00	16,359.00	7,768.15	104.07	239.47	97.97	2,337.75	747.30	4,798.70	4,686.97	111.73	42.950		
11,300.00	7,696.00	16,359.00	7,768.15	106.64	239.47	97.97	2,337.75	747.30	4,895.78	4,784.92	110.86	44.162		
11,400.00	7,696.00	16,359.00	7,768.15	109.21	239.47	97.97	2,337.75	747.30	4,992.97	4,882.94	110.03	45.378		
11,500.00	7,696.00	16,359.00	7,768.15	111.79	239.47	97.97	2,337.75	747.30	5,090.27	4,981.04	109.24	46.599		
11,600.00	7,696.00	16,359.00	7,768.15	114.37	239.47	97.97	2,337.75	747.30	5,187.68	5,079.21	108.48	47.823		
11,700.00	7,696.00	16,359.00	7,768.15	116.96	239.47	97.97	2,337.75	747.30	5,285.18	5,177.44	107.75	49.052		
11,800.00	7,696.00	16,359.00	7,768.15	119.56	239.47	97.97	2,337.75	747.30	5,382.78	5,275.73	107.05	50.284		
11,900.00	7,696.00	16,359.00	7,768.15	122.16	239.47	97.97	2,337.75	747.30	5,480.46	5,374.08	106.38	51.520		
12,000.00	7,696.00	16,359.00	7,768.15	124.76	239.47	97.97	2,337.75	747.30	5,578.22	5,472.49	105.73	52.758		
12,100.00	7,696.00	16,359.00	7,768.15	127.37	239.47	97.97	2,337.75	747.30	5,676.07	5,570.95	105.11	53.999		
12,200.00	7,696.00	16,359.00	7,768.15	129.98	239.47	97.97	2,337.75	747.30	5,773.98	5,669.46	104.52	55.243		
12,300.00	7,696.00	16,359.00	7,768.15	132.59	239.47	97.97	2,337.75	747.30	5,871.97	5,768.02	103.95	56.489		
12,400.00	7,696.00	16,359.00	7,768.15	135.21	239.47	97.97	2,337.75	747.30	5,970.02	5,866.62	103.40	57.737		
12,500.00	7,696.00	16,359.00	7,768.15	137.83	239.47	97.97	2,337.75	747.30	6,068.14	5,965.26	102.87	58.987		
12,600.00	7,696.00	16,359.00	7,768.15	140.45	239.47	97.97	2,337.75	747.30	6,166.31	6,063.95	102.37	60.238		
12,700.00	7,696.00	16,359.00	7,768.15	143.08	239.47	97.97	2,337.75	747.30	6,264.55	6,162.67	101.88	61.491		
12,800.00	7,696.00	16,359.00	7,768.15	145.71	239.47	97.97	2,337.75	747.30	6,362.84	6,261.43	101.41	62.745		
12,900.00	7,696.00	16,359.00	7,768.15	148.34	239.47	97.97	2,337.75	747.30	6,461.18	6,360.22	100.96	64.000		
13,000.00	7,696.00	16,359.00	7,768.15	150.97	239.47	97.97	2,337.75	747.30	6,559.57	6,459.05	100.52	65.256		
13,100.00	7,696.00	16,359.00	7,768.15	153.61	239.47	97.97	2,337.75	747.30	6,658.01	6,557.91	100.10	66.513		
13,200.00	7,696.00	16,359.00	7,768.15	156.24	239.47	97.97	2,337.75	747.30	6,756.50	6,656.80	99.70	67.770		
13,300.00	7,696.00	16,359.00	7,768.15	158.88	239.47	97.97	2,337.75	747.30	6,855.02	6,755.72	99.31	69.028		
13,400.00	7,696.00	16,359.00	7,768.15	161.53	239.47	97.97	2,337.75	747.30	6,953.60	6,854.66	98.93	70.286		
13,500.00	7,696.00	16,359.00	7,768.15	164.17	239.47	97.97	2,337.75	747.30	7,052.21	6,953.64	98.57	71.544		
13,600.00	7,696.00	16,359.00	7,768.15	166.81	239.47	97.97	2,337.75	747.30	7,150.86	7,052.63	98.22	72.802		
13,700.00	7,696.00	16,359.00	7,768.15	169.46	239.47	97.97	2,337.75	747.30	7,249.55	7,151.66	97.89	74.060		
13,800.00	7,696.00	16,359.00	7,768.15	172.11	239.47	97.97	2,337.75	747.30	7,348.27	7,250.70	97.56	75.317		
13,900.00	7,696.00	16,359.00	7,768.15	174.76	239.47	97.97	2,337.75	747.30	7,447.03	7,349.77	97.25	76.575		
14,000.00	7,696.00	16,359.00	7,768.15	177.41	239.47	97.97	2,337.75	747.30	7,545.81	7,448.86	96.95	77.832		
14,100.00	7,696.00	16,359.00	7,768.15	180.06	239.47	97.97	2,337.75	747.30	7,644.64	7,547.98	96.66	79.088		
14,200.00	7,696.00	16,359.00	7,768.15	182.72	239.47	97.97	2,337.75	747.30	7,743.49	7,647.11	96.38	80.344		
14,300.00	7,696.00	16,359.00	7,768.15	185.37	239.47	97.97	2,337.75	747.30	7,842.37	7,746.26	96.11	81.599		
14,400.00	7,696.00	16,359.00	7,768.15	188.03	239.47	97.97	2,337.75	747.30	7,941.28	7,845.43	95.85	82.853		
14,500.00	7,696.00	16,359.00	7,768.15	190.69	239.47	97.97	2,337.75	747.30	8,040.21	7,944.62	95.60	84.106		
14,600.00	7,696.00	16,359.00	7,768.15	193.34	239.47	97.97	2,337.75	747.30	8,139.17	8,043.82	95.35	85.359		
14,700.00	7,696.00	16,359.00	7,768.15	196.00	239.47	97.97	2,337.75	747.30	8,238.16	8,143.04	95.12	86.610		
14,800.00	7,696.00	16,359.00	7,768.15	198.66	239.47	97.97	2,337.75	747.30	8,337.17	8,242.28	94.89	87.860		
14,900.00	7,696.00	16,359.00	7,768.15	201.33	239.47	97.97	2,337.75	747.30	8,436.21	8,341.53	94.67	89.109		
15,000.00	7,696.00	16,359.00	7,768.15	203.99	239.47	97.97	2,337.75	747.30	8,535.26	8,440.80	94.46	90.356		
15,100.00	7,696.00	16,359.00	7,768.15	206.65	239.47	97.97	2,337.75	747.30	8,634.34	8,540.08	94.26	91.602		
15,200.00	7,696.00	16,359.00	7,768.15	209.32	239.47	97.97	2,337.75	747.30	8,733.44	8,639.38	94.06	92.847		
15,300.00	7,696.00	16,359.00	7,768.15	211.98	239.47	97.97	2,337.75	747.30	8,832.56	8,738.69	93.87	94.090		
15,400.00	7,696.00	16,359.00	7,768.15	214.65	239.47	97.97	2,337.75	747.30	8,931.70	8,838.01	93.69	95.332		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 34-35 1H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 2133-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,696.00	16,359.00	7,768.15	217.31	239.47	97.97	2,337.75	747.30	9,030.86	8,937.34	93.51	96.572	
15,600.00	7,696.00	16,359.00	7,768.15	219.98	239.47	97.97	2,337.75	747.30	9,130.03	9,036.69	93.34	97.810	
15,700.00	7,696.00	16,359.00	7,768.15	222.65	239.47	97.97	2,337.75	747.30	9,229.23	9,136.05	93.18	99.047	
15,800.00	7,696.00	16,359.00	7,768.15	225.32	239.47	97.97	2,337.75	747.30	9,328.44	9,235.42	93.02	100.281	
15,900.00	7,696.00	16,359.00	7,768.15	227.99	239.47	97.97	2,337.75	747.30	9,427.67	9,334.80	92.87	101.514	
16,000.00	7,696.00	16,359.00	7,768.15	230.66	239.47	97.97	2,337.75	747.30	9,526.91	9,434.19	92.72	102.746	
16,100.00	7,696.00	16,359.00	7,768.15	233.33	239.47	97.97	2,337.75	747.30	9,626.17	9,533.59	92.58	103.975	
16,200.00	7,696.00	16,359.00	7,768.15	236.00	239.47	97.97	2,337.75	747.30	9,725.45	9,633.00	92.45	105.202	
16,300.00	7,696.00	16,359.00	7,768.15	238.67	239.47	97.97	2,337.75	747.30	9,824.74	9,732.42	92.31	106.428	
16,400.00	7,696.00	16,359.00	7,768.15	241.34	239.47	97.97	2,337.75	747.30	9,924.04	9,831.85	92.19	107.651	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,642.85	7,812.50	0.00	269.08	-1.44	1,888.72	-47.33	8,122.29					
100.00	100.00	17,643.57	7,812.51	0.13	269.10	-1.46	1,888.68	-48.05	8,025.07	7,922.21	102.86	78.019		
200.00	200.00	17,644.29	7,812.51	0.49	269.11	-1.48	1,888.64	-48.77	7,927.91	7,824.59	103.32	76.730		
300.00	300.00	17,645.02	7,812.52	0.85	269.13	-1.50	1,888.60	-49.49	7,830.83	7,727.02	103.81	75.436		
400.00	399.98	17,646.10	7,812.52	1.21	269.16	14.11	1,888.55	-50.57	7,733.43	7,629.13	104.29	74.150		
500.00	499.84	17,645.15	7,812.51	1.57	269.14	16.81	1,888.61	-49.63	7,635.37	7,530.64	104.72	72.909		
600.00	599.45	17,647.17	7,812.53	1.94	269.19	20.55	1,888.51	-51.64	7,536.74	7,431.62	105.13	71.691		
700.00	698.70	17,649.76	7,812.54	2.32	269.26	26.23	1,888.38	-54.23	7,437.66	7,332.18	105.48	70.513		
800.00	797.47	17,652.92	7,812.56	2.72	269.34	34.06	1,888.22	-57.38	7,338.22	7,232.45	105.78	69.375		
900.00	896.03	17,656.30	7,812.58	3.14	269.43	33.80	1,888.06	-60.76	7,238.68	7,132.64	106.05	68.259		
1,000.00	994.59	17,659.69	7,812.61	3.57	269.52	33.55	1,887.89	-64.14	7,139.15	7,032.82	106.33	67.141		
1,100.00	1,093.16	17,663.08	7,812.63	4.00	269.62	33.29	1,887.72	-67.53	7,039.63	6,933.01	106.62	66.023		
1,200.00	1,191.72	17,666.47	7,812.65	4.44	269.71	33.03	1,887.56	-70.92	6,940.13	6,833.20	106.93	64.904		
1,300.00	1,290.28	17,669.88	7,812.67	4.88	269.80	32.77	1,887.39	-74.32	6,840.63	6,733.39	107.25	63.784		
1,400.00	1,388.84	17,673.29	7,812.69	5.32	269.89	32.51	1,887.23	-77.73	6,741.15	6,633.58	107.57	62.665		
1,500.00	1,487.40	17,676.70	7,812.71	5.76	269.98	32.24	1,887.06	-81.14	6,641.69	6,533.77	107.91	61.546		
1,600.00	1,585.96	17,680.12	7,812.73	6.20	270.07	31.98	1,886.90	-84.55	6,542.23	6,433.97	108.27	60.427		
1,700.00	1,684.52	17,683.55	7,812.76	6.65	270.16	31.71	1,886.74	-87.98	6,442.79	6,334.16	108.63	59.310		
1,800.00	1,783.09	17,686.98	7,812.78	7.09	270.25	31.44	1,886.58	-91.40	6,343.37	6,234.37	109.01	58.193		
1,900.00	1,881.65	17,690.42	7,812.80	7.54	270.34	31.18	1,886.42	-94.84	6,243.97	6,134.57	109.40	57.077		
2,000.00	1,980.21	17,693.86	7,812.82	7.99	270.44	30.91	1,886.26	-98.28	6,144.58	6,034.78	109.80	55.962		
2,100.00	2,078.77	17,697.31	7,812.84	8.43	270.53	30.63	1,886.10	-101.72	6,045.21	5,934.99	110.21	54.850		
2,200.00	2,177.33	17,700.76	7,812.86	8.88	270.62	30.36	1,885.94	-105.17	5,945.85	5,835.21	110.64	53.738		
2,300.00	2,275.89	17,704.22	7,812.88	9.33	270.71	30.08	1,885.78	-108.63	5,846.52	5,735.43	111.09	52.629		
2,400.00	2,374.45	17,707.69	7,812.90	9.78	270.80	29.81	1,885.62	-112.09	5,747.21	5,635.66	111.55	51.522		
2,500.00	2,473.02	17,711.16	7,812.92	10.23	270.90	29.53	1,885.47	-115.56	5,647.92	5,535.89	112.03	50.416		
2,600.00	2,571.58	17,714.64	7,812.94	10.67	270.99	29.25	1,885.31	-119.03	5,548.65	5,436.13	112.52	49.314		
2,700.00	2,670.14	17,718.12	7,812.97	11.12	271.08	28.97	1,885.16	-122.51	5,449.41	5,336.38	113.03	48.213		
2,800.00	2,768.70	17,721.61	7,812.99	11.57	271.18	28.69	1,885.01	-126.00	5,350.19	5,236.64	113.56	47.115		
2,900.00	2,867.26	17,725.10	7,813.01	12.02	271.38	28.42	1,884.86	-129.29	5,251.00	5,136.86	114.14	46.003		
3,000.00	2,965.82	17,728.77	7,813.03	12.47	271.37	28.11	1,884.69	-133.16	5,151.84	5,037.17	114.67	44.928		
3,100.00	3,064.38	17,732.64	7,813.05	12.92	271.47	27.79	1,884.53	-137.02	5,052.71	4,937.45	115.26	43.837		
3,200.00	3,162.95	17,736.51	7,813.07	13.37	271.57	27.48	1,884.36	-140.89	4,953.61	4,837.74	115.87	42.750		
3,300.00	3,261.51	17,740.38	7,813.10	13.82	271.68	27.16	1,884.19	-144.75	4,854.55	4,738.04	116.51	41.666		
3,400.00	3,360.07	17,744.25	7,813.12	14.27	271.78	26.84	1,884.02	-148.62	4,755.52	4,638.35	117.17	40.586		
3,500.00	3,458.63	17,748.12	7,813.14	14.72	271.88	26.52	1,883.86	-152.48	4,656.53	4,538.67	117.86	39.510		
3,600.00	3,557.19	17,751.99	7,813.17	15.17	271.99	26.20	1,883.69	-156.35	4,557.58	4,439.01	118.57	38.437		
3,700.00	3,655.75	17,755.86	7,813.19	15.62	272.09	25.88	1,883.52	-160.21	4,458.67	4,339.36	119.32	37.368		
3,800.00	3,754.32	17,759.72	7,813.21	16.07	272.19	25.55	1,883.35	-164.08	4,359.81	4,239.72	120.09	36.304		
3,900.00	3,852.88	17,763.59	7,813.24	16.52	272.30	25.23	1,883.19	-167.94	4,261.00	4,140.10	120.90	35.243		
4,000.00	3,951.44	17,767.46	7,813.26	16.97	272.40	24.91	1,883.02	-171.81	4,162.25	4,040.50	121.75	34.188		
4,100.00	4,050.00	17,771.33	7,813.28	17.42	272.50	24.58	1,882.85	-175.67	4,063.55	3,940.92	122.63	33.136		
4,200.00	4,148.56	17,775.20	7,813.30	17.87	272.60	24.25	1,882.68	-179.54	3,964.91	3,841.35	123.56	32.090		
4,300.00	4,247.12	17,779.07	7,813.33	18.32	272.71	23.93	1,882.52	-183.40	3,866.34	3,741.81	124.53	31.049		
4,400.00	4,345.68	17,782.94	7,813.35	18.77	272.81	23.60	1,882.35	-187.27	3,767.84	3,642.29	125.54	30.012		
4,500.00	4,444.25	17,779.00	7,813.33	19.22	272.71	23.93	1,882.52	-183.33	3,669.42	3,542.88	126.54	28.998		
4,600.00	4,542.81	17,779.00	7,813.33	19.67	272.71	23.93	1,882.52	-183.33	3,571.09	3,443.46	127.63	27.980		
4,700.00	4,641.37	17,779.00	7,813.33	20.12	272.71	23.93	1,882.52	-183.33	3,472.86	3,344.08	128.78	26.968		
4,800.00	4,739.93	17,779.00	7,813.33	20.57	272.71	23.93	1,882.52	-183.33	3,374.73	3,244.73	129.99	25.961		
4,900.00	4,838.49	17,779.00	7,813.33	21.02	272.71	23.93	1,882.52	-183.33	3,276.71	3,145.43	131.28	24.960		
5,000.00	4,937.05	17,779.00	7,813.33	21.47	272.71	23.93	1,882.52	-183.33	3,178.82	3,046.17	132.65	23.965		
5,100.00	5,035.61	17,779.00	7,813.33	21.92	272.71	23.93	1,882.52	-183.33	3,081.06	2,946.96	134.10	22.976		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	17,779.00	7,813.33	22.38	272.71	23.93	1,882.52	-183.33	2,983.45	2,847.80	135.64	21.995		
5,300.00	5,232.74	17,779.00	7,813.33	22.83	272.71	23.93	1,882.52	-183.33	2,886.00	2,748.71	137.29	21.021		
5,400.00	5,331.30	17,779.00	7,813.33	23.28	272.71	23.93	1,882.52	-183.33	2,788.73	2,649.68	139.06	20.054		
5,500.00	5,429.86	17,779.00	7,813.33	23.73	272.71	23.93	1,882.52	-183.33	2,691.67	2,550.72	140.95	19.097		
5,600.00	5,528.42	17,779.00	7,813.33	24.18	272.71	23.93	1,882.52	-183.33	2,594.83	2,451.85	142.98	18.148		
5,700.00	5,626.98	17,779.00	7,813.33	24.63	272.71	23.93	1,882.52	-183.33	2,498.23	2,353.07	145.17	17.209		
5,800.00	5,725.54	17,779.00	7,813.33	25.08	272.71	23.93	1,882.52	-183.33	2,401.92	2,254.39	147.53	16.281		
5,900.00	5,824.11	17,779.00	7,813.33	25.53	272.71	23.93	1,882.52	-183.33	2,305.92	2,155.83	150.08	15.364		
6,000.00	5,922.67	17,779.00	7,813.33	25.98	272.71	23.93	1,882.52	-183.33	2,210.27	2,057.41	152.86	14.460		
6,100.00	6,021.23	17,779.00	7,813.33	26.43	272.71	23.93	1,882.52	-183.33	2,115.03	1,959.15	155.88	13.569		
6,200.00	6,119.79	17,779.00	7,813.33	26.88	272.71	23.93	1,882.52	-183.33	2,020.24	1,861.07	159.17	12.692		
6,300.00	6,218.35	17,779.00	7,813.33	27.33	272.71	23.93	1,882.52	-183.33	1,925.99	1,763.20	162.78	11.832		
6,400.00	6,316.91	17,779.00	7,813.33	27.78	272.71	23.93	1,882.52	-183.33	1,832.34	1,665.59	166.75	10.988		
6,500.00	6,415.48	17,779.00	7,813.33	28.23	272.71	23.93	1,882.52	-183.33	1,739.40	1,568.27	171.12	10.165		
6,600.00	6,514.04	17,779.00	7,813.33	28.69	272.71	23.93	1,882.52	-183.33	1,647.29	1,471.33	175.96	9.362		
6,700.00	6,612.60	17,779.00	7,813.33	29.14	272.71	23.93	1,882.52	-183.33	1,556.15	1,374.83	181.32	8.582		
6,800.00	6,711.16	17,779.00	7,813.33	29.59	272.71	23.93	1,882.52	-183.33	1,466.16	1,278.88	187.28	7.829		
6,900.00	6,809.72	17,779.00	7,813.33	30.04	272.71	23.93	1,882.52	-183.33	1,377.56	1,183.64	193.92	7.104		
7,000.00	6,908.28	17,779.00	7,813.33	30.49	272.71	23.93	1,882.52	-183.33	1,290.63	1,089.30	201.33	6.411		
7,100.00	7,006.84	17,779.00	7,813.33	30.94	272.71	23.93	1,882.52	-183.33	1,205.72	996.14	209.58	5.753		
7,200.00	7,105.41	17,779.00	7,813.33	31.39	272.71	23.93	1,882.52	-183.33	1,123.30	904.53	218.77	5.135		
7,300.00	7,203.81	17,779.00	7,813.33	31.85	272.71	54.11	1,882.52	-183.33	1,044.26	815.37	228.89	4.562		
7,400.00	7,300.02	17,779.00	7,813.33	32.33	272.71	86.93	1,882.52	-183.33	972.28	732.84	239.44	4.061		
7,500.00	7,391.09	17,779.00	7,813.33	32.83	272.71	102.80	1,882.52	-183.33	911.66	662.26	249.40	3.655		
7,600.00	7,474.26	17,779.00	7,813.33	33.35	272.71	111.50	1,882.52	-183.33	866.80	609.52	257.29	3.369		
7,700.00	7,546.99	17,779.00	7,813.33	33.90	272.71	116.14	1,882.52	-183.33	841.68	580.31	261.37	3.220		
7,762.40	7,586.09	17,779.00	7,813.33	34.27	272.71	117.55	1,882.52	-183.33	837.22	575.80	261.42	3.203	CC, ES, SF	
7,800.00	7,607.07	17,779.00	7,813.33	34.51	272.71	117.93	1,882.52	-183.33	838.84	578.41	260.43	3.221		
7,900.00	7,652.68	17,779.00	7,813.33	35.20	272.71	117.29	1,882.52	-183.33	858.60	604.16	254.44	3.374		
8,000.00	7,682.43	17,779.00	7,813.33	36.00	272.71	114.24	1,882.52	-183.33	898.90	654.22	244.67	3.674		
8,100.00	7,695.43	17,779.00	7,813.33	36.92	272.71	108.45	1,882.52	-183.33	956.01	723.03	232.99	4.103		
8,200.00	7,696.00	17,779.00	7,813.33	37.98	272.71	106.46	1,882.52	-183.33	1,024.24	803.14	221.10	4.633		
8,300.00	7,696.00	17,779.00	7,813.33	39.21	272.71	106.46	1,882.52	-183.33	1,097.52	887.59	209.93	5.228		
8,400.00	7,696.00	17,779.00	7,813.33	40.59	272.71	106.46	1,882.52	-183.33	1,174.76	975.13	199.62	5.885		
8,500.00	7,696.00	17,779.00	7,813.33	42.11	272.71	106.46	1,882.52	-183.33	1,255.20	1,065.00	190.21	6.599		
8,600.00	7,696.00	17,779.00	7,813.33	43.76	272.71	106.46	1,882.52	-183.33	1,338.29	1,156.64	181.65	7.367		
8,700.00	7,696.00	17,779.00	7,813.33	45.51	272.71	106.46	1,882.52	-183.33	1,423.56	1,249.65	173.90	8.186		
8,800.00	7,696.00	17,779.00	7,813.33	47.37	272.71	106.46	1,882.52	-183.33	1,510.63	1,343.74	166.89	9.051		
8,900.00	7,696.00	17,779.00	7,813.33	49.31	272.71	106.46	1,882.52	-183.33	1,599.22	1,438.67	160.55	9.961		
9,000.00	7,696.00	17,779.00	7,813.33	51.33	272.71	106.46	1,882.52	-183.33	1,689.08	1,534.28	154.80	10.911		
9,100.00	7,696.00	17,779.00	7,813.33	53.41	272.71	106.46	1,882.52	-183.33	1,780.02	1,630.44	149.58	11.900		
9,200.00	7,696.00	17,779.00	7,813.33	55.54	272.71	106.46	1,882.52	-183.33	1,871.89	1,727.05	144.84	12.924		
9,300.00	7,696.00	17,779.00	7,813.33	57.73	272.71	106.46	1,882.52	-183.33	1,964.55	1,824.03	140.51	13.981		
9,400.00	7,696.00	17,779.00	7,813.33	59.96	272.71	106.46	1,882.52	-183.33	2,057.90	1,921.33	136.57	15.069		
9,500.00	7,696.00	17,779.00	7,813.33	62.23	272.71	106.46	1,882.52	-183.33	2,151.84	2,018.89	132.95	16.185		
9,600.00	7,696.00	17,779.00	7,813.33	64.54	272.71	106.46	1,882.52	-183.33	2,246.31	2,116.67	129.64	17.327		
9,700.00	7,696.00	17,779.00	7,813.33	66.87	272.71	106.46	1,882.52	-183.33	2,341.24	2,214.64	126.60	18.494		
9,800.00	7,696.00	17,779.00	7,813.33	69.23	272.71	106.46	1,882.52	-183.33	2,436.57	2,312.78	123.79	19.683		
9,900.00	7,696.00	17,779.00	7,813.33	71.62	272.71	106.46	1,882.52	-183.33	2,532.27	2,411.07	121.20	20.893		
10,000.00	7,696.00	17,779.00	7,813.33	74.03	272.71	106.46	1,882.52	-183.33	2,628.28	2,509.47	118.81	22.122		
10,100.00	7,696.00	17,779.00	7,813.33	76.46	272.71	106.46	1,882.52	-183.33	2,724.59	2,607.99	116.59	23.369		
10,200.00	7,696.00	17,779.00	7,813.33	78.91	272.71	106.46	1,882.52	-183.33	2,821.14	2,706.61	114.53	24.631		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,696.00	17,779.00	7,813.33	81.37	272.71	106.46	1,882.52	-183.33	2,917.93	2,805.31	112.62	25.909	
10,400.00	7,696.00	17,779.00	7,813.33	83.85	272.71	106.46	1,882.52	-183.33	3,014.93	2,904.09	110.84	27.200	
10,500.00	7,696.00	17,779.00	7,813.33	86.34	272.71	106.46	1,882.52	-183.33	3,112.12	3,002.94	109.18	28.504	
10,600.00	7,696.00	17,779.00	7,813.33	88.84	272.71	106.46	1,882.52	-183.33	3,209.49	3,101.86	107.63	29.819	
10,700.00	7,696.00	17,779.00	7,813.33	91.36	272.71	106.46	1,882.52	-183.33	3,307.01	3,200.82	106.18	31.144	
10,800.00	7,696.00	17,779.00	7,813.33	93.88	272.71	106.46	1,882.52	-183.33	3,404.67	3,299.84	104.83	32.479	
10,900.00	7,696.00	17,779.00	7,813.33	96.42	272.71	106.46	1,882.52	-183.33	3,502.47	3,398.91	103.56	33.822	
11,000.00	7,696.00	17,779.00	7,813.33	98.96	272.71	106.46	1,882.52	-183.33	3,600.38	3,498.02	102.36	35.172	
11,100.00	7,696.00	17,779.00	7,813.33	101.51	272.71	106.46	1,882.52	-183.33	3,698.41	3,597.17	101.24	36.529	
11,200.00	7,696.00	17,779.00	7,813.33	104.07	272.71	106.46	1,882.52	-183.33	3,796.54	3,696.35	100.19	37.893	
11,300.00	7,696.00	17,779.00	7,813.33	106.64	272.71	106.46	1,882.52	-183.33	3,894.77	3,795.57	99.20	39.262	
11,400.00	7,696.00	17,779.00	7,813.33	109.21	272.71	106.46	1,882.52	-183.33	3,993.08	3,894.82	98.27	40.635	
11,500.00	7,696.00	17,779.00	7,813.33	111.79	272.71	106.46	1,882.52	-183.33	4,091.48	3,994.09	97.39	42.013	
11,600.00	7,696.00	17,779.00	7,813.33	114.37	272.71	106.46	1,882.52	-183.33	4,189.95	4,093.40	96.56	43.394	
11,700.00	7,696.00	17,779.00	7,813.33	116.96	272.71	106.46	1,882.52	-183.33	4,288.50	4,192.72	95.77	44.778	
11,800.00	7,696.00	17,779.00	7,813.33	119.56	272.71	106.46	1,882.52	-183.33	4,387.10	4,292.07	95.03	46.165	
11,900.00	7,696.00	17,779.00	7,813.33	122.16	272.71	106.46	1,882.52	-183.33	4,485.77	4,391.44	94.33	47.554	
12,000.00	7,696.00	17,779.00	7,813.33	124.76	272.71	106.46	1,882.52	-183.33	4,584.50	4,490.83	93.67	48.944	
12,100.00	7,696.00	17,779.00	7,813.33	127.37	272.71	106.46	1,882.52	-183.33	4,683.28	4,590.24	93.04	50.336	
12,200.00	7,696.00	17,779.00	7,813.33	129.98	272.71	106.46	1,882.52	-183.33	4,782.12	4,689.67	92.45	51.729	
12,300.00	7,696.00	17,779.00	7,813.33	132.59	272.71	106.46	1,882.52	-183.33	4,881.00	4,789.12	91.88	53.123	
12,400.00	7,696.00	17,779.00	7,813.33	135.21	272.71	106.46	1,882.52	-183.33	4,979.92	4,888.57	91.35	54.517	
12,500.00	7,696.00	17,779.00	7,813.33	137.83	272.71	106.46	1,882.52	-183.33	5,078.89	4,988.05	90.84	55.911	
12,600.00	7,696.00	17,779.00	7,813.33	140.45	272.71	106.46	1,882.52	-183.33	5,177.89	5,087.54	90.36	57.304	
12,700.00	7,696.00	17,779.00	7,813.33	143.08	272.71	106.46	1,882.52	-183.33	5,276.94	5,187.04	89.90	58.698	
12,800.00	7,696.00	17,779.00	7,813.33	145.71	272.71	106.46	1,882.52	-183.33	5,376.02	5,286.55	89.47	60.090	
12,900.00	7,696.00	17,779.00	7,813.33	148.34	272.71	106.46	1,882.52	-183.33	5,475.13	5,386.08	89.05	61.482	
13,000.00	7,696.00	17,779.00	7,813.33	150.97	272.71	106.46	1,882.52	-183.33	5,574.28	5,485.62	88.66	62.872	
13,100.00	7,696.00	17,779.00	7,813.33	153.61	272.71	106.46	1,882.52	-183.33	5,673.45	5,585.16	88.29	64.261	
13,200.00	7,696.00	17,779.00	7,813.33	156.24	272.71	106.46	1,882.52	-183.33	5,772.65	5,684.72	87.93	65.649	
13,300.00	7,696.00	17,779.00	7,813.33	158.88	272.71	106.46	1,882.52	-183.33	5,871.88	5,784.29	87.59	67.035	
13,400.00	7,696.00	17,779.00	7,813.33	161.53	272.71	106.46	1,882.52	-183.33	5,971.14	5,883.87	87.27	68.419	
13,500.00	7,696.00	17,779.00	7,813.33	164.17	272.71	106.46	1,882.52	-183.33	6,070.42	5,983.45	86.97	69.801	
13,600.00	7,696.00	17,779.00	7,813.33	166.81	272.71	106.46	1,882.52	-183.33	6,169.72	6,083.05	86.68	71.182	
13,700.00	7,696.00	17,779.00	7,813.33	169.46	272.71	106.46	1,882.52	-183.33	6,269.05	6,182.65	86.40	72.560	
13,800.00	7,696.00	17,779.00	7,813.33	172.11	272.71	106.46	1,882.52	-183.33	6,368.40	6,282.26	86.13	73.935	
13,900.00	7,696.00	17,779.00	7,813.33	174.76	272.71	106.46	1,882.52	-183.33	6,467.76	6,381.88	85.88	75.309	
14,000.00	7,696.00	17,779.00	7,813.33	177.41	272.71	106.46	1,882.52	-183.33	6,567.15	6,481.50	85.64	76.679	
14,100.00	7,696.00	17,779.00	7,813.33	180.06	272.71	106.46	1,882.52	-183.33	6,666.55	6,581.14	85.42	78.048	
14,200.00	7,696.00	17,779.00	7,813.33	182.72	272.71	106.46	1,882.52	-183.33	6,765.98	6,680.78	85.20	79.413	
14,300.00	7,696.00	17,779.00	7,813.33	185.37	272.71	106.46	1,882.52	-183.33	6,865.41	6,780.42	84.99	80.776	
14,400.00	7,696.00	17,779.00	7,813.33	188.03	272.71	106.46	1,882.52	-183.33	6,964.87	6,880.07	84.80	82.136	
14,500.00	7,696.00	17,779.00	7,813.33	190.69	272.71	106.46	1,882.52	-183.33	7,064.34	6,979.73	84.61	83.494	
14,600.00	7,696.00	17,779.00	7,813.33	193.34	272.71	106.46	1,882.52	-183.33	7,163.82	7,079.39	84.43	84.848	
14,700.00	7,696.00	17,779.00	7,813.33	196.00	272.71	106.46	1,882.52	-183.33	7,263.32	7,179.06	84.26	86.200	
14,800.00	7,696.00	17,779.00	7,813.33	198.66	272.71	106.46	1,882.52	-183.33	7,362.84	7,278.74	84.10	87.548	
14,900.00	7,696.00	17,779.00	7,813.33	201.33	272.71	106.46	1,882.52	-183.33	7,462.36	7,378.41	83.95	88.893	
15,000.00	7,696.00	17,779.00	7,813.33	203.99	272.71	106.46	1,882.52	-183.33	7,561.90	7,478.10	83.80	90.236	
15,100.00	7,696.00	17,779.00	7,813.33	206.65	272.71	106.46	1,882.52	-183.33	7,661.45	7,577.79	83.66	91.575	
15,200.00	7,696.00	17,779.00	7,813.33	209.32	272.71	106.46	1,882.52	-183.33	7,761.01	7,677.48	83.53	92.911	
15,300.00	7,696.00	17,779.00	7,813.33	211.98	272.71	106.46	1,882.52	-183.33	7,860.59	7,777.18	83.41	94.244	
15,400.00	7,696.00	17,779.00	7,813.33	214.65	272.71	106.46	1,882.52	-183.33	7,960.17	7,876.88	83.29	95.573	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1CH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,696.00	17,779.00	7,813.33	217.31	272.71	106.46	1,882.52	-183.33	8,059.76	7,976.59	83.18	96.899	
15,600.00	7,696.00	17,779.00	7,813.33	219.98	272.71	106.46	1,882.52	-183.33	8,159.37	8,076.30	83.07	98.222	
15,700.00	7,696.00	17,779.00	7,813.33	222.65	272.71	106.46	1,882.52	-183.33	8,258.98	8,176.01	82.97	99.542	
15,800.00	7,696.00	17,779.00	7,813.33	225.32	272.71	106.46	1,882.52	-183.33	8,358.60	8,275.73	82.87	100.858	
15,900.00	7,696.00	17,779.00	7,813.33	227.99	272.71	106.46	1,882.52	-183.33	8,458.23	8,375.45	82.78	102.171	
16,000.00	7,696.00	17,779.00	7,813.33	230.66	272.71	106.46	1,882.52	-183.33	8,557.88	8,475.18	82.70	103.481	
16,100.00	7,696.00	17,779.00	7,813.33	233.33	272.71	106.46	1,882.52	-183.33	8,657.52	8,574.90	82.62	104.787	
16,200.00	7,696.00	17,779.00	7,813.33	236.00	272.71	106.46	1,882.52	-183.33	8,757.18	8,674.64	82.54	106.090	
16,300.00	7,696.00	17,779.00	7,813.33	238.67	272.71	106.46	1,882.52	-183.33	8,856.84	8,774.37	82.47	107.390	
16,400.00	7,696.00	17,779.00	7,813.33	241.34	272.71	106.46	1,882.52	-183.33	8,956.52	8,874.11	82.41	108.686	
16,500.00	7,696.00	17,779.00	7,813.33	244.02	272.71	106.46	1,882.52	-183.33	9,056.20	8,973.85	82.35	109.978	
16,600.00	7,696.00	17,779.00	7,813.33	246.69	272.71	106.46	1,882.52	-183.33	9,155.88	9,073.59	82.29	111.267	
16,700.00	7,696.00	17,779.00	7,813.33	249.36	272.71	106.46	1,882.52	-183.33	9,255.57	9,173.34	82.23	112.553	
16,800.00	7,696.00	17,779.00	7,813.33	252.04	272.71	106.46	1,882.52	-183.33	9,355.27	9,273.09	82.18	113.835	
16,900.00	7,696.00	17,779.00	7,813.33	254.71	272.71	106.46	1,882.52	-183.33	9,454.98	9,372.84	82.14	115.114	
17,000.00	7,696.00	17,779.00	7,813.33	257.39	272.71	106.46	1,882.52	-183.33	9,554.69	9,472.60	82.09	116.389	
17,100.00	7,696.00	17,779.00	7,813.33	260.07	272.71	106.46	1,882.52	-183.33	9,654.41	9,572.36	82.05	117.661	
17,200.00	7,696.00	17,779.00	7,813.33	262.74	272.71	106.46	1,882.52	-183.33	9,754.13	9,672.12	82.02	118.929	
17,300.00	7,696.00	17,779.00	7,813.33	265.42	272.71	106.46	1,882.52	-183.33	9,853.86	9,771.88	81.98	120.194	
17,400.00	7,696.00	17,779.00	7,813.33	268.10	272.71	106.46	1,882.52	-183.33	9,953.60	9,871.64	81.95	121.455	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,337.78	7,726.25	0.00	261.66	6.52	1,548.98	177.02	7,967.77					
100.00	100.00	17,338.57	7,726.26	0.13	261.68	6.49	1,549.05	176.23	7,869.73	7,774.15	95.58	82.337		
200.00	200.00	17,339.36	7,726.26	0.49	261.70	6.46	1,549.11	175.44	7,771.74	7,675.81	95.93	81.017		
300.00	300.00	17,340.15	7,726.27	0.85	261.72	6.43	1,549.17	174.66	7,673.80	7,577.50	96.29	79.691		
400.00	399.98	17,341.56	7,726.28	1.21	261.76	23.97	1,549.28	173.26	7,575.59	7,478.93	96.66	78.370		
500.00	499.84	17,344.19	7,726.30	1.57	261.83	29.41	1,549.49	170.63	7,476.87	7,379.86	97.01	77.072		
600.00	599.45	17,348.05	7,726.32	1.94	261.93	37.52	1,549.79	166.79	7,377.74	7,280.42	97.32	75.808		
700.00	698.70	17,353.14	7,726.36	2.32	262.07	50.25	1,550.18	161.71	7,278.30	7,180.71	97.59	74.579		
800.00	797.47	17,359.48	7,726.40	2.72	262.24	66.98	1,550.68	155.38	7,178.66	7,080.84	97.82	73.386		
900.00	896.03	17,366.26	7,726.45	3.14	262.42	66.52	1,551.20	148.63	7,078.96	6,980.93	98.03	72.211		
1,000.00	994.59	17,373.01	7,726.50	3.57	262.60	66.06	1,551.72	141.89	6,979.28	6,881.03	98.25	71.036		
1,100.00	1,093.16	17,379.74	7,726.54	4.00	262.78	65.60	1,552.23	135.18	6,879.59	6,781.11	98.48	69.860		
1,200.00	1,191.72	17,386.45	7,726.59	4.44	262.96	65.12	1,552.74	128.49	6,779.91	6,681.20	98.71	68.684		
1,300.00	1,290.28	17,393.14	7,726.63	4.88	263.14	64.64	1,553.24	121.83	6,680.23	6,581.28	98.95	67.508		
1,400.00	1,388.84	17,399.80	7,726.68	5.32	263.32	64.15	1,553.74	115.18	6,580.56	6,481.36	99.20	66.333		
1,500.00	1,487.40	17,406.45	7,726.72	5.76	263.50	63.66	1,554.24	108.56	6,480.89	6,381.43	99.46	65.159		
1,600.00	1,585.96	17,413.07	7,726.77	6.20	263.68	63.15	1,554.73	101.95	6,381.23	6,281.50	99.73	63.986		
1,700.00	1,684.52	17,419.67	7,726.81	6.65	263.85	62.64	1,555.22	95.37	6,281.56	6,181.56	100.00	62.814		
1,800.00	1,783.09	17,426.24	7,726.85	7.09	264.03	62.13	1,555.71	88.81	6,181.91	6,081.62	100.28	61.644		
1,900.00	1,881.65	17,432.80	7,726.90	7.54	264.21	61.60	1,556.19	82.28	6,082.26	5,981.68	100.57	60.475		
2,000.00	1,980.21	17,439.33	7,726.94	7.99	264.38	61.07	1,556.66	75.76	5,982.61	5,881.74	100.87	59.308		
2,100.00	2,078.77	17,445.85	7,726.98	8.43	264.56	60.53	1,557.13	69.26	5,882.97	5,781.79	101.18	58.144		
2,200.00	2,177.33	17,453.86	7,727.03	8.88	264.77	59.85	1,557.71	61.27	5,783.34	5,681.82	101.51	56.971		
2,300.00	2,275.89	17,461.83	7,727.09	9.33	264.98	59.17	1,558.26	53.32	5,683.70	5,581.85	101.86	55.801		
2,400.00	2,374.45	17,469.74	7,727.14	9.78	265.20	58.47	1,558.79	45.43	5,584.08	5,481.87	102.21	54.635		
2,500.00	2,473.02	17,477.58	7,727.19	10.23	265.41	57.77	1,559.30	37.60	5,484.46	5,381.89	102.57	53.472		
2,600.00	2,571.58	17,485.35	7,727.24	10.67	265.61	57.06	1,559.79	29.85	5,384.84	5,281.91	102.94	52.313		
2,700.00	2,670.14	17,493.06	7,727.30	11.12	265.82	56.34	1,560.26	22.16	5,285.24	5,181.92	103.31	51.157		
2,800.00	2,768.70	17,500.70	7,727.35	11.57	266.03	55.62	1,560.71	14.53	5,185.63	5,081.93	103.70	50.005		
2,900.00	2,867.26	17,508.27	7,727.41	12.02	266.23	54.88	1,561.14	6.97	5,086.04	4,981.94	104.10	48.857		
3,000.00	2,965.82	17,515.79	7,727.46	12.47	266.43	54.14	1,561.55	-0.53	4,986.45	4,881.94	104.51	47.713		
3,100.00	3,064.38	17,523.23	7,727.51	12.92	266.63	53.40	1,561.95	-7.97	4,886.88	4,781.95	104.93	46.573		
3,200.00	3,162.95	17,530.62	7,727.57	13.37	266.83	52.64	1,562.32	-15.34	4,787.31	4,681.94	105.36	45.436		
3,300.00	3,261.51	17,537.94	7,727.62	13.82	267.03	51.88	1,562.68	-22.66	4,687.75	4,581.94	105.81	44.304		
3,400.00	3,360.07	17,545.20	7,727.68	14.27	267.22	51.11	1,563.03	-29.91	4,588.20	4,481.93	106.27	43.176		
3,500.00	3,458.63	17,552.40	7,727.73	14.72	267.41	50.33	1,563.35	-37.10	4,488.66	4,381.92	106.74	42.052		
3,600.00	3,557.19	17,555.70	7,727.76	15.17	267.50	49.97	1,563.52	-40.40	4,389.14	4,281.96	107.18	40.949		
3,700.00	3,655.75	17,561.46	7,727.80	15.62	267.66	49.33	1,563.79	-46.15	4,289.63	4,181.96	107.68	39.839		
3,800.00	3,754.32	17,567.22	7,727.84	16.07	267.81	48.68	1,564.06	-51.90	4,190.14	4,081.96	108.18	38.732		
3,900.00	3,852.88	17,572.96	7,727.89	16.52	267.97	48.03	1,564.33	-57.64	4,090.67	3,981.96	108.71	37.629		
4,000.00	3,951.44	17,578.70	7,727.93	16.97	268.12	47.37	1,564.59	-63.37	3,991.21	3,881.95	109.26	36.529		
4,100.00	4,050.00	17,584.43	7,727.97	17.42	268.27	46.69	1,564.86	-69.09	3,891.78	3,781.94	109.83	35.434		
4,200.00	4,148.56	17,590.15	7,728.01	17.87	268.43	46.01	1,565.12	-74.81	3,792.36	3,681.93	110.43	34.343		
4,300.00	4,247.12	17,595.86	7,728.06	18.32	268.58	45.32	1,565.37	-80.51	3,692.97	3,581.92	111.05	33.255		
4,400.00	4,345.68	17,601.57	7,728.10	18.77	268.73	44.63	1,565.63	-86.21	3,593.60	3,481.91	111.70	32.172		
4,500.00	4,444.25	17,607.26	7,728.14	19.22	268.89	43.92	1,565.89	-91.90	3,494.26	3,381.89	112.38	31.094		
4,600.00	4,542.81	17,612.95	7,728.19	19.67	269.04	43.21	1,566.14	-97.59	3,394.96	3,281.86	113.09	30.019		
4,700.00	4,641.37	17,618.63	7,728.23	20.12	269.19	42.49	1,566.39	-103.26	3,295.68	3,181.84	113.84	28.949		
4,800.00	4,739.93	17,624.30	7,728.27	20.57	269.34	41.76	1,566.64	-108.92	3,196.44	3,081.80	114.63	27.884		
4,900.00	4,838.49	17,629.96	7,728.31	21.02	269.50	41.02	1,566.89	-114.58	3,097.23	2,981.77	115.46	26.824		
5,000.00	4,937.05	17,635.62	7,728.36	21.47	269.65	40.27	1,567.14	-120.23	2,998.07	2,881.73	116.35	25.769		
5,100.00	5,035.61	17,641.27	7,728.40	21.92	269.80	39.52	1,567.38	-125.87	2,898.96	2,781.68	117.28	24.718		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	17,646.46	7,728.44	22.38	269.94	38.82	1,567.61	-131.06	2,799.90	2,681.63	118.27	23.675		
5,300.00	5,232.74	17,651.91	7,728.48	22.83	270.08	38.08	1,567.85	-136.51	2,700.90	2,581.57	119.32	22.635		
5,400.00	5,331.30	17,657.36	7,728.52	23.28	270.23	37.33	1,568.09	-141.95	2,601.96	2,481.51	120.45	21.602		
5,500.00	5,429.86	17,662.81	7,728.56	23.73	270.38	36.57	1,568.32	-147.40	2,503.09	2,381.43	121.66	20.574		
5,600.00	5,528.42	17,668.26	7,728.60	24.18	270.52	35.80	1,568.56	-152.84	2,404.31	2,281.35	122.96	19.553		
5,700.00	5,626.98	17,673.71	7,728.64	24.63	270.67	35.03	1,568.80	-158.29	2,305.62	2,181.25	124.37	18.538		
5,800.00	5,725.54	17,679.16	7,728.68	25.08	270.82	34.24	1,569.04	-163.73	2,207.03	2,081.13	125.90	17.530		
5,900.00	5,824.11	17,679.00	7,728.68	25.53	270.81	34.27	1,569.03	-163.57	2,108.57	1,981.10	127.47	16.541		
6,000.00	5,922.67	17,679.00	7,728.68	25.98	270.81	34.27	1,569.03	-163.57	2,010.26	1,881.06	129.21	15.559		
6,100.00	6,021.23	17,679.00	7,728.68	26.43	270.81	34.27	1,569.03	-163.57	1,912.13	1,781.02	131.11	14.584		
6,200.00	6,119.79	17,679.00	7,728.68	26.88	270.81	34.27	1,569.03	-163.57	1,814.20	1,680.97	133.23	13.617		
6,300.00	6,218.35	17,679.00	7,728.68	27.33	270.81	34.27	1,569.03	-163.57	1,716.51	1,580.92	135.59	12.660		
6,400.00	6,316.91	17,679.00	7,728.68	27.78	270.81	34.27	1,569.03	-163.57	1,619.10	1,480.87	138.23	11.713		
6,500.00	6,415.48	17,679.00	7,728.68	28.23	270.81	34.27	1,569.03	-163.57	1,522.03	1,380.82	141.21	10.778		
6,600.00	6,514.04	17,679.00	7,728.68	28.69	270.81	34.27	1,569.03	-163.57	1,425.36	1,280.76	144.61	9.857		
6,700.00	6,612.60	17,679.00	7,728.68	29.14	270.81	34.27	1,569.03	-163.57	1,329.19	1,180.69	148.49	8.951		
6,800.00	6,711.16	17,679.00	7,728.68	29.59	270.81	34.27	1,569.03	-163.57	1,233.62	1,080.63	152.99	8.063		
6,900.00	6,809.72	17,679.00	7,728.68	30.04	270.81	34.27	1,569.03	-163.57	1,138.82	980.59	158.23	7.197		
7,000.00	6,908.28	17,679.00	7,728.68	30.49	270.81	34.27	1,569.03	-163.57	1,044.98	880.58	164.40	6.356		
7,100.00	7,006.84	17,679.00	7,728.68	30.94	270.81	34.27	1,569.03	-163.57	952.40	780.67	171.74	5.546		
7,200.00	7,105.41	17,679.00	7,728.68	31.39	270.81	34.27	1,569.03	-163.57	861.49	680.96	180.53	4.772		
7,300.00	7,203.81	17,679.00	7,728.68	31.85	270.81	66.51	1,569.03	-163.57	773.26	582.17	191.08	4.047		
7,400.00	7,300.02	17,679.00	7,728.68	32.33	270.81	100.93	1,569.03	-163.57	692.76	489.77	202.99	3.413		
7,500.00	7,391.09	17,679.00	7,728.68	32.83	270.81	116.69	1,569.03	-163.57	626.23	411.46	214.78	2.916		
7,600.00	7,474.26	17,679.00	7,728.68	33.35	270.81	124.67	1,569.03	-163.57	580.82	357.44	223.39	2.600		
7,700.00	7,546.99	17,679.00	7,728.68	33.90	270.81	128.41	1,569.03	-163.57	563.15	338.33	224.82	2.505 ES, SF		
7,707.42	7,551.90	17,679.00	7,728.68	33.95	270.81	128.56	1,569.03	-163.57	563.07	338.50	224.56	2.507 CC		
7,800.00	7,607.07	17,679.00	7,728.68	34.51	270.81	129.12	1,569.03	-163.57	576.32	359.13	217.19	2.654		
7,900.00	7,652.68	17,679.00	7,728.68	35.20	270.81	127.02	1,569.03	-163.57	617.98	415.10	202.88	3.046		
8,000.00	7,682.43	17,679.00	7,728.68	36.00	270.81	121.54	1,569.03	-163.57	681.84	495.47	186.37	3.659		
8,100.00	7,695.43	17,679.00	7,728.68	36.92	270.81	111.30	1,569.03	-163.57	760.68	589.68	171.00	4.449		
8,200.00	7,696.00	17,679.00	7,728.68	37.98	270.81	107.63	1,569.03	-163.57	847.45	689.39	158.06	5.361		
8,300.00	7,696.00	17,679.00	7,728.68	39.21	270.81	107.63	1,569.03	-163.57	936.99	789.69	147.30	6.361		
8,400.00	7,696.00	17,679.00	7,728.68	40.59	270.81	107.63	1,569.03	-163.57	1,028.45	890.16	138.29	7.437		
8,500.00	7,696.00	17,679.00	7,728.68	42.11	270.81	107.63	1,569.03	-163.57	1,121.38	990.68	130.70	8.580		
8,600.00	7,696.00	17,679.00	7,728.68	43.76	270.81	107.63	1,569.03	-163.57	1,215.42	1,091.17	124.25	9.782		
8,700.00	7,696.00	17,679.00	7,728.68	45.51	270.81	107.63	1,569.03	-163.57	1,310.35	1,191.62	118.73	11.036		
8,800.00	7,696.00	17,679.00	7,728.68	47.37	270.81	107.63	1,569.03	-163.57	1,405.99	1,292.00	113.98	12.335		
8,900.00	7,696.00	17,679.00	7,728.68	49.31	270.81	107.63	1,569.03	-163.57	1,502.19	1,392.32	109.86	13.673		
9,000.00	7,696.00	17,679.00	7,728.68	51.33	270.81	107.63	1,569.03	-163.57	1,598.85	1,492.58	106.27	15.045		
9,100.00	7,696.00	17,679.00	7,728.68	53.41	270.81	107.63	1,569.03	-163.57	1,695.91	1,592.79	103.12	16.446		
9,200.00	7,696.00	17,679.00	7,728.68	55.54	270.81	107.63	1,569.03	-163.57	1,793.29	1,692.95	100.34	17.872		
9,300.00	7,696.00	17,679.00	7,728.68	57.73	270.81	107.63	1,569.03	-163.57	1,890.94	1,793.06	97.88	19.319		
9,400.00	7,696.00	17,679.00	7,728.68	59.96	270.81	107.63	1,569.03	-163.57	1,988.82	1,893.13	95.69	20.784		
9,500.00	7,696.00	17,679.00	7,728.68	62.23	270.81	107.63	1,569.03	-163.57	2,086.91	1,993.17	93.74	22.263		
9,600.00	7,696.00	17,679.00	7,728.68	64.54	270.81	107.63	1,569.03	-163.57	2,185.17	2,093.18	91.99	23.755		
9,700.00	7,696.00	17,679.00	7,728.68	66.87	270.81	107.63	1,569.03	-163.57	2,283.58	2,193.16	90.41	25.257		
9,800.00	7,696.00	17,679.00	7,728.68	69.23	270.81	107.63	1,569.03	-163.57	2,382.12	2,293.12	89.00	26.766		
9,900.00	7,696.00	17,679.00	7,728.68	71.62	270.81	107.63	1,569.03	-163.57	2,480.78	2,393.06	87.72	28.282		
10,000.00	7,696.00	17,679.00	7,728.68	74.03	270.81	107.63	1,569.03	-163.57	2,579.54	2,492.99	86.56	29.802		
10,100.00	7,696.00	17,679.00	7,728.68	76.46	270.81	107.63	1,569.03	-163.57	2,678.40	2,592.90	85.50	31.326		
10,200.00	7,696.00	17,679.00	7,728.68	78.91	270.81	107.63	1,569.03	-163.57	2,777.33	2,692.79	84.54	32.852		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	17,679.00	7,728.68	81.37	270.81	107.63	1,569.03	-163.57	2,876.34	2,792.68	83.67	34.379		
10,400.00	7,696.00	17,679.00	7,728.68	83.85	270.81	107.63	1,569.03	-163.57	2,975.42	2,892.55	82.87	35.906		
10,500.00	7,696.00	17,679.00	7,728.68	86.34	270.81	107.63	1,569.03	-163.57	3,074.55	2,992.42	82.13	37.433		
10,600.00	7,696.00	17,679.00	7,728.68	88.84	270.81	107.63	1,569.03	-163.57	3,173.74	3,092.28	81.46	38.959		
10,700.00	7,696.00	17,679.00	7,728.68	91.36	270.81	107.63	1,569.03	-163.57	3,272.98	3,192.14	80.85	40.484		
10,800.00	7,696.00	17,679.00	7,728.68	93.88	270.81	107.63	1,569.03	-163.57	3,372.27	3,291.99	80.28	42.006		
10,900.00	7,696.00	17,679.00	7,728.68	96.42	270.81	107.63	1,569.03	-163.57	3,471.59	3,391.83	79.76	43.526		
11,000.00	7,696.00	17,679.00	7,728.68	98.96	270.81	107.63	1,569.03	-163.57	3,570.96	3,491.68	79.28	45.043		
11,100.00	7,696.00	17,679.00	7,728.68	101.51	270.81	107.63	1,569.03	-163.57	3,670.35	3,591.52	78.84	46.557		
11,200.00	7,696.00	17,679.00	7,728.68	104.07	270.81	107.63	1,569.03	-163.57	3,769.78	3,691.36	78.43	48.068		
11,300.00	7,696.00	17,679.00	7,728.68	106.64	270.81	107.63	1,569.03	-163.57	3,869.24	3,791.19	78.05	49.575		
11,400.00	7,696.00	17,679.00	7,728.68	109.21	270.81	107.63	1,569.03	-163.57	3,968.73	3,891.03	77.70	51.078		
11,500.00	7,696.00	17,679.00	7,728.68	111.79	270.81	107.63	1,569.03	-163.57	4,068.24	3,990.86	77.38	52.578		
11,600.00	7,696.00	17,679.00	7,728.68	114.37	270.81	107.63	1,569.03	-163.57	4,167.78	4,090.70	77.08	54.074		
11,700.00	7,696.00	17,679.00	7,728.68	116.96	270.81	107.63	1,569.03	-163.57	4,267.33	4,190.53	76.80	55.565		
11,800.00	7,696.00	17,679.00	7,728.68	119.56	270.81	107.63	1,569.03	-163.57	4,366.91	4,290.37	76.54	57.053		
11,900.00	7,696.00	17,679.00	7,728.68	122.16	270.81	107.63	1,569.03	-163.57	4,466.50	4,390.20	76.30	58.536		
12,000.00	7,696.00	17,679.00	7,728.68	124.76	270.81	107.63	1,569.03	-163.57	4,566.12	4,490.04	76.08	60.016		
12,100.00	7,696.00	17,679.00	7,728.68	127.37	270.81	107.63	1,569.03	-163.57	4,665.75	4,589.87	75.88	61.491		
12,200.00	7,696.00	17,679.00	7,728.68	129.98	270.81	107.63	1,569.03	-163.57	4,765.39	4,689.71	75.69	62.962		
12,300.00	7,696.00	17,679.00	7,728.68	132.59	270.81	107.63	1,569.03	-163.57	4,865.05	4,789.54	75.51	64.429		
12,400.00	7,696.00	17,679.00	7,728.68	135.21	270.81	107.63	1,569.03	-163.57	4,964.73	4,889.38	75.35	65.891		
12,500.00	7,696.00	17,679.00	7,728.68	137.83	270.81	107.63	1,569.03	-163.57	5,064.41	4,989.22	75.20	67.349		
12,600.00	7,696.00	17,679.00	7,728.68	140.45	270.81	107.63	1,569.03	-163.57	5,164.11	5,089.06	75.06	68.803		
12,700.00	7,696.00	17,679.00	7,728.68	143.08	270.81	107.63	1,569.03	-163.57	5,263.82	5,188.90	74.93	70.253		
12,800.00	7,696.00	17,679.00	7,728.68	145.71	270.81	107.63	1,569.03	-163.57	5,363.54	5,288.74	74.81	71.699		
12,900.00	7,696.00	17,679.00	7,728.68	148.34	270.81	107.63	1,569.03	-163.57	5,463.27	5,388.58	74.70	73.140		
13,000.00	7,696.00	17,679.00	7,728.68	150.97	270.81	107.63	1,569.03	-163.57	5,563.01	5,488.42	74.59	74.577		
13,100.00	7,696.00	17,679.00	7,728.68	153.61	270.81	107.63	1,569.03	-163.57	5,662.76	5,588.26	74.50	76.010		
13,200.00	7,696.00	17,679.00	7,728.68	156.24	270.81	107.63	1,569.03	-163.57	5,762.52	5,688.11	74.41	77.439		
13,300.00	7,696.00	17,679.00	7,728.68	158.88	270.81	107.63	1,569.03	-163.57	5,862.29	5,787.96	74.33	78.864		
13,400.00	7,696.00	17,679.00	7,728.68	161.53	270.81	107.63	1,569.03	-163.57	5,962.06	5,887.80	74.26	80.285		
13,500.00	7,696.00	17,679.00	7,728.68	164.17	270.81	107.63	1,569.03	-163.57	6,061.85	5,987.65	74.20	81.701		
13,600.00	7,696.00	17,679.00	7,728.68	166.81	270.81	107.63	1,569.03	-163.57	6,161.64	6,087.50	74.14	83.114		
13,700.00	7,696.00	17,679.00	7,728.68	169.46	270.81	107.63	1,569.03	-163.57	6,261.43	6,187.35	74.08	84.522		
13,800.00	7,696.00	17,679.00	7,728.68	172.11	270.81	107.63	1,569.03	-163.57	6,361.23	6,287.20	74.03	85.927		
13,900.00	7,696.00	17,679.00	7,728.68	174.76	270.81	107.63	1,569.03	-163.57	6,461.04	6,387.05	73.99	87.327		
14,000.00	7,696.00	17,679.00	7,728.68	177.41	270.81	107.63	1,569.03	-163.57	6,560.86	6,486.91	73.95	88.723		
14,100.00	7,696.00	17,679.00	7,728.68	180.06	270.81	107.63	1,569.03	-163.57	6,660.68	6,586.76	73.91	90.116		
14,200.00	7,696.00	17,679.00	7,728.68	182.72	270.81	107.63	1,569.03	-163.57	6,760.50	6,686.62	73.88	91.504		
14,300.00	7,696.00	17,679.00	7,728.68	185.37	270.81	107.63	1,569.03	-163.57	6,860.33	6,786.48	73.86	92.889		
14,400.00	7,696.00	17,679.00	7,728.68	188.03	270.81	107.63	1,569.03	-163.57	6,960.17	6,886.33	73.83	94.270		
14,500.00	7,696.00	17,679.00	7,728.68	190.69	270.81	107.63	1,569.03	-163.57	7,060.01	6,986.19	73.81	95.646		
14,600.00	7,696.00	17,679.00	7,728.68	193.34	270.81	107.63	1,569.03	-163.57	7,159.85	7,086.05	73.80	97.019		
14,700.00	7,696.00	17,679.00	7,728.68	196.00	270.81	107.63	1,569.03	-163.57	7,259.70	7,185.91	73.79	98.388		
14,800.00	7,696.00	17,679.00	7,728.68	198.66	270.81	107.63	1,569.03	-163.57	7,359.55	7,285.77	73.78	99.753		
14,900.00	7,696.00	17,679.00	7,728.68	201.33	270.81	107.63	1,569.03	-163.57	7,459.41	7,385.64	73.77	101.114		
15,000.00	7,696.00	17,679.00	7,728.68	203.99	270.81	107.63	1,569.03	-163.57	7,559.27	7,485.50	73.77	102.472		
15,100.00	7,696.00	17,679.00	7,728.68	206.65	270.81	107.63	1,569.03	-163.57	7,659.13	7,585.36	73.77	103.825		
15,200.00	7,696.00	17,679.00	7,728.68	209.32	270.81	107.63	1,569.03	-163.57	7,759.00	7,685.23	73.77	105.175		
15,300.00	7,696.00	17,679.00	7,728.68	211.98	270.81	107.63	1,569.03	-163.57	7,858.87	7,785.09	73.78	106.521		
15,400.00	7,696.00	17,679.00	7,728.68	214.65	270.81	107.63	1,569.03	-163.57	7,958.74	7,884.96	73.79	107.863		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 1DH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,696.00	17,679.00	7,728.68	217.31	270.81	107.63	1,569.03	-163.57	8,058.62	7,984.83	73.80	109.201	
15,600.00	7,696.00	17,679.00	7,728.68	219.98	270.81	107.63	1,569.03	-163.57	8,158.50	8,084.69	73.81	110.536	
15,700.00	7,696.00	17,679.00	7,728.68	222.65	270.81	107.63	1,569.03	-163.57	8,258.38	8,184.56	73.82	111.866	
15,800.00	7,696.00	17,679.00	7,728.68	225.32	270.81	107.63	1,569.03	-163.57	8,358.27	8,284.43	73.84	113.193	
15,900.00	7,696.00	17,679.00	7,728.68	227.99	270.81	107.63	1,569.03	-163.57	8,458.16	8,384.30	73.86	114.516	
16,000.00	7,696.00	17,679.00	7,728.68	230.66	270.81	107.63	1,569.03	-163.57	8,558.05	8,484.17	73.88	115.836	
16,100.00	7,696.00	17,679.00	7,728.68	233.33	270.81	107.63	1,569.03	-163.57	8,657.94	8,584.04	73.90	117.151	
16,200.00	7,696.00	17,679.00	7,728.68	236.00	270.81	107.63	1,569.03	-163.57	8,757.84	8,683.91	73.93	118.463	
16,300.00	7,696.00	17,679.00	7,728.68	238.67	270.81	107.63	1,569.03	-163.57	8,857.74	8,783.78	73.96	119.771	
16,400.00	7,696.00	17,679.00	7,728.68	241.34	270.81	107.63	1,569.03	-163.57	8,957.64	8,883.66	73.98	121.076	
16,500.00	7,696.00	17,679.00	7,728.68	244.02	270.81	107.63	1,569.03	-163.57	9,057.54	8,983.53	74.01	122.376	
16,600.00	7,696.00	17,679.00	7,728.68	246.69	270.81	107.63	1,569.03	-163.57	9,157.45	9,083.40	74.05	123.673	
16,700.00	7,696.00	17,679.00	7,728.68	249.36	270.81	107.63	1,569.03	-163.57	9,257.35	9,183.28	74.08	124.967	
16,800.00	7,696.00	17,679.00	7,728.68	252.04	270.81	107.63	1,569.03	-163.57	9,357.26	9,283.15	74.11	126.256	
16,900.00	7,696.00	17,679.00	7,728.68	254.71	270.81	107.63	1,569.03	-163.57	9,457.17	9,383.03	74.15	127.542	
17,000.00	7,696.00	17,679.00	7,728.68	257.39	270.81	107.63	1,569.03	-163.57	9,557.09	9,482.90	74.19	128.824	
17,100.00	7,696.00	17,679.00	7,728.68	260.07	270.81	107.63	1,569.03	-163.57	9,657.00	9,582.78	74.23	130.102	
17,200.00	7,696.00	17,679.00	7,728.68	262.74	270.81	107.63	1,569.03	-163.57	9,756.92	9,682.65	74.27	131.377	
17,300.00	7,696.00	17,679.00	7,728.68	265.42	270.81	107.63	1,569.03	-163.57	9,856.84	9,782.53	74.31	132.647	
17,400.00	7,696.00	17,679.00	7,728.68	268.10	270.81	107.63	1,569.03	-163.57	9,956.76	9,882.41	74.35	133.914	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,533.06	7,824.82	0.00	262.94	2.25	1,169.20	45.96	7,998.87					
100.00	100.00	17,536.62	7,824.88	0.13	263.03	2.08	1,168.94	42.40	7,899.96	7,808.66	91.30	86.532		
200.00	200.00	17,540.32	7,824.94	0.49	263.13	1.90	1,168.66	38.72	7,801.08	7,709.54	91.54	85.222		
300.00	300.00	17,544.17	7,825.01	0.85	263.23	1.71	1,168.36	34.89	7,702.22	7,610.42	91.80	83.907		
400.00	399.98	17,548.78	7,825.09	1.21	263.35	19.51	1,167.97	30.29	7,603.15	7,511.10	92.05	82.596		
500.00	499.84	17,554.73	7,825.19	1.57	263.51	26.49	1,167.43	24.36	7,503.71	7,411.42	92.29	81.309		
600.00	599.45	17,561.90	7,825.33	1.94	263.70	40.47	1,166.74	17.23	7,403.99	7,311.51	92.48	80.057		
700.00	698.70	17,570.07	7,825.48	2.32	263.92	72.84	1,165.89	9.10	7,304.12	7,211.48	92.64	78.843		
800.00	797.47	17,579.02	7,825.66	2.72	264.16	115.25	1,164.88	0.22	7,204.20	7,111.45	92.75	77.670		
900.00	896.03	17,587.96	7,825.84	3.14	264.39	115.81	1,163.78	-8.66	7,104.29	7,011.44	92.85	76.516		
1,000.00	994.59	1,000.00	7,825.35	3.57	179.98	114.34	1,166.22	18.72	7,004.37	6,947.73	56.63	123.681		
1,100.00	1,093.16	1,100.00	7,825.42	4.00	177.37	114.55	1,165.92	14.27	6,904.47	6,848.68	55.79	123.751		
1,200.00	1,191.72	1,191.72	7,825.90	4.44	264.49	116.02	1,163.46	-12.24	6,804.57	6,711.59	92.98	73.183		
1,300.00	1,290.28	1,290.28	7,825.97	4.88	264.58	116.24	1,163.07	-15.71	6,704.66	6,611.61	93.05	72.055		
1,400.00	1,388.84	1,388.84	7,826.04	5.32	264.67	116.47	1,162.69	-19.20	6,604.75	6,511.63	93.12	70.926		
1,500.00	1,487.40	1,487.40	7,826.11	5.76	264.76	116.71	1,162.31	-22.70	6,504.85	6,411.65	93.20	69.796		
1,600.00	1,585.96	1,585.96	7,826.18	6.20	264.86	116.95	1,161.92	-26.23	6,404.94	6,311.67	93.28	68.666		
1,700.00	1,684.52	1,684.52	7,826.24	6.65	264.95	117.20	1,161.55	-29.77	6,305.04	6,211.68	93.36	67.535		
1,800.00	1,783.09	1,783.09	7,826.31	7.09	265.05	117.46	1,161.17	-33.34	6,205.13	6,111.69	93.44	66.404		
1,900.00	1,881.65	1,881.65	7,826.38	7.54	265.14	117.72	1,160.79	-36.92	6,105.23	6,011.70	93.53	65.274		
2,000.00	1,980.21	1,980.21	7,826.45	7.99	265.24	117.99	1,160.42	-40.52	6,005.33	5,911.71	93.62	64.144		
2,100.00	2,078.77	2,078.77	7,826.52	8.43	265.33	118.26	1,160.05	-44.13	5,905.43	5,811.71	93.72	63.014		
2,200.00	2,177.33	2,177.33	7,826.59	8.88	265.43	118.55	1,159.68	-47.77	5,805.53	5,711.72	93.81	61.885		
2,300.00	2,275.89	2,275.89	7,826.66	9.33	265.53	118.84	1,159.32	-51.43	5,705.63	5,611.72	93.91	60.757		
2,400.00	2,374.45	2,374.45	7,826.72	9.78	265.63	119.14	1,158.96	-55.10	5,605.73	5,511.72	94.01	59.629		
2,500.00	2,473.02	2,473.02	7,826.79	10.23	265.72	119.45	1,158.59	-58.79	5,505.83	5,411.72	94.11	58.503		
2,600.00	2,571.58	2,571.58	7,826.86	10.67	265.82	119.77	1,158.24	-62.51	5,405.93	5,311.72	94.22	57.379		
2,700.00	2,670.14	2,670.14	7,826.93	11.12	265.92	120.10	1,157.88	-66.24	5,306.04	5,211.72	94.32	56.255		
2,800.00	2,768.70	2,768.70	7,827.00	11.57	266.02	120.44	1,157.53	-69.99	5,206.14	5,111.72	94.43	55.134		
2,900.00	2,867.26	2,867.26	7,827.07	12.02	266.12	120.79	1,157.18	-73.77	5,106.25	5,011.71	94.54	54.013		
3,000.00	2,965.82	2,965.82	7,827.14	12.47	266.22	121.15	1,156.83	-77.56	5,006.36	4,911.71	94.65	52.895		
3,100.00	3,064.38	3,064.38	7,827.20	12.92	266.32	121.53	1,156.49	-81.37	4,906.46	4,811.70	94.76	51.778		
3,200.00	3,162.95	3,162.95	7,827.27	13.37	266.42	121.91	1,156.14	-85.21	4,806.57	4,711.70	94.87	50.664		
3,300.00	3,261.51	3,261.51	7,827.34	13.82	266.55	122.29	1,155.82	-88.82	4,706.68	4,611.66	95.03	49.530		
3,400.00	3,360.07	3,360.07	7,827.41	14.27	266.63	122.75	1,155.45	-93.11	4,606.79	4,511.69	95.10	48.440		
3,500.00	3,458.63	3,458.63	7,827.49	14.72	266.75	123.22	1,155.08	-97.39	4,506.91	4,411.68	95.22	47.331		
3,600.00	3,557.19	3,557.19	7,827.56	15.17	266.86	123.71	1,154.71	-101.68	4,407.02	4,311.68	95.34	46.224		
3,700.00	3,655.75	3,655.75	7,827.64	15.62	266.98	124.22	1,154.34	-105.97	4,307.13	4,211.67	95.46	45.119		
3,800.00	3,754.32	3,754.32	7,827.72	16.07	267.09	124.76	1,153.97	-110.25	4,207.25	4,111.67	95.58	44.018		
3,900.00	3,852.88	3,852.88	7,827.79	16.52	267.20	125.31	1,153.60	-114.54	4,107.36	4,011.66	95.70	42.919		
4,000.00	3,951.44	3,951.44	7,827.87	16.97	267.32	125.88	1,153.22	-118.83	4,007.48	3,911.66	95.82	41.823		
4,100.00	4,050.00	4,050.00	7,827.94	17.42	267.43	126.48	1,152.85	-123.11	3,907.60	3,811.66	95.94	40.729		
4,200.00	4,148.56	4,148.56	7,828.02	17.87	267.55	127.10	1,152.48	-127.40	3,807.72	3,711.66	96.06	39.639		
4,300.00	4,247.12	4,247.12	7,828.10	18.32	267.66	127.74	1,152.11	-131.69	3,707.84	3,611.66	96.18	38.552		
4,400.00	4,345.68	4,345.68	7,828.17	18.77	267.77	128.41	1,151.74	-135.97	3,607.96	3,511.67	96.30	37.468		
4,500.00	4,444.25	4,444.25	7,828.25	19.22	267.89	129.12	1,151.37	-140.26	3,508.08	3,411.67	96.41	36.387		
4,600.00	4,542.81	4,542.81	7,828.32	19.67	268.00	129.85	1,151.00	-144.55	3,408.21	3,311.69	96.53	35.309		
4,700.00	4,641.37	4,641.37	7,828.40	20.12	268.12	130.61	1,150.62	-148.83	3,308.34	3,211.70	96.64	34.234		
4,800.00	4,739.93	4,739.93	7,828.37	20.57	268.07	130.29	1,150.78	-147.06	3,208.48	3,111.77	96.71	33.177		
4,900.00	4,838.49	4,838.49	7,828.37	21.02	268.07	130.29	1,150.78	-147.06	3,108.62	3,011.83	96.79	32.118		
5,000.00	4,937.05	4,937.05	7,828.37	21.47	268.07	130.29	1,150.78	-147.06	3,008.77	2,911.91	96.87	31.061		
5,100.00	5,035.61	5,035.61	7,828.37	21.92	268.07	130.29	1,150.78	-147.06	2,908.94	2,812.00	96.94	30.007		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	17,727.00	7,828.37	22.38	268.07	130.29	1,150.78	-147.06	2,809.11	2,712.10	97.01	28.957		
5,300.00	5,232.74	17,727.00	7,828.37	22.83	268.07	130.29	1,150.78	-147.06	2,709.30	2,612.23	97.08	27.908		
5,400.00	5,331.30	17,727.00	7,828.37	23.28	268.07	130.29	1,150.78	-147.06	2,609.51	2,512.37	97.14	26.863		
5,500.00	5,429.86	17,727.00	7,828.37	23.73	268.07	130.29	1,150.78	-147.06	2,509.73	2,412.53	97.20	25.821		
5,600.00	5,528.42	17,727.00	7,828.37	24.18	268.07	130.29	1,150.78	-147.06	2,409.97	2,312.72	97.25	24.782		
5,700.00	5,626.98	17,727.00	7,828.37	24.63	268.07	130.29	1,150.78	-147.06	2,310.22	2,212.94	97.29	23.746		
5,800.00	5,725.54	17,727.00	7,828.37	25.08	268.07	130.29	1,150.78	-147.06	2,210.51	2,113.18	97.32	22.713		
5,900.00	5,824.11	17,727.00	7,828.37	25.53	268.07	130.29	1,150.78	-147.06	2,110.81	2,013.47	97.35	21.684		
6,000.00	5,922.67	17,727.00	7,828.37	25.98	268.07	130.29	1,150.78	-147.06	2,011.15	1,913.80	97.36	20.657		
6,100.00	6,021.23	17,727.00	7,828.37	26.43	268.07	130.29	1,150.78	-147.06	1,911.53	1,814.17	97.36	19.634		
6,200.00	6,119.79	17,727.00	7,828.37	26.88	268.07	130.29	1,150.78	-147.06	1,811.95	1,714.61	97.34	18.615		
6,300.00	6,218.35	17,727.00	7,828.37	27.33	268.07	130.29	1,150.78	-147.06	1,712.41	1,615.11	97.30	17.599		
6,400.00	6,316.91	17,727.00	7,828.37	27.78	268.07	130.29	1,150.78	-147.06	1,612.93	1,515.69	97.25	16.586		
6,500.00	6,415.48	17,727.00	7,828.37	28.23	268.07	130.29	1,150.78	-147.06	1,513.52	1,416.36	97.17	15.577		
6,600.00	6,514.04	17,727.00	7,828.37	28.69	268.07	130.29	1,150.78	-147.06	1,414.20	1,317.14	97.06	14.571		
6,700.00	6,612.60	17,727.00	7,828.37	29.14	268.07	130.29	1,150.78	-147.06	1,314.98	1,218.06	96.91	13.569		
6,800.00	6,711.16	17,727.00	7,828.37	29.59	268.07	130.29	1,150.78	-147.06	1,215.88	1,119.15	96.73	12.570		
6,900.00	6,809.72	17,727.00	7,828.37	30.04	268.07	130.29	1,150.78	-147.06	1,116.94	1,020.45	96.50	11.575		
7,000.00	6,908.28	17,727.00	7,828.37	30.49	268.07	130.29	1,150.78	-147.06	1,018.22	922.00	96.21	10.583		
7,100.00	7,006.84	17,727.00	7,828.37	30.94	268.07	130.29	1,150.78	-147.06	919.77	823.89	95.88	9.593		
7,200.00	7,105.41	17,727.00	7,828.37	31.39	268.07	130.29	1,150.78	-147.06	821.69	726.21	95.48	8.606		
7,300.00	7,203.81	17,727.00	7,828.37	31.85	268.07	147.15	1,150.78	-147.06	724.68	629.65	95.02	7.626		
7,400.00	7,300.02	17,727.00	7,828.37	32.33	268.07	164.12	1,150.78	-147.06	634.08	539.57	94.51	6.709		
7,500.00	7,391.09	17,727.00	7,828.37	32.83	268.07	170.76	1,150.78	-147.06	556.92	463.02	93.90	5.931		
7,600.00	7,474.26	17,727.00	7,828.37	33.35	268.07	174.15	1,150.78	-147.06	502.25	409.40	92.85	5.409		
7,700.00	7,546.99	17,727.00	7,828.37	33.90	268.07	176.35	1,150.78	-147.06	479.70	389.01	90.68	5.290 ES, SF		
7,710.82	7,554.13	17,727.00	7,828.37	33.97	268.07	176.56	1,150.78	-147.06	479.47	389.11	90.36	5.306 CC		
7,800.00	7,607.07	17,727.00	7,828.37	34.51	268.07	178.16	1,150.78	-147.06	494.36	407.06	87.30	5.663		
7,900.00	7,652.68	17,727.00	7,828.37	35.20	268.07	-179.93	1,150.78	-147.06	542.83	459.15	83.68	6.487		
8,000.00	7,682.43	17,727.00	7,828.37	36.00	268.07	-177.23	1,150.78	-147.06	615.96	535.30	80.66	7.637		
8,100.00	7,695.43	17,727.00	7,828.37	36.92	268.07	-172.04	1,150.78	-147.06	704.30	625.97	78.33	8.991		
8,200.00	7,696.00	17,727.00	7,828.37	37.98	268.07	-169.70	1,150.78	-147.06	799.56	722.99	76.56	10.443		
8,300.00	7,696.00	17,727.00	7,828.37	39.21	268.07	-169.70	1,150.78	-147.06	895.99	820.76	75.23	11.910		
8,400.00	7,696.00	17,727.00	7,828.37	40.59	268.07	-169.70	1,150.78	-147.06	993.13	918.92	74.21	13.383		
8,500.00	7,696.00	17,727.00	7,828.37	42.11	268.07	-169.70	1,150.78	-147.06	1,090.79	1,017.38	73.41	14.859		
8,600.00	7,696.00	17,727.00	7,828.37	43.76	268.07	-169.70	1,150.78	-147.06	1,188.83	1,116.06	72.77	16.336		
8,700.00	7,696.00	17,727.00	7,828.37	45.51	268.07	-169.70	1,150.78	-147.06	1,287.18	1,214.92	72.26	17.813		
8,800.00	7,696.00	17,727.00	7,828.37	47.37	268.07	-169.70	1,150.78	-147.06	1,385.77	1,313.92	71.84	19.289		
8,900.00	7,696.00	17,727.00	7,828.37	49.31	268.07	-169.70	1,150.78	-147.06	1,484.54	1,413.04	71.50	20.763		
9,000.00	7,696.00	17,727.00	7,828.37	51.33	268.07	-169.70	1,150.78	-147.06	1,583.47	1,512.25	71.21	22.236		
9,100.00	7,696.00	17,727.00	7,828.37	53.41	268.07	-169.70	1,150.78	-147.06	1,682.52	1,611.55	70.97	23.708		
9,200.00	7,696.00	17,727.00	7,828.37	55.54	268.07	-169.70	1,150.78	-147.06	1,781.68	1,710.91	70.77	25.177		
9,300.00	7,696.00	17,727.00	7,828.37	57.73	268.07	-169.70	1,150.78	-147.06	1,880.93	1,810.34	70.59	26.645		
9,400.00	7,696.00	17,727.00	7,828.37	59.96	268.07	-169.70	1,150.78	-147.06	1,980.25	1,909.81	70.44	28.111		
9,500.00	7,696.00	17,727.00	7,828.37	62.23	268.07	-169.70	1,150.78	-147.06	2,079.64	2,009.32	70.32	29.575		
9,600.00	7,696.00	17,727.00	7,828.37	64.54	268.07	-169.70	1,150.78	-147.06	2,179.09	2,108.88	70.21	31.038		
9,700.00	7,696.00	17,727.00	7,828.37	66.87	268.07	-169.70	1,150.78	-147.06	2,278.58	2,208.47	70.11	32.499		
9,800.00	7,696.00	17,727.00	7,828.37	69.23	268.07	-169.70	1,150.78	-147.06	2,378.12	2,308.08	70.03	33.958		
9,900.00	7,696.00	17,727.00	7,828.37	71.62	268.07	-169.70	1,150.78	-147.06	2,477.69	2,407.73	69.96	35.415		
10,000.00	7,696.00	17,727.00	7,828.37	74.03	268.07	-169.70	1,150.78	-147.06	2,577.30	2,507.39	69.90	36.870		
10,100.00	7,696.00	17,727.00	7,828.37	76.46	268.07	-169.70	1,150.78	-147.06	2,676.93	2,607.08	69.85	38.324		
10,200.00	7,696.00	17,727.00	7,828.37	78.91	268.07	-169.70	1,150.78	-147.06	2,776.59	2,706.79	69.81	39.776		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2AH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,696.00	17,727.00	7,828.37	81.37	268.07	-169.70	1,150.78	-147.06	2,876.28	2,806.51	69.77	41.226	
10,400.00	7,696.00	17,727.00	7,828.37	83.85	268.07	-169.70	1,150.78	-147.06	2,975.99	2,906.25	69.74	42.674	
10,500.00	7,696.00	17,727.00	7,828.37	86.34	268.07	-169.70	1,150.78	-147.06	3,075.71	3,006.00	69.71	44.121	
10,600.00	7,696.00	17,727.00	7,828.37	88.84	268.07	-169.70	1,150.78	-147.06	3,175.45	3,105.76	69.69	45.565	
10,700.00	7,696.00	17,727.00	7,828.37	91.36	268.07	-169.70	1,150.78	-147.06	3,275.21	3,205.54	69.67	47.008	
10,800.00	7,696.00	17,727.00	7,828.37	93.88	268.07	-169.70	1,150.78	-147.06	3,374.99	3,305.32	69.66	48.449	
10,900.00	7,696.00	17,727.00	7,828.37	96.42	268.07	-169.70	1,150.78	-147.06	3,474.77	3,405.12	69.65	49.887	
11,000.00	7,696.00	17,727.00	7,828.37	98.96	268.07	-169.70	1,150.78	-147.06	3,574.57	3,504.92	69.65	51.324	
11,100.00	7,696.00	17,727.00	7,828.37	101.51	268.07	-169.70	1,150.78	-147.06	3,674.38	3,604.73	69.64	52.759	
11,200.00	7,696.00	17,727.00	7,828.37	104.07	268.07	-169.70	1,150.78	-147.06	3,774.20	3,704.55	69.65	54.192	
11,300.00	7,696.00	17,727.00	7,828.37	106.64	268.07	-169.70	1,150.78	-147.06	3,874.03	3,804.38	69.65	55.622	
11,400.00	7,696.00	17,727.00	7,828.37	109.21	268.07	-169.70	1,150.78	-147.06	3,973.86	3,904.21	69.65	57.051	
11,500.00	7,696.00	17,727.00	7,828.37	111.79	268.07	-169.70	1,150.78	-147.06	4,073.71	4,004.04	69.66	58.477	
11,600.00	7,696.00	17,727.00	7,828.37	114.37	268.07	-169.70	1,150.78	-147.06	4,173.56	4,103.89	69.67	59.902	
11,700.00	7,696.00	17,727.00	7,828.37	116.96	268.07	-169.70	1,150.78	-147.06	4,273.42	4,203.73	69.69	61.324	
11,800.00	7,696.00	17,727.00	7,828.37	119.56	268.07	-169.70	1,150.78	-147.06	4,373.28	4,303.58	69.70	62.744	
11,900.00	7,696.00	17,727.00	7,828.37	122.16	268.07	-169.70	1,150.78	-147.06	4,473.16	4,403.44	69.72	64.162	
12,000.00	7,696.00	17,727.00	7,828.37	124.76	268.07	-169.70	1,150.78	-147.06	4,573.03	4,503.30	69.74	65.577	
12,100.00	7,696.00	17,727.00	7,828.37	127.37	268.07	-169.70	1,150.78	-147.06	4,672.92	4,603.16	69.76	66.990	
12,200.00	7,696.00	17,727.00	7,828.37	129.98	268.07	-169.70	1,150.78	-147.06	4,772.80	4,703.03	69.78	68.401	
12,300.00	7,696.00	17,727.00	7,828.37	132.59	268.07	-169.70	1,150.78	-147.06	4,872.70	4,802.90	69.80	69.809	
12,400.00	7,696.00	17,727.00	7,828.37	135.21	268.07	-169.70	1,150.78	-147.06	4,972.59	4,902.77	69.82	71.215	
12,500.00	7,696.00	17,727.00	7,828.37	137.83	268.07	-169.70	1,150.78	-147.06	5,072.49	5,002.64	69.85	72.619	
12,600.00	7,696.00	17,727.00	7,828.37	140.45	268.07	-169.70	1,150.78	-147.06	5,172.40	5,102.52	69.88	74.020	
12,700.00	7,696.00	17,727.00	7,828.37	143.08	268.07	-169.70	1,150.78	-147.06	5,272.30	5,202.40	69.91	75.418	
12,800.00	7,696.00	17,727.00	7,828.37	145.71	268.07	-169.70	1,150.78	-147.06	5,372.22	5,302.28	69.94	76.814	
12,900.00	7,696.00	17,727.00	7,828.37	148.34	268.07	-169.70	1,150.78	-147.06	5,472.13	5,402.16	69.97	78.208	
13,000.00	7,696.00	17,727.00	7,828.37	150.97	268.07	-169.70	1,150.78	-147.06	5,572.05	5,502.05	70.00	79.599	
13,100.00	7,696.00	17,727.00	7,828.37	153.61	268.07	-169.70	1,150.78	-147.06	5,671.97	5,601.93	70.04	80.987	
13,200.00	7,696.00	17,727.00	7,828.37	156.24	268.07	-169.70	1,150.78	-147.06	5,771.89	5,701.82	70.07	82.372	
13,300.00	7,696.00	17,727.00	7,828.37	158.88	268.07	-169.70	1,150.78	-147.06	5,871.82	5,801.71	70.11	83.755	
13,400.00	7,696.00	17,727.00	7,828.37	161.53	268.07	-169.70	1,150.78	-147.06	5,971.75	5,901.60	70.14	85.135	
13,500.00	7,696.00	17,727.00	7,828.37	164.17	268.07	-169.70	1,150.78	-147.06	6,071.68	6,001.50	70.18	86.513	
13,600.00	7,696.00	17,727.00	7,828.37	166.81	268.07	-169.70	1,150.78	-147.06	6,171.61	6,101.39	70.22	87.887	
13,700.00	7,696.00	17,727.00	7,828.37	169.46	268.07	-169.70	1,150.78	-147.06	6,271.55	6,201.28	70.26	89.259	
13,800.00	7,696.00	17,727.00	7,828.37	172.11	268.07	-169.70	1,150.78	-147.06	6,371.48	6,301.18	70.30	90.628	
13,900.00	7,696.00	17,727.00	7,828.37	174.76	268.07	-169.70	1,150.78	-147.06	6,471.42	6,401.08	70.35	91.994	
14,000.00	7,696.00	17,727.00	7,828.37	177.41	268.07	-169.70	1,150.78	-147.06	6,571.36	6,500.97	70.39	93.357	
14,100.00	7,696.00	17,727.00	7,828.37	180.06	268.07	-169.70	1,150.78	-147.06	6,671.31	6,600.87	70.43	94.718	
14,200.00	7,696.00	17,727.00	7,828.37	182.72	268.07	-169.70	1,150.78	-147.06	6,771.25	6,700.77	70.48	96.075	
14,300.00	7,696.00	17,727.00	7,828.37	185.37	268.07	-169.70	1,150.78	-147.06	6,871.20	6,800.67	70.53	97.429	
14,400.00	7,696.00	17,727.00	7,828.37	188.03	268.07	-169.70	1,150.78	-147.06	6,971.14	6,900.57	70.57	98.781	
14,500.00	7,696.00	17,727.00	7,828.37	190.69	268.07	-169.70	1,150.78	-147.06	7,071.09	7,000.47	70.62	100.129	
14,600.00	7,696.00	17,727.00	7,828.37	193.34	268.07	-169.70	1,150.78	-147.06	7,171.04	7,100.38	70.67	101.474	
14,700.00	7,696.00	17,727.00	7,828.37	196.00	268.07	-169.70	1,150.78	-147.06	7,271.00	7,200.28	70.72	102.816	
14,800.00	7,696.00	17,727.00	7,828.37	198.66	268.07	-169.70	1,150.78	-147.06	7,370.95	7,300.18	70.77	104.155	
14,900.00	7,696.00	17,727.00	7,828.37	201.33	268.07	-169.70	1,150.78	-147.06	7,470.90	7,400.08	70.82	105.491	
15,000.00	7,696.00	17,727.00	7,828.37	203.99	268.07	-169.70	1,150.78	-147.06	7,570.86	7,499.99	70.87	106.824	
15,100.00	7,696.00	17,727.00	7,828.37	206.65	268.07	-169.70	1,150.78	-147.06	7,670.82	7,599.89	70.93	108.154	
15,200.00	7,696.00	17,727.00	7,828.37	209.32	268.07	-169.70	1,150.78	-147.06	7,770.77	7,699.79	70.98	109.480	
15,300.00	7,696.00	17,727.00	7,828.37	211.98	268.07	-169.70	1,150.78	-147.06	7,870.73	7,799.70	71.03	110.803	
15,400.00	7,696.00	17,727.00	7,828.37	214.65	268.07	-169.70	1,150.78	-147.06	7,970.69	7,899.60	71.09	112.123	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 25-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,696.00	17,727.00	7,828.37	217.31	268.07	-169.70	1,150.78	-147.06	8,070.65	7,999.51	71.14	113.440	
15,600.00	7,696.00	17,727.00	7,828.37	219.98	268.07	-169.70	1,150.78	-147.06	8,170.62	8,099.41	71.20	114.753	
15,700.00	7,696.00	17,727.00	7,828.37	222.65	268.07	-169.70	1,150.78	-147.06	8,270.58	8,199.32	71.26	116.063	
15,800.00	7,696.00	17,727.00	7,828.37	225.32	268.07	-169.70	1,150.78	-147.06	8,370.54	8,299.22	71.32	117.370	
15,900.00	7,696.00	17,727.00	7,828.37	227.99	268.07	-169.70	1,150.78	-147.06	8,470.51	8,399.13	71.38	118.674	
16,000.00	7,696.00	17,727.00	7,828.37	230.66	268.07	-169.70	1,150.78	-147.06	8,570.47	8,499.04	71.44	119.974	
16,100.00	7,696.00	17,727.00	7,828.37	233.33	268.07	-169.70	1,150.78	-147.06	8,670.44	8,598.94	71.50	121.270	
16,200.00	7,696.00	17,727.00	7,828.37	236.00	268.07	-169.70	1,150.78	-147.06	8,770.41	8,698.85	71.56	122.564	
16,300.00	7,696.00	17,727.00	7,828.37	238.67	268.07	-169.70	1,150.78	-147.06	8,870.37	8,798.75	71.62	123.854	
16,400.00	7,696.00	17,727.00	7,828.37	241.34	268.07	-169.70	1,150.78	-147.06	8,970.34	8,898.66	71.68	125.140	
16,500.00	7,696.00	17,727.00	7,828.37	244.02	268.07	-169.70	1,150.78	-147.06	9,070.31	8,998.57	71.75	126.423	
16,600.00	7,696.00	17,727.00	7,828.37	246.69	268.07	-169.70	1,150.78	-147.06	9,170.28	9,098.47	71.81	127.703	
16,700.00	7,696.00	17,727.00	7,828.37	249.36	268.07	-169.70	1,150.78	-147.06	9,270.25	9,198.38	71.87	128.979	
16,800.00	7,696.00	17,727.00	7,828.37	252.04	268.07	-169.70	1,150.78	-147.06	9,370.22	9,298.28	71.94	130.251	
16,900.00	7,696.00	17,727.00	7,828.37	254.71	268.07	-169.70	1,150.78	-147.06	9,470.19	9,398.19	72.01	131.520	
17,000.00	7,696.00	17,727.00	7,828.37	257.39	268.07	-169.70	1,150.78	-147.06	9,570.17	9,498.09	72.07	132.786	
17,100.00	7,696.00	17,727.00	7,828.37	260.07	268.07	-169.70	1,150.78	-147.06	9,670.14	9,598.00	72.14	134.048	
17,200.00	7,696.00	17,727.00	7,828.37	262.74	268.07	-169.70	1,150.78	-147.06	9,770.11	9,697.91	72.21	135.306	
17,300.00	7,696.00	17,727.00	7,828.37	265.42	268.07	-169.70	1,150.78	-147.06	9,870.09	9,797.81	72.28	136.561	
17,400.00	7,696.00	17,727.00	7,828.37	268.10	268.07	-169.70	1,150.78	-147.06	9,970.06	9,897.72	72.35	137.812	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	17,663.66	7,727.20	0.00	266.99	18.95	550.87	189.14	7,837.67				
100.00	100.00	17,665.43	7,727.24	0.13	267.03	18.78	550.89	187.37	7,737.95	7,650.12	87.83	88.099	
200.00	200.00	17,667.22	7,727.29	0.49	267.08	18.62	550.91	185.59	7,638.24	7,550.33	87.91	86.883	
300.00	300.00	17,669.01	7,727.33	0.85	267.13	18.45	550.94	183.80	7,538.53	7,450.53	88.00	85.662	
400.00	399.98	17,671.15	7,727.38	1.21	267.19	52.97	550.96	181.66	7,438.74	7,350.65	88.09	84.444	
500.00	499.84	17,673.97	7,727.45	1.57	267.26	94.79	551.00	178.84	7,338.84	7,250.68	88.16	83.245	
600.00	599.45	17,677.47	7,727.53	1.94	267.35	132.83	551.05	175.34	7,238.95	7,150.75	88.21	82.068	
700.00	698.70	17,681.66	7,727.63	2.32	267.47	150.67	551.11	171.15	7,139.20	7,050.97	88.23	80.917	
800.00	797.47	17,686.54	7,727.75	2.72	267.60	158.47	551.18	166.27	7,039.71	6,951.49	88.23	79.792	
900.00	896.03	17,691.70	7,727.87	3.14	267.74	158.77	551.26	161.11	6,940.36	6,852.14	88.22	78.667	
1,000.00	994.59	17,696.90	7,728.00	3.57	267.87	159.08	551.33	155.91	6,841.02	6,752.80	88.23	77.538	
1,100.00	1,093.16	17,702.14	7,728.13	4.00	268.01	159.39	551.42	150.68	6,741.70	6,653.46	88.24	76.405	
1,200.00	1,191.72	17,707.42	7,728.26	4.44	268.16	159.71	551.50	145.40	6,642.39	6,554.14	88.25	75.269	
1,300.00	1,290.28	17,712.74	7,728.39	4.88	268.30	160.03	551.59	140.08	6,543.10	6,454.83	88.26	74.131	
1,400.00	1,388.84	17,718.09	7,728.52	5.32	268.44	160.36	551.68	134.73	6,443.82	6,355.53	88.28	72.989	
1,500.00	1,487.40	17,724.34	7,728.68	5.76	268.61	160.74	551.78	128.49	6,344.56	6,256.24	88.32	71.839	
1,600.00	1,585.96	17,731.55	7,728.86	6.20	268.80	161.19	551.89	121.29	6,245.31	6,156.95	88.36	70.681	
1,700.00	1,684.52	17,738.68	7,729.05	6.65	268.99	161.63	551.98	114.15	6,146.09	6,057.68	88.41	69.521	
1,800.00	1,783.09	17,745.75	7,729.23	7.09	269.18	162.08	552.05	107.08	6,046.87	5,958.42	88.45	68.362	
1,900.00	1,881.65	17,752.76	7,729.41	7.54	269.37	162.53	552.10	100.08	5,947.68	5,859.18	88.50	67.202	
2,000.00	1,980.21	17,759.70	7,729.58	7.99	269.55	162.98	552.14	93.14	5,848.51	5,759.95	88.56	66.042	
2,100.00	2,078.77	17,766.58	7,729.76	8.43	269.74	163.43	552.16	86.26	5,749.36	5,660.75	88.61	64.882	
2,200.00	2,177.33	17,773.40	7,729.94	8.88	269.92	163.88	552.17	79.44	5,650.23	5,561.56	88.67	63.722	
2,300.00	2,275.89	17,780.16	7,730.11	9.33	270.10	164.33	552.16	72.69	5,551.12	5,462.39	88.73	62.561	
2,400.00	2,374.45	17,786.85	7,730.28	9.78	270.28	164.79	552.14	66.00	5,452.04	5,363.25	88.79	61.401	
2,500.00	2,473.02	17,793.49	7,730.46	10.23	270.46	165.24	552.11	59.37	5,352.99	5,264.13	88.86	60.241	
2,600.00	2,571.58	17,800.06	7,730.63	10.67	270.63	165.69	552.06	52.79	5,253.96	5,165.03	88.93	59.081	
2,700.00	2,670.14	17,806.58	7,730.80	11.12	270.81	166.15	551.99	46.28	5,154.96	5,065.96	89.00	57.921	
2,800.00	2,768.70	17,813.15	7,730.97	11.57	270.98	166.61	551.92	39.71	5,055.99	4,966.91	89.08	56.760	
2,900.00	2,867.26	17,819.91	7,731.15	12.02	271.16	167.08	551.86	32.96	4,957.06	4,867.90	89.16	55.598	
3,000.00	2,965.82	17,826.76	7,731.32	12.47	271.35	167.57	551.84	26.11	4,858.16	4,768.91	89.25	54.434	
3,100.00	3,064.38	17,833.70	7,731.50	12.92	271.53	168.06	551.83	19.17	4,759.29	4,669.95	89.34	53.269	
3,200.00	3,162.95	17,840.75	7,731.68	13.37	271.72	168.57	551.86	12.13	4,660.47	4,571.02	89.45	52.103	
3,300.00	3,261.51	17,847.89	7,731.86	13.82	271.91	169.09	551.92	4.99	4,561.68	4,472.13	89.56	50.935	
3,400.00	3,360.07	17,855.13	7,732.04	14.27	272.11	169.62	552.00	-2.26	4,462.94	4,373.27	89.68	49.766	
3,500.00	3,458.63	17,862.48	7,732.22	14.72	272.30	170.15	552.12	-9.60	4,364.25	4,274.44	89.81	48.596	
3,600.00	3,557.19	17,868.67	7,732.37	15.17	272.47	170.61	552.21	-15.78	4,265.61	4,175.67	89.94	47.430	
3,700.00	3,655.75	17,875.35	7,732.54	15.62	272.65	171.11	552.31	-22.47	4,167.02	4,076.94	90.08	46.260	
3,800.00	3,754.32	17,882.04	7,732.71	16.07	272.83	171.61	552.41	-29.16	4,068.48	3,978.25	90.23	45.088	
3,900.00	3,852.88	17,888.73	7,732.87	16.52	273.01	172.12	552.51	-35.84	3,970.02	3,879.61	90.40	43.914	
4,000.00	3,951.44	17,895.42	7,733.04	16.97	273.19	172.62	552.61	-42.53	3,871.61	3,781.02	90.59	42.738	
4,100.00	4,050.00	17,902.11	7,733.20	17.42	273.36	173.14	552.71	-49.21	3,773.28	3,682.49	90.79	41.559	
4,200.00	4,148.56	17,899.00	7,733.13	17.87	273.28	172.90	552.67	-46.11	3,675.04	3,584.11	90.93	40.416	
4,300.00	4,247.12	17,899.00	7,733.13	18.32	273.28	172.90	552.67	-46.11	3,576.90	3,485.78	91.12	39.254	
4,400.00	4,345.68	17,899.00	7,733.13	18.77	273.28	172.90	552.67	-46.11	3,478.86	3,387.52	91.34	38.088	
4,500.00	4,444.25	17,899.00	7,733.13	19.22	273.28	172.90	552.67	-46.11	3,380.94	3,289.35	91.59	36.915	
4,600.00	4,542.81	17,899.00	7,733.13	19.67	273.28	172.90	552.67	-46.11	3,283.14	3,191.27	91.87	35.736	
4,700.00	4,641.37	17,899.00	7,733.13	20.12	273.28	172.90	552.67	-46.11	3,185.48	3,093.28	92.20	34.549	
4,800.00	4,739.93	17,899.00	7,733.13	20.57	273.28	172.90	552.67	-46.11	3,087.97	2,995.39	92.58	33.355	
4,900.00	4,838.49	17,899.00	7,733.13	21.02	273.28	172.90	552.67	-46.11	2,990.62	2,897.61	93.01	32.153	
5,000.00	4,937.05	17,899.00	7,733.13	21.47	273.28	172.90	552.67	-46.11	2,893.46	2,799.94	93.51	30.941	
5,100.00	5,035.61	17,899.00	7,733.13	21.92	273.28	172.90	552.67	-46.11	2,796.49	2,702.40	94.09	29.721	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	17,899.00	7,733.13	22.38	273.28	172.90	552.67	-46.11	2,699.75	2,604.98	94.76	28.490		
5,300.00	5,232.74	17,899.00	7,733.13	22.83	273.28	172.90	552.67	-46.11	2,603.25	2,507.71	95.53	27.249		
5,400.00	5,331.30	17,899.00	7,733.13	23.28	273.28	172.90	552.67	-46.11	2,507.02	2,410.59	96.43	25.998		
5,500.00	5,429.86	17,899.00	7,733.13	23.73	273.28	172.90	552.67	-46.11	2,411.11	2,313.63	97.47	24.736		
5,600.00	5,528.42	17,899.00	7,733.13	24.18	273.28	172.90	552.67	-46.11	2,315.54	2,216.85	98.69	23.463		
5,700.00	5,626.98	17,899.00	7,733.13	24.63	273.28	172.90	552.67	-46.11	2,220.35	2,120.25	100.10	22.181		
5,800.00	5,725.54	17,899.00	7,733.13	25.08	273.28	172.90	552.67	-46.11	2,125.62	2,023.86	101.75	20.890		
5,900.00	5,824.11	17,899.00	7,733.13	25.53	273.28	172.90	552.67	-46.11	2,031.38	1,927.70	103.68	19.593		
6,000.00	5,922.67	17,899.00	7,733.13	25.98	273.28	172.90	552.67	-46.11	1,937.73	1,831.79	105.94	18.291		
6,100.00	6,021.23	17,899.00	7,733.13	26.43	273.28	172.90	552.67	-46.11	1,844.74	1,736.15	108.59	16.988		
6,200.00	6,119.79	17,899.00	7,733.13	26.88	273.28	172.90	552.67	-46.11	1,752.52	1,640.82	111.70	15.689		
6,300.00	6,218.35	17,899.00	7,733.13	27.33	273.28	172.90	552.67	-46.11	1,661.20	1,545.84	115.36	14.401		
6,400.00	6,316.91	17,899.00	7,733.13	27.78	273.28	172.90	552.67	-46.11	1,570.94	1,451.29	119.66	13.129		
6,500.00	6,415.48	17,899.00	7,733.13	28.23	273.28	172.90	552.67	-46.11	1,481.93	1,357.22	124.71	11.883		
6,600.00	6,514.04	17,899.00	7,733.13	28.69	273.28	172.90	552.67	-46.11	1,394.42	1,263.76	130.65	10.673		
6,700.00	6,612.60	17,899.00	7,733.13	29.14	273.28	172.90	552.67	-46.11	1,308.69	1,171.06	137.63	9.509		
6,800.00	6,711.16	17,899.00	7,733.13	29.59	273.28	172.90	552.67	-46.11	1,225.13	1,079.32	145.81	8.402		
6,900.00	6,809.72	17,899.00	7,733.13	30.04	273.28	172.90	552.67	-46.11	1,144.21	988.86	155.35	7.366		
7,000.00	6,908.28	17,899.00	7,733.13	30.49	273.28	172.90	552.67	-46.11	1,066.53	900.12	166.41	6.409		
7,100.00	7,006.84	17,899.00	7,733.13	30.94	273.28	172.90	552.67	-46.11	992.85	813.74	179.11	5.543		
7,200.00	7,105.41	17,899.00	7,733.13	31.39	273.28	172.90	552.67	-46.11	924.13	730.65	193.48	4.776		
7,300.00	7,203.81	17,899.00	7,733.13	31.85	273.28	-166.55	552.67	-46.11	862.25	652.99	209.26	4.120		
7,400.00	7,300.02	17,899.00	7,733.13	32.33	273.28	-148.41	552.67	-46.11	813.73	588.87	224.85	3.619		
7,500.00	7,391.09	17,899.00	7,733.13	32.83	273.28	-141.98	552.67	-46.11	783.26	545.33	237.93	3.292		
7,591.93	7,467.90	17,899.00	7,733.13	33.31	273.28	-138.50	552.67	-46.11	773.87	528.18	245.69	3.150 CC		
7,600.00	7,474.26	17,899.00	7,733.13	33.35	273.28	-138.22	552.67	-46.11	773.94	527.82	246.12	3.145 ES, SF		
7,700.00	7,546.99	17,899.00	7,733.13	33.90	273.28	-134.54	552.67	-46.11	786.81	538.76	248.04	3.172		
7,800.00	7,607.07	17,899.00	7,733.13	34.51	273.28	-129.87	552.67	-46.11	820.44	576.46	243.98	3.363		
7,900.00	7,652.68	17,899.00	7,733.13	35.20	273.28	-123.55	552.67	-46.11	871.50	635.95	235.54	3.700		
8,000.00	7,682.43	17,899.00	7,733.13	36.00	273.28	-115.08	552.67	-46.11	935.74	711.06	224.68	4.165		
8,100.00	7,695.43	17,899.00	7,733.13	36.92	273.28	-104.28	552.67	-46.11	1,008.90	795.96	212.94	4.738		
8,200.00	7,696.00	17,899.00	7,733.13	37.98	273.28	-101.17	552.67	-46.11	1,087.28	885.76	201.52	5.395		
8,300.00	7,696.00	17,899.00	7,733.13	39.21	273.28	-101.17	552.67	-46.11	1,168.97	977.74	191.23	6.113		
8,400.00	7,696.00	17,899.00	7,733.13	40.59	273.28	-101.17	552.67	-46.11	1,253.32	1,071.29	182.03	6.885		
8,500.00	7,696.00	17,899.00	7,733.13	42.11	273.28	-101.17	552.67	-46.11	1,339.83	1,166.01	173.82	7.708		
8,600.00	7,696.00	17,899.00	7,733.13	43.76	273.28	-101.17	552.67	-46.11	1,428.10	1,261.61	166.49	8.578		
8,700.00	7,696.00	17,899.00	7,733.13	45.51	273.28	-101.17	552.67	-46.11	1,517.83	1,357.89	159.93	9.490		
8,800.00	7,696.00	17,899.00	7,733.13	47.37	273.28	-101.17	552.67	-46.11	1,608.76	1,454.70	154.06	10.442		
8,900.00	7,696.00	17,899.00	7,733.13	49.31	273.28	-101.17	552.67	-46.11	1,700.72	1,551.93	148.79	11.430		
9,000.00	7,696.00	17,899.00	7,733.13	51.33	273.28	-101.17	552.67	-46.11	1,793.54	1,649.50	144.04	12.452		
9,100.00	7,696.00	17,899.00	7,733.13	53.41	273.28	-101.17	552.67	-46.11	1,887.09	1,747.34	139.75	13.504		
9,200.00	7,696.00	17,899.00	7,733.13	55.54	273.28	-101.17	552.67	-46.11	1,981.27	1,845.41	135.86	14.583		
9,300.00	7,696.00	17,899.00	7,733.13	57.73	273.28	-101.17	552.67	-46.11	2,075.99	1,943.67	132.33	15.689		
9,400.00	7,696.00	17,899.00	7,733.13	59.96	273.28	-101.17	552.67	-46.11	2,171.19	2,042.09	129.11	16.817		
9,500.00	7,696.00	17,899.00	7,733.13	62.23	273.28	-101.17	552.67	-46.11	2,266.80	2,140.64	126.17	17.967		
9,600.00	7,696.00	17,899.00	7,733.13	64.54	273.28	-101.17	552.67	-46.11	2,362.78	2,239.31	123.47	19.136		
9,700.00	7,696.00	17,899.00	7,733.13	66.87	273.28	-101.17	552.67	-46.11	2,459.07	2,338.08	121.00	20.323		
9,800.00	7,696.00	17,899.00	7,733.13	69.23	273.28	-101.17	552.67	-46.11	2,555.66	2,436.93	118.72	21.526		
9,900.00	7,696.00	17,899.00	7,733.13	71.62	273.28	-101.17	552.67	-46.11	2,652.49	2,535.87	116.62	22.744		
10,000.00	7,696.00	17,899.00	7,733.13	74.03	273.28	-101.17	552.67	-46.11	2,749.55	2,634.87	114.68	23.976		
10,100.00	7,696.00	17,899.00	7,733.13	76.46	273.28	-101.17	552.67	-46.11	2,846.81	2,733.93	112.88	25.219		
10,200.00	7,696.00	17,899.00	7,733.13	78.91	273.28	-101.17	552.67	-46.11	2,944.26	2,833.05	111.22	26.473		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	17,899.00	7,733.13	81.37	273.28	-101.17	552.67	-46.11	3,041.87	2,932.21	109.67	27.738		
10,400.00	7,696.00	17,899.00	7,733.13	83.85	273.28	-101.17	552.67	-46.11	3,139.64	3,031.41	108.22	29.011		
10,500.00	7,696.00	17,899.00	7,733.13	86.34	273.28	-101.17	552.67	-46.11	3,237.54	3,130.66	106.88	30.292		
10,600.00	7,696.00	17,899.00	7,733.13	88.84	273.28	-101.17	552.67	-46.11	3,335.56	3,229.94	105.62	31.581		
10,700.00	7,696.00	17,899.00	7,733.13	91.36	273.28	-101.17	552.67	-46.11	3,433.70	3,329.26	104.44	32.876		
10,800.00	7,696.00	17,899.00	7,733.13	93.88	273.28	-101.17	552.67	-46.11	3,531.94	3,428.60	103.34	34.177		
10,900.00	7,696.00	17,899.00	7,733.13	96.42	273.28	-101.17	552.67	-46.11	3,630.28	3,527.97	102.31	35.483		
11,000.00	7,696.00	17,899.00	7,733.13	98.96	273.28	-101.17	552.67	-46.11	3,728.71	3,627.37	101.34	36.793		
11,100.00	7,696.00	17,899.00	7,733.13	101.51	273.28	-101.17	552.67	-46.11	3,827.22	3,726.79	100.43	38.108		
11,200.00	7,696.00	17,899.00	7,733.13	104.07	273.28	-101.17	552.67	-46.11	3,925.80	3,826.23	99.57	39.426		
11,300.00	7,696.00	17,899.00	7,733.13	106.64	273.28	-101.17	552.67	-46.11	4,024.46	3,925.69	98.77	40.747		
11,400.00	7,696.00	17,899.00	7,733.13	109.21	273.28	-101.17	552.67	-46.11	4,123.18	4,025.17	98.01	42.071		
11,500.00	7,696.00	17,899.00	7,733.13	111.79	273.28	-101.17	552.67	-46.11	4,221.95	4,124.67	97.29	43.397		
11,600.00	7,696.00	17,899.00	7,733.13	114.37	273.28	-101.17	552.67	-46.11	4,320.79	4,224.18	96.61	44.725		
11,700.00	7,696.00	17,899.00	7,733.13	116.96	273.28	-101.17	552.67	-46.11	4,419.68	4,323.71	95.97	46.054		
11,800.00	7,696.00	17,899.00	7,733.13	119.56	273.28	-101.17	552.67	-46.11	4,518.61	4,423.25	95.36	47.384		
11,900.00	7,696.00	17,899.00	7,733.13	122.16	273.28	-101.17	552.67	-46.11	4,617.60	4,522.81	94.79	48.716		
12,000.00	7,696.00	17,899.00	7,733.13	124.76	273.28	-101.17	552.67	-46.11	4,716.62	4,622.38	94.24	50.048		
12,100.00	7,696.00	17,899.00	7,733.13	127.37	273.28	-101.17	552.67	-46.11	4,815.69	4,721.96	93.73	51.380		
12,200.00	7,696.00	17,899.00	7,733.13	129.98	273.28	-101.17	552.67	-46.11	4,914.79	4,821.55	93.24	52.712		
12,300.00	7,696.00	17,899.00	7,733.13	132.59	273.28	-101.17	552.67	-46.11	5,013.93	4,921.16	92.77	54.045		
12,400.00	7,696.00	17,899.00	7,733.13	135.21	273.28	-101.17	552.67	-46.11	5,113.10	5,020.77	92.33	55.377		
12,500.00	7,696.00	17,899.00	7,733.13	137.83	273.28	-101.17	552.67	-46.11	5,212.31	5,120.39	91.91	56.708		
12,600.00	7,696.00	17,899.00	7,733.13	140.45	273.28	-101.17	552.67	-46.11	5,311.54	5,220.03	91.52	58.039		
12,700.00	7,696.00	17,899.00	7,733.13	143.08	273.28	-101.17	552.67	-46.11	5,410.80	5,319.67	91.14	59.369		
12,800.00	7,696.00	17,899.00	7,733.13	145.71	273.28	-101.17	552.67	-46.11	5,510.09	5,419.31	90.78	60.698		
12,900.00	7,696.00	17,899.00	7,733.13	148.34	273.28	-101.17	552.67	-46.11	5,609.41	5,518.97	90.44	62.026		
13,000.00	7,696.00	17,899.00	7,733.13	150.97	273.28	-101.17	552.67	-46.11	5,708.75	5,618.63	90.11	63.352		
13,100.00	7,696.00	17,899.00	7,733.13	153.61	273.28	-101.17	552.67	-46.11	5,808.11	5,718.31	89.80	64.677		
13,200.00	7,696.00	17,899.00	7,733.13	156.24	273.28	-101.17	552.67	-46.11	5,907.49	5,817.98	89.51	66.001		
13,300.00	7,696.00	17,899.00	7,733.13	158.88	273.28	-101.17	552.67	-46.11	6,006.89	5,917.67	89.23	67.323		
13,400.00	7,696.00	17,899.00	7,733.13	161.53	273.28	-101.17	552.67	-46.11	6,106.32	6,017.36	88.96	68.643		
13,500.00	7,696.00	17,899.00	7,733.13	164.17	273.28	-101.17	552.67	-46.11	6,205.76	6,117.05	88.70	69.961		
13,600.00	7,696.00	17,899.00	7,733.13	166.81	273.28	-101.17	552.67	-46.11	6,305.21	6,216.76	88.46	71.278		
13,700.00	7,696.00	17,899.00	7,733.13	169.46	273.28	-101.17	552.67	-46.11	6,404.69	6,316.46	88.23	72.592		
13,800.00	7,696.00	17,899.00	7,733.13	172.11	273.28	-101.17	552.67	-46.11	6,504.18	6,416.17	88.01	73.904		
13,900.00	7,696.00	17,899.00	7,733.13	174.76	273.28	-101.17	552.67	-46.11	6,603.69	6,515.89	87.80	75.214		
14,000.00	7,696.00	17,899.00	7,733.13	177.41	273.28	-101.17	552.67	-46.11	6,703.21	6,615.61	87.60	76.522		
14,100.00	7,696.00	17,899.00	7,733.13	180.06	273.28	-101.17	552.67	-46.11	6,802.75	6,715.34	87.41	77.828		
14,200.00	7,696.00	17,899.00	7,733.13	182.72	273.28	-101.17	552.67	-46.11	6,902.30	6,815.07	87.23	79.131		
14,300.00	7,696.00	17,899.00	7,733.13	185.37	273.28	-101.17	552.67	-46.11	7,001.86	6,914.80	87.05	80.431		
14,400.00	7,696.00	17,899.00	7,733.13	188.03	273.28	-101.17	552.67	-46.11	7,101.43	7,014.54	86.89	81.729		
14,500.00	7,696.00	17,899.00	7,733.13	190.69	273.28	-101.17	552.67	-46.11	7,201.02	7,114.28	86.73	83.025		
14,600.00	7,696.00	17,899.00	7,733.13	193.34	273.28	-101.17	552.67	-46.11	7,300.62	7,214.03	86.58	84.318		
14,700.00	7,696.00	17,899.00	7,733.13	196.00	273.28	-101.17	552.67	-46.11	7,400.22	7,313.78	86.44	85.608		
14,800.00	7,696.00	17,899.00	7,733.13	198.66	273.28	-101.17	552.67	-46.11	7,499.84	7,413.53	86.31	86.896		
14,900.00	7,696.00	17,899.00	7,733.13	201.33	273.28	-101.17	552.67	-46.11	7,599.47	7,513.29	86.18	88.180		
15,000.00	7,696.00	17,899.00	7,733.13	203.99	273.28	-101.17	552.67	-46.11	7,699.11	7,613.05	86.06	89.462		
15,100.00	7,696.00	17,899.00	7,733.13	206.65	273.28	-101.17	552.67	-46.11	7,798.76	7,712.81	85.94	90.741		
15,200.00	7,696.00	17,899.00	7,733.13	209.32	273.28	-101.17	552.67	-46.11	7,898.41	7,812.58	85.84	92.018		
15,300.00	7,696.00	17,899.00	7,733.13	211.98	273.28	-101.17	552.67	-46.11	7,998.08	7,912.35	85.73	93.291		
15,400.00	7,696.00	17,899.00	7,733.13	214.65	273.28	-101.17	552.67	-46.11	8,097.75	8,012.12	85.63	94.561		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 2EH - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,696.00	17,899.00	7,733.13	217.31	273.28	-101.17	552.67	-46.11	8,197.43	8,111.89	85.54	95.829		
15,600.00	7,696.00	17,899.00	7,733.13	219.98	273.28	-101.17	552.67	-46.11	8,297.12	8,211.67	85.46	97.093		
15,700.00	7,696.00	17,899.00	7,733.13	222.65	273.28	-101.17	552.67	-46.11	8,396.82	8,311.45	85.37	98.354		
15,800.00	7,696.00	17,899.00	7,733.13	225.32	273.28	-101.17	552.67	-46.11	8,496.52	8,411.23	85.30	99.613		
15,900.00	7,696.00	17,899.00	7,733.13	227.99	273.28	-101.17	552.67	-46.11	8,596.23	8,511.01	85.22	100.868		
16,000.00	7,696.00	17,899.00	7,733.13	230.66	273.28	-101.17	552.67	-46.11	8,695.95	8,610.80	85.15	102.120		
16,100.00	7,696.00	17,899.00	7,733.13	233.33	273.28	-101.17	552.67	-46.11	8,795.67	8,710.58	85.09	103.368		
16,200.00	7,696.00	17,899.00	7,733.13	236.00	273.28	-101.17	552.67	-46.11	8,895.40	8,810.37	85.03	104.614		
16,300.00	7,696.00	17,899.00	7,733.13	238.67	273.28	-101.17	552.67	-46.11	8,995.14	8,910.16	84.97	105.856		
16,400.00	7,696.00	17,899.00	7,733.13	241.34	273.28	-101.17	552.67	-46.11	9,094.88	9,009.96	84.92	107.096		
16,500.00	7,696.00	17,899.00	7,733.13	244.02	273.28	-101.17	552.67	-46.11	9,194.63	9,109.75	84.87	108.332		
16,600.00	7,696.00	17,899.00	7,733.13	246.69	273.28	-101.17	552.67	-46.11	9,294.38	9,209.55	84.83	109.564		
16,700.00	7,696.00	17,899.00	7,733.13	249.36	273.28	-101.17	552.67	-46.11	9,394.14	9,309.35	84.79	110.794		
16,800.00	7,696.00	17,899.00	7,733.13	252.04	273.28	-101.17	552.67	-46.11	9,493.90	9,409.15	84.75	112.020		
16,900.00	7,696.00	17,899.00	7,733.13	254.71	273.28	-101.17	552.67	-46.11	9,593.67	9,508.95	84.72	113.243		
17,000.00	7,696.00	17,899.00	7,733.13	257.39	273.28	-101.17	552.67	-46.11	9,693.44	9,608.75	84.69	114.462		
17,100.00	7,696.00	17,899.00	7,733.13	260.07	273.28	-101.17	552.67	-46.11	9,793.22	9,708.56	84.66	115.678		
17,200.00	7,696.00	17,899.00	7,733.13	262.74	273.28	-101.17	552.67	-46.11	9,893.00	9,808.37	84.63	116.891		
17,300.00	7,696.00	17,899.00	7,733.13	265.42	273.28	-101.17	552.67	-46.11	9,992.79	9,908.17	84.61	118.100		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,904.07	7,833.52	0.00	268.47	100.59	-23.35	124.96	7,923.54					
100.00	100.00	17,905.17	7,833.54	0.13	268.50	100.67	-23.34	123.86	7,823.55	7,736.66	86.89	90.043		
200.00	200.00	17,906.28	7,833.55	0.49	268.53	100.76	-23.33	122.75	7,723.56	7,636.66	86.90	88.876		
300.00	300.00	17,907.40	7,833.57	0.85	268.56	100.85	-23.32	121.63	7,623.58	7,536.65	86.92	87.704		
400.00	399.98	17,908.83	7,833.59	1.21	268.60	160.56	-23.30	120.20	7,523.62	7,436.67	86.95	86.528		
500.00	499.84	17,910.88	7,833.63	1.57	268.65	169.24	-23.29	118.15	7,423.82	7,336.84	86.98	85.352		
600.00	599.45	17,913.54	7,833.67	1.94	268.73	172.68	-23.26	115.49	7,324.29	7,237.28	87.01	84.178		
700.00	698.70	17,916.83	7,833.72	2.32	268.81	174.53	-23.23	112.21	7,225.17	7,138.13	87.05	83.004		
800.00	797.47	17,920.72	7,833.79	2.72	268.92	175.59	-23.20	108.32	7,126.61	7,039.52	87.09	81.834		
900.00	896.03	17,924.85	7,833.86	3.14	269.03	175.77	-23.17	104.19	7,028.30	6,941.15	87.15	80.644		
1,000.00	994.59	17,928.99	7,833.93	3.57	269.14	175.94	-23.14	100.04	6,930.04	6,842.81	87.23	79.446		
1,100.00	1,093.16	17,933.15	7,834.00	4.00	269.25	176.12	-23.11	95.88	6,831.83	6,744.51	87.32	78.240		
1,200.00	1,191.72	17,937.33	7,834.07	4.44	269.36	176.29	-23.09	91.70	6,733.67	6,646.25	87.42	77.026		
1,300.00	1,290.28	17,941.53	7,834.15	4.88	269.47	176.47	-23.07	87.51	6,635.55	6,548.02	87.53	75.806		
1,400.00	1,388.84	17,945.74	7,834.22	5.32	269.59	176.65	-23.05	83.30	6,537.50	6,449.84	87.66	74.578		
1,500.00	1,487.40	17,949.97	7,834.30	5.76	269.70	176.83	-23.04	79.07	6,439.49	6,351.69	87.80	73.344		
1,600.00	1,585.96	17,954.22	7,834.38	6.20	269.81	177.01	-23.02	74.82	6,341.55	6,253.60	87.95	72.103		
1,700.00	1,684.52	17,958.48	7,834.46	6.65	269.93	177.19	-23.01	70.56	6,243.67	6,155.55	88.12	70.856		
1,800.00	1,783.09	17,962.76	7,834.54	7.09	270.04	177.37	-23.01	66.28	6,145.85	6,057.55	88.30	69.603		
1,900.00	1,881.65	17,967.06	7,834.62	7.54	270.16	177.56	-23.00	61.98	6,048.09	5,959.60	88.49	68.344		
2,000.00	1,980.21	17,971.38	7,834.71	7.99	270.27	177.74	-23.00	57.66	5,950.41	5,861.71	88.71	67.080		
2,100.00	2,078.77	17,975.71	7,834.79	8.43	270.39	177.93	-23.00	53.33	5,852.80	5,763.87	88.94	65.809		
2,200.00	2,177.33	17,980.00	7,834.98	8.88	270.64	178.33	-23.02	44.04	5,755.28	5,666.05	89.23	64.502		
2,300.00	2,275.89	17,985.00	7,834.98	9.33	270.64	178.33	-23.02	44.04	5,657.83	5,568.37	89.46	63.247		
2,400.00	2,374.45	17,994.87	7,835.17	9.78	270.90	178.76	-23.02	34.18	5,560.46	5,470.67	89.79	61.928		
2,500.00	2,473.02	18,006.26	7,835.39	10.23	271.20	179.25	-22.97	22.79	5,463.18	5,373.02	90.16	60.596		
2,600.00	2,571.58	18,017.71	7,835.61	10.67	271.51	179.75	-22.86	11.34	5,365.98	5,275.44	90.55	59.261		
2,700.00	2,670.14	18,029.22	7,835.81	11.12	271.82	-179.75	-22.69	-0.17	5,268.88	5,177.92	90.96	57.922		
2,800.00	2,768.70	18,040.79	7,836.01	11.57	272.13	-179.24	-22.46	-11.74	5,171.87	5,080.47	91.41	56.580		
2,900.00	2,867.26	18,044.04	7,836.07	12.02	272.21	-179.10	-22.40	-14.98	5,074.98	4,983.17	91.81	55.276		
3,000.00	2,965.82	18,050.07	7,836.18	12.47	272.37	-178.84	-22.28	-21.00	4,978.20	4,885.93	92.27	53.954		
3,100.00	3,064.38	18,056.09	7,836.28	12.92	272.54	-178.57	-22.16	-27.03	4,881.54	4,788.78	92.76	52.626		
3,200.00	3,162.95	18,062.12	7,836.38	13.37	272.70	-178.30	-22.04	-33.05	4,785.01	4,691.72	93.29	51.294		
3,300.00	3,261.51	18,068.15	7,836.49	13.82	272.86	-178.04	-21.92	-39.08	4,688.62	4,594.76	93.85	49.956		
3,400.00	3,360.07	18,074.17	7,836.59	14.27	273.02	-177.77	-21.80	-45.10	4,592.37	4,497.91	94.46	48.615		
3,500.00	3,458.63	18,080.20	7,836.70	14.72	273.18	-177.50	-21.68	-51.13	4,496.28	4,401.16	95.12	47.269		
3,600.00	3,557.19	18,077.00	7,836.64	15.17	273.10	-177.64	-21.75	-47.93	4,400.37	4,304.61	95.76	45.954		
3,700.00	3,655.75	18,077.00	7,836.64	15.62	273.10	-177.64	-21.75	-47.93	4,304.64	4,208.17	96.47	44.621		
3,800.00	3,754.32	18,077.00	7,836.64	16.07	273.10	-177.64	-21.75	-47.93	4,209.11	4,111.86	97.25	43.283		
3,900.00	3,852.88	18,077.00	7,836.64	16.52	273.10	-177.64	-21.75	-47.93	4,113.79	4,015.70	98.09	41.940		
4,000.00	3,951.44	18,077.00	7,836.64	16.97	273.10	-177.64	-21.75	-47.93	4,018.70	3,919.69	99.00	40.592		
4,100.00	4,050.00	18,077.00	7,836.64	17.42	273.10	-177.64	-21.75	-47.93	3,923.85	3,823.85	99.99	39.240		
4,200.00	4,148.56	18,077.00	7,836.64	17.87	273.10	-177.64	-21.75	-47.93	3,829.26	3,728.19	101.07	37.886		
4,300.00	4,247.12	18,077.00	7,836.64	18.32	273.10	-177.64	-21.75	-47.93	3,734.96	3,632.72	102.25	36.529		
4,400.00	4,345.68	18,077.00	7,836.64	18.77	273.10	-177.64	-21.75	-47.93	3,640.96	3,537.44	103.52	35.172		
4,500.00	4,444.25	18,077.00	7,836.64	19.22	273.10	-177.64	-21.75	-47.93	3,547.29	3,442.39	104.91	33.814		
4,600.00	4,542.81	18,077.00	7,836.64	19.67	273.10	-177.64	-21.75	-47.93	3,453.98	3,347.56	106.42	32.457		
4,700.00	4,641.37	18,077.00	7,836.64	20.12	273.10	-177.64	-21.75	-47.93	3,361.05	3,252.99	108.06	31.104		
4,800.00	4,739.93	18,077.00	7,836.64	20.57	273.10	-177.64	-21.75	-47.93	3,268.53	3,158.68	109.85	29.755		
4,900.00	4,838.49	18,077.00	7,836.64	21.02	273.10	-177.64	-21.75	-47.93	3,176.47	3,064.67	111.80	28.412		
5,000.00	4,937.05	18,077.00	7,836.64	21.47	273.10	-177.64	-21.75	-47.93	3,084.91	2,970.98	113.93	27.078		
5,100.00	5,035.61	18,077.00	7,836.64	21.92	273.10	-177.64	-21.75	-47.93	2,993.88	2,877.64	116.24	25.755		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,134.18	18,077.00	7,836.64	22.38	273.10	-177.64	-21.75	-47.93	2,903.45	2,784.68	118.77	24.445	
5,300.00	5,232.74	18,077.00	7,836.64	22.83	273.10	-177.64	-21.75	-47.93	2,813.66	2,692.13	121.53	23.152	
5,400.00	5,331.30	18,077.00	7,836.64	23.28	273.10	-177.64	-21.75	-47.93	2,724.59	2,600.05	124.54	21.878	
5,500.00	5,429.86	18,077.00	7,836.64	23.73	273.10	-177.64	-21.75	-47.93	2,636.29	2,508.48	127.82	20.625	
5,600.00	5,528.42	18,077.00	7,836.64	24.18	273.10	-177.64	-21.75	-47.93	2,548.87	2,417.47	131.40	19.398	
5,700.00	5,626.98	18,077.00	7,836.64	24.63	273.10	-177.64	-21.75	-47.93	2,462.40	2,327.10	135.30	18.200	
5,800.00	5,725.54	18,077.00	7,836.64	25.08	273.10	-177.64	-21.75	-47.93	2,376.99	2,237.44	139.55	17.034	
5,900.00	5,824.11	18,077.00	7,836.64	25.53	273.10	-177.64	-21.75	-47.93	2,292.76	2,148.58	144.18	15.903	
6,000.00	5,922.67	18,077.00	7,836.64	25.98	273.10	-177.64	-21.75	-47.93	2,209.85	2,060.63	149.21	14.810	
6,100.00	6,021.23	18,077.00	7,836.64	26.43	273.10	-177.64	-21.75	-47.93	2,128.40	1,973.71	154.69	13.759	
6,200.00	6,119.79	18,077.00	7,836.64	26.88	273.10	-177.64	-21.75	-47.93	2,048.60	1,887.98	160.63	12.754	
6,300.00	6,218.35	18,077.00	7,836.64	27.33	273.10	-177.64	-21.75	-47.93	1,970.65	1,803.59	167.06	11.796	
6,400.00	6,316.91	18,077.00	7,836.64	27.78	273.10	-177.64	-21.75	-47.93	1,894.76	1,720.76	174.00	10.889	
6,500.00	6,415.48	18,077.00	7,836.64	28.23	273.10	-177.64	-21.75	-47.93	1,821.21	1,639.73	181.47	10.036	
6,600.00	6,514.04	18,077.00	7,836.64	28.69	273.10	-177.64	-21.75	-47.93	1,750.28	1,560.80	189.48	9.237	
6,700.00	6,612.60	18,077.00	7,836.64	29.14	273.10	-177.64	-21.75	-47.93	1,682.30	1,484.29	198.01	8.496	
6,800.00	6,711.16	18,077.00	7,836.64	29.59	273.10	-177.64	-21.75	-47.93	1,617.66	1,410.63	207.03	7.814	
6,900.00	6,809.72	18,077.00	7,836.64	30.04	273.10	-177.64	-21.75	-47.93	1,556.76	1,340.26	216.50	7.191	
7,000.00	6,908.28	18,077.00	7,836.64	30.49	273.10	-177.64	-21.75	-47.93	1,500.06	1,273.75	226.31	6.628	
7,100.00	7,006.84	18,077.00	7,836.64	30.94	273.10	-177.64	-21.75	-47.93	1,448.05	1,211.71	236.34	6.127	
7,200.00	7,105.41	18,077.00	7,836.64	31.39	273.10	-177.64	-21.75	-47.93	1,401.26	1,154.83	246.43	5.686	
7,300.00	7,203.81	18,077.00	7,836.64	31.85	273.10	-155.70	-21.75	-47.93	1,360.66	1,104.37	256.29	5.309	
7,400.00	7,300.02	18,077.00	7,836.64	32.33	273.10	-135.71	-21.75	-47.93	1,329.87	1,064.68	265.19	5.015	
7,500.00	7,391.09	18,077.00	7,836.64	32.83	273.10	-128.36	-21.75	-47.93	1,310.92	1,038.54	272.38	4.813	
7,595.22	7,470.50	18,077.00	7,836.64	33.33	273.10	-124.54	-21.75	-47.93	1,304.89	1,027.80	277.09	4.709 CC	
7,600.00	7,474.26	18,077.00	7,836.64	33.35	273.10	-124.38	-21.75	-47.93	1,304.90	1,027.64	277.26	4.706 ES	
7,700.00	7,546.99	18,077.00	7,836.64	33.90	273.10	-121.10	-21.75	-47.93	1,312.18	1,032.71	279.47	4.695 SF	
7,800.00	7,607.07	18,077.00	7,836.64	34.51	273.10	-117.58	-21.75	-47.93	1,332.32	1,053.34	278.99	4.776	
7,900.00	7,652.68	18,077.00	7,836.64	35.20	273.10	-113.37	-21.75	-47.93	1,364.16	1,088.11	276.05	4.942	
8,000.00	7,682.43	18,077.00	7,836.64	36.00	273.10	-108.30	-21.75	-47.93	1,405.98	1,134.83	271.14	5.185	
8,100.00	7,695.43	18,077.00	7,836.64	36.92	273.10	-102.38	-21.75	-47.93	1,455.71	1,190.91	264.79	5.498	
8,200.00	7,696.00	18,077.00	7,836.64	37.98	273.10	-100.73	-21.75	-47.93	1,511.16	1,253.48	257.67	5.865	
8,300.00	7,696.00	18,077.00	7,836.64	39.21	273.10	-100.73	-21.75	-47.93	1,571.04	1,320.55	250.49	6.272	
8,400.00	7,696.00	18,077.00	7,836.64	40.59	273.10	-100.73	-21.75	-47.93	1,634.84	1,391.46	243.38	6.717	
8,500.00	7,696.00	18,077.00	7,836.64	42.11	273.10	-100.73	-21.75	-47.93	1,702.14	1,465.70	236.44	7.199	
8,600.00	7,696.00	18,077.00	7,836.64	43.76	273.10	-100.73	-21.75	-47.93	1,772.52	1,542.80	229.73	7.716	
8,700.00	7,696.00	18,077.00	7,836.64	45.51	273.10	-100.73	-21.75	-47.93	1,845.64	1,622.37	223.28	8.266	
8,800.00	7,696.00	18,077.00	7,836.64	47.37	273.10	-100.73	-21.75	-47.93	1,921.19	1,704.07	217.12	8.849	
8,900.00	7,696.00	18,077.00	7,836.64	49.31	273.10	-100.73	-21.75	-47.93	1,998.88	1,787.61	211.27	9.461	
9,000.00	7,696.00	18,077.00	7,836.64	51.33	273.10	-100.73	-21.75	-47.93	2,078.48	1,872.76	205.72	10.103	
9,100.00	7,696.00	18,077.00	7,836.64	53.41	273.10	-100.73	-21.75	-47.93	2,159.78	1,959.30	200.47	10.773	
9,200.00	7,696.00	18,077.00	7,836.64	55.54	273.10	-100.73	-21.75	-47.93	2,242.59	2,047.07	195.52	11.470	
9,300.00	7,696.00	18,077.00	7,836.64	57.73	273.10	-100.73	-21.75	-47.93	2,326.75	2,135.90	190.85	12.191	
9,400.00	7,696.00	18,077.00	7,836.64	59.96	273.10	-100.73	-21.75	-47.93	2,412.12	2,225.67	186.46	12.937	
9,500.00	7,696.00	18,077.00	7,836.64	62.23	273.10	-100.73	-21.75	-47.93	2,498.58	2,316.27	182.31	13.705	
9,600.00	7,696.00	18,077.00	7,836.64	64.54	273.10	-100.73	-21.75	-47.93	2,586.01	2,407.60	178.41	14.495	
9,700.00	7,696.00	18,077.00	7,836.64	66.87	273.10	-100.73	-21.75	-47.93	2,674.32	2,499.60	174.73	15.306	
9,800.00	7,696.00	18,077.00	7,836.64	69.23	273.10	-100.73	-21.75	-47.93	2,763.43	2,592.18	171.26	16.136	
9,900.00	7,696.00	18,077.00	7,836.64	71.62	273.10	-100.73	-21.75	-47.93	2,853.27	2,685.28	167.99	16.985	
10,000.00	7,696.00	18,077.00	7,836.64	74.03	273.10	-100.73	-21.75	-47.93	2,943.76	2,778.85	164.91	17.851	
10,100.00	7,696.00	18,077.00	7,836.64	76.46	273.10	-100.73	-21.75	-47.93	3,034.84	2,872.85	161.99	18.734	
10,200.00	7,696.00	18,077.00	7,836.64	78.91	273.10	-100.73	-21.75	-47.93	3,126.47	2,967.23	159.24	19.633	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	18,077.00	7,836.64	81.37	273.10	-100.73	-21.75	-47.93	3,218.60	3,061.96	156.64	20.547		
10,400.00	7,696.00	18,077.00	7,836.64	83.85	273.10	-100.73	-21.75	-47.93	3,311.18	3,157.00	154.18	21.476		
10,500.00	7,696.00	18,077.00	7,836.64	86.34	273.10	-100.73	-21.75	-47.93	3,404.19	3,252.33	151.86	22.417		
10,600.00	7,696.00	18,077.00	7,836.64	88.84	273.10	-100.73	-21.75	-47.93	3,497.58	3,347.93	149.65	23.372		
10,700.00	7,696.00	18,077.00	7,836.64	91.36	273.10	-100.73	-21.75	-47.93	3,591.33	3,443.77	147.56	24.338		
10,800.00	7,696.00	18,077.00	7,836.64	93.88	273.10	-100.73	-21.75	-47.93	3,685.40	3,539.83	145.57	25.316		
10,900.00	7,696.00	18,077.00	7,836.64	96.42	273.10	-100.73	-21.75	-47.93	3,779.78	3,636.09	143.69	26.305		
11,000.00	7,696.00	18,077.00	7,836.64	98.96	273.10	-100.73	-21.75	-47.93	3,874.44	3,732.54	141.90	27.304		
11,100.00	7,696.00	18,077.00	7,836.64	101.51	273.10	-100.73	-21.75	-47.93	3,969.37	3,829.17	140.20	28.313		
11,200.00	7,696.00	18,077.00	7,836.64	104.07	273.10	-100.73	-21.75	-47.93	4,064.53	3,925.96	138.58	29.331		
11,300.00	7,696.00	18,077.00	7,836.64	106.64	273.10	-100.73	-21.75	-47.93	4,159.93	4,022.89	137.03	30.357		
11,400.00	7,696.00	18,077.00	7,836.64	109.21	273.10	-100.73	-21.75	-47.93	4,255.53	4,119.97	135.56	31.391		
11,500.00	7,696.00	18,077.00	7,836.64	111.79	273.10	-100.73	-21.75	-47.93	4,351.33	4,217.17	134.16	32.433		
11,600.00	7,696.00	18,077.00	7,836.64	114.37	273.10	-100.73	-21.75	-47.93	4,447.32	4,314.50	132.83	33.482		
11,700.00	7,696.00	18,077.00	7,836.64	116.96	273.10	-100.73	-21.75	-47.93	4,543.48	4,411.93	131.55	34.538		
11,800.00	7,696.00	18,077.00	7,836.64	119.56	273.10	-100.73	-21.75	-47.93	4,639.81	4,509.48	130.33	35.600		
11,900.00	7,696.00	18,077.00	7,836.64	122.16	273.10	-100.73	-21.75	-47.93	4,736.28	4,607.12	129.16	36.669		
12,000.00	7,696.00	18,077.00	7,836.64	124.76	273.10	-100.73	-21.75	-47.93	4,832.90	4,704.85	128.05	37.742		
12,100.00	7,696.00	18,077.00	7,836.64	127.37	273.10	-100.73	-21.75	-47.93	4,929.65	4,802.67	126.98	38.821		
12,200.00	7,696.00	18,077.00	7,836.64	129.98	273.10	-100.73	-21.75	-47.93	5,026.53	4,900.57	125.96	39.905		
12,300.00	7,696.00	18,077.00	7,836.64	132.59	273.10	-100.73	-21.75	-47.93	5,123.53	4,998.55	124.99	40.993		
12,400.00	7,696.00	18,077.00	7,836.64	135.21	273.10	-100.73	-21.75	-47.93	5,220.65	5,096.60	124.05	42.086		
12,500.00	7,696.00	18,077.00	7,836.64	137.83	273.10	-100.73	-21.75	-47.93	5,317.87	5,194.72	123.15	43.182		
12,600.00	7,696.00	18,077.00	7,836.64	140.45	273.10	-100.73	-21.75	-47.93	5,415.19	5,292.90	122.29	44.282		
12,700.00	7,696.00	18,077.00	7,836.64	143.08	273.10	-100.73	-21.75	-47.93	5,512.61	5,391.15	121.46	45.386		
12,800.00	7,696.00	18,077.00	7,836.64	145.71	273.10	-100.73	-21.75	-47.93	5,610.12	5,489.45	120.67	46.492		
12,900.00	7,696.00	18,077.00	7,836.64	148.34	273.10	-100.73	-21.75	-47.93	5,707.71	5,587.81	119.91	47.602		
13,000.00	7,696.00	18,077.00	7,836.64	150.97	273.10	-100.73	-21.75	-47.93	5,805.39	5,686.22	119.17	48.714		
13,100.00	7,696.00	18,077.00	7,836.64	153.61	273.10	-100.73	-21.75	-47.93	5,903.14	5,784.67	118.47	49.829		
13,200.00	7,696.00	18,077.00	7,836.64	156.24	273.10	-100.73	-21.75	-47.93	6,000.97	5,883.18	117.79	50.946		
13,300.00	7,696.00	18,077.00	7,836.64	158.88	273.10	-100.73	-21.75	-47.93	6,098.87	5,981.73	117.14	52.064		
13,400.00	7,696.00	18,077.00	7,836.64	161.53	273.10	-100.73	-21.75	-47.93	6,196.84	6,080.32	116.51	53.185		
13,500.00	7,696.00	18,077.00	7,836.64	164.17	273.10	-100.73	-21.75	-47.93	6,294.87	6,178.95	115.91	54.307		
13,600.00	7,696.00	18,077.00	7,836.64	166.81	273.10	-100.73	-21.75	-47.93	6,392.96	6,277.63	115.33	55.431		
13,700.00	7,696.00	18,077.00	7,836.64	169.46	273.10	-100.73	-21.75	-47.93	6,491.11	6,376.33	114.77	56.556		
13,800.00	7,696.00	18,077.00	7,836.64	172.11	273.10	-100.73	-21.75	-47.93	6,589.31	6,475.08	114.23	57.682		
13,900.00	7,696.00	18,077.00	7,836.64	174.76	273.10	-100.73	-21.75	-47.93	6,687.57	6,573.85	113.72	58.810		
14,000.00	7,696.00	18,077.00	7,836.64	177.41	273.10	-100.73	-21.75	-47.93	6,785.88	6,672.66	113.22	59.938		
14,100.00	7,696.00	18,077.00	7,836.64	180.06	273.10	-100.73	-21.75	-47.93	6,884.24	6,771.50	112.73	61.066		
14,200.00	7,696.00	18,077.00	7,836.64	182.72	273.10	-100.73	-21.75	-47.93	6,982.64	6,870.37	112.27	62.196		
14,300.00	7,696.00	18,077.00	7,836.64	185.37	273.10	-100.73	-21.75	-47.93	7,081.09	6,969.27	111.82	63.325		
14,400.00	7,696.00	18,077.00	7,836.64	188.03	273.10	-100.73	-21.75	-47.93	7,179.58	7,068.19	111.39	64.455		
14,500.00	7,696.00	18,077.00	7,836.64	190.69	273.10	-100.73	-21.75	-47.93	7,278.11	7,167.14	110.97	65.585		
14,600.00	7,696.00	18,077.00	7,836.64	193.34	273.10	-100.73	-21.75	-47.93	7,376.69	7,266.12	110.57	66.715		
14,700.00	7,696.00	18,077.00	7,836.64	196.00	273.10	-100.73	-21.75	-47.93	7,475.30	7,365.12	110.18	67.845		
14,800.00	7,696.00	18,077.00	7,836.64	198.66	273.10	-100.73	-21.75	-47.93	7,573.94	7,464.14	109.81	68.975		
14,900.00	7,696.00	18,077.00	7,836.64	201.33	273.10	-100.73	-21.75	-47.93	7,672.63	7,563.18	109.44	70.105		
15,000.00	7,696.00	18,077.00	7,836.64	203.99	273.10	-100.73	-21.75	-47.93	7,771.34	7,662.25	109.10	71.234		
15,100.00	7,696.00	18,077.00	7,836.64	206.65	273.10	-100.73	-21.75	-47.93	7,870.09	7,761.33	108.76	72.363		
15,200.00	7,696.00	18,077.00	7,836.64	209.32	273.10	-100.73	-21.75	-47.93	7,968.87	7,860.44	108.43	73.491		
15,300.00	7,696.00	18,077.00	7,836.64	211.98	273.10	-100.73	-21.75	-47.93	8,067.68	7,959.56	108.12	74.619		
15,400.00	7,696.00	18,077.00	7,836.64	214.65	273.10	-100.73	-21.75	-47.93	8,166.52	8,058.70	107.81	75.746		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													SEC 35-T3S-R65W - EXIST HZ RESERVE 3-65 35-34 3BH - OWB - FINAL SURVEY		Offset Site Error:		0.00 usft	
Survey Program:		29-MWD OWSG											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)	Minimum Separation (usft)	Separation Factor						
15,500.00	7,696.00	18,077.00	7,836.64	217.31	273.10	-100.73	-21.75	-47.93	8,265.38	8,157.86	107.52	76.872						
15,600.00	7,696.00	18,077.00	7,836.64	219.98	273.10	-100.73	-21.75	-47.93	8,364.28	8,257.04	107.24	77.997						
15,700.00	7,696.00	18,077.00	7,836.64	222.65	273.10	-100.73	-21.75	-47.93	8,463.20	8,356.23	106.96	79.122						
15,800.00	7,696.00	18,077.00	7,836.64	225.32	273.10	-100.73	-21.75	-47.93	8,562.14	8,455.44	106.70	80.245						
15,900.00	7,696.00	18,077.00	7,836.64	227.99	273.10	-100.73	-21.75	-47.93	8,661.11	8,554.66	106.44	81.367						
16,000.00	7,696.00	18,077.00	7,836.64	230.66	273.10	-100.73	-21.75	-47.93	8,760.10	8,653.90	106.20	82.488						
16,100.00	7,696.00	18,077.00	7,836.64	233.33	273.10	-100.73	-21.75	-47.93	8,859.12	8,753.16	105.96	83.608						
16,200.00	7,696.00	18,077.00	7,836.64	236.00	273.10	-100.73	-21.75	-47.93	8,958.15	8,852.42	105.73	84.727						
16,300.00	7,696.00	18,077.00	7,836.64	238.67	273.10	-100.73	-21.75	-47.93	9,057.21	8,951.70	105.51	85.844						
16,400.00	7,696.00	18,077.00	7,836.64	241.34	273.10	-100.73	-21.75	-47.93	9,156.29	9,051.00	105.29	86.960						
16,500.00	7,696.00	18,077.00	7,836.64	244.02	273.10	-100.73	-21.75	-47.93	9,255.39	9,150.30	105.09	88.075						
16,600.00	7,696.00	18,077.00	7,836.64	246.69	273.10	-100.73	-21.75	-47.93	9,354.50	9,249.62	104.89	89.188						
16,700.00	7,696.00	18,077.00	7,836.64	249.36	273.10	-100.73	-21.75	-47.93	9,453.64	9,348.95	104.69	90.299						
16,800.00	7,696.00	18,077.00	7,836.64	252.04	273.10	-100.73	-21.75	-47.93	9,552.79	9,448.29	104.51	91.409						
16,900.00	7,696.00	18,077.00	7,836.64	254.71	273.10	-100.73	-21.75	-47.93	9,651.96	9,547.64	104.33	92.517						
17,000.00	7,696.00	18,077.00	7,836.64	257.39	273.10	-100.73	-21.75	-47.93	9,751.15	9,647.00	104.15	93.624						
17,100.00	7,696.00	18,077.00	7,836.64	260.07	273.10	-100.73	-21.75	-47.93	9,850.36	9,746.37	103.98	94.729						
17,200.00	7,696.00	18,077.00	7,836.64	262.74	273.10	-100.73	-21.75	-47.93	9,949.58	9,845.75	103.82	95.832						

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 3CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	17,961.31	7,746.02	0.00	268.64	168.14	-612.55	128.65	7,859.98					
100.00	100.00	17,963.18	7,746.05	0.13	268.69	168.31	-612.57	126.78	7,760.30	7,669.82	90.48	85.767		
200.00	200.00	17,965.05	7,746.08	0.49	268.74	168.48	-612.59	124.91	7,660.63	7,570.08	90.55	84.604		
300.00	300.00	17,966.91	7,746.10	0.85	268.79	168.64	-612.61	123.05	7,560.97	7,470.35	90.62	83.436		
400.00	399.98	17,969.23	7,746.14	1.21	268.85	-178.21	-612.64	120.73	7,461.48	7,370.77	90.71	82.255		
500.00	499.84	17,972.47	7,746.19	1.57	268.94	-178.45	-612.68	117.49	7,362.43	7,271.59	90.83	81.054		
600.00	599.45	17,976.64	7,746.25	1.94	269.05	-178.56	-612.73	113.32	7,263.94	7,172.95	90.99	79.829		
700.00	698.70	17,981.71	7,746.33	2.32	269.18	-178.61	-612.79	108.25	7,166.18	7,074.98	91.20	78.580		
800.00	797.47	17,987.67	7,746.42	2.72	269.34	-178.58	-612.86	102.30	7,069.27	6,977.83	91.44	77.311		
900.00	896.03	17,993.94	7,746.51	3.14	269.51	-178.39	-612.93	96.02	6,972.78	6,881.03	91.74	76.005		
1,000.00	994.59	18,000.19	7,746.60	3.57	269.68	-178.20	-613.00	89.78	6,876.38	6,784.31	92.07	74.690		
1,100.00	1,093.16	18,002.80	7,746.65	4.00	269.75	-178.12	-613.04	87.17	6,780.09	6,687.70	92.39	73.389		
1,200.00	1,191.72	18,008.09	7,746.72	4.44	269.89	-177.96	-613.10	81.88	6,683.89	6,591.14	92.75	72.061		
1,300.00	1,290.28	18,013.39	7,746.80	4.88	270.03	-177.80	-613.16	76.58	6,587.81	6,494.67	93.15	70.725		
1,400.00	1,388.84	18,018.68	7,746.88	5.32	270.17	-177.64	-613.22	71.29	6,491.84	6,398.28	93.57	69.381		
1,500.00	1,487.40	18,023.97	7,746.96	5.76	270.31	-177.47	-613.28	66.00	6,396.00	6,301.98	94.02	68.029		
1,600.00	1,585.96	18,029.27	7,747.04	6.20	270.45	-177.31	-613.34	60.70	6,300.27	6,205.77	94.50	66.671		
1,700.00	1,684.52	18,034.56	7,747.12	6.65	270.59	-177.15	-613.41	55.41	6,204.68	6,109.67	95.01	65.307		
1,800.00	1,783.09	18,039.86	7,747.20	7.09	270.74	-176.99	-613.47	50.12	6,109.22	6,013.67	95.55	63.937		
1,900.00	1,881.65	18,045.15	7,747.28	7.54	270.88	-176.82	-613.53	44.82	6,013.91	5,917.78	96.13	62.562		
2,000.00	1,980.21	18,050.45	7,747.36	7.99	271.02	-176.66	-613.59	39.53	5,918.74	5,822.00	96.74	61.182		
2,100.00	2,078.77	18,055.75	7,747.44	8.43	271.16	-176.50	-613.65	34.23	5,823.74	5,726.35	97.39	59.799		
2,200.00	2,177.33	18,061.04	7,747.52	8.88	271.30	-176.33	-613.71	28.94	5,728.89	5,630.82	98.08	58.411		
2,300.00	2,275.89	18,066.34	7,747.60	9.33	271.44	-176.17	-613.77	23.64	5,634.23	5,535.42	98.81	57.021		
2,400.00	2,374.45	18,071.64	7,747.68	9.78	271.58	-176.01	-613.84	18.34	5,539.74	5,440.15	99.58	55.629		
2,500.00	2,473.02	18,077.04	7,747.76	10.23	271.73	-175.84	-613.90	12.94	5,445.44	5,345.04	100.41	54.234		
2,600.00	2,571.58	18,082.49	7,747.84	10.67	271.87	-175.67	-613.95	7.50	5,351.35	5,250.07	101.28	52.838		
2,700.00	2,670.14	18,087.97	7,747.93	11.12	272.02	-175.50	-614.01	2.02	5,257.47	5,155.27	102.20	51.441		
2,800.00	2,768.70	18,093.48	7,748.01	11.57	272.17	-175.33	-614.06	-3.50	5,163.82	5,060.63	103.18	50.044		
2,900.00	2,867.26	18,099.04	7,748.10	12.02	272.32	-175.16	-614.11	-9.05	5,070.40	4,966.17	104.22	48.649		
3,000.00	2,965.82	18,104.33	7,748.18	12.47	272.46	-174.99	-614.16	-14.34	4,977.23	4,871.90	105.32	47.256		
3,100.00	3,064.38	18,109.69	7,748.26	12.92	272.60	-174.83	-614.21	-19.71	4,884.32	4,777.83	106.49	45.866		
3,200.00	3,162.95	18,115.06	7,748.34	13.37	272.74	-174.66	-614.26	-25.07	4,791.70	4,683.97	107.73	44.479		
3,300.00	3,261.51	18,120.42	7,748.42	13.82	272.89	-174.49	-614.30	-30.44	4,699.37	4,590.32	109.04	43.096		
3,400.00	3,360.07	18,125.79	7,748.51	14.27	273.03	-174.32	-614.35	-35.80	4,607.35	4,496.91	110.44	41.719		
3,500.00	3,458.63	18,131.15	7,748.59	14.72	273.17	-174.16	-614.40	-41.16	4,515.67	4,403.75	111.92	40.349		
3,600.00	3,557.19	18,136.52	7,748.67	15.17	273.32	-173.99	-614.45	-46.53	4,424.34	4,310.86	113.48	38.986		
3,700.00	3,655.75	18,141.88	7,748.75	15.62	273.46	-173.82	-614.50	-51.89	4,333.39	4,218.24	115.15	37.633		
3,800.00	3,754.32	18,139.00	7,748.71	16.07	273.38	-173.91	-614.47	-49.01	4,242.84	4,126.00	116.84	36.313		
3,900.00	3,852.88	18,139.00	7,748.71	16.52	273.38	-173.91	-614.47	-49.01	4,152.73	4,034.06	118.67	34.994		
4,000.00	3,951.44	18,139.00	7,748.71	16.97	273.38	-173.91	-614.47	-49.01	4,063.08	3,942.47	120.61	33.688		
4,100.00	4,050.00	18,139.00	7,748.71	17.42	273.38	-173.91	-614.47	-49.01	3,973.93	3,851.26	122.67	32.395		
4,200.00	4,148.56	18,139.00	7,748.71	17.87	273.38	-173.91	-614.47	-49.01	3,885.30	3,760.44	124.86	31.116		
4,300.00	4,247.12	18,139.00	7,748.71	18.32	273.38	-173.91	-614.47	-49.01	3,797.24	3,670.05	127.19	29.854		
4,400.00	4,345.68	18,139.00	7,748.71	18.77	273.38	-173.91	-614.47	-49.01	3,709.79	3,580.12	129.67	28.609		
4,500.00	4,444.25	18,139.00	7,748.71	19.22	273.38	-173.91	-614.47	-49.01	3,622.98	3,490.68	132.30	27.385		
4,600.00	4,542.81	18,139.00	7,748.71	19.67	273.38	-173.91	-614.47	-49.01	3,536.87	3,401.78	135.09	26.181		
4,700.00	4,641.37	18,139.00	7,748.71	20.12	273.38	-173.91	-614.47	-49.01	3,451.51	3,313.45	138.06	25.000		
4,800.00	4,739.93	18,139.00	7,748.71	20.57	273.38	-173.91	-614.47	-49.01	3,366.95	3,225.75	141.21	23.844		
4,900.00	4,838.49	18,139.00	7,748.71	21.02	273.38	-173.91	-614.47	-49.01	3,283.27	3,138.72	144.55	22.714		
5,000.00	4,937.05	18,139.00	7,748.71	21.47	273.38	-173.91	-614.47	-49.01	3,200.52	3,052.42	148.09	21.612		
5,100.00	5,035.61	18,139.00	7,748.71	21.92	273.38	-173.91	-614.47	-49.01	3,118.78	2,966.93	151.85	20.539		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 3CH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,134.18	18,139.00	7,748.71	22.38	273.38	-173.91	-614.47	-49.01	3,038.13	2,882.31	155.83	19.497	
5,300.00	5,232.74	18,139.00	7,748.71	22.83	273.38	-173.91	-614.47	-49.01	2,958.67	2,798.63	160.03	18.488	
5,400.00	5,331.30	18,139.00	7,748.71	23.28	273.38	-173.91	-614.47	-49.01	2,880.48	2,716.00	164.48	17.512	
5,500.00	5,429.86	18,139.00	7,748.71	23.73	273.38	-173.91	-614.47	-49.01	2,803.68	2,634.50	169.18	16.572	
5,600.00	5,528.42	18,139.00	7,748.71	24.18	273.38	-173.91	-614.47	-49.01	2,728.39	2,554.26	174.13	15.668	
5,700.00	5,626.98	18,139.00	7,748.71	24.63	273.38	-173.91	-614.47	-49.01	2,654.73	2,475.38	179.34	14.802	
5,800.00	5,725.54	18,139.00	7,748.71	25.08	273.38	-173.91	-614.47	-49.01	2,582.83	2,398.02	184.82	13.975	
5,900.00	5,824.11	18,139.00	7,748.71	25.53	273.38	-173.91	-614.47	-49.01	2,512.87	2,322.32	190.55	13.187	
6,000.00	5,922.67	18,139.00	7,748.71	25.98	273.38	-173.91	-614.47	-49.01	2,444.99	2,248.45	196.54	12.440	
6,100.00	6,021.23	18,139.00	7,748.71	26.43	273.38	-173.91	-614.47	-49.01	2,379.38	2,176.60	202.77	11.734	
6,200.00	6,119.79	18,139.00	7,748.71	26.88	273.38	-173.91	-614.47	-49.01	2,316.23	2,106.98	209.24	11.070	
6,300.00	6,218.35	18,139.00	7,748.71	27.33	273.38	-173.91	-614.47	-49.01	2,255.74	2,039.82	215.92	10.447	
6,400.00	6,316.91	18,139.00	7,748.71	27.78	273.38	-173.91	-614.47	-49.01	2,198.14	1,975.37	222.77	9.867	
6,500.00	6,415.48	18,139.00	7,748.71	28.23	273.38	-173.91	-614.47	-49.01	2,143.66	1,913.90	229.77	9.330	
6,600.00	6,514.04	18,139.00	7,748.71	28.69	273.38	-173.91	-614.47	-49.01	2,092.55	1,855.70	236.85	8.835	
6,700.00	6,612.60	18,139.00	7,748.71	29.14	273.38	-173.91	-614.47	-49.01	2,045.05	1,801.08	243.97	8.382	
6,800.00	6,711.16	18,139.00	7,748.71	29.59	273.38	-173.91	-614.47	-49.01	2,001.42	1,750.38	251.05	7.972	
6,900.00	6,809.72	18,139.00	7,748.71	30.04	273.38	-173.91	-614.47	-49.01	1,961.93	1,703.92	258.01	7.604	
7,000.00	6,908.28	18,139.00	7,748.71	30.49	273.38	-173.91	-614.47	-49.01	1,926.82	1,662.05	264.76	7.278	
7,100.00	7,006.84	18,139.00	7,748.71	30.94	273.38	-173.91	-614.47	-49.01	1,896.34	1,625.12	271.22	6.992	
7,200.00	7,105.41	18,139.00	7,748.71	31.39	273.38	-173.91	-614.47	-49.01	1,870.71	1,593.44	277.27	6.747	
7,300.00	7,203.81	18,139.00	7,748.71	31.85	273.38	-150.84	-614.47	-49.01	1,850.45	1,567.64	282.81	6.543	
7,400.00	7,300.02	18,139.00	7,748.71	32.33	273.38	-128.99	-614.47	-49.01	1,837.75	1,550.21	287.53	6.391	
7,500.00	7,391.09	18,139.00	7,748.71	32.83	273.38	-120.22	-614.47	-49.01	1,833.41	1,542.22	291.19	6.296	
7,500.65	7,391.66	18,139.00	7,748.71	32.83	273.38	-120.18	-614.47	-49.01	1,833.41	1,542.20	291.21	6.296 CC, ES	
7,600.00	7,474.26	18,139.00	7,748.71	33.35	273.38	-115.25	-614.47	-49.01	1,837.64	1,544.03	293.61	6.259 SF	
7,700.00	7,546.99	18,139.00	7,748.71	33.90	273.38	-111.42	-614.47	-49.01	1,850.24	1,555.51	294.72	6.278	
7,800.00	7,607.07	18,139.00	7,748.71	34.51	273.38	-107.78	-614.47	-49.01	1,870.66	1,576.09	294.57	6.351	
7,900.00	7,652.68	18,139.00	7,748.71	35.20	273.38	-103.99	-614.47	-49.01	1,898.05	1,604.80	293.25	6.473	
8,000.00	7,682.43	18,139.00	7,748.71	36.00	273.38	-99.93	-614.47	-49.01	1,931.30	1,640.37	290.93	6.638	
8,100.00	7,695.43	18,139.00	7,748.71	36.92	273.38	-95.62	-614.47	-49.01	1,969.13	1,681.34	287.79	6.842	
8,200.00	7,696.00	18,139.00	7,748.71	37.98	273.38	-94.49	-614.47	-49.01	2,010.62	1,726.54	284.09	7.078	
8,300.00	7,696.00	18,139.00	7,748.71	39.21	273.38	-94.49	-614.47	-49.01	2,056.11	1,775.98	280.13	7.340	
8,400.00	7,696.00	18,139.00	7,748.71	40.59	273.38	-94.49	-614.47	-49.01	2,105.36	1,829.37	275.99	7.629	
8,500.00	7,696.00	18,139.00	7,748.71	42.11	273.38	-94.49	-614.47	-49.01	2,158.13	1,886.42	271.71	7.943	
8,600.00	7,696.00	18,139.00	7,748.71	43.76	273.38	-94.49	-614.47	-49.01	2,214.15	1,946.81	267.34	8.282	
8,700.00	7,696.00	18,139.00	7,748.71	45.51	273.38	-94.49	-614.47	-49.01	2,273.20	2,010.27	262.93	8.646	
8,800.00	7,696.00	18,139.00	7,748.71	47.37	273.38	-94.49	-614.47	-49.01	2,335.04	2,076.52	258.52	9.032	
8,900.00	7,696.00	18,139.00	7,748.71	49.31	273.38	-94.49	-614.47	-49.01	2,399.45	2,145.32	254.13	9.442	
9,000.00	7,696.00	18,139.00	7,748.71	51.33	273.38	-94.49	-614.47	-49.01	2,466.24	2,216.45	249.79	9.873	
9,100.00	7,696.00	18,139.00	7,748.71	53.41	273.38	-94.49	-614.47	-49.01	2,535.21	2,289.69	245.52	10.326	
9,200.00	7,696.00	18,139.00	7,748.71	55.54	273.38	-94.49	-614.47	-49.01	2,606.20	2,364.85	241.35	10.799	
9,300.00	7,696.00	18,139.00	7,748.71	57.73	273.38	-94.49	-614.47	-49.01	2,679.03	2,441.76	237.27	11.291	
9,400.00	7,696.00	18,139.00	7,748.71	59.96	273.38	-94.49	-614.47	-49.01	2,753.58	2,520.27	233.30	11.803	
9,500.00	7,696.00	18,139.00	7,748.71	62.23	273.38	-94.49	-614.47	-49.01	2,829.69	2,600.24	229.46	12.332	
9,600.00	7,696.00	18,139.00	7,748.71	64.54	273.38	-94.49	-614.47	-49.01	2,907.25	2,681.52	225.73	12.879	
9,700.00	7,696.00	18,139.00	7,748.71	66.87	273.38	-94.49	-614.47	-49.01	2,986.15	2,764.02	222.13	13.443	
9,800.00	7,696.00	18,139.00	7,748.71	69.23	273.38	-94.49	-614.47	-49.01	3,066.28	2,847.63	218.65	14.024	
9,900.00	7,696.00	18,139.00	7,748.71	71.62	273.38	-94.49	-614.47	-49.01	3,147.54	2,932.24	215.30	14.620	
10,000.00	7,696.00	18,139.00	7,748.71	74.03	273.38	-94.49	-614.47	-49.01	3,229.86	3,017.79	212.07	15.230	
10,100.00	7,696.00	18,139.00	7,748.71	76.46	273.38	-94.49	-614.47	-49.01	3,313.15	3,104.19	208.96	15.856	
10,200.00	7,696.00	18,139.00	7,748.71	78.91	273.38	-94.49	-614.47	-49.01	3,397.34	3,191.37	205.97	16.495	

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 3CH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	18,139.00	7,748.71	81.37	273.38	-94.49	-614.47	-49.01	3,482.37	3,279.28	203.09	17.147		
10,400.00	7,696.00	18,139.00	7,748.71	83.85	273.38	-94.49	-614.47	-49.01	3,568.17	3,367.85	200.32	17.812		
10,500.00	7,696.00	18,139.00	7,748.71	86.34	273.38	-94.49	-614.47	-49.01	3,654.70	3,457.03	197.67	18.489		
10,600.00	7,696.00	18,139.00	7,748.71	88.84	273.38	-94.49	-614.47	-49.01	3,741.89	3,546.78	195.11	19.178		
10,700.00	7,696.00	18,139.00	7,748.71	91.36	273.38	-94.49	-614.47	-49.01	3,829.72	3,637.06	192.66	19.878		
10,800.00	7,696.00	18,139.00	7,748.71	93.88	273.38	-94.49	-614.47	-49.01	3,918.12	3,727.83	190.30	20.590		
10,900.00	7,696.00	18,139.00	7,748.71	96.42	273.38	-94.49	-614.47	-49.01	4,007.08	3,819.05	188.03	21.311		
11,000.00	7,696.00	18,139.00	7,748.71	98.96	273.38	-94.49	-614.47	-49.01	4,096.54	3,910.69	185.85	22.042		
11,100.00	7,696.00	18,139.00	7,748.71	101.51	273.38	-94.49	-614.47	-49.01	4,186.48	4,002.72	183.75	22.783		
11,200.00	7,696.00	18,139.00	7,748.71	104.07	273.38	-94.49	-614.47	-49.01	4,276.86	4,095.12	181.74	23.533		
11,300.00	7,696.00	18,139.00	7,748.71	106.64	273.38	-94.49	-614.47	-49.01	4,367.67	4,187.87	179.80	24.292		
11,400.00	7,696.00	18,139.00	7,748.71	109.21	273.38	-94.49	-614.47	-49.01	4,458.87	4,280.93	177.94	25.059		
11,500.00	7,696.00	18,139.00	7,748.71	111.79	273.38	-94.49	-614.47	-49.01	4,550.43	4,374.29	176.14	25.834		
11,600.00	7,696.00	18,139.00	7,748.71	114.37	273.38	-94.49	-614.47	-49.01	4,642.35	4,467.93	174.42	26.616		
11,700.00	7,696.00	18,139.00	7,748.71	116.96	273.38	-94.49	-614.47	-49.01	4,734.59	4,561.84	172.76	27.406		
11,800.00	7,696.00	18,139.00	7,748.71	119.56	273.38	-94.49	-614.47	-49.01	4,827.15	4,655.99	171.16	28.203		
11,900.00	7,696.00	18,139.00	7,748.71	122.16	273.38	-94.49	-614.47	-49.01	4,919.99	4,750.38	169.61	29.007		
12,000.00	7,696.00	18,139.00	7,748.71	124.76	273.38	-94.49	-614.47	-49.01	5,013.11	4,844.98	168.13	29.817		
12,100.00	7,696.00	18,139.00	7,748.71	127.37	273.38	-94.49	-614.47	-49.01	5,106.49	4,939.79	166.70	30.634		
12,200.00	7,696.00	18,139.00	7,748.71	129.98	273.38	-94.49	-614.47	-49.01	5,200.12	5,034.80	165.32	31.456		
12,300.00	7,696.00	18,139.00	7,748.71	132.59	273.38	-94.49	-614.47	-49.01	5,293.98	5,129.99	163.98	32.283		
12,400.00	7,696.00	18,139.00	7,748.71	135.21	273.38	-94.49	-614.47	-49.01	5,388.06	5,225.36	162.70	33.117		
12,500.00	7,696.00	18,139.00	7,748.71	137.83	273.38	-94.49	-614.47	-49.01	5,482.34	5,320.89	161.46	33.955		
12,600.00	7,696.00	18,139.00	7,748.71	140.45	273.38	-94.49	-614.47	-49.01	5,576.83	5,416.57	160.26	34.798		
12,700.00	7,696.00	18,139.00	7,748.71	143.08	273.38	-94.49	-614.47	-49.01	5,671.51	5,512.40	159.11	35.646		
12,800.00	7,696.00	18,139.00	7,748.71	145.71	273.38	-94.49	-614.47	-49.01	5,766.37	5,608.38	157.99	36.498		
12,900.00	7,696.00	18,139.00	7,748.71	148.34	273.38	-94.49	-614.47	-49.01	5,861.40	5,704.48	156.91	37.355		
13,000.00	7,696.00	18,139.00	7,748.71	150.97	273.38	-94.49	-614.47	-49.01	5,956.59	5,800.72	155.87	38.215		
13,100.00	7,696.00	18,139.00	7,748.71	153.61	273.38	-94.49	-614.47	-49.01	6,051.93	5,897.07	154.86	39.080		
13,200.00	7,696.00	18,139.00	7,748.71	156.24	273.38	-94.49	-614.47	-49.01	6,147.43	5,993.54	153.89	39.948		
13,300.00	7,696.00	18,139.00	7,748.71	158.88	273.38	-94.49	-614.47	-49.01	6,243.06	6,090.12	152.94	40.819		
13,400.00	7,696.00	18,139.00	7,748.71	161.53	273.38	-94.49	-614.47	-49.01	6,338.83	6,186.80	152.03	41.694		
13,500.00	7,696.00	18,139.00	7,748.71	164.17	273.38	-94.49	-614.47	-49.01	6,434.73	6,283.58	151.15	42.572		
13,600.00	7,696.00	18,139.00	7,748.71	166.81	273.38	-94.49	-614.47	-49.01	6,530.75	6,380.46	150.30	43.453		
13,700.00	7,696.00	18,139.00	7,748.71	169.46	273.38	-94.49	-614.47	-49.01	6,626.89	6,477.42	149.47	44.337		
13,800.00	7,696.00	18,139.00	7,748.71	172.11	273.38	-94.49	-614.47	-49.01	6,723.14	6,574.48	148.67	45.223		
13,900.00	7,696.00	18,139.00	7,748.71	174.76	273.38	-94.49	-614.47	-49.01	6,819.50	6,671.61	147.89	46.112		
14,000.00	7,696.00	18,139.00	7,748.71	177.41	273.38	-94.49	-614.47	-49.01	6,915.97	6,768.83	147.14	47.003		
14,100.00	7,696.00	18,139.00	7,748.71	180.06	273.38	-94.49	-614.47	-49.01	7,012.53	6,866.12	146.41	47.897		
14,200.00	7,696.00	18,139.00	7,748.71	182.72	273.38	-94.49	-614.47	-49.01	7,109.19	6,963.48	145.70	48.792		
14,300.00	7,696.00	18,139.00	7,748.71	185.37	273.38	-94.49	-614.47	-49.01	7,205.93	7,060.92	145.02	49.690		
14,400.00	7,696.00	18,139.00	7,748.71	188.03	273.38	-94.49	-614.47	-49.01	7,302.77	7,158.42	144.35	50.590		
14,500.00	7,696.00	18,139.00	7,748.71	190.69	273.38	-94.49	-614.47	-49.01	7,399.69	7,255.98	143.71	51.491		
14,600.00	7,696.00	18,139.00	7,748.71	193.34	273.38	-94.49	-614.47	-49.01	7,496.69	7,353.61	143.08	52.394		
14,700.00	7,696.00	18,139.00	7,748.71	196.00	273.38	-94.49	-614.47	-49.01	7,593.77	7,451.29	142.48	53.299		
14,800.00	7,696.00	18,139.00	7,748.71	198.66	273.38	-94.49	-614.47	-49.01	7,690.92	7,549.04	141.89	54.205		
14,900.00	7,696.00	18,139.00	7,748.71	201.33	273.38	-94.49	-614.47	-49.01	7,788.15	7,646.83	141.32	55.112		
15,000.00	7,696.00	18,139.00	7,748.71	203.99	273.38	-94.49	-614.47	-49.01	7,885.44	7,744.68	140.76	56.021		
15,100.00	7,696.00	18,139.00	7,748.71	206.65	273.38	-94.49	-614.47	-49.01	7,982.81	7,842.59	140.22	56.930		
15,200.00	7,696.00	18,139.00	7,748.71	209.32	273.38	-94.49	-614.47	-49.01	8,080.23	7,940.54	139.70	57.841		
15,300.00	7,696.00	18,139.00	7,748.71	211.98	273.38	-94.49	-614.47	-49.01	8,177.72	8,038.53	139.19	58.753		
15,400.00	7,696.00	18,139.00	7,748.71	214.65	273.38	-94.49	-614.47	-49.01	8,275.27	8,136.58	138.69	59.665		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,696.00	18,139.00	7,748.71	217.31	273.38	-94.49	-614.47	-49.01	8,372.88	8,234.66	138.21	60.579		
15,600.00	7,696.00	18,139.00	7,748.71	219.98	273.38	-94.49	-614.47	-49.01	8,470.54	8,332.79	137.75	61.493		
15,700.00	7,696.00	18,139.00	7,748.71	222.65	273.38	-94.49	-614.47	-49.01	8,568.25	8,430.96	137.29	62.408		
15,800.00	7,696.00	18,139.00	7,748.71	225.32	273.38	-94.49	-614.47	-49.01	8,666.02	8,529.17	136.85	63.323		
15,900.00	7,696.00	18,139.00	7,748.71	227.99	273.38	-94.49	-614.47	-49.01	8,763.84	8,627.42	136.43	64.239		
16,000.00	7,696.00	18,139.00	7,748.71	230.66	273.38	-94.49	-614.47	-49.01	8,861.71	8,725.70	136.01	65.155		
16,100.00	7,696.00	18,139.00	7,748.71	233.33	273.38	-94.49	-614.47	-49.01	8,959.62	8,824.02	135.60	66.072		
16,200.00	7,696.00	18,139.00	7,748.71	236.00	273.38	-94.49	-614.47	-49.01	9,057.58	8,922.37	135.21	66.989		
16,300.00	7,696.00	18,139.00	7,748.71	238.67	273.38	-94.49	-614.47	-49.01	9,155.59	9,020.76	134.83	67.906		
16,400.00	7,696.00	18,139.00	7,748.71	241.34	273.38	-94.49	-614.47	-49.01	9,253.63	9,119.18	134.45	68.823		
16,500.00	7,696.00	18,139.00	7,748.71	244.02	273.38	-94.49	-614.47	-49.01	9,351.72	9,217.63	134.09	69.741		
16,600.00	7,696.00	18,139.00	7,748.71	246.69	273.38	-94.49	-614.47	-49.01	9,449.85	9,316.11	133.74	70.659		
16,700.00	7,696.00	18,139.00	7,748.71	249.36	273.38	-94.49	-614.47	-49.01	9,548.02	9,414.62	133.40	71.576		
16,800.00	7,696.00	18,139.00	7,748.71	252.04	273.38	-94.49	-614.47	-49.01	9,646.22	9,513.16	133.06	72.494		
16,900.00	7,696.00	18,139.00	7,748.71	254.71	273.38	-94.49	-614.47	-49.01	9,744.46	9,611.73	132.74	73.411		
17,000.00	7,696.00	18,139.00	7,748.71	257.39	273.38	-94.49	-614.47	-49.01	9,842.74	9,710.32	132.42	74.328		
17,100.00	7,696.00	18,139.00	7,748.71	260.07	273.38	-94.49	-614.47	-49.01	9,941.05	9,808.94	132.12	75.245		

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	18,273.52	7,824.30	0.00	268.58	173.08	-1,195.97	145.15	8,004.77					
100.00	100.00	18,274.77	7,824.32	0.13	268.61	173.14	-1,195.99	143.90	7,905.93	7,808.79	97.14	81.391		
200.00	200.00	18,276.02	7,824.33	0.49	268.64	173.20	-1,196.02	142.65	7,807.11	7,709.79	97.32	80.225		
300.00	300.00	18,277.28	7,824.35	0.85	268.67	173.26	-1,196.05	141.40	7,708.32	7,610.81	97.51	79.053		
400.00	399.98	18,278.85	7,824.38	1.21	268.72	-174.24	-1,196.08	139.82	7,609.86	7,512.13	97.73	77.866		
500.00	499.84	18,281.05	7,824.41	1.57	268.78	-175.03	-1,196.13	137.62	7,512.12	7,414.11	98.00	76.651		
600.00	599.45	18,283.89	7,824.46	1.94	268.85	-175.58	-1,196.19	134.79	7,415.24	7,316.90	98.34	75.403		
700.00	698.70	18,287.36	7,824.51	2.32	268.94	-175.98	-1,196.26	131.32	7,319.38	7,220.64	98.75	74.122		
800.00	797.47	18,291.45	7,824.57	2.72	269.05	-176.23	-1,196.35	127.23	7,224.70	7,125.47	99.22	72.814		
900.00	896.03	18,295.80	7,824.64	3.14	269.17	-176.13	-1,196.44	122.88	7,130.58	7,030.80	99.78	71.464		
1,000.00	994.59	18,300.16	7,824.71	3.57	269.28	-176.03	-1,196.53	118.52	7,036.62	6,936.25	100.37	70.106		
1,100.00	1,093.16	18,304.54	7,824.78	4.00	269.40	-175.93	-1,196.62	114.15	6,942.83	6,841.83	101.00	68.741		
1,200.00	1,191.72	18,308.94	7,824.85	4.44	269.52	-175.82	-1,196.72	109.75	6,849.21	6,747.55	101.67	67.370		
1,300.00	1,290.28	18,313.36	7,824.92	4.88	269.64	-175.72	-1,196.81	105.33	6,755.78	6,653.40	102.37	65.993		
1,400.00	1,388.84	18,317.80	7,824.99	5.32	269.75	-175.62	-1,196.90	100.89	6,662.52	6,559.41	103.12	64.612		
1,500.00	1,487.40	18,322.26	7,825.07	5.76	269.87	-175.51	-1,197.00	96.43	6,569.47	6,465.57	103.90	63.228		
1,600.00	1,585.96	18,326.74	7,825.14	6.20	269.99	-175.41	-1,197.09	91.96	6,476.61	6,371.89	104.73	61.842		
1,700.00	1,684.52	18,331.23	7,825.22	6.65	270.11	-175.30	-1,197.19	87.46	6,383.97	6,278.37	105.60	60.455		
1,800.00	1,783.09	18,335.75	7,825.29	7.09	270.23	-175.20	-1,197.29	82.94	6,291.55	6,185.04	106.51	59.068		
1,900.00	1,881.65	18,341.24	7,825.38	7.54	270.38	-175.07	-1,197.40	77.46	6,199.36	6,091.88	107.48	57.677		
2,000.00	1,980.21	18,349.04	7,825.51	7.99	270.59	-174.88	-1,197.57	69.66	6,107.42	5,998.89	108.52	56.277		
2,100.00	2,078.77	18,356.73	7,825.64	8.43	270.79	-174.70	-1,197.73	61.97	6,015.72	5,906.10	109.61	54.881		
2,200.00	2,177.33	18,364.32	7,825.76	8.88	270.99	-174.52	-1,197.89	54.39	5,924.28	5,813.52	110.76	53.490		
2,300.00	2,275.89	18,371.79	7,825.87	9.33	271.19	-174.35	-1,198.05	46.91	5,833.12	5,721.17	111.95	52.104		
2,400.00	2,374.45	18,379.16	7,825.99	9.78	271.39	-174.18	-1,198.20	39.55	5,742.24	5,629.04	113.20	50.726		
2,500.00	2,473.02	18,386.43	7,826.09	10.23	271.58	-174.00	-1,198.35	32.28	5,651.67	5,537.16	114.51	49.354		
2,600.00	2,571.58	18,393.60	7,826.19	10.67	271.77	-173.84	-1,198.50	25.12	5,561.41	5,445.53	115.88	47.991		
2,700.00	2,670.14	18,400.67	7,826.29	11.12	271.96	-173.67	-1,198.65	18.05	5,471.49	5,354.17	117.32	46.637		
2,800.00	2,768.70	18,407.64	7,826.39	11.57	272.15	-173.50	-1,198.79	11.08	5,381.91	5,263.09	118.82	45.293		
2,900.00	2,867.26	18,414.52	7,826.48	12.02	272.33	-173.34	-1,198.94	4.20	5,292.70	5,172.30	120.40	43.960		
3,000.00	2,965.82	18,421.30	7,826.57	12.47	272.51	-173.18	-1,199.08	-2.58	5,203.88	5,081.83	122.05	42.638		
3,100.00	3,064.38	18,427.99	7,826.65	12.92	272.69	-173.02	-1,199.21	-9.27	5,115.46	4,991.69	123.77	41.329		
3,200.00	3,162.95	18,432.61	7,826.71	13.37	272.81	-172.91	-1,199.31	-13.89	5,027.48	4,901.92	125.56	40.040		
3,300.00	3,261.51	18,437.50	7,826.77	13.82	272.94	-172.80	-1,199.41	-18.77	4,939.94	4,812.51	127.43	38.764		
3,400.00	3,360.07	18,442.38	7,826.83	14.27	273.07	-172.68	-1,199.51	-23.65	4,852.88	4,723.48	129.40	37.503		
3,500.00	3,458.63	18,447.26	7,826.89	14.72	273.20	-172.57	-1,199.61	-28.53	4,766.33	4,634.87	131.45	36.258		
3,600.00	3,557.19	18,452.15	7,826.95	15.17	273.33	-172.45	-1,199.71	-33.41	4,680.30	4,546.69	133.61	35.030		
3,700.00	3,655.75	18,457.03	7,827.01	15.62	273.46	-172.34	-1,199.81	-38.29	4,594.84	4,458.97	135.86	33.820		
3,800.00	3,754.32	18,461.91	7,827.07	16.07	273.59	-172.22	-1,199.91	-43.18	4,509.96	4,371.74	138.22	32.628		
3,900.00	3,852.88	18,466.79	7,827.13	16.52	273.72	-172.10	-1,200.01	-48.06	4,425.72	4,285.02	140.69	31.456		
4,000.00	3,951.44	18,471.68	7,827.19	16.97	273.85	-171.99	-1,200.11	-52.94	4,342.14	4,198.86	143.28	30.305		
4,100.00	4,050.00	18,469.00	7,827.16	17.42	273.78	-172.05	-1,200.05	-50.26	4,259.26	4,113.36	145.90	29.193		
4,200.00	4,148.56	18,469.00	7,827.16	17.87	273.78	-172.05	-1,200.05	-50.26	4,177.14	4,028.47	148.67	28.097		
4,300.00	4,247.12	18,469.00	7,827.16	18.32	273.78	-172.05	-1,200.05	-50.26	4,095.81	3,944.24	151.57	27.023		
4,400.00	4,345.68	18,469.00	7,827.16	18.77	273.78	-172.05	-1,200.05	-50.26	4,015.32	3,860.73	154.59	25.973		
4,500.00	4,444.25	18,469.00	7,827.16	19.22	273.78	-172.05	-1,200.05	-50.26	3,935.73	3,777.97	157.76	24.948		
4,600.00	4,542.81	18,469.00	7,827.16	19.67	273.78	-172.05	-1,200.05	-50.26	3,857.09	3,696.03	161.06	23.948		
4,700.00	4,641.37	18,469.00	7,827.16	20.12	273.78	-172.05	-1,200.05	-50.26	3,779.46	3,614.95	164.50	22.975		
4,800.00	4,739.93	18,469.00	7,827.16	20.57	273.78	-172.05	-1,200.05	-50.26	3,702.90	3,534.81	168.09	22.029		
4,900.00	4,838.49	18,469.00	7,827.16	21.02	273.78	-172.05	-1,200.05	-50.26	3,627.48	3,455.65	171.83	21.111		
5,000.00	4,937.05	18,469.00	7,827.16	21.47	273.78	-172.05	-1,200.05	-50.26	3,553.28	3,377.56	175.72	20.221		
5,100.00	5,035.61	18,469.00	7,827.16	21.92	273.78	-172.05	-1,200.05	-50.26	3,480.37	3,300.60	179.76	19.361		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	18,469.00	7,827.16	22.38	273.78	-172.05	-1,200.05	-50.26	3,408.83	3,224.87	183.96	18.530		
5,300.00	5,232.74	18,469.00	7,827.16	22.83	273.78	-172.05	-1,200.05	-50.26	3,338.76	3,150.44	188.31	17.730		
5,400.00	5,331.30	18,469.00	7,827.16	23.28	273.78	-172.05	-1,200.05	-50.26	3,270.24	3,077.43	192.81	16.961		
5,500.00	5,429.86	18,469.00	7,827.16	23.73	273.78	-172.05	-1,200.05	-50.26	3,203.38	3,005.92	197.46	16.223		
5,600.00	5,528.42	18,469.00	7,827.16	24.18	273.78	-172.05	-1,200.05	-50.26	3,138.28	2,936.02	202.25	15.517		
5,700.00	5,626.98	18,469.00	7,827.16	24.63	273.78	-172.05	-1,200.05	-50.26	3,075.05	2,867.87	207.18	14.842		
5,800.00	5,725.54	18,469.00	7,827.16	25.08	273.78	-172.05	-1,200.05	-50.26	3,013.82	2,801.58	212.23	14.200		
5,900.00	5,824.11	18,469.00	7,827.16	25.53	273.78	-172.05	-1,200.05	-50.26	2,954.70	2,737.30	217.41	13.591		
6,000.00	5,922.67	18,469.00	7,827.16	25.98	273.78	-172.05	-1,200.05	-50.26	2,897.83	2,675.16	222.68	13.014		
6,100.00	6,021.23	18,469.00	7,827.16	26.43	273.78	-172.05	-1,200.05	-50.26	2,843.34	2,615.31	228.03	12.469		
6,200.00	6,119.79	18,469.00	7,827.16	26.88	273.78	-172.05	-1,200.05	-50.26	2,791.37	2,557.93	233.45	11.957		
6,300.00	6,218.35	18,469.00	7,827.16	27.33	273.78	-172.05	-1,200.05	-50.26	2,742.07	2,503.17	238.90	11.478		
6,400.00	6,316.91	18,469.00	7,827.16	27.78	273.78	-172.05	-1,200.05	-50.26	2,695.57	2,451.21	244.36	11.031		
6,500.00	6,415.48	18,469.00	7,827.16	28.23	273.78	-172.05	-1,200.05	-50.26	2,652.03	2,402.23	249.80	10.616		
6,600.00	6,514.04	18,469.00	7,827.16	28.69	273.78	-172.05	-1,200.05	-50.26	2,611.59	2,356.40	255.19	10.234		
6,700.00	6,612.60	18,469.00	7,827.16	29.14	273.78	-172.05	-1,200.05	-50.26	2,574.41	2,313.93	260.48	9.883		
6,800.00	6,711.16	18,469.00	7,827.16	29.59	273.78	-172.05	-1,200.05	-50.26	2,540.62	2,274.98	265.64	9.564		
6,900.00	6,809.72	18,469.00	7,827.16	30.04	273.78	-172.05	-1,200.05	-50.26	2,510.36	2,239.74	270.62	9.276		
7,000.00	6,908.28	18,469.00	7,827.16	30.49	273.78	-172.05	-1,200.05	-50.26	2,483.76	2,208.38	275.38	9.019		
7,100.00	7,006.84	18,469.00	7,827.16	30.94	273.78	-172.05	-1,200.05	-50.26	2,460.94	2,181.05	279.89	8.793		
7,200.00	7,105.41	18,469.00	7,827.16	31.39	273.78	-172.05	-1,200.05	-50.26	2,442.01	2,157.92	284.09	8.596		
7,300.00	7,203.81	18,469.00	7,827.16	31.85	273.78	-148.71	-1,200.05	-50.26	2,427.29	2,139.34	287.95	8.430		
7,400.00	7,300.02	18,469.00	7,827.16	32.33	273.78	-126.49	-1,200.05	-50.26	2,418.38	2,127.03	291.34	8.301		
7,489.65	7,381.99	18,469.00	7,827.16	32.78	273.78	-118.20	-1,200.05	-50.26	2,415.78	2,121.89	293.89	8.220 CC		
7,500.00	7,391.09	18,469.00	7,827.16	32.83	273.78	-117.54	-1,200.05	-50.26	2,415.82	2,121.67	294.14	8.213 ES		
7,600.00	7,474.26	18,469.00	7,827.16	33.35	273.78	-112.60	-1,200.05	-50.26	2,419.71	2,123.45	296.26	8.168		
7,700.00	7,546.99	18,469.00	7,827.16	33.90	273.78	-109.00	-1,200.05	-50.26	2,429.90	2,132.26	297.63	8.164 SF		
7,800.00	7,607.07	18,469.00	7,827.16	34.51	273.78	-105.82	-1,200.05	-50.26	2,446.00	2,147.73	298.28	8.200		
7,900.00	7,652.68	18,469.00	7,827.16	35.20	273.78	-102.67	-1,200.05	-50.26	2,467.43	2,169.21	298.22	8.274		
8,000.00	7,682.43	18,469.00	7,827.16	36.00	273.78	-99.44	-1,200.05	-50.26	2,493.38	2,195.86	297.53	8.380		
8,100.00	7,695.43	18,469.00	7,827.16	36.92	273.78	-96.13	-1,200.05	-50.26	2,522.97	2,226.70	296.27	8.516		
8,200.00	7,696.00	18,469.00	7,827.16	37.98	273.78	-95.27	-1,200.05	-50.26	2,555.56	2,260.98	294.58	8.675		
8,300.00	7,696.00	18,469.00	7,827.16	39.21	273.78	-95.27	-1,200.05	-50.26	2,591.56	2,298.88	292.69	8.854		
8,400.00	7,696.00	18,469.00	7,827.16	40.59	273.78	-95.27	-1,200.05	-50.26	2,630.88	2,340.26	290.62	9.053		
8,500.00	7,696.00	18,469.00	7,827.16	42.11	273.78	-95.27	-1,200.05	-50.26	2,673.36	2,384.97	288.39	9.270		
8,600.00	7,696.00	18,469.00	7,827.16	43.76	273.78	-95.27	-1,200.05	-50.26	2,718.86	2,432.84	286.01	9.506		
8,700.00	7,696.00	18,469.00	7,827.16	45.51	273.78	-95.27	-1,200.05	-50.26	2,767.22	2,483.70	283.52	9.760		
8,800.00	7,696.00	18,469.00	7,827.16	47.37	273.78	-95.27	-1,200.05	-50.26	2,818.30	2,537.39	280.92	10.032		
8,900.00	7,696.00	18,469.00	7,827.16	49.31	273.78	-95.27	-1,200.05	-50.26	2,871.96	2,593.73	278.23	10.322		
9,000.00	7,696.00	18,469.00	7,827.16	51.33	273.78	-95.27	-1,200.05	-50.26	2,928.05	2,652.57	275.49	10.629		
9,100.00	7,696.00	18,469.00	7,827.16	53.41	273.78	-95.27	-1,200.05	-50.26	2,986.44	2,713.75	272.69	10.952		
9,200.00	7,696.00	18,469.00	7,827.16	55.54	273.78	-95.27	-1,200.05	-50.26	3,046.99	2,777.13	269.86	11.291		
9,300.00	7,696.00	18,469.00	7,827.16	57.73	273.78	-95.27	-1,200.05	-50.26	3,109.58	2,842.57	267.01	11.646		
9,400.00	7,696.00	18,469.00	7,827.16	59.96	273.78	-95.27	-1,200.05	-50.26	3,174.08	2,909.93	264.15	12.016		
9,500.00	7,696.00	18,469.00	7,827.16	62.23	273.78	-95.27	-1,200.05	-50.26	3,240.39	2,979.08	261.31	12.401		
9,600.00	7,696.00	18,469.00	7,827.16	64.54	273.78	-95.27	-1,200.05	-50.26	3,308.39	3,049.92	258.47	12.800		
9,700.00	7,696.00	18,469.00	7,827.16	66.87	273.78	-95.27	-1,200.05	-50.26	3,377.98	3,122.32	255.67	13.212		
9,800.00	7,696.00	18,469.00	7,827.16	69.23	273.78	-95.27	-1,200.05	-50.26	3,449.07	3,196.18	252.89	13.639		
9,900.00	7,696.00	18,469.00	7,827.16	71.62	273.78	-95.27	-1,200.05	-50.26	3,521.57	3,271.41	250.16	14.077		
10,000.00	7,696.00	18,469.00	7,827.16	74.03	273.78	-95.27	-1,200.05	-50.26	3,595.38	3,347.92	247.46	14.529		
10,100.00	7,696.00	18,469.00	7,827.16	76.46	273.78	-95.27	-1,200.05	-50.26	3,670.43	3,425.61	244.82	14.992		
10,200.00	7,696.00	18,469.00	7,827.16	78.91	273.78	-95.27	-1,200.05	-50.26	3,746.65	3,504.42	242.23	15.467		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4AH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	18,469.00	7,827.16	81.37	273.78	-95.27	-1,200.05	-50.26	3,823.97	3,584.28	239.69	15.954		
10,400.00	7,696.00	18,469.00	7,827.16	83.85	273.78	-95.27	-1,200.05	-50.26	3,902.32	3,665.11	237.21	16.451		
10,500.00	7,696.00	18,469.00	7,827.16	86.34	273.78	-95.27	-1,200.05	-50.26	3,981.63	3,746.85	234.79	16.959		
10,600.00	7,696.00	18,469.00	7,827.16	88.84	273.78	-95.27	-1,200.05	-50.26	4,061.86	3,829.44	232.42	17.476		
10,700.00	7,696.00	18,469.00	7,827.16	91.36	273.78	-95.27	-1,200.05	-50.26	4,142.95	3,912.84	230.12	18.004		
10,800.00	7,696.00	18,469.00	7,827.16	93.88	273.78	-95.27	-1,200.05	-50.26	4,224.85	3,996.98	227.87	18.541		
10,900.00	7,696.00	18,469.00	7,827.16	96.42	273.78	-95.27	-1,200.05	-50.26	4,307.52	4,081.83	225.68	19.087		
11,000.00	7,696.00	18,469.00	7,827.16	98.96	273.78	-95.27	-1,200.05	-50.26	4,390.90	4,167.35	223.55	19.641		
11,100.00	7,696.00	18,469.00	7,827.16	101.51	273.78	-95.27	-1,200.05	-50.26	4,474.97	4,253.49	221.48	20.205		
11,200.00	7,696.00	18,469.00	7,827.16	104.07	273.78	-95.27	-1,200.05	-50.26	4,559.68	4,340.21	219.47	20.776		
11,300.00	7,696.00	18,469.00	7,827.16	106.64	273.78	-95.27	-1,200.05	-50.26	4,645.00	4,427.49	217.51	21.355		
11,400.00	7,696.00	18,469.00	7,827.16	109.21	273.78	-95.27	-1,200.05	-50.26	4,730.89	4,515.28	215.61	21.942		
11,500.00	7,696.00	18,469.00	7,827.16	111.79	273.78	-95.27	-1,200.05	-50.26	4,817.33	4,603.57	213.76	22.536		
11,600.00	7,696.00	18,469.00	7,827.16	114.37	273.78	-95.27	-1,200.05	-50.26	4,904.28	4,692.31	211.97	23.137		
11,700.00	7,696.00	18,469.00	7,827.16	116.96	273.78	-95.27	-1,200.05	-50.26	4,991.72	4,781.50	210.22	23.745		
11,800.00	7,696.00	18,469.00	7,827.16	119.56	273.78	-95.27	-1,200.05	-50.26	5,079.63	4,871.10	208.53	24.359		
11,900.00	7,696.00	18,469.00	7,827.16	122.16	273.78	-95.27	-1,200.05	-50.26	5,167.97	4,961.09	206.89	24.980		
12,000.00	7,696.00	18,469.00	7,827.16	124.76	273.78	-95.27	-1,200.05	-50.26	5,256.74	5,051.45	205.29	25.606		
12,100.00	7,696.00	18,469.00	7,827.16	127.37	273.78	-95.27	-1,200.05	-50.26	5,345.90	5,142.16	203.74	26.239		
12,200.00	7,696.00	18,469.00	7,827.16	129.98	273.78	-95.27	-1,200.05	-50.26	5,435.43	5,233.20	202.23	26.877		
12,300.00	7,696.00	18,469.00	7,827.16	132.59	273.78	-95.27	-1,200.05	-50.26	5,525.33	5,324.56	200.77	27.521		
12,400.00	7,696.00	18,469.00	7,827.16	135.21	273.78	-95.27	-1,200.05	-50.26	5,615.57	5,416.22	199.35	28.170		
12,500.00	7,696.00	18,469.00	7,827.16	137.83	273.78	-95.27	-1,200.05	-50.26	5,706.13	5,508.16	197.97	28.823		
12,600.00	7,696.00	18,469.00	7,827.16	140.45	273.78	-95.27	-1,200.05	-50.26	5,797.00	5,600.37	196.63	29.482		
12,700.00	7,696.00	18,469.00	7,827.16	143.08	273.78	-95.27	-1,200.05	-50.26	5,888.17	5,692.85	195.33	30.145		
12,800.00	7,696.00	18,469.00	7,827.16	145.71	273.78	-95.27	-1,200.05	-50.26	5,979.62	5,785.56	194.06	30.813		
12,900.00	7,696.00	18,469.00	7,827.16	148.34	273.78	-95.27	-1,200.05	-50.26	6,071.35	5,878.51	192.83	31.485		
13,000.00	7,696.00	18,469.00	7,827.16	150.97	273.78	-95.27	-1,200.05	-50.26	6,163.32	5,971.69	191.64	32.161		
13,100.00	7,696.00	18,469.00	7,827.16	153.61	273.78	-95.27	-1,200.05	-50.26	6,255.55	6,065.07	190.48	32.841		
13,200.00	7,696.00	18,469.00	7,827.16	156.24	273.78	-95.27	-1,200.05	-50.26	6,348.01	6,158.66	189.35	33.525		
13,300.00	7,696.00	18,469.00	7,827.16	158.88	273.78	-95.27	-1,200.05	-50.26	6,440.69	6,252.44	188.25	34.213		
13,400.00	7,696.00	18,469.00	7,827.16	161.53	273.78	-95.27	-1,200.05	-50.26	6,533.60	6,346.41	187.19	34.904		
13,500.00	7,696.00	18,469.00	7,827.16	164.17	273.78	-95.27	-1,200.05	-50.26	6,626.70	6,440.55	186.15	35.599		
13,600.00	7,696.00	18,469.00	7,827.16	166.81	273.78	-95.27	-1,200.05	-50.26	6,720.01	6,534.87	185.14	36.297		
13,700.00	7,696.00	18,469.00	7,827.16	169.46	273.78	-95.27	-1,200.05	-50.26	6,813.50	6,629.35	184.16	36.998		
13,800.00	7,696.00	18,469.00	7,827.16	172.11	273.78	-95.27	-1,200.05	-50.26	6,907.18	6,723.98	183.20	37.702		
13,900.00	7,696.00	18,469.00	7,827.16	174.76	273.78	-95.27	-1,200.05	-50.26	7,001.04	6,818.76	182.28	38.409		
14,000.00	7,696.00	18,469.00	7,827.16	177.41	273.78	-95.27	-1,200.05	-50.26	7,095.06	6,913.68	181.37	39.119		
14,100.00	7,696.00	18,469.00	7,827.16	180.06	273.78	-95.27	-1,200.05	-50.26	7,189.24	7,008.75	180.49	39.831		
14,200.00	7,696.00	18,469.00	7,827.16	182.72	273.78	-95.27	-1,200.05	-50.26	7,283.58	7,103.94	179.64	40.546		
14,300.00	7,696.00	18,469.00	7,827.16	185.37	273.78	-95.27	-1,200.05	-50.26	7,378.06	7,199.26	178.80	41.263		
14,400.00	7,696.00	18,469.00	7,827.16	188.03	273.78	-95.27	-1,200.05	-50.26	7,472.69	7,294.70	177.99	41.983		
14,500.00	7,696.00	18,469.00	7,827.16	190.69	273.78	-95.27	-1,200.05	-50.26	7,567.46	7,390.26	177.20	42.705		
14,600.00	7,696.00	18,469.00	7,827.16	193.34	273.78	-95.27	-1,200.05	-50.26	7,662.36	7,485.93	176.43	43.429		
14,700.00	7,696.00	18,469.00	7,827.16	196.00	273.78	-95.27	-1,200.05	-50.26	7,757.39	7,581.71	175.68	44.155		
14,800.00	7,696.00	18,469.00	7,827.16	198.66	273.78	-95.27	-1,200.05	-50.26	7,852.54	7,677.59	174.95	44.883		
14,900.00	7,696.00	18,469.00	7,827.16	201.33	273.78	-95.27	-1,200.05	-50.26	7,947.82	7,773.57	174.24	45.613		
15,000.00	7,696.00	18,469.00	7,827.16	203.99	273.78	-95.27	-1,200.05	-50.26	8,043.20	7,869.65	173.55	46.345		
15,100.00	7,696.00	18,469.00	7,827.16	206.65	273.78	-95.27	-1,200.05	-50.26	8,138.70	7,965.82	172.87	47.079		
15,200.00	7,696.00	18,469.00	7,827.16	209.32	273.78	-95.27	-1,200.05	-50.26	8,234.30	8,062.09	172.22	47.814		
15,300.00	7,696.00	18,469.00	7,827.16	211.98	273.78	-95.27	-1,200.05	-50.26	8,330.01	8,158.44	171.57	48.551		
15,400.00	7,696.00	18,469.00	7,827.16	214.65	273.78	-95.27	-1,200.05	-50.26	8,425.82	8,254.87	170.95	49.289		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												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)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,696.00	18,469.00	7,827.16	217.31	273.78	-95.27	-1,200.05	-50.26	8,521.72	8,351.38	170.34	50.028	
15,600.00	7,696.00	18,469.00	7,827.16	219.98	273.78	-95.27	-1,200.05	-50.26	8,617.72	8,447.97	169.74	50.769	
15,700.00	7,696.00	18,469.00	7,827.16	222.65	273.78	-95.27	-1,200.05	-50.26	8,713.80	8,544.64	169.16	51.512	
15,800.00	7,696.00	18,469.00	7,827.16	225.32	273.78	-95.27	-1,200.05	-50.26	8,809.98	8,641.38	168.60	52.255	
15,900.00	7,696.00	18,469.00	7,827.16	227.99	273.78	-95.27	-1,200.05	-50.26	8,906.24	8,738.19	168.04	52.999	
16,000.00	7,696.00	18,469.00	7,827.16	230.66	273.78	-95.27	-1,200.05	-50.26	9,002.58	8,835.07	167.51	53.745	
16,100.00	7,696.00	18,469.00	7,827.16	233.33	273.78	-95.27	-1,200.05	-50.26	9,098.99	8,932.01	166.98	54.492	
16,200.00	7,696.00	18,469.00	7,827.16	236.00	273.78	-95.27	-1,200.05	-50.26	9,195.49	9,029.02	166.47	55.239	
16,300.00	7,696.00	18,469.00	7,827.16	238.67	273.78	-95.27	-1,200.05	-50.26	9,292.06	9,126.09	165.97	55.988	
16,400.00	7,696.00	18,469.00	7,827.16	241.34	273.78	-95.27	-1,200.05	-50.26	9,388.70	9,223.22	165.48	56.737	
16,500.00	7,696.00	18,469.00	7,827.16	244.02	273.78	-95.27	-1,200.05	-50.26	9,485.41	9,320.41	165.00	57.487	
16,600.00	7,696.00	18,469.00	7,827.16	246.69	273.78	-95.27	-1,200.05	-50.26	9,582.19	9,417.65	164.53	58.238	
16,700.00	7,696.00	18,469.00	7,827.16	249.36	273.78	-95.27	-1,200.05	-50.26	9,679.03	9,514.95	164.08	58.990	
16,800.00	7,696.00	18,469.00	7,827.16	252.04	273.78	-95.27	-1,200.05	-50.26	9,775.94	9,612.30	163.64	59.742	
16,900.00	7,696.00	18,469.00	7,827.16	254.71	273.78	-95.27	-1,200.05	-50.26	9,872.91	9,709.71	163.20	60.495	
17,000.00	7,696.00	18,469.00	7,827.16	257.39	273.78	-95.27	-1,200.05	-50.26	9,969.94	9,807.16	162.78	61.249	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	18,559.16	7,747.72	0.00	271.80	177.84	-1,757.19	66.28	8,031.58					
100.00	100.00	18,560.14	7,747.74	0.13	271.83	177.87	-1,757.15	65.30	7,934.04	7,826.23	107.82	73.589		
200.00	200.00	18,561.14	7,747.76	0.49	271.85	177.90	-1,757.12	64.30	7,836.56	7,728.41	108.15	72.458		
300.00	300.00	18,562.14	7,747.77	0.85	271.88	177.94	-1,757.08	63.30	7,739.14	7,630.63	108.51	71.322		
400.00	399.98	18,563.44	7,747.80	1.21	271.91	-169.83	-1,757.04	62.01	7,642.20	7,533.30	108.91	70.171		
500.00	499.84	18,565.31	7,747.83	1.57	271.96	-170.92	-1,756.97	60.13	7,546.26	7,436.89	109.38	68.994		
600.00	599.45	18,567.77	7,747.87	1.94	272.03	-171.76	-1,756.88	57.68	7,451.47	7,341.54	109.93	67.785		
700.00	698.70	18,570.80	7,747.92	2.32	272.11	-172.42	-1,756.78	54.65	7,358.00	7,247.42	110.57	66.545		
800.00	797.47	18,574.41	7,747.98	2.72	272.21	-172.87	-1,756.65	51.04	7,265.99	7,154.68	111.30	65.281		
900.00	896.03	18,578.25	7,748.05	3.14	272.31	-172.80	-1,756.52	47.20	7,174.71	7,062.57	112.14	63.981		
1,000.00	994.59	18,582.11	7,748.12	3.57	272.41	-172.72	-1,756.39	43.35	7,083.67	6,970.65	113.02	62.677		
1,100.00	1,093.16	18,585.98	7,748.19	4.00	272.51	-172.65	-1,756.27	39.48	6,992.86	6,878.92	113.94	61.371		
1,200.00	1,191.72	18,589.87	7,748.26	4.44	272.62	-172.57	-1,756.14	35.59	6,902.31	6,787.39	114.92	60.064		
1,300.00	1,290.28	18,593.78	7,748.33	4.88	272.72	-172.50	-1,756.01	31.68	6,812.02	6,696.08	115.94	58.756		
1,400.00	1,388.84	18,607.00	7,748.58	5.32	273.07	-172.24	-1,755.60	18.47	6,722.01	6,604.92	117.08	57.412		
1,500.00	1,487.40	18,607.00	7,748.58	5.76	273.07	-172.24	-1,755.60	18.47	6,632.26	6,514.09	118.17	56.126		
1,600.00	1,585.96	18,607.00	7,748.58	6.20	273.07	-172.24	-1,755.60	18.47	6,542.81	6,423.51	119.30	54.843		
1,700.00	1,684.52	18,612.82	7,748.70	6.65	273.23	-172.13	-1,755.43	12.65	6,453.67	6,333.14	120.53	53.542		
1,800.00	1,783.09	18,621.67	7,748.86	7.09	273.46	-171.96	-1,755.16	3.82	6,364.84	6,243.00	121.85	52.236		
1,900.00	1,881.65	18,630.41	7,749.03	7.54	273.69	-171.79	-1,754.89	-4.92	6,276.34	6,153.13	123.21	50.938		
2,000.00	1,980.21	18,639.06	7,749.18	7.99	273.92	-171.63	-1,754.63	-13.57	6,188.19	6,063.55	124.64	49.650		
2,100.00	2,078.77	18,644.52	7,749.28	8.43	274.07	-171.52	-1,754.46	-19.02	6,100.39	5,974.30	126.09	48.381		
2,200.00	2,177.33	18,650.81	7,749.40	8.88	274.24	-171.40	-1,754.27	-25.30	6,012.96	5,885.35	127.61	47.120		
2,300.00	2,275.89	18,657.09	7,749.51	9.33	274.40	-171.28	-1,754.08	-31.58	5,925.93	5,796.74	129.19	45.869		
2,400.00	2,374.45	18,663.38	7,749.62	9.78	274.57	-171.16	-1,753.89	-37.87	5,839.30	5,708.47	130.84	44.630		
2,500.00	2,473.02	18,669.66	7,749.74	10.23	274.74	-171.03	-1,753.70	-44.15	5,753.11	5,620.56	132.55	43.404		
2,600.00	2,571.58	18,675.95	7,749.85	10.67	274.91	-170.91	-1,753.51	-50.43	5,667.35	5,533.03	134.33	42.190		
2,700.00	2,670.14	18,678.00	7,749.89	11.12	274.96	-170.87	-1,753.44	-52.48	5,582.07	5,445.93	136.14	41.002		
2,800.00	2,768.70	18,678.00	7,749.89	11.57	274.96	-170.87	-1,753.44	-52.48	5,497.28	5,359.28	138.01	39.834		
2,900.00	2,867.26	18,678.00	7,749.89	12.02	274.96	-170.87	-1,753.44	-52.48	5,413.02	5,273.07	139.95	38.679		
3,000.00	2,965.82	18,678.00	7,749.89	12.47	274.96	-170.87	-1,753.44	-52.48	5,329.29	5,187.33	141.96	37.540		
3,100.00	3,064.38	18,678.00	7,749.89	12.92	274.96	-170.87	-1,753.44	-52.48	5,246.14	5,102.08	144.06	36.417		
3,200.00	3,162.95	18,678.00	7,749.89	13.37	274.96	-170.87	-1,753.44	-52.48	5,163.58	5,017.35	146.24	35.310		
3,300.00	3,261.51	18,678.00	7,749.89	13.82	274.96	-170.87	-1,753.44	-52.48	5,081.65	4,933.15	148.50	34.220		
3,400.00	3,360.07	18,678.00	7,749.89	14.27	274.96	-170.87	-1,753.44	-52.48	5,000.38	4,849.53	150.85	33.149		
3,500.00	3,458.63	18,678.00	7,749.89	14.72	274.96	-170.87	-1,753.44	-52.48	4,919.80	4,766.51	153.28	32.096		
3,600.00	3,557.19	18,678.00	7,749.89	15.17	274.96	-170.87	-1,753.44	-52.48	4,839.94	4,684.13	155.81	31.062		
3,700.00	3,655.75	18,678.00	7,749.89	15.62	274.96	-170.87	-1,753.44	-52.48	4,760.84	4,602.41	158.44	30.049		
3,800.00	3,754.32	18,678.00	7,749.89	16.07	274.96	-170.87	-1,753.44	-52.48	4,682.55	4,521.39	161.15	29.056		
3,900.00	3,852.88	18,678.00	7,749.89	16.52	274.96	-170.87	-1,753.44	-52.48	4,605.09	4,441.12	163.97	28.085		
4,000.00	3,951.44	18,678.00	7,749.89	16.97	274.96	-170.87	-1,753.44	-52.48	4,528.52	4,361.63	166.89	27.135		
4,100.00	4,050.00	18,678.00	7,749.89	17.42	274.96	-170.87	-1,753.44	-52.48	4,452.87	4,282.96	169.91	26.208		
4,200.00	4,148.56	18,678.00	7,749.89	17.87	274.96	-170.87	-1,753.44	-52.48	4,378.21	4,205.18	173.03	25.303		
4,300.00	4,247.12	18,678.00	7,749.89	18.32	274.96	-170.87	-1,753.44	-52.48	4,304.57	4,128.31	176.26	24.422		
4,400.00	4,345.68	18,678.00	7,749.89	18.77	274.96	-170.87	-1,753.44	-52.48	4,232.01	4,052.42	179.59	23.565		
4,500.00	4,444.25	18,678.00	7,749.89	19.22	274.96	-170.87	-1,753.44	-52.48	4,160.59	3,977.57	183.03	22.732		
4,600.00	4,542.81	18,678.00	7,749.89	19.67	274.96	-170.87	-1,753.44	-52.48	4,090.37	3,903.80	186.57	21.924		
4,700.00	4,641.37	18,678.00	7,749.89	20.12	274.96	-170.87	-1,753.44	-52.48	4,021.41	3,831.19	190.22	21.141		
4,800.00	4,739.93	18,678.00	7,749.89	20.57	274.96	-170.87	-1,753.44	-52.48	3,953.78	3,759.81	193.97	20.384		
4,900.00	4,838.49	18,678.00	7,749.89	21.02	274.96	-170.87	-1,753.44	-52.48	3,887.54	3,689.72	197.82	19.652		
5,000.00	4,937.05	18,678.00	7,749.89	21.47	274.96	-170.87	-1,753.44	-52.48	3,822.77	3,621.00	201.77	18.946		
5,100.00	5,035.61	18,678.00	7,749.89	21.92	274.96	-170.87	-1,753.44	-52.48	3,759.55	3,553.73	205.81	18.267		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,134.18	18,678.00	7,749.89	22.38	274.96	-170.87	-1,753.44	-52.48	3,697.94	3,488.00	209.95	17.614		
5,300.00	5,232.74	18,678.00	7,749.89	22.83	274.96	-170.87	-1,753.44	-52.48	3,638.05	3,423.88	214.16	16.987		
5,400.00	5,331.30	18,678.00	7,749.89	23.28	274.96	-170.87	-1,753.44	-52.48	3,579.95	3,361.49	218.46	16.387		
5,500.00	5,429.86	18,678.00	7,749.89	23.73	274.96	-170.87	-1,753.44	-52.48	3,523.72	3,300.90	222.82	15.814		
5,600.00	5,528.42	18,678.00	7,749.89	24.18	274.96	-170.87	-1,753.44	-52.48	3,469.47	3,242.23	227.24	15.268		
5,700.00	5,626.98	18,678.00	7,749.89	24.63	274.96	-170.87	-1,753.44	-52.48	3,417.29	3,185.58	231.70	14.748		
5,800.00	5,725.54	18,678.00	7,749.89	25.08	274.96	-170.87	-1,753.44	-52.48	3,367.26	3,131.06	236.20	14.256		
5,900.00	5,824.11	18,678.00	7,749.89	25.53	274.96	-170.87	-1,753.44	-52.48	3,319.50	3,078.78	240.72	13.790		
6,000.00	5,922.67	18,678.00	7,749.89	25.98	274.96	-170.87	-1,753.44	-52.48	3,274.09	3,028.86	245.24	13.351		
6,100.00	6,021.23	18,678.00	7,749.89	26.43	274.96	-170.87	-1,753.44	-52.48	3,231.14	2,981.41	249.74	12.938		
6,200.00	6,119.79	18,678.00	7,749.89	26.88	274.96	-170.87	-1,753.44	-52.48	3,190.75	2,936.55	254.20	12.552		
6,300.00	6,218.35	18,678.00	7,749.89	27.33	274.96	-170.87	-1,753.44	-52.48	3,153.02	2,894.40	258.61	12.192		
6,400.00	6,316.91	18,678.00	7,749.89	27.78	274.96	-170.87	-1,753.44	-52.48	3,118.03	2,855.09	262.95	11.858		
6,500.00	6,415.48	18,678.00	7,749.89	28.23	274.96	-170.87	-1,753.44	-52.48	3,085.89	2,818.71	267.18	11.550		
6,600.00	6,514.04	18,678.00	7,749.89	28.69	274.96	-170.87	-1,753.44	-52.48	3,056.69	2,785.40	271.29	11.267		
6,700.00	6,612.60	18,678.00	7,749.89	29.14	274.96	-170.87	-1,753.44	-52.48	3,030.51	2,755.26	275.25	11.010		
6,800.00	6,711.16	18,678.00	7,749.89	29.59	274.96	-170.87	-1,753.44	-52.48	3,007.42	2,728.38	279.04	10.778		
6,900.00	6,809.72	18,678.00	7,749.89	30.04	274.96	-170.87	-1,753.44	-52.48	2,987.50	2,704.87	282.63	10.570		
7,000.00	6,908.28	18,678.00	7,749.89	30.49	274.96	-170.87	-1,753.44	-52.48	2,970.82	2,684.81	286.01	10.387		
7,100.00	7,006.84	18,678.00	7,749.89	30.94	274.96	-170.87	-1,753.44	-52.48	2,957.43	2,668.27	289.16	10.228		
7,200.00	7,105.41	18,678.00	7,749.89	31.39	274.96	-170.87	-1,753.44	-52.48	2,947.37	2,655.33	292.05	10.092		
7,300.00	7,203.81	18,678.00	7,749.89	31.85	274.96	-147.12	-1,753.44	-52.48	2,940.87	2,646.21	294.67	9.980		
7,386.09	7,286.88	18,678.00	7,749.89	32.26	274.96	-126.20	-1,753.44	-52.48	2,939.04	2,642.35	296.68	9.906 CC		
7,400.00	7,300.02	18,678.00	7,749.89	32.33	274.96	-124.19	-1,753.44	-52.48	2,939.09	2,642.10	296.98	9.896 ES		
7,500.00	7,391.09	18,678.00	7,749.89	32.83	274.96	-114.67	-1,753.44	-52.48	2,942.24	2,643.32	298.93	9.843		
7,600.00	7,474.26	18,678.00	7,749.89	33.35	274.96	-109.32	-1,753.44	-52.48	2,950.24	2,649.79	300.45	9.819 SF		
7,700.00	7,546.99	18,678.00	7,749.89	33.90	274.96	-105.48	-1,753.44	-52.48	2,962.78	2,661.25	301.53	9.826		
7,800.00	7,607.07	18,678.00	7,749.89	34.51	274.96	-102.23	-1,753.44	-52.48	2,979.45	2,677.25	302.20	9.859		
7,900.00	7,652.68	18,678.00	7,749.89	35.20	274.96	-99.21	-1,753.44	-52.48	2,999.66	2,697.20	302.46	9.917		
8,000.00	7,682.43	18,678.00	7,749.89	36.00	274.96	-96.30	-1,753.44	-52.48	3,022.74	2,720.37	302.37	9.997		
8,100.00	7,695.43	18,678.00	7,749.89	36.92	274.96	-93.48	-1,753.44	-52.48	3,047.93	2,745.98	301.95	10.094		
8,200.00	7,696.00	18,678.00	7,749.89	37.98	274.96	-92.78	-1,753.44	-52.48	3,075.02	2,773.75	301.27	10.207		
8,300.00	7,696.00	18,678.00	7,749.89	39.21	274.96	-92.78	-1,753.44	-52.48	3,105.03	2,804.57	300.46	10.334		
8,400.00	7,696.00	18,678.00	7,749.89	40.59	274.96	-92.78	-1,753.44	-52.48	3,137.94	2,838.41	299.53	10.476		
8,500.00	7,696.00	18,678.00	7,749.89	42.11	274.96	-92.78	-1,753.44	-52.48	3,173.66	2,875.19	298.47	10.633		
8,600.00	7,696.00	18,678.00	7,749.89	43.76	274.96	-92.78	-1,753.44	-52.48	3,212.10	2,914.81	297.29	10.805		
8,700.00	7,696.00	18,678.00	7,749.89	45.51	274.96	-92.78	-1,753.44	-52.48	3,253.16	2,957.16	296.00	10.990		
8,800.00	7,696.00	18,678.00	7,749.89	47.37	274.96	-92.78	-1,753.44	-52.48	3,296.74	3,002.14	294.60	11.191		
8,900.00	7,696.00	18,678.00	7,749.89	49.31	274.96	-92.78	-1,753.44	-52.48	3,342.75	3,049.65	293.10	11.405		
9,000.00	7,696.00	18,678.00	7,749.89	51.33	274.96	-92.78	-1,753.44	-52.48	3,391.08	3,099.58	291.50	11.633		
9,100.00	7,696.00	18,678.00	7,749.89	53.41	274.96	-92.78	-1,753.44	-52.48	3,441.64	3,151.82	289.83	11.875		
9,200.00	7,696.00	18,678.00	7,749.89	55.54	274.96	-92.78	-1,753.44	-52.48	3,494.33	3,206.26	288.08	12.130		
9,300.00	7,696.00	18,678.00	7,749.89	57.73	274.96	-92.78	-1,753.44	-52.48	3,549.06	3,262.80	286.26	12.398		
9,400.00	7,696.00	18,678.00	7,749.89	59.96	274.96	-92.78	-1,753.44	-52.48	3,605.73	3,321.34	284.39	12.679		
9,500.00	7,696.00	18,678.00	7,749.89	62.23	274.96	-92.78	-1,753.44	-52.48	3,664.25	3,381.77	282.48	12.972		
9,600.00	7,696.00	18,678.00	7,749.89	64.54	274.96	-92.78	-1,753.44	-52.48	3,724.54	3,444.02	280.53	13.277		
9,700.00	7,696.00	18,678.00	7,749.89	66.87	274.96	-92.78	-1,753.44	-52.48	3,786.51	3,507.97	278.55	13.594		
9,800.00	7,696.00	18,678.00	7,749.89	69.23	274.96	-92.78	-1,753.44	-52.48	3,850.08	3,573.54	276.54	13.922		
9,900.00	7,696.00	18,678.00	7,749.89	71.62	274.96	-92.78	-1,753.44	-52.48	3,915.18	3,640.65	274.53	14.261		
10,000.00	7,696.00	18,678.00	7,749.89	74.03	274.96	-92.78	-1,753.44	-52.48	3,981.72	3,709.21	272.51	14.611		
10,100.00	7,696.00	18,678.00	7,749.89	76.46	274.96	-92.78	-1,753.44	-52.48	4,049.63	3,779.15	270.48	14.972		
10,200.00	7,696.00	18,678.00	7,749.89	78.91	274.96	-92.78	-1,753.44	-52.48	4,118.86	3,850.40	268.46	15.343		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG													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)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,696.00	18,678.00	7,749.89	81.37	274.96	-92.78	-1,753.44	-52.48	4,189.33	3,922.88	266.45	15.723		
10,400.00	7,696.00	18,678.00	7,749.89	83.85	274.96	-92.78	-1,753.44	-52.48	4,260.98	3,996.53	264.45	16.113		
10,500.00	7,696.00	18,678.00	7,749.89	86.34	274.96	-92.78	-1,753.44	-52.48	4,333.75	4,071.29	262.46	16.512		
10,600.00	7,696.00	18,678.00	7,749.89	88.84	274.96	-92.78	-1,753.44	-52.48	4,407.59	4,147.09	260.50	16.920		
10,700.00	7,696.00	18,678.00	7,749.89	91.36	274.96	-92.78	-1,753.44	-52.48	4,482.44	4,223.89	258.55	17.337		
10,800.00	7,696.00	18,678.00	7,749.89	93.88	274.96	-92.78	-1,753.44	-52.48	4,558.26	4,301.63	256.64	17.761		
10,900.00	7,696.00	18,678.00	7,749.89	96.42	274.96	-92.78	-1,753.44	-52.48	4,635.00	4,380.25	254.75	18.195		
11,000.00	7,696.00	18,678.00	7,749.89	98.96	274.96	-92.78	-1,753.44	-52.48	4,712.61	4,459.72	252.88	18.635		
11,100.00	7,696.00	18,678.00	7,749.89	101.51	274.96	-92.78	-1,753.44	-52.48	4,791.05	4,540.00	251.05	19.084		
11,200.00	7,696.00	18,678.00	7,749.89	104.07	274.96	-92.78	-1,753.44	-52.48	4,870.28	4,621.03	249.25	19.540		
11,300.00	7,696.00	18,678.00	7,749.89	106.64	274.96	-92.78	-1,753.44	-52.48	4,950.26	4,702.78	247.48	20.003		
11,400.00	7,696.00	18,678.00	7,749.89	109.21	274.96	-92.78	-1,753.44	-52.48	5,030.96	4,785.21	245.74	20.472		
11,500.00	7,696.00	18,678.00	7,749.89	111.79	274.96	-92.78	-1,753.44	-52.48	5,112.34	4,868.30	244.04	20.949		
11,600.00	7,696.00	18,678.00	7,749.89	114.37	274.96	-92.78	-1,753.44	-52.48	5,194.37	4,952.00	242.37	21.432		
11,700.00	7,696.00	18,678.00	7,749.89	116.96	274.96	-92.78	-1,753.44	-52.48	5,277.02	5,036.28	240.73	21.921		
11,800.00	7,696.00	18,678.00	7,749.89	119.56	274.96	-92.78	-1,753.44	-52.48	5,360.26	5,121.13	239.13	22.416		
11,900.00	7,696.00	18,678.00	7,749.89	122.16	274.96	-92.78	-1,753.44	-52.48	5,444.06	5,206.50	237.56	22.916		
12,000.00	7,696.00	18,678.00	7,749.89	124.76	274.96	-92.78	-1,753.44	-52.48	5,528.41	5,292.38	236.03	23.423		
12,100.00	7,696.00	18,678.00	7,749.89	127.37	274.96	-92.78	-1,753.44	-52.48	5,613.27	5,378.74	234.52	23.935		
12,200.00	7,696.00	18,678.00	7,749.89	129.98	274.96	-92.78	-1,753.44	-52.48	5,698.62	5,465.56	233.06	24.452		
12,300.00	7,696.00	18,678.00	7,749.89	132.59	274.96	-92.78	-1,753.44	-52.48	5,784.44	5,552.82	231.62	24.974		
12,400.00	7,696.00	18,678.00	7,749.89	135.21	274.96	-92.78	-1,753.44	-52.48	5,870.70	5,640.49	230.21	25.501		
12,500.00	7,696.00	18,678.00	7,749.89	137.83	274.96	-92.78	-1,753.44	-52.48	5,957.40	5,728.56	228.84	26.033		
12,600.00	7,696.00	18,678.00	7,749.89	140.45	274.96	-92.78	-1,753.44	-52.48	6,044.51	5,817.01	227.50	26.569		
12,700.00	7,696.00	18,678.00	7,749.89	143.08	274.96	-92.78	-1,753.44	-52.48	6,132.01	5,905.82	226.19	27.110		
12,800.00	7,696.00	18,678.00	7,749.89	145.71	274.96	-92.78	-1,753.44	-52.48	6,219.89	5,994.98	224.91	27.655		
12,900.00	7,696.00	18,678.00	7,749.89	148.34	274.96	-92.78	-1,753.44	-52.48	6,308.13	6,084.47	223.66	28.204		
13,000.00	7,696.00	18,678.00	7,749.89	150.97	274.96	-92.78	-1,753.44	-52.48	6,396.71	6,174.28	222.44	28.758		
13,100.00	7,696.00	18,678.00	7,749.89	153.61	274.96	-92.78	-1,753.44	-52.48	6,485.63	6,264.39	221.24	29.315		
13,200.00	7,696.00	18,678.00	7,749.89	156.24	274.96	-92.78	-1,753.44	-52.48	6,574.86	6,354.79	220.08	29.875		
13,300.00	7,696.00	18,678.00	7,749.89	158.88	274.96	-92.78	-1,753.44	-52.48	6,664.41	6,445.47	218.94	30.440		
13,400.00	7,696.00	18,678.00	7,749.89	161.53	274.96	-92.78	-1,753.44	-52.48	6,754.24	6,536.42	217.82	31.008		
13,500.00	7,696.00	18,678.00	7,749.89	164.17	274.96	-92.78	-1,753.44	-52.48	6,844.36	6,627.62	216.74	31.579		
13,600.00	7,696.00	18,678.00	7,749.89	166.81	274.96	-92.78	-1,753.44	-52.48	6,934.75	6,719.07	215.68	32.153		
13,700.00	7,696.00	18,678.00	7,749.89	169.46	274.96	-92.78	-1,753.44	-52.48	7,025.39	6,810.75	214.64	32.731		
13,800.00	7,696.00	18,678.00	7,749.89	172.11	274.96	-92.78	-1,753.44	-52.48	7,116.29	6,902.66	213.63	33.312		
13,900.00	7,696.00	18,678.00	7,749.89	174.76	274.96	-92.78	-1,753.44	-52.48	7,207.43	6,994.79	212.64	33.895		
14,000.00	7,696.00	18,678.00	7,749.89	177.41	274.96	-92.78	-1,753.44	-52.48	7,298.80	7,087.13	211.67	34.481		
14,100.00	7,696.00	18,678.00	7,749.89	180.06	274.96	-92.78	-1,753.44	-52.48	7,390.40	7,179.67	210.73	35.071		
14,200.00	7,696.00	18,678.00	7,749.89	182.72	274.96	-92.78	-1,753.44	-52.48	7,482.21	7,272.40	209.81	35.662		
14,300.00	7,696.00	18,678.00	7,749.89	185.37	274.96	-92.78	-1,753.44	-52.48	7,574.23	7,365.32	208.91	36.256		
14,400.00	7,696.00	18,678.00	7,749.89	188.03	274.96	-92.78	-1,753.44	-52.48	7,666.45	7,458.42	208.03	36.853		
14,500.00	7,696.00	18,678.00	7,749.89	190.69	274.96	-92.78	-1,753.44	-52.48	7,758.86	7,551.69	207.17	37.452		
14,600.00	7,696.00	18,678.00	7,749.89	193.34	274.96	-92.78	-1,753.44	-52.48	7,851.45	7,645.12	206.33	38.053		
14,700.00	7,696.00	18,678.00	7,749.89	196.00	274.96	-92.78	-1,753.44	-52.48	7,944.23	7,738.72	205.51	38.657		
14,800.00	7,696.00	18,678.00	7,749.89	198.66	274.96	-92.78	-1,753.44	-52.48	8,037.18	7,832.47	204.71	39.262		
14,900.00	7,696.00	18,678.00	7,749.89	201.33	274.96	-92.78	-1,753.44	-52.48	8,130.30	7,926.37	203.92	39.870		
15,000.00	7,696.00	18,678.00	7,749.89	203.99	274.96	-92.78	-1,753.44	-52.48	8,223.57	8,020.42	203.16	40.479		
15,100.00	7,696.00	18,678.00	7,749.89	206.65	274.96	-92.78	-1,753.44	-52.48	8,317.01	8,114.60	202.41	41.091		
15,200.00	7,696.00	18,678.00	7,749.89	209.32	274.96	-92.78	-1,753.44	-52.48	8,410.59	8,208.92	201.67	41.704		
15,300.00	7,696.00	18,678.00	7,749.89	211.98	274.96	-92.78	-1,753.44	-52.48	8,504.33	8,303.37	200.96	42.319		
15,400.00	7,696.00	18,678.00	7,749.89	214.65	274.96	-92.78	-1,753.44	-52.48	8,598.20	8,397.94	200.26	42.935		

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

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

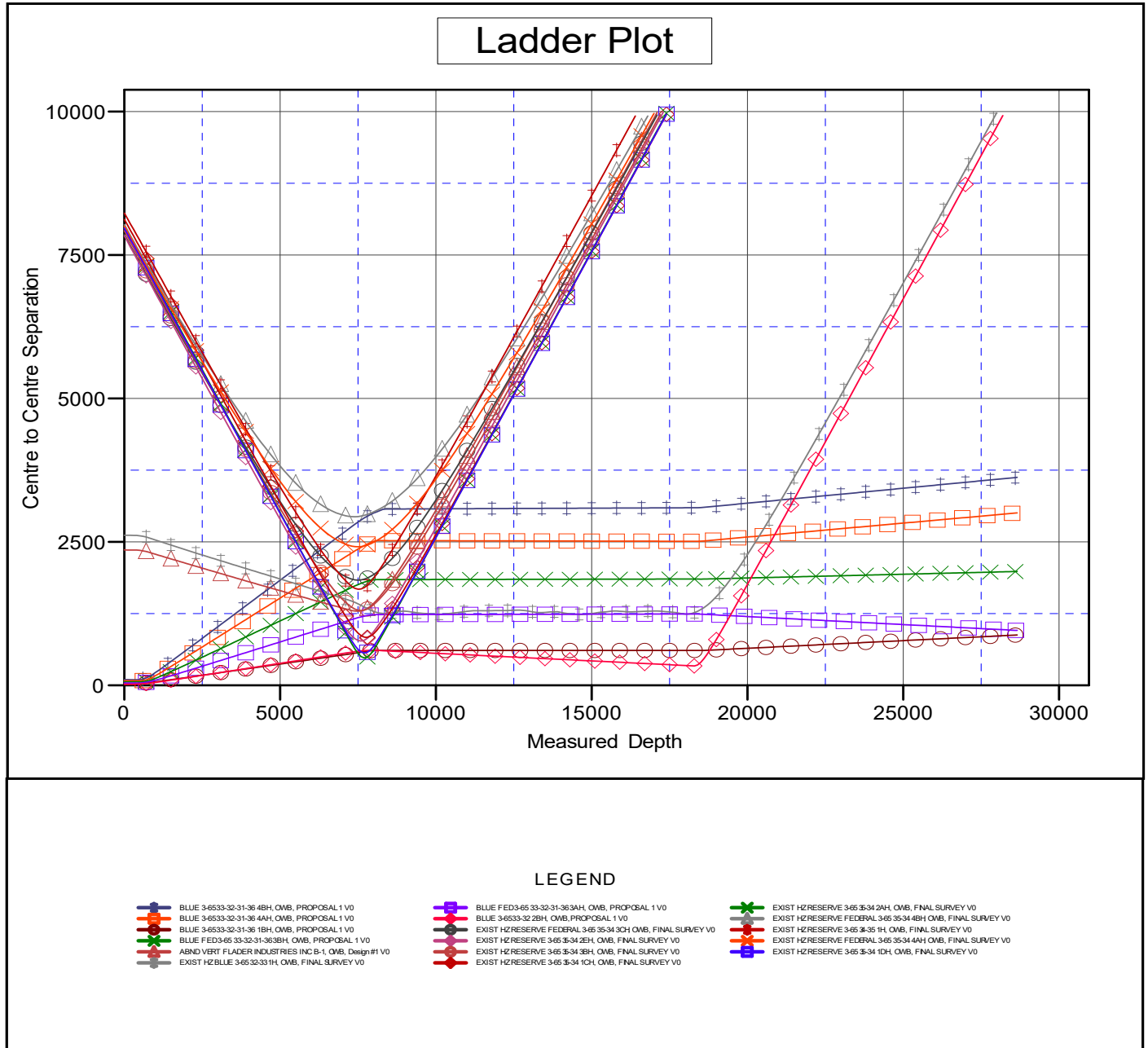
Offset Design SEC 35-T3S-R65W - EXIST HZ RESERVE FEDERAL 3-65 35-34 4BH - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 29-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured 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)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,696.00	18,678.00	7,749.89	217.31	274.96	-92.78	-1,753.44	-52.48	8,692.21	8,492.63	199.57	43.554	
15,600.00	7,696.00	18,678.00	7,749.89	219.98	274.96	-92.78	-1,753.44	-52.48	8,786.35	8,587.44	198.91	44.173	
15,700.00	7,696.00	18,678.00	7,749.89	222.65	274.96	-92.78	-1,753.44	-52.48	8,880.62	8,682.37	198.25	44.795	
15,800.00	7,696.00	18,678.00	7,749.89	225.32	274.96	-92.78	-1,753.44	-52.48	8,975.01	8,777.40	197.61	45.417	
15,900.00	7,696.00	18,678.00	7,749.89	227.99	274.96	-92.78	-1,753.44	-52.48	9,069.53	8,872.54	196.99	46.041	
16,000.00	7,696.00	18,678.00	7,749.89	230.66	274.96	-92.78	-1,753.44	-52.48	9,164.16	8,967.78	196.37	46.667	
16,100.00	7,696.00	18,678.00	7,749.89	233.33	274.96	-92.78	-1,753.44	-52.48	9,258.90	9,063.13	195.78	47.294	
16,200.00	7,696.00	18,678.00	7,749.89	236.00	274.96	-92.78	-1,753.44	-52.48	9,353.75	9,158.56	195.19	47.921	
16,300.00	7,696.00	18,678.00	7,749.89	238.67	274.96	-92.78	-1,753.44	-52.48	9,448.71	9,254.10	194.62	48.550	
16,400.00	7,696.00	18,678.00	7,749.89	241.34	274.96	-92.78	-1,753.44	-52.48	9,543.77	9,349.72	194.06	49.181	
16,500.00	7,696.00	18,678.00	7,749.89	244.02	274.96	-92.78	-1,753.44	-52.48	9,638.94	9,445.43	193.51	49.812	
16,600.00	7,696.00	18,678.00	7,749.89	246.69	274.96	-92.78	-1,753.44	-52.48	9,734.20	9,541.22	192.97	50.444	
16,700.00	7,696.00	18,678.00	7,749.89	249.36	274.96	-92.78	-1,753.44	-52.48	9,829.55	9,637.10	192.45	51.077	
16,800.00	7,696.00	18,678.00	7,749.89	252.04	274.96	-92.78	-1,753.44	-52.48	9,924.99	9,733.06	191.93	51.711	

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
Reference Site:	SEC 34-T3S-R65W	MD Reference:	KB 25' @ 5619.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5619.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: BLUE 3-65 33-32-31-36 2AH
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.54°



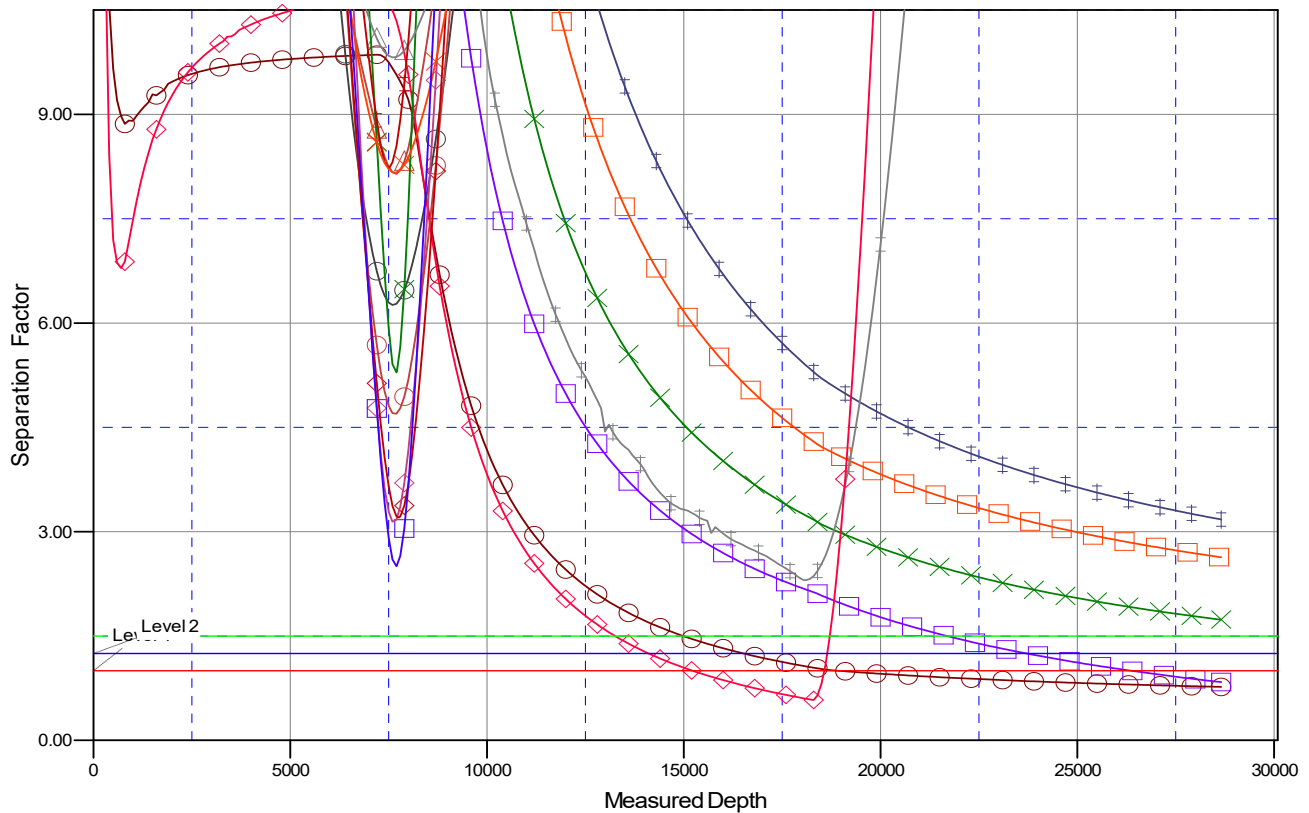
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well BLUE 3-65 33-32-31-36 2AH
Project:	ADAMS COUNTY	TVD Reference:	KB 25' @ 5619.00usft
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Site Error:	0.00 usft	North Reference:	True
Reference Well:	BLUE 3-65 33-32-31-36 2AH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT_32Bit_ODBC
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB 25' @ 5619.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: BLUE 3-65 33-32-31-36 2AH
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.54°

Separation Factor Plot



LEGEND

BLUE 3-6533-32-31-36 4BH, OMB, PROPOSAL 1 V0	BLUE FED3-65 33-32-31-36 3AH, OMB, PROPOSAL 1 V0	EXIST H2 RESERVE 3-65 3-34 2AH, OMB, FINAL SURVEY V0
BLUE 3-6533-32-31-36 4AH, OMB, PROPOSAL 1 V0	BLUE 3-6533-32 2BH, OMB, PROPOSAL 1 V0	EXIST H2 RESERVE FEDERAL 3-65 35-34 4BH, OMB, FINAL SURVEY V0
BLUE 3-6533-32-31-36 1BH, OMB, PROPOSAL 1 V0	EXIST H2 RESERVE FEDERAL 3-65 35-34 3CH, OMB, FINAL SURVEY V0	EXIST H2 RESERVE 3-65 3-35 1H, OMB, FINAL SURVEY V0
BLUE FED3-65 33-32-31-36 3BH, OMB, PROPOSAL 1 V0	EXIST H2 RESERVE 3-65 3-34 2EH, OMB, FINAL SURVEY V0	EXIST H2 RESERVE FEDERAL 3-65 35-34 4AH, OMB, FINAL SURVEY V0
ABEND VERT FLADER INDUSTRIES INC B-1, OMB, Design #1 V0	EXIST H2 RESERVE 3-65 3-34 3BH, OMB, FINAL SURVEY V0	EXIST H2 RESERVE 3-65 3-34 1DH, OMB, FINAL SURVEY V0
EXIST H2BLUE 3-65 32-33 1H, OMB, FINAL SURVEY V0	EXIST H2 RESERVE 3-65 3-34 1CH, OMB, FINAL SURVEY V0	