

# **CRESTONE PEAK RESOURCES**

**ARAPAHOE COUNTY**

**SEC 19-T4S-R64W**

**GRIMM MOTOCROSS 4-65 24 2A3AUH**

**OWB**

**PROPOSAL 2**

## **Anticollision Report**

**15 November, 2023**

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Unknown AC limit!	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	11/15/2023		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	16,455.46	PROPOSAL 2 (OWB)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
SEC 19-T4S-R64W						
EXIST HZ LUSSING TRUST 4-64 19-20 3C2H - OWB - F	16,455.46	7,634.00	591.09	507.57	7.077	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 3D1H - OWB - F	16,455.46	7,632.00	630.30	534.18	6.558	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 3D3H - OWB - F	16,455.46	7,634.00	825.06	665.27	5.163	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4C1H - OWB - F	16,455.46	7,581.10	1,120.35	940.13	6.217	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - F	16,455.46	7,349.00	1,721.18	1,534.94	9.242	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4D2H - OWB - F	16,455.46	7,538.00	1,498.84	1,307.97	7.853	CC, ES, SF
EXIST HZ WATKINS 4-64-19-1H - OWB - FINAL SURVE	7,498.80	12,159.00	1,148.63	1,010.09	8.291	CC
EXIST HZ WATKINS 4-64-19-1H - OWB - FINAL SURVE	7,500.00	12,159.00	1,148.63	1,010.08	8.290	ES, SF
GRIMM MOTOCROSS 4-65 24 1B2BUH - OWB - PROP	200.00	200.00	20.03	18.78	15.965	CC
GRIMM MOTOCROSS 4-65 24 1B2BUH - OWB - PROP	12,100.00	13,071.12	122.63	-24.66	0.833	Level 1, ES, SF
GRIMM MOTOCROSS 4-65 24-23 1AH - OWB - PROPO	200.00	200.00	100.19	98.94	79.857	CC, ES
GRIMM MOTOCROSS 4-65 24-23 1AH - OWB - PROPO	11,118.68	10,969.82	1,359.56	1,159.14	6.783	SF
LUSSING TRUST 4-64 19-20 1AH - OWB - PROPOSAL	100.00	100.00	120.23	119.82	298.121	CC, ES
LUSSING TRUST 4-64 19-20 1AH - OWB - PROPOSAL	16,455.46	7,431.40	2,972.90	2,768.80	14.566	SF
LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL	200.00	200.00	80.16	79.04	71.554	CC, ES
LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL	16,455.46	7,579.35	2,116.74	1,914.81	10.482	SF
LUSSING TRUST 4-64 19-20 2AH - OWB - PROPOSAL	200.00	200.00	60.13	59.01	53.673	CC, ES
LUSSING TRUST 4-64 19-20 2AH - OWB - PROPOSAL	7,627.75	7,818.49	205.29	146.36	3.484	SF
LUSSING TRUST 4-64 19-20 2BH - OWB - PROPOSAL	1,281.16	1,285.48	31.67	22.47	3.444	CC
LUSSING TRUST 4-64 19-20 2BH - OWB - PROPOSAL	1,300.00	1,304.23	31.73	22.38	3.394	ES
LUSSING TRUST 4-64 19-20 2BH - OWB - PROPOSAL	1,400.00	1,403.72	33.87	23.77	3.354	SF
SEC 22-T4S-R65W						
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - OWB	11,800.00	7,961.00	6,917.30	6,853.66	108.695	SF
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - OWB	12,483.52	7,961.00	6,535.18	6,479.37	117.110	CC, ES
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1	16,070.25	17,548.00	1,305.31	872.63	3.017	CC, ES
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1	16,100.00	17,548.00	1,305.65	872.69	3.016	SF

<b>Offset Design</b>	SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3C2H - OWB - FINAL SURVEY										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>	54-MWD OWSG										<b>Offset Well Error:</b>	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor
0.00	0.00	25.81	25.81	0.00	0.03	-179.74	-1,956.41	-8.73	1,956.44			

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

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<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3C2H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 54-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	
100.00	100.00	131.48	131.48	0.27	0.33	-179.75	-1,955.73	-8.64	1,955.79	1,955.19	0.60	3,269.114	
200.00	200.00	228.21	228.20	0.63	0.67	-179.76	-1,955.19	-8.20	1,955.23	1,953.93	1.30	1,502.356	
300.00	299.98	331.54	331.53	0.98	1.04	-55.84	-1,954.64	-7.64	1,953.72	1,951.70	2.02	967.606	
400.69	400.52	431.44	431.43	1.33	1.40	-56.04	-1,954.03	-7.25	1,950.14	1,947.41	2.73	714.294	
500.00	499.59	533.79	533.77	1.69	1.77	-56.23	-1,953.30	-6.86	1,945.55	1,942.09	3.45	563.214	
600.00	599.35	634.85	634.83	2.06	2.13	-56.42	-1,952.50	-6.41	1,940.87	1,936.69	4.18	464.340	
700.00	699.10	738.13	738.11	2.43	2.50	-56.61	-1,951.50	-5.81	1,936.04	1,931.12	4.92	393.801	
800.00	798.86	839.38	839.35	2.80	2.86	-56.81	-1,950.41	-5.14	1,931.11	1,925.47	5.65	341.955	
900.00	898.61	941.52	941.48	3.18	3.23	-57.01	-1,949.21	-4.41	1,926.12	1,919.74	6.38	301.775	
1,000.00	998.37	1,042.15	1,042.10	3.55	3.59	-57.21	-1,947.91	-3.63	1,921.03	1,913.92	7.11	270.053	
1,100.00	1,098.12	1,141.97	1,141.91	3.93	3.95	-57.41	-1,946.60	-2.84	1,915.95	1,908.11	7.84	244.311	
1,200.00	1,197.88	1,243.06	1,242.99	4.31	4.31	-57.61	-1,945.24	-2.10	1,910.86	1,902.29	8.58	222.816	
1,300.00	1,297.63	1,342.65	1,342.56	4.68	4.67	-57.81	-1,943.87	-1.51	1,905.75	1,896.45	9.30	204.819	
1,400.00	1,397.38	1,444.77	1,444.67	5.06	5.04	-58.01	-1,942.39	-1.03	1,900.59	1,890.55	10.04	189.261	
1,500.00	1,497.14	1,544.23	1,544.12	5.44	5.39	-58.20	-1,940.91	-0.58	1,895.42	1,884.65	10.77	175.979	
1,600.00	1,596.89	1,644.50	1,644.37	5.82	5.75	-58.40	-1,939.36	-0.09	1,890.20	1,878.70	11.50	164.329	
1,700.00	1,696.65	1,743.43	1,743.29	6.19	6.11	-58.60	-1,937.91	0.59	1,885.11	1,872.88	12.23	154.136	
1,800.00	1,796.40	1,846.57	1,846.41	6.57	6.48	-58.81	-1,936.24	1.44	1,879.87	1,866.90	12.97	144.909	
1,900.00	1,896.16	1,944.65	1,944.48	6.95	6.83	-59.02	-1,934.60	2.07	1,874.61	1,860.91	13.70	136.853	
2,000.00	1,995.91	2,042.15	2,041.97	7.33	7.18	-59.21	-1,933.12	2.59	1,869.53	1,855.11	14.42	129.637	
2,100.00	2,095.67	2,140.90	2,140.71	7.71	7.53	-59.42	-1,931.68	3.12	1,864.52	1,849.37	15.15	123.078	
2,200.00	2,195.42	2,223.83	2,223.63	8.09	7.82	-59.58	-1,930.79	3.38	1,859.92	1,844.11	15.82	117.605	
2,300.00	2,295.18	2,314.19	2,313.98	8.46	8.12	-59.74	-1,930.70	3.21	1,856.26	1,839.77	16.49	112.549	
2,400.00	2,394.93	2,413.87	2,413.67	8.84	8.46	-59.93	-1,930.73	3.18	1,852.77	1,835.57	17.20	107.720	
2,500.00	2,494.69	2,514.66	2,514.45	9.22	8.80	-60.12	-1,930.72	3.17	1,849.25	1,831.33	17.92	103.188	
2,600.00	2,594.44	2,613.83	2,613.63	9.60	9.15	-60.30	-1,930.69	3.13	1,845.73	1,827.09	18.64	99.018	
2,700.00	2,694.20	2,712.37	2,712.16	9.98	9.49	-60.49	-1,930.71	3.14	1,842.29	1,822.94	19.35	95.198	
2,800.00	2,793.95	2,812.32	2,812.12	10.36	9.82	-60.68	-1,930.76	3.18	1,838.90	1,818.84	20.06	91.652	
2,900.00	2,893.71	2,912.43	2,912.23	10.74	10.16	-60.87	-1,930.80	3.16	1,835.51	1,814.74	20.78	88.351	
3,000.00	2,993.46	3,011.99	3,011.78	11.12	10.49	-61.06	-1,930.84	3.12	1,832.14	1,810.66	21.48	85.284	
3,100.00	3,093.22	3,112.91	3,112.71	11.49	10.84	-61.25	-1,930.83	3.12	1,828.76	1,806.55	22.21	82.353	
3,200.00	3,192.97	3,211.32	3,211.12	11.87	11.18	-61.44	-1,930.86	3.05	1,825.41	1,802.49	22.92	79.638	
3,300.00	3,292.72	3,311.50	3,311.30	12.25	11.52	-61.63	-1,930.91	2.90	1,822.10	1,798.47	23.64	77.092	
3,400.00	3,392.48	3,411.94	3,411.74	12.63	11.86	-61.82	-1,930.93	2.79	1,818.79	1,794.44	24.35	74.681	
3,500.00	3,492.23	3,511.86	3,511.65	13.01	12.21	-62.01	-1,930.89	2.74	1,815.45	1,790.37	25.08	72.396	
3,600.00	3,591.99	3,610.88	3,610.68	13.39	12.55	-62.21	-1,930.91	2.77	1,812.19	1,786.40	25.80	70.249	
3,700.00	3,691.74	3,711.72	3,711.52	13.77	12.91	-62.41	-1,930.88	2.79	1,808.90	1,782.38	26.53	68.191	
3,800.00	3,791.50	3,809.98	3,809.77	14.15	13.25	-62.60	-1,930.86	2.83	1,805.65	1,778.40	27.25	66.266	
3,900.00	3,891.25	3,907.93	3,907.72	14.53	13.59	-62.80	-1,930.95	2.87	1,802.54	1,774.57	27.96	64.465	
4,000.00	3,991.01	4,010.08	4,009.88	14.90	13.94	-63.00	-1,931.08	2.83	1,799.45	1,770.77	28.69	62.728	
4,100.00	4,090.76	4,110.71	4,110.51	15.28	14.29	-63.20	-1,931.02	2.78	1,796.22	1,766.81	29.41	61.068	
4,200.00	4,190.52	4,209.80	4,209.60	15.66	14.64	-63.40	-1,931.00	2.84	1,793.06	1,762.92	30.14	59.495	
4,300.00	4,290.27	4,309.48	4,309.27	16.04	14.99	-63.60	-1,931.00	2.85	1,789.92	1,759.06	30.86	57.995	
4,400.00	4,390.03	4,409.69	4,409.49	16.42	15.34	-63.80	-1,930.99	2.82	1,786.81	1,755.22	31.59	56.564	
4,500.00	4,489.78	4,508.89	4,508.68	16.80	15.68	-64.00	-1,930.98	2.81	1,783.71	1,751.39	32.31	55.203	
4,600.00	4,589.54	4,608.83	4,608.63	17.18	16.03	-64.20	-1,930.97	2.88	1,780.65	1,747.61	33.04	53.894	
4,700.00	4,689.29	4,707.30	4,707.10	17.56	16.38	-64.40	-1,930.99	2.93	1,777.63	1,743.87	33.76	52.655	
4,800.00	4,789.05	4,808.24	4,808.03	17.94	16.73	-64.61	-1,931.02	2.94	1,774.65	1,740.16	34.49	51.459	
4,900.00	4,888.80	4,909.32	4,909.11	18.31	17.08	-64.81	-1,931.05	2.96	1,771.65	1,736.44	35.21	50.312	
5,000.00	4,988.56	5,021.89	5,021.65	18.69	17.46	-64.96	-1,930.98	0.08	1,768.25	1,732.28	35.97	49.156	
5,100.00	5,088.31	5,140.09	5,139.67	19.07	17.87	-65.00	-1,930.48	-6.35	1,764.03	1,727.29	36.75	48.006	
5,200.00	5,188.06	5,272.35	5,271.42	19.45	18.33	-64.91	-1,928.66	-17.71	1,758.39	1,720.84	37.55	46.822	

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<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

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Survey Program: 54-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		
5,300.00	5,287.82	5,416.09	5,413.84	19.83	18.83	-64.62	-1,924.48	-36.54	1,750.55	1,712.17	38.38	45.612		
5,400.00	5,387.57	5,541.43	5,537.21	20.21	19.28	-64.21	-1,918.81	-57.91	1,740.51	1,701.35	39.16	44.451		
5,500.00	5,487.33	5,633.14	5,627.08	20.59	19.61	-63.83	-1,914.54	-75.66	1,730.10	1,690.23	39.87	43.395		
5,600.00	5,587.08	5,743.67	5,735.10	20.97	20.02	-63.32	-1,909.69	-98.61	1,719.86	1,679.24	40.63	42.335		
5,700.00	5,686.84	5,848.40	5,837.26	21.35	20.42	-62.81	-1,904.53	-121.04	1,709.11	1,667.74	41.38	41.305		
5,800.00	5,786.59	5,962.86	5,948.26	21.72	20.87	-62.15	-1,898.32	-148.27	1,697.71	1,655.55	42.16	40.269		
5,900.00	5,886.35	6,063.62	6,045.00	22.10	21.28	-61.44	-1,892.83	-175.86	1,686.06	1,643.13	42.93	39.276		
6,000.00	5,986.10	6,163.58	6,139.81	22.48	21.70	-60.59	-1,887.55	-207.09	1,674.46	1,630.75	43.71	38.304		
6,100.00	6,085.86	6,253.18	6,223.80	22.86	22.10	-59.72	-1,883.09	-237.95	1,663.26	1,618.77	44.50	37.380		
6,200.00	6,185.61	6,340.27	6,305.05	23.24	22.50	-58.81	-1,879.44	-269.11	1,653.19	1,607.91	45.28	36.506		
6,300.00	6,285.37	6,449.81	6,406.55	23.62	23.03	-57.61	-1,874.68	-309.99	1,643.46	1,597.30	46.16	35.601		
6,400.00	6,385.12	6,576.33	6,522.31	24.00	23.68	-56.07	-1,867.45	-360.54	1,632.98	1,585.85	47.13	34.648		
6,500.00	6,484.88	6,803.07	6,725.25	24.38	24.98	-52.99	-1,841.78	-458.12	1,617.35	1,568.91	48.43	33.393		
6,600.00	6,584.63	6,930.46	6,836.84	24.76	25.80	-51.07	-1,821.16	-515.99	1,598.84	1,549.32	49.52	32.290		
6,700.00	6,684.39	7,014.44	6,910.36	25.14	26.35	-49.78	-1,806.47	-553.81	1,580.24	1,529.75	50.49	31.297		
6,800.00	6,784.14	7,088.85	6,978.14	25.51	26.80	-48.83	-1,794.73	-582.09	1,563.71	1,512.31	51.40	30.421		
6,900.00	6,883.90	7,252.36	7,136.68	25.89	27.57	-47.95	-1,770.97	-611.09	1,547.50	1,495.24	52.27	29.608		
7,000.00	6,983.65	7,407.98	7,289.16	26.27	28.04	-48.58	-1,744.41	-598.85	1,524.15	1,471.34	52.81	28.861		
7,100.00	7,083.40	7,475.73	7,353.87	26.65	28.20	-49.34	-1,734.81	-581.40	1,501.69	1,448.17	53.52	28.057		
7,200.00	7,183.16	7,539.00	7,412.37	27.03	28.34	-50.33	-1,728.50	-558.22	1,481.93	1,427.70	54.23	27.325		
7,298.28	7,281.20	7,595.90	7,462.69	27.40	28.46	-51.46	-1,724.79	-531.97	1,465.35	1,410.43	54.92	26.682		
7,300.00	7,282.91	7,596.98	7,463.61	27.41	28.46	-52.88	-1,724.73	-531.43	1,465.09	1,410.16	54.93	26.671		
7,350.00	7,332.59	7,634.00	7,494.88	27.61	28.53	-73.13	-1,723.10	-511.67	1,457.75	1,402.47	55.28	26.372		
7,400.00	7,381.62	7,653.17	7,510.55	27.82	28.58	-79.90	-1,722.48	-500.66	1,451.21	1,395.57	55.64	26.084		
7,450.00	7,429.64	7,676.15	7,528.85	28.05	28.63	-83.77	-1,721.91	-486.77	1,445.80	1,389.81	55.99	25.821		
7,500.00	7,476.29	7,694.18	7,542.81	28.30	28.68	-86.27	-1,721.58	-475.36	1,441.81	1,385.47	56.34	25.592		
7,550.00	7,521.20	7,707.70	7,553.03	28.56	28.71	-87.96	-1,721.41	-466.52	1,439.45	1,382.79	56.66	25.404		
7,592.27	7,557.56	7,728.00	7,567.98	28.79	28.76	-89.37	-1,721.27	-452.78	1,438.94	1,381.98	56.96	25.263		
7,600.00	7,564.03	7,728.00	7,567.98	28.83	28.76	-89.45	-1,721.27	-452.78	1,438.97	1,381.97	57.00	25.245		
7,650.00	7,604.47	7,728.00	7,567.98	29.13	28.76	-89.80	-1,721.27	-452.78	1,440.28	1,383.01	57.27	25.148		
7,700.00	7,642.19	7,728.00	7,567.98	29.45	28.76	-89.82	-1,721.27	-452.78	1,443.60	1,386.06	57.54	25.090		
7,750.00	7,676.92	7,728.00	7,567.98	29.79	28.76	-89.57	-1,721.27	-452.78	1,448.88	1,391.07	57.80	25.065		
7,800.00	7,708.39	7,728.00	7,567.98	30.17	28.76	-89.05	-1,721.27	-452.78	1,456.05	1,397.97	58.08	25.068		
7,850.00	7,736.35	7,728.00	7,567.98	30.59	28.76	-88.31	-1,721.27	-452.78	1,465.05	1,406.66	58.38	25.093		
7,900.00	7,760.61	7,728.00	7,567.98	31.04	28.76	-87.34	-1,721.27	-452.78	1,475.75	1,417.04	58.72	25.134		
7,950.00	7,780.97	7,728.00	7,567.98	31.53	28.76	-86.17	-1,721.27	-452.78	1,488.06	1,428.98	59.08	25.186		
8,000.00	7,797.27	7,699.12	7,546.57	32.07	28.69	-83.78	-1,721.51	-472.16	1,501.21	1,441.90	59.30	25.314		
8,050.00	7,809.40	7,689.55	7,539.26	32.65	28.67	-81.98	-1,721.65	-478.33	1,515.79	1,456.11	59.68	25.399		
8,100.00	7,817.26	7,679.02	7,531.10	33.27	28.64	-80.03	-1,721.85	-484.99	1,531.31	1,471.22	60.08	25.486		
8,150.00	7,820.79	7,667.64	7,522.14	33.92	28.61	-77.99	-1,722.10	-492.01	1,547.55	1,487.04	60.52	25.573		
8,163.06	7,821.00	7,664.54	7,519.68	34.09	28.61	-77.44	-1,722.18	-493.88	1,551.89	1,491.26	60.63	25.595		
8,200.00	7,821.16	7,634.00	7,494.88	34.60	28.53	-76.51	-1,723.10	-511.67	1,564.92	1,504.12	60.80	25.737		
8,300.00	7,821.60	7,634.00	7,494.88	36.08	28.53	-76.51	-1,723.10	-511.67	1,601.98	1,540.07	61.91	25.876		
8,400.00	7,822.03	7,634.00	7,494.88	37.69	28.53	-76.51	-1,723.10	-511.67	1,644.28	1,581.28	63.00	26.098		
8,500.00	7,822.47	7,598.70	7,465.09	39.43	28.46	-75.40	-1,724.64	-530.55	1,690.29	1,626.45	63.84	26.475		
8,600.00	7,822.90	7,583.37	7,451.82	41.27	28.43	-74.91	-1,725.48	-538.18	1,740.67	1,675.89	64.78	26.871		
8,700.00	7,823.34	7,539.00	7,412.37	43.20	28.34	-73.49	-1,728.50	-558.22	1,795.69	1,730.23	65.47	27.429		
8,800.00	7,823.78	7,539.00	7,412.37	45.21	28.34	-73.49	-1,728.50	-558.22	1,852.74	1,786.33	66.41	27.900		
8,900.00	7,824.21	7,539.00	7,412.37	47.29	28.34	-73.49	-1,728.50	-558.22	1,913.32	1,846.04	67.28	28.439		
9,000.00	7,824.65	7,539.00	7,412.37	49.44	28.34	-73.49	-1,728.50	-558.22	1,977.09	1,909.01	68.08	29.041		
9,100.00	7,825.08	7,539.00	7,412.37	51.63	28.34	-73.49	-1,728.50	-558.22	2,043.78	1,974.96	68.82	29.699		
9,200.00	7,825.52	7,539.00	7,412.37	53.87	28.34	-73.49	-1,728.50	-558.22	2,113.09	2,043.60	69.49	30.409		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 54-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		
9,300.00	7,825.95	7,539.00	7,412.37	56.15	28.34	-73.49	-1,728.50	-558.22	2,184.79	2,114.68	70.10	31.166		
9,400.00	7,826.39	7,539.00	7,412.37	58.47	28.34	-73.49	-1,728.50	-558.22	2,258.63	2,187.97	70.66	31.964		
9,500.00	7,826.82	7,495.09	7,372.01	60.82	28.24	-72.07	-1,732.59	-575.00	2,332.31	2,261.31	71.00	32.848		
9,600.00	7,827.26	7,488.67	7,366.01	63.19	28.23	-71.86	-1,733.30	-577.19	2,409.21	2,337.75	71.46	33.715		
9,700.00	7,827.70	7,445.00	7,324.73	65.59	28.14	-70.46	-1,738.85	-590.26	2,489.22	2,417.49	71.72	34.705		
9,800.00	7,828.13	7,445.00	7,324.73	68.02	28.14	-70.46	-1,738.85	-590.26	2,568.67	2,496.53	72.14	35.607		
9,900.00	7,828.57	7,445.00	7,324.73	70.46	28.14	-70.46	-1,738.85	-590.26	2,649.51	2,576.99	72.52	36.535		
10,000.00	7,829.00	7,445.00	7,324.73	72.92	28.14	-70.46	-1,738.85	-590.26	2,731.62	2,658.75	72.87	37.487		
10,100.00	7,829.44	7,445.00	7,324.73	75.40	28.14	-70.46	-1,738.85	-590.26	2,814.89	2,741.70	73.19	38.462		
10,200.00	7,829.87	7,445.00	7,324.73	77.89	28.14	-70.46	-1,738.85	-590.26	2,899.22	2,825.74	73.48	39.457		
10,300.00	7,830.31	7,445.00	7,324.73	80.40	28.14	-70.46	-1,738.85	-590.26	2,984.51	2,910.76	73.75	40.469		
10,400.00	7,830.75	7,445.00	7,324.73	82.92	28.14	-70.46	-1,738.85	-590.26	3,070.69	2,996.70	74.00	41.499		
10,500.00	7,831.18	7,445.00	7,324.73	85.45	28.14	-70.46	-1,738.85	-590.26	3,157.69	3,083.47	74.22	42.543		
10,600.00	7,831.62	7,445.00	7,324.73	87.99	28.14	-70.46	-1,738.85	-590.26	3,245.44	3,171.00	74.44	43.601		
10,700.00	7,832.05	7,445.00	7,324.73	90.54	28.14	-70.46	-1,738.85	-590.26	3,333.87	3,259.24	74.63	44.671		
10,800.00	7,832.49	7,445.00	7,324.73	93.09	28.14	-70.46	-1,738.85	-590.26	3,422.94	3,348.13	74.81	45.753		
10,900.00	7,832.92	7,445.00	7,324.73	95.66	28.14	-70.46	-1,738.85	-590.26	3,512.61	3,437.62	74.98	46.845		
10,917.50	7,833.00	7,445.00	7,324.73	96.11	28.14	-70.46	-1,738.85	-590.26	3,528.36	3,453.34	75.01	47.037		
10,950.00	7,833.12	7,445.00	7,324.73	96.94	28.14	-72.30	-1,738.85	-590.26	3,557.25	3,482.18	75.06	47.390		
11,000.00	7,833.19	7,445.00	7,324.73	98.21	28.14	-74.45	-1,738.85	-590.26	3,600.15	3,525.01	75.14	47.911		
11,050.00	7,833.13	7,445.00	7,324.73	99.46	28.14	-76.05	-1,738.85	-590.26	3,640.95	3,565.73	75.22	48.405		
11,100.00	7,832.95	7,445.00	7,324.73	100.67	28.14	-77.29	-1,738.85	-590.26	3,679.41	3,604.13	75.28	48.874		
11,118.68	7,832.85	7,445.00	7,324.73	101.11	28.14	-77.68	-1,738.85	-590.26	3,693.13	3,617.83	75.30	49.043		
11,200.00	7,832.38	7,445.00	7,324.73	103.01	28.14	-77.68	-1,738.85	-590.26	3,752.51	3,677.11	75.40	49.771		
11,300.00	7,831.80	7,445.00	7,324.73	105.35	28.14	-77.68	-1,738.85	-590.26	3,826.63	3,751.13	75.50	50.685		
11,400.00	7,831.22	7,445.00	7,324.73	107.70	28.14	-77.68	-1,738.85	-590.26	3,901.90	3,826.31	75.59	51.618		
11,500.00	7,830.64	7,445.00	7,324.73	110.06	28.14	-77.68	-1,738.85	-590.26	3,978.26	3,902.59	75.67	52.571		
11,600.00	7,830.06	7,445.00	7,324.73	112.42	28.14	-77.68	-1,738.85	-590.26	4,055.65	3,979.90	75.75	53.540		
11,613.00	7,829.98	7,445.00	7,324.73	112.73	28.14	-77.68	-1,738.85	-590.26	4,065.78	3,990.03	75.76	53.668		
11,650.00	7,829.74	7,445.00	7,324.73	113.59	28.14	-78.53	-1,738.85	-590.26	4,093.97	4,018.19	75.78	54.026		
11,700.00	7,829.36	7,445.00	7,324.73	114.70	28.14	-79.46	-1,738.85	-590.26	4,129.78	4,053.99	75.78	54.495		
11,750.00	7,828.90	7,402.26	7,283.63	115.74	28.03	-79.50	-1,745.32	-599.98	4,160.98	4,085.27	75.71	54.960		
11,800.00	7,828.37	7,400.69	7,282.11	116.69	28.02	-80.13	-1,745.57	-600.28	4,190.87	4,115.22	75.65	55.396		
11,850.00	7,827.78	7,399.13	7,280.60	117.55	28.02	-80.65	-1,745.82	-600.57	4,217.61	4,142.06	75.56	55.819		
11,900.00	7,827.13	7,397.59	7,279.10	118.32	28.02	-81.08	-1,746.08	-600.86	4,241.07	4,165.65	75.42	56.232		
11,950.00	7,826.41	7,396.06	7,277.62	119.00	28.01	-81.43	-1,746.32	-601.13	4,261.11	4,185.87	75.23	56.637		
12,000.00	7,825.65	7,394.57	7,276.17	119.58	28.01	-81.72	-1,746.57	-601.40	4,277.63	4,202.63	75.00	57.036		
12,050.00	7,824.85	7,393.11	7,274.76	120.06	28.00	-81.96	-1,746.81	-601.66	4,290.55	4,215.84	74.71	57.428		
12,100.00	7,824.00	7,350.00	7,232.75	120.46	27.89	-81.61	-1,754.31	-607.72	4,301.52	4,227.21	74.31	57.884		
12,150.00	7,823.12	7,350.00	7,232.75	120.77	27.89	-81.77	-1,754.31	-607.72	4,306.96	4,233.03	73.92	58.262		
12,200.00	7,822.22	7,350.00	7,232.75	121.00	27.89	-81.88	-1,754.31	-607.72	4,308.66	4,235.17	73.49	58.631		
12,250.00	7,821.30	7,350.00	7,232.75	121.17	27.89	-81.95	-1,754.31	-607.72	4,306.62	4,233.61	73.01	58.987		
12,300.00	7,820.37	7,350.00	7,232.75	121.27	27.89	-81.96	-1,754.31	-607.72	4,300.84	4,228.35	72.49	59.327		
12,350.00	7,819.43	7,350.00	7,232.75	121.33	27.89	-81.92	-1,754.31	-607.72	4,291.37	4,219.42	71.95	59.643		
12,400.00	7,818.49	7,350.00	7,232.75	121.35	27.89	-81.82	-1,754.31	-607.72	4,278.25	4,206.86	71.39	59.928		
12,450.00	7,817.57	7,350.00	7,232.75	121.34	27.89	-81.65	-1,754.31	-607.72	4,261.54	4,190.72	70.82	60.174		
12,500.00	7,816.66	7,350.00	7,232.75	121.31	27.89	-81.41	-1,754.31	-607.72	4,241.32	4,171.07	70.25	60.374		
12,550.00	7,815.77	7,350.00	7,232.75	121.29	27.89	-81.07	-1,754.31	-607.72	4,217.71	4,148.02	69.69	60.517		
12,600.00	7,814.91	7,350.00	7,232.75	121.27	27.89	-80.62	-1,754.31	-607.72	4,190.83	4,121.67	69.16	60.596		
12,650.00	7,814.09	7,350.00	7,232.75	121.27	27.89	-80.04	-1,754.31	-607.72	4,160.82	4,092.17	68.66	60.604		
12,700.00	7,813.32	7,350.00	7,232.75	121.30	27.89	-79.29	-1,754.31	-607.72	4,127.84	4,059.65	68.19	60.534		
12,750.00	7,812.59	7,350.00	7,232.75	121.36	27.89	-78.30	-1,754.31	-607.72	4,092.08	4,024.31	67.77	60.383		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 54-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		
12,800.00	7,811.92	7,350.00	7,232.75	121.47	27.89	-77.02	-1,754.31	-607.72	4,053.74	3,986.35	67.39	60.150		
12,850.00	7,811.31	7,350.00	7,232.75	121.62	27.89	-75.30	-1,754.31	-607.72	4,013.04	3,945.97	67.07	59.836		
12,900.00	7,810.76	7,350.00	7,232.75	121.82	27.89	-72.97	-1,754.31	-607.72	3,970.22	3,903.43	66.79	59.443		
12,950.00	7,810.28	7,350.00	7,232.75	122.07	27.89	-69.67	-1,754.31	-607.72	3,925.55	3,858.99	66.56	58.979		
13,000.00	7,809.87	7,350.00	7,232.75	122.37	27.89	-64.81	-1,754.31	-607.72	3,879.30	3,812.93	66.37	58.450		
13,050.00	7,809.54	7,350.00	7,232.75	122.72	27.89	-57.20	-1,754.31	-607.72	3,831.78	3,765.56	66.22	57.864		
13,100.00	7,809.28	7,350.00	7,232.75	123.11	27.89	-44.47	-1,754.31	-607.72	3,783.31	3,717.20	66.11	57.229		
13,150.00	7,809.11	7,350.00	7,232.75	123.53	27.89	-22.89	-1,754.31	-607.72	3,734.23	3,668.20	66.03	56.553		
13,200.00	7,809.01	7,350.00	7,232.75	123.98	27.89	6.95	-1,754.31	-607.72	3,684.89	3,618.90	65.99	55.842		
13,213.90	7,809.00	7,350.00	7,232.75	124.11	27.89	15.10	-1,754.31	-607.72	3,671.18	3,605.20	65.98	55.639		
13,300.00	7,808.95	7,350.00	7,232.75	124.93	27.89	15.10	-1,754.31	-607.72	3,586.32	3,520.36	65.96	54.372		
13,400.00	7,808.89	7,350.00	7,232.75	125.92	27.89	15.10	-1,754.31	-607.72	3,487.84	3,421.91	65.93	52.899		
13,500.00	7,808.82	7,390.71	7,272.43	126.97	28.00	15.44	-1,747.21	-602.08	3,387.79	3,321.77	66.02	51.314		
13,600.00	7,808.76	7,393.26	7,274.90	128.07	28.00	15.46	-1,746.79	-601.64	3,289.27	3,223.26	66.01	49.830		
13,700.00	7,808.70	7,395.93	7,277.50	129.22	28.01	15.49	-1,746.35	-601.16	3,190.83	3,124.83	66.00	48.344		
13,800.00	7,808.64	7,398.75	7,280.23	130.41	28.02	15.52	-1,745.89	-600.64	3,092.48	3,026.48	66.00	46.855		
13,900.00	7,808.58	7,401.73	7,283.11	131.65	28.03	15.55	-1,745.41	-600.08	2,994.21	2,928.21	66.01	45.362		
14,000.00	7,808.52	7,404.87	7,286.15	132.93	28.03	15.58	-1,744.90	-599.47	2,896.05	2,830.03	66.02	43.868		
14,100.00	7,808.45	7,445.00	7,324.73	134.26	28.14	16.06	-1,738.85	-590.26	2,799.40	2,733.27	66.13	42.332		
14,200.00	7,808.39	7,445.00	7,324.73	135.63	28.14	16.06	-1,738.85	-590.26	2,701.21	2,635.07	66.14	40.838		
14,300.00	7,808.33	7,445.00	7,324.73	137.04	28.14	16.06	-1,738.85	-590.26	2,603.16	2,536.99	66.17	39.340		
14,400.00	7,808.27	7,445.00	7,324.73	138.49	28.14	16.06	-1,738.85	-590.26	2,505.27	2,439.06	66.21	37.840		
14,500.00	7,808.21	7,445.00	7,324.73	139.98	28.14	16.06	-1,738.85	-590.26	2,407.55	2,341.29	66.26	36.335		
14,600.00	7,808.14	7,445.00	7,324.73	141.51	28.14	16.06	-1,738.85	-590.26	2,310.02	2,243.69	66.33	34.828		
14,700.00	7,808.08	7,445.00	7,324.73	143.07	28.14	16.06	-1,738.85	-590.26	2,212.72	2,146.30	66.42	33.316		
14,800.00	7,808.02	7,445.00	7,324.73	144.67	28.14	16.06	-1,738.85	-590.26	2,115.66	2,049.14	66.53	31.800		
14,900.00	7,807.96	7,445.00	7,324.73	146.30	28.14	16.06	-1,738.85	-590.26	2,018.90	1,952.23	66.67	30.281		
15,000.00	7,807.90	7,445.00	7,324.73	147.96	28.14	16.06	-1,738.85	-590.26	1,922.46	1,855.61	66.85	28.758		
15,100.00	7,807.84	7,445.00	7,324.73	149.66	28.14	16.06	-1,738.85	-590.26	1,826.41	1,759.34	67.07	27.230		
15,200.00	7,807.77	7,445.00	7,324.73	151.38	28.14	16.06	-1,738.85	-590.26	1,730.81	1,663.46	67.35	25.699		
15,300.00	7,807.71	7,445.00	7,324.73	153.14	28.14	16.06	-1,738.85	-590.26	1,635.73	1,568.04	67.69	24.165		
15,400.00	7,807.65	7,445.00	7,324.73	154.92	28.14	16.06	-1,738.85	-590.26	1,541.28	1,473.16	68.12	22.627		
15,500.00	7,807.59	7,486.66	7,364.13	156.73	28.23	16.72	-1,733.53	-577.86	1,445.41	1,376.97	68.44	21.119		
15,600.00	7,807.53	7,496.27	7,373.11	158.56	28.25	16.90	-1,732.46	-574.59	1,351.43	1,282.45	68.98	19.590		
15,700.00	7,807.47	7,539.00	7,412.37	160.42	28.34	17.87	-1,728.50	-558.22	1,259.44	1,189.98	69.46	18.132		
15,800.00	7,807.40	7,539.00	7,412.37	162.31	28.34	17.87	-1,728.50	-558.22	1,166.08	1,095.79	70.29	16.589		
15,900.00	7,807.34	7,539.00	7,412.37	164.22	28.34	17.87	-1,728.50	-558.22	1,073.92	1,002.57	71.36	15.050		
16,000.00	7,807.28	7,539.00	7,412.37	166.15	28.34	17.87	-1,728.50	-558.22	983.30	910.58	72.71	13.523		
16,100.00	7,807.22	7,539.00	7,412.37	168.10	28.34	17.87	-1,728.50	-558.22	894.67	820.22	74.45	12.017		
16,200.00	7,807.16	7,581.37	7,450.08	170.08	28.43	19.08	-1,725.60	-539.14	806.01	730.03	75.98	10.608		
16,300.00	7,807.10	7,602.52	7,468.37	172.07	28.47	19.79	-1,724.45	-528.60	720.00	641.67	78.33	9.192		
16,400.00	7,807.03	7,634.00	7,494.88	174.08	28.53	20.99	-1,723.10	-511.67	636.35	555.17	81.17	7.839		
16,455.46	7,807.00	7,634.00	7,494.88	175.21	28.53	20.99	-1,723.10	-511.67	591.09	507.57	83.52	7.077	CC, ES, SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2252-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	2,113.95	2,113.87	0.00	0.00	-179.69	-1,907.81	-10.22	2,833.43					
100.00	100.00	2,113.95	2,113.87	0.27	0.00	-179.69	-1,907.81	-10.22	2,760.32	2,758.65	1.67	1,650.710		
200.00	200.00	2,113.95	2,113.87	0.63	0.00	-179.69	-1,907.81	-10.22	2,688.94	2,687.25	1.69	1,594.836		
300.00	299.98	2,113.95	2,113.87	0.98	0.00	-57.34	-1,907.81	-10.22	2,618.73	2,616.97	1.76	1,491.434		
400.69	400.52	2,113.95	2,113.87	1.33	0.00	-58.99	-1,907.81	-10.22	2,548.65	2,546.77	1.88	1,355.287		
500.00	499.59	2,113.95	2,113.87	1.69	0.00	-58.99	-1,907.81	-10.22	2,480.91	2,478.87	2.03	1,220.669		
600.00	599.35	2,113.95	2,113.87	2.06	0.00	-58.99	-1,907.81	-10.22	2,414.90	2,412.69	2.21	1,090.417		
700.00	699.10	2,113.95	2,113.87	2.43	0.00	-58.99	-1,907.81	-10.22	2,351.30	2,348.87	2.44	965.326		
800.00	798.86	2,113.95	2,113.87	2.80	0.00	-58.99	-1,907.81	-10.22	2,290.30	2,287.61	2.69	850.883		
900.00	898.61	2,113.95	2,113.87	3.18	0.00	-58.99	-1,907.81	-10.22	2,232.12	2,229.14	2.98	749.394		
1,000.00	998.37	2,113.95	2,113.87	3.55	0.00	-58.99	-1,907.81	-10.22	2,176.98	2,173.69	3.29	661.107		
1,100.00	1,098.12	2,113.95	2,113.87	3.93	0.00	-58.99	-1,907.81	-10.22	2,125.11	2,121.48	3.63	585.181		
1,200.00	1,197.88	2,113.95	2,113.87	4.31	0.00	-58.99	-1,907.81	-10.22	2,076.77	2,072.78	3.99	520.315		
1,300.00	1,297.63	2,113.95	2,113.87	4.68	0.00	-58.99	-1,907.81	-10.22	2,032.20	2,027.83	4.37	465.102		
1,400.00	1,397.38	2,113.95	2,113.87	5.06	0.00	-58.99	-1,907.81	-10.22	1,991.66	1,986.90	4.76	418.208		
1,500.00	1,497.14	2,113.95	2,113.87	5.44	0.00	-58.99	-1,907.81	-10.22	1,955.40	1,950.23	5.17	378.440		
1,600.00	1,596.89	2,113.95	2,113.87	5.82	0.00	-58.99	-1,907.81	-10.22	1,923.65	1,918.07	5.58	344.766		
1,700.00	1,696.65	2,113.95	2,113.87	6.19	0.00	-58.99	-1,907.81	-10.22	1,896.66	1,890.66	6.00	316.307		
1,800.00	1,796.40	2,113.95	2,113.87	6.57	0.00	-58.99	-1,907.81	-10.22	1,874.62	1,868.20	6.41	292.322		
1,900.00	1,896.16	2,113.95	2,113.87	6.95	0.00	-58.99	-1,907.81	-10.22	1,857.70	1,850.88	6.83	272.189		
2,000.00	1,995.91	2,113.95	2,113.87	7.33	0.00	-58.99	-1,907.81	-10.22	1,846.06	1,838.83	7.23	255.383		
2,100.00	2,095.67	2,120.03	2,119.95	7.71	0.01	-59.01	-1,907.79	-10.23	1,839.77	1,832.14	7.63	241.135		
2,200.00	2,195.42	2,216.69	2,216.61	8.09	0.18	-59.19	-1,907.60	-10.24	1,835.96	1,827.79	8.18	224.534		
2,300.00	2,295.18	2,313.21	2,313.13	8.46	0.46	-59.37	-1,907.56	-10.13	1,832.35	1,823.52	8.83	207.574		
2,400.00	2,394.93	2,415.55	2,415.47	8.84	0.81	-59.56	-1,907.60	-10.17	1,828.83	1,819.27	9.55	191.401		
2,500.00	2,494.69	2,514.71	2,514.63	9.22	1.16	-59.75	-1,907.50	-10.23	1,825.18	1,814.90	10.27	177.637		
2,600.00	2,594.44	2,615.46	2,615.38	9.60	1.51	-59.94	-1,907.44	-10.19	1,821.59	1,810.59	11.00	165.540		
2,700.00	2,694.20	2,715.09	2,715.01	9.98	1.87	-60.13	-1,907.33	-10.21	1,817.98	1,806.25	11.73	154.999		
2,800.00	2,793.95	2,812.02	2,811.94	10.36	2.20	-60.32	-1,907.30	-10.24	1,814.47	1,802.03	12.44	145.850		
2,900.00	2,893.71	2,926.68	2,926.60	10.74	2.60	-60.56	-1,906.74	-9.46	1,810.57	1,797.35	13.21	137.016		
3,000.00	2,993.46	3,015.50	3,015.41	11.12	2.92	-60.75	-1,906.31	-9.02	1,806.68	1,792.78	13.90	129.931		
3,100.00	3,093.22	3,111.07	3,110.98	11.49	3.25	-60.94	-1,906.28	-8.96	1,803.23	1,788.62	14.62	123.379		
3,200.00	3,192.97	3,212.14	3,212.05	11.87	3.60	-61.13	-1,906.30	-9.02	1,799.86	1,784.52	15.34	117.331		
3,300.00	3,292.72	3,310.58	3,310.49	12.25	3.94	-61.32	-1,906.34	-9.08	1,796.52	1,780.46	16.06	111.897		
3,400.00	3,392.48	3,410.65	3,410.56	12.63	4.29	-61.52	-1,906.41	-9.03	1,793.24	1,776.46	16.78	106.874		
3,500.00	3,492.23	3,512.05	3,511.97	13.01	4.65	-61.72	-1,906.40	-8.94	1,789.90	1,772.39	17.51	102.217		
3,600.00	3,591.99	3,612.36	3,612.27	13.39	5.00	-61.92	-1,906.33	-8.90	1,786.53	1,768.29	18.24	97.953		
3,700.00	3,691.74	3,711.03	3,710.94	13.77	5.34	-62.12	-1,906.29	-9.03	1,783.18	1,764.23	18.96	94.064		
3,800.00	3,791.50	3,809.70	3,809.61	14.15	5.68	-62.31	-1,906.33	-9.08	1,779.95	1,760.27	19.67	90.470		
3,900.00	3,891.25	3,908.47	3,908.38	14.53	6.02	-62.51	-1,906.41	-9.15	1,776.77	1,756.37	20.39	87.125		
4,000.00	3,991.01	4,012.48	4,012.39	14.90	6.39	-62.71	-1,906.47	-9.25	1,773.60	1,752.47	21.13	83.935		
4,100.00	4,090.76	4,113.02	4,112.93	15.28	6.74	-62.91	-1,906.27	-9.44	1,770.17	1,748.31	21.86	80.987		
4,200.00	4,190.52	4,211.96	4,211.87	15.66	7.08	-63.11	-1,906.13	-9.49	1,766.84	1,744.26	22.58	78.249		
4,300.00	4,290.27	4,311.27	4,311.18	16.04	7.43	-63.30	-1,906.03	-9.65	1,763.56	1,740.25	23.30	75.677		
4,400.00	4,390.03	4,412.45	4,412.36	16.42	7.79	-63.51	-1,905.90	-9.73	1,760.28	1,736.24	24.04	73.238		
4,500.00	4,489.78	4,511.00	4,510.91	16.80	8.13	-63.71	-1,905.75	-9.82	1,757.00	1,732.24	24.76	70.966		
4,600.00	4,589.54	4,607.40	4,607.31	17.18	8.47	-63.90	-1,905.73	-9.90	1,753.87	1,728.40	25.47	68.852		
4,700.00	4,689.29	4,708.78	4,708.69	17.56	8.82	-64.10	-1,905.79	-10.11	1,750.83	1,724.63	26.20	66.815		
4,800.00	4,789.05	4,818.37	4,818.28	17.94	9.21	-64.32	-1,905.67	-10.36	1,747.65	1,720.69	26.96	64.815		
4,900.00	4,888.80	4,987.68	4,987.47	18.31	9.61	-64.54	-1,902.07	-15.06	1,742.16	1,714.26	27.90	62.444		
5,000.00	4,988.56	5,113.13	5,112.59	18.69	10.25	-64.60	-1,896.43	-22.17	1,733.89	1,705.19	28.70	60.423		
5,100.00	5,088.31	5,266.73	5,265.37	19.07	10.80	-64.56	-1,886.71	-34.46	1,723.54	1,693.99	29.55	58.325		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2252-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	5,188.06	5,508.63	5,503.33	19.45	11.70	-64.15	-1,858.03	-66.31	1,706.36	1,675.84	30.51	55.924		
5,300.00	5,287.82	5,621.21	5,612.74	19.83	12.14	-63.79	-1,840.31	-86.04	1,685.22	1,653.96	31.26	53.913		
5,400.00	5,387.57	5,723.29	5,711.62	20.21	12.56	-63.40	-1,824.25	-105.69	1,663.94	1,631.94	32.00	51.996		
5,500.00	5,487.33	5,817.67	5,802.89	20.59	12.96	-63.01	-1,809.35	-124.57	1,642.55	1,609.81	32.74	50.163		
5,600.00	5,587.08	5,920.36	5,902.07	20.97	13.40	-62.54	-1,793.24	-145.71	1,621.28	1,587.77	33.51	48.387		
5,700.00	5,686.84	6,028.60	6,005.67	21.35	13.89	-61.89	-1,776.18	-171.98	1,599.54	1,565.25	34.29	46.645		
5,800.00	5,786.59	6,138.61	6,109.89	21.72	14.43	-61.07	-1,758.62	-202.51	1,577.37	1,542.27	35.11	44.930		
5,900.00	5,886.35	6,279.91	6,242.05	22.10	15.17	-59.83	-1,733.33	-245.61	1,553.15	1,517.16	35.99	43.159		
6,000.00	5,986.10	6,390.61	6,344.79	22.48	15.78	-58.77	-1,711.61	-280.61	1,527.60	1,490.74	36.85	41.450		
6,100.00	6,085.86	6,498.76	6,444.63	22.86	16.41	-57.66	-1,689.46	-315.81	1,501.54	1,463.79	37.75	39.780		
6,200.00	6,185.61	6,617.28	6,552.76	23.24	17.15	-56.29	-1,663.80	-356.97	1,474.63	1,435.94	38.69	38.110		
6,300.00	6,285.37	6,737.05	6,660.49	23.62	17.95	-54.72	-1,636.13	-401.38	1,446.80	1,407.11	39.69	36.453		
6,400.00	6,385.12	6,894.65	6,800.68	24.00	19.07	-52.51	-1,594.70	-460.24	1,416.73	1,375.98	40.75	34.765		
6,500.00	6,484.88	7,019.60	6,910.47	24.38	20.02	-50.65	-1,557.11	-506.55	1,383.70	1,341.89	41.80	33.099		
6,600.00	6,584.63	7,140.45	7,016.82	24.76	20.95	-48.84	-1,518.17	-548.69	1,349.52	1,306.67	42.85	31.496		
6,700.00	6,684.39	7,314.45	7,173.22	25.14	22.11	-47.00	-1,454.45	-587.81	1,310.37	1,266.82	43.55	30.090		
6,800.00	6,784.14	7,382.43	7,236.58	25.51	22.43	-46.95	-1,429.97	-588.34	1,270.58	1,226.20	44.38	28.629		
6,900.00	6,883.90	7,443.00	7,293.72	25.89	22.66	-47.29	-1,411.24	-581.39	1,233.41	1,188.21	45.21	27.283		
7,000.00	6,983.65	7,527.02	7,371.87	26.27	22.86	-48.38	-1,388.90	-560.47	1,197.98	1,152.16	45.81	26.149		
7,100.00	7,083.40	7,694.54	7,514.32	26.65	23.10	-52.50	-1,345.77	-484.74	1,159.04	1,113.23	45.81	25.300		
7,200.00	7,183.16	7,786.14	7,582.44	27.03	23.19	-55.77	-1,323.57	-427.80	1,120.37	1,073.85	46.53	24.081		
7,298.28	7,281.20	7,846.88	7,622.72	27.40	23.25	-58.32	-1,309.87	-384.49	1,085.21	1,037.71	47.50	22.848		
7,300.00	7,282.91	7,847.66	7,623.22	27.41	23.25	-59.79	-1,309.70	-383.91	1,084.64	1,037.12	47.52	22.827		
7,350.00	7,332.59	7,868.41	7,636.29	27.61	23.27	-80.98	-1,305.37	-368.38	1,069.00	1,020.95	48.05	22.246		
7,400.00	7,381.62	7,885.29	7,646.69	27.82	23.29	-88.76	-1,302.00	-355.52	1,055.53	1,006.95	48.58	21.728		
7,450.00	7,429.64	7,898.40	7,654.63	28.05	23.30	-93.13	-1,299.48	-345.39	1,044.62	995.55	49.08	21.285		
7,500.00	7,476.29	7,915.00	7,664.50	28.30	23.32	-96.31	-1,296.41	-332.41	1,036.66	987.12	49.54	20.926		
7,550.00	7,521.20	7,915.00	7,664.50	28.56	23.32	-97.74	-1,296.41	-332.41	1,031.79	981.85	49.94	20.659		
7,597.35	7,561.82	7,915.00	7,664.50	28.82	23.32	-98.52	-1,296.41	-332.41	1,030.27	980.00	50.27	20.494		
7,600.00	7,564.03	7,915.00	7,664.50	28.83	23.32	-98.55	-1,296.41	-332.41	1,030.28	979.99	50.29	20.487		
7,650.00	7,604.47	7,915.00	7,664.50	29.13	23.32	-98.84	-1,296.41	-332.41	1,032.15	981.57	50.58	20.405		
7,700.00	7,642.19	7,915.00	7,664.50	29.45	23.32	-98.69	-1,296.41	-332.41	1,037.37	986.54	50.84	20.407		
7,750.00	7,676.92	7,915.00	7,664.50	29.79	23.32	-98.12	-1,296.41	-332.41	1,045.86	994.80	51.06	20.482		
7,800.00	7,708.39	7,915.00	7,664.50	30.17	23.32	-97.15	-1,296.41	-332.41	1,057.47	1,006.19	51.28	20.623		
7,850.00	7,736.35	7,915.00	7,664.50	30.59	23.32	-95.82	-1,296.41	-332.41	1,072.01	1,020.52	51.49	20.818		
7,900.00	7,760.61	7,884.36	7,646.13	31.04	23.29	-92.58	-1,302.19	-356.23	1,088.47	1,036.93	51.54	21.120		
7,950.00	7,780.97	7,872.44	7,638.79	31.53	23.27	-90.05	-1,304.56	-365.33	1,107.42	1,055.72	51.70	21.419		
8,000.00	7,797.27	7,859.18	7,630.51	32.07	23.26	-87.22	-1,307.28	-375.33	1,128.18	1,076.30	51.88	21.744		
8,050.00	7,809.40	7,844.75	7,621.36	32.65	23.25	-84.17	-1,310.33	-386.06	1,150.39	1,098.30	52.09	22.085		
8,100.00	7,817.26	7,821.00	7,606.00	33.27	23.22	-80.64	-1,315.56	-403.39	1,173.76	1,121.51	52.26	22.462		
8,150.00	7,820.79	7,821.00	7,606.00	33.92	23.22	-77.94	-1,315.56	-403.39	1,197.84	1,145.20	52.63	22.759		
8,163.06	7,821.00	7,821.00	7,606.00	34.09	23.22	-77.21	-1,315.56	-403.39	1,204.29	1,151.55	52.73	22.837		
8,200.00	7,821.16	7,821.00	7,606.00	34.60	23.22	-77.21	-1,315.56	-403.39	1,223.05	1,170.02	53.03	23.065		
8,300.00	7,821.60	7,768.22	7,569.80	36.08	23.18	-75.46	-1,327.79	-439.77	1,275.26	1,221.74	53.52	23.828		
8,400.00	7,822.03	7,726.00	7,538.64	37.69	23.14	-74.01	-1,337.95	-466.38	1,332.29	1,278.24	54.06	24.646		
8,500.00	7,822.47	7,726.00	7,538.64	39.43	23.14	-74.01	-1,337.95	-466.38	1,392.67	1,337.84	54.83	25.399		
8,600.00	7,822.90	7,696.15	7,515.59	41.27	23.11	-72.96	-1,345.37	-483.83	1,456.61	1,401.19	55.42	26.284		
8,700.00	7,823.34	7,676.09	7,499.69	43.20	23.08	-72.25	-1,350.48	-494.96	1,523.71	1,467.70	56.01	27.203		
8,800.00	7,823.78	7,632.00	7,463.72	45.21	23.03	-70.70	-1,362.04	-517.65	1,594.22	1,537.77	56.46	28.237		
8,900.00	7,824.21	7,632.00	7,463.72	47.29	23.03	-70.70	-1,362.04	-517.65	1,666.14	1,609.07	57.06	29.198		
9,000.00	7,824.65	7,632.00	7,463.72	49.44	23.03	-70.70	-1,362.04	-517.65	1,740.83	1,683.21	57.61	30.215		
9,100.00	7,825.08	7,632.00	7,463.72	51.63	23.03	-70.70	-1,362.04	-517.65	1,817.95	1,759.84	58.11	31.283		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2252-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		
9,200.00	7,825.52	7,596.99	7,434.05	53.87	22.98	-69.46	-1,371.27	-533.79	1,896.14	1,837.66	58.47	32.427		
9,300.00	7,825.95	7,584.72	7,423.42	56.15	22.96	-69.03	-1,374.44	-539.01	1,976.39	1,917.53	58.86	33.575		
9,400.00	7,826.39	7,573.49	7,413.57	58.47	22.94	-68.63	-1,377.31	-543.60	2,058.14	1,998.92	59.23	34.751		
9,500.00	7,826.82	7,537.00	7,380.95	60.82	22.88	-67.32	-1,386.43	-557.14	2,141.85	2,082.36	59.49	36.006		
9,600.00	7,827.26	7,537.00	7,380.95	63.19	22.88	-67.32	-1,386.43	-557.14	2,225.82	2,165.99	59.82	37.206		
9,700.00	7,827.70	7,537.00	7,380.95	65.59	22.88	-67.32	-1,386.43	-557.14	2,311.07	2,250.93	60.13	38.433		
9,800.00	7,828.13	7,537.00	7,380.95	68.02	22.88	-67.32	-1,386.43	-557.14	2,397.45	2,337.04	60.41	39.684		
9,900.00	7,828.57	7,537.00	7,380.95	70.46	22.88	-67.32	-1,386.43	-557.14	2,484.86	2,424.19	60.67	40.957		
10,000.00	7,829.00	7,537.00	7,380.95	72.92	22.88	-67.32	-1,386.43	-557.14	2,573.19	2,512.28	60.91	42.248		
10,100.00	7,829.44	7,537.00	7,380.95	75.40	22.88	-67.32	-1,386.43	-557.14	2,662.34	2,601.22	61.12	43.557		
10,200.00	7,829.87	7,537.00	7,380.95	77.89	22.88	-67.32	-1,386.43	-557.14	2,752.23	2,690.91	61.32	44.882		
10,300.00	7,830.31	7,537.00	7,380.95	80.40	22.88	-67.32	-1,386.43	-557.14	2,842.81	2,781.30	61.51	46.220		
10,400.00	7,830.75	7,537.00	7,380.95	82.92	22.88	-67.32	-1,386.43	-557.14	2,933.99	2,872.31	61.68	47.570		
10,500.00	7,831.18	7,537.00	7,380.95	85.45	22.88	-67.32	-1,386.43	-557.14	3,025.73	2,963.90	61.84	48.931		
10,600.00	7,831.62	7,537.00	7,380.95	87.99	22.88	-67.32	-1,386.43	-557.14	3,117.98	3,056.00	61.99	50.302		
10,700.00	7,832.05	7,493.99	7,341.47	90.54	22.78	-65.80	-1,397.36	-570.23	3,208.68	3,146.57	62.11	51.663		
10,800.00	7,832.49	7,490.43	7,338.17	93.09	22.77	-65.68	-1,398.30	-571.16	3,301.48	3,239.24	62.24	53.042		
10,900.00	7,832.92	7,487.05	7,335.03	95.66	22.76	-65.56	-1,399.19	-572.02	3,394.66	3,332.29	62.37	54.427		
10,917.50	7,833.00	7,486.48	7,334.50	96.11	22.76	-65.54	-1,399.34	-572.17	3,411.01	3,348.62	62.39	54.670		
10,950.00	7,833.12	7,485.39	7,333.48	96.94	22.76	-68.38	-1,399.63	-572.44	3,441.07	3,378.64	62.43	55.117		
11,000.00	7,833.19	7,443.00	7,293.72	98.21	22.66	-70.43	-1,411.24	-581.39	3,487.81	3,425.33	62.48	55.825		
11,050.00	7,833.13	7,443.00	7,293.72	99.46	22.66	-72.85	-1,411.24	-581.39	3,530.79	3,468.25	62.54	56.458		
11,100.00	7,832.95	7,443.00	7,293.72	100.67	22.66	-74.66	-1,411.24	-581.39	3,571.70	3,509.10	62.59	57.064		
11,118.68	7,832.85	7,443.00	7,293.72	101.11	22.66	-75.23	-1,411.24	-581.39	3,586.39	3,523.79	62.61	57.284		
11,200.00	7,832.38	7,443.00	7,293.72	103.01	22.66	-75.23	-1,411.24	-581.39	3,650.04	3,587.36	62.68	58.230		
11,300.00	7,831.80	7,443.00	7,293.72	105.35	22.66	-75.23	-1,411.24	-581.39	3,729.24	3,666.47	62.77	59.409		
11,400.00	7,831.22	7,443.00	7,293.72	107.70	22.66	-75.23	-1,411.24	-581.39	3,809.42	3,746.57	62.85	60.608		
11,500.00	7,830.64	7,443.00	7,293.72	110.06	22.66	-75.23	-1,411.24	-581.39	3,890.52	3,827.59	62.93	61.823		
11,600.00	7,830.06	7,443.00	7,293.72	112.42	22.66	-75.23	-1,411.24	-581.39	3,972.48	3,909.48	63.00	63.055		
11,613.00	7,829.98	7,443.00	7,293.72	112.73	22.66	-75.23	-1,411.24	-581.39	3,983.19	3,920.18	63.01	63.216		
11,650.00	7,829.74	7,443.00	7,293.72	113.59	22.66	-76.41	-1,411.24	-581.39	4,013.10	3,950.07	63.03	63.671		
11,700.00	7,829.36	7,443.00	7,293.72	114.70	22.66	-77.68	-1,411.24	-581.39	4,051.42	3,988.38	63.04	64.271		
11,750.00	7,828.90	7,443.00	7,293.72	115.74	22.66	-78.69	-1,411.24	-581.39	4,087.15	4,024.13	63.02	64.852		
11,800.00	7,828.37	7,443.00	7,293.72	116.69	22.66	-79.51	-1,411.24	-581.39	4,120.09	4,057.11	62.98	65.417		
11,850.00	7,827.78	7,443.00	7,293.72	117.55	22.66	-80.18	-1,411.24	-581.39	4,150.06	4,087.15	62.91	65.969		
11,900.00	7,827.13	7,443.00	7,293.72	118.32	22.66	-80.73	-1,411.24	-581.39	4,176.89	4,114.09	62.80	66.512		
11,950.00	7,826.41	7,443.00	7,293.72	119.00	22.66	-81.19	-1,411.24	-581.39	4,200.44	4,137.79	62.65	67.046		
12,000.00	7,825.65	7,443.00	7,293.72	119.58	22.66	-81.57	-1,411.24	-581.39	4,220.59	4,158.13	62.46	67.575		
12,050.00	7,824.85	7,443.00	7,293.72	120.06	22.66	-81.89	-1,411.24	-581.39	4,237.23	4,175.01	62.22	68.098		
12,100.00	7,824.00	7,443.00	7,293.72	120.46	22.66	-82.15	-1,411.24	-581.39	4,250.29	4,188.34	61.94	68.614		
12,150.00	7,823.12	7,443.00	7,293.72	120.77	22.66	-82.36	-1,411.24	-581.39	4,259.69	4,198.06	61.63	69.121		
12,200.00	7,822.22	7,443.00	7,293.72	121.00	22.66	-82.52	-1,411.24	-581.39	4,265.38	4,204.11	61.27	69.615		
12,250.00	7,821.30	7,443.00	7,293.72	121.17	22.66	-82.64	-1,411.24	-581.39	4,267.35	4,206.46	60.88	70.090		
12,300.00	7,820.37	7,443.00	7,293.72	121.27	22.66	-82.71	-1,411.24	-581.39	4,265.57	4,205.10	60.47	70.536		
12,350.00	7,819.43	7,443.00	7,293.72	121.33	22.66	-82.73	-1,411.24	-581.39	4,260.06	4,200.01	60.05	70.945		
12,400.00	7,818.49	7,443.00	7,293.72	121.35	22.66	-82.71	-1,411.24	-581.39	4,250.84	4,191.23	59.62	71.303		
12,450.00	7,817.57	7,443.00	7,293.72	121.34	22.66	-82.62	-1,411.24	-581.39	4,237.97	4,178.78	59.19	71.599		
12,500.00	7,816.66	7,443.00	7,293.72	121.31	22.66	-82.48	-1,411.24	-581.39	4,221.50	4,162.72	58.78	71.818		
12,550.00	7,815.77	7,443.00	7,293.72	121.29	22.66	-82.27	-1,411.24	-581.39	4,201.53	4,143.13	58.40	71.948		
12,600.00	7,814.91	7,443.00	7,293.72	121.27	22.66	-81.97	-1,411.24	-581.39	4,178.14	4,120.09	58.05	71.977		
12,650.00	7,814.09	7,443.00	7,293.72	121.27	22.66	-81.57	-1,411.24	-581.39	4,151.47	4,093.73	57.74	71.895		
12,700.00	7,813.32	7,443.00	7,293.72	121.30	22.66	-81.05	-1,411.24	-581.39	4,121.66	4,064.17	57.49	71.696		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 2252-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		
12,750.00	7,812.59	7,443.00	7,293.72	121.36	22.66	-80.37	-1,411.24	-581.39	4,088.86	4,031.58	57.28	71.380		
12,800.00	7,811.92	7,443.00	7,293.72	121.47	22.66	-79.48	-1,411.24	-581.39	4,053.26	3,996.14	57.13	70.949		
12,850.00	7,811.31	7,443.00	7,293.72	121.62	22.66	-78.32	-1,411.24	-581.39	4,015.06	3,958.04	57.02	70.412		
12,900.00	7,810.76	7,443.00	7,293.72	121.82	22.66	-76.77	-1,411.24	-581.39	3,974.48	3,917.52	56.96	69.779		
12,950.00	7,810.28	7,443.00	7,293.72	122.07	22.66	-74.66	-1,411.24	-581.39	3,931.76	3,874.83	56.93	69.067		
13,000.00	7,809.87	7,443.00	7,293.72	122.37	22.66	-71.68	-1,411.24	-581.39	3,887.15	3,830.23	56.92	68.292		
13,050.00	7,809.54	7,443.00	7,293.72	122.72	22.66	-67.27	-1,411.24	-581.39	3,840.94	3,784.02	56.93	67.473		
13,100.00	7,809.28	7,443.00	7,293.72	123.11	22.66	-60.30	-1,411.24	-581.39	3,793.43	3,736.50	56.93	66.628		
13,150.00	7,809.11	7,443.00	7,293.72	123.53	22.66	-48.40	-1,411.24	-581.39	3,744.94	3,688.00	56.94	65.772		
13,200.00	7,809.01	7,443.00	7,293.72	123.98	22.66	-27.13	-1,411.24	-581.39	3,695.80	3,638.87	56.93	64.918		
13,213.90	7,809.00	7,443.00	7,293.72	124.11	22.66	-19.03	-1,411.24	-581.39	3,682.07	3,625.15	56.93	64.682		
13,300.00	7,808.95	7,443.00	7,293.72	124.93	22.66	-19.03	-1,411.24	-581.39	3,597.01	3,540.12	56.89	63.228		
13,400.00	7,808.89	7,443.00	7,293.72	125.92	22.66	-19.03	-1,411.24	-581.39	3,498.27	3,441.42	56.85	61.535		
13,500.00	7,808.82	7,443.00	7,293.72	126.97	22.66	-19.03	-1,411.24	-581.39	3,399.61	3,342.80	56.82	59.836		
13,600.00	7,808.76	7,443.00	7,293.72	128.07	22.66	-19.03	-1,411.24	-581.39	3,301.03	3,244.25	56.79	58.132		
13,700.00	7,808.70	7,443.00	7,293.72	129.22	22.66	-19.03	-1,411.24	-581.39	3,202.54	3,145.78	56.76	56.421		
13,800.00	7,808.64	7,443.00	7,293.72	130.41	22.66	-19.03	-1,411.24	-581.39	3,104.15	3,047.41	56.74	54.704		
13,900.00	7,808.58	7,443.00	7,293.72	131.65	22.66	-19.03	-1,411.24	-581.39	3,005.86	2,949.13	56.74	52.981		
14,000.00	7,808.52	7,443.00	7,293.72	132.93	22.66	-19.03	-1,411.24	-581.39	2,907.69	2,850.95	56.74	51.250		
14,100.00	7,808.45	7,443.00	7,293.72	134.26	22.66	-19.03	-1,411.24	-581.39	2,809.65	2,752.90	56.75	49.512		
14,200.00	7,808.39	7,443.00	7,293.72	135.63	22.66	-19.03	-1,411.24	-581.39	2,711.75	2,654.98	56.77	47.767		
14,300.00	7,808.33	7,443.00	7,293.72	137.04	22.66	-19.03	-1,411.24	-581.39	2,614.01	2,557.20	56.81	46.013		
14,400.00	7,808.27	7,443.00	7,293.72	138.49	22.66	-19.03	-1,411.24	-581.39	2,516.45	2,459.58	56.87	44.250		
14,500.00	7,808.21	7,443.00	7,293.72	139.98	22.66	-19.03	-1,411.24	-581.39	2,419.08	2,362.13	56.95	42.478		
14,600.00	7,808.14	7,443.00	7,293.72	141.51	22.66	-19.03	-1,411.24	-581.39	2,321.94	2,264.89	57.06	40.696		
14,700.00	7,808.08	7,443.00	7,293.72	143.07	22.66	-19.03	-1,411.24	-581.39	2,225.06	2,167.86	57.19	38.903		
14,800.00	7,808.02	7,443.00	7,293.72	144.67	22.66	-19.03	-1,411.24	-581.39	2,128.46	2,071.09	57.37	37.100		
14,900.00	7,807.96	7,443.00	7,293.72	146.30	22.66	-19.03	-1,411.24	-581.39	2,032.19	1,974.59	57.60	35.284		
15,000.00	7,807.90	7,443.00	7,293.72	147.96	22.66	-19.03	-1,411.24	-581.39	1,936.30	1,878.42	57.88	33.456		
15,100.00	7,807.84	7,479.78	7,328.25	149.66	22.75	-21.28	-1,401.13	-573.82	1,839.25	1,780.77	58.48	31.451		
15,200.00	7,807.77	7,485.40	7,333.49	151.38	22.76	-21.64	-1,399.63	-572.44	1,743.76	1,684.79	58.97	29.570		
15,300.00	7,807.71	7,491.54	7,339.20	153.14	22.77	-22.04	-1,398.00	-570.87	1,648.72	1,589.14	59.58	27.674		
15,400.00	7,807.65	7,498.26	7,345.44	154.92	22.79	-22.48	-1,396.24	-569.07	1,554.19	1,493.86	60.33	25.763		
15,500.00	7,807.59	7,537.00	7,380.95	156.73	22.88	-25.14	-1,386.43	-557.14	1,461.48	1,399.92	61.55	23.743		
15,600.00	7,807.53	7,537.00	7,380.95	158.56	22.88	-25.14	-1,386.43	-557.14	1,367.71	1,305.07	62.64	21.833		
15,700.00	7,807.47	7,537.00	7,380.95	160.42	22.88	-25.14	-1,386.43	-557.14	1,274.89	1,210.90	63.99	19.923		
15,800.00	7,807.40	7,537.00	7,380.95	162.31	22.88	-25.14	-1,386.43	-557.14	1,183.25	1,117.59	65.66	18.020		
15,900.00	7,807.34	7,537.00	7,380.95	164.22	22.88	-25.14	-1,386.43	-557.14	1,093.07	1,025.33	67.74	16.137		
16,000.00	7,807.28	7,537.00	7,380.95	166.15	22.88	-25.14	-1,386.43	-557.14	1,004.75	934.43	70.31	14.290		
16,100.00	7,807.22	7,571.57	7,411.88	168.10	22.94	-27.74	-1,377.80	-544.36	917.14	842.98	74.16	12.366		
16,200.00	7,807.16	7,587.66	7,425.98	170.08	22.96	-29.04	-1,373.68	-537.78	832.30	753.66	78.64	10.583		
16,300.00	7,807.10	7,632.00	7,463.72	172.07	23.03	-32.87	-1,362.04	-517.65	751.28	666.16	85.13	8.826		
16,400.00	7,807.03	7,632.00	7,463.72	174.08	23.03	-32.87	-1,362.04	-517.65	671.83	580.03	91.81	7.318		
16,455.46	7,807.00	7,632.00	7,463.72	175.21	23.03	-32.87	-1,362.04	-517.65	630.30	534.18	96.12	6.558 CC, ES, SF		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 54-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	16.07	16.07	0.00	0.02	-179.75	-1,988.52	-8.74	1,988.54					
100.00	100.00	109.24	109.24	0.27	0.25	-179.74	-1,988.91	-9.09	1,988.96	1,988.44	0.52	3,854.526		
200.00	200.00	209.79	209.78	0.63	0.60	-179.75	-1,989.40	-8.72	1,989.44	1,988.21	1.23	1,618.190		
300.00	299.98	308.99	308.98	0.98	0.96	-179.75	-1,989.87	-8.22	1,988.93	1,987.00	1.93	1,030.459		
400.69	400.52	413.10	413.09	1.33	1.33	-55.99	-1,990.33	-7.86	1,986.41	1,983.76	2.66	748.170		
500.00	499.59	509.74	509.73	1.69	1.67	-56.17	-1,990.68	-7.31	1,982.89	1,979.53	3.36	590.618		
600.00	599.35	612.29	612.28	2.06	2.04	-56.37	-1,991.06	-6.57	1,979.37	1,975.28	4.09	484.299		
700.00	699.10	709.67	709.66	2.43	2.39	-56.55	-1,991.42	-6.02	1,975.87	1,971.06	4.80	411.479		
800.00	798.86	807.19	807.17	2.80	2.74	-56.73	-1,991.88	-5.51	1,972.49	1,966.97	5.52	357.370		
900.00	898.61	903.25	903.23	3.18	3.08	-56.90	-1,992.48	-5.02	1,969.28	1,963.05	6.23	315.938		
1,000.00	998.37	999.76	999.73	3.55	3.43	-57.09	-1,993.28	-4.34	1,966.30	1,959.35	6.95	282.948		
1,100.00	1,098.12	1,100.15	1,100.12	3.93	3.79	-57.28	-1,994.16	-3.71	1,963.40	1,955.72	7.68	255.648		
1,200.00	1,197.88	1,202.55	1,202.52	4.31	4.16	-57.47	-1,994.97	-3.12	1,960.43	1,952.01	8.42	232.871		
1,300.00	1,297.63	1,305.21	1,305.17	4.68	4.53	-57.66	-1,995.63	-2.64	1,957.32	1,948.16	9.16	213.723		
1,400.00	1,397.38	1,403.84	1,403.79	5.06	4.88	-57.85	-1,996.20	-2.25	1,954.16	1,944.28	9.88	197.714		
1,500.00	1,497.14	1,506.31	1,506.26	5.44	5.25	-58.04	-1,996.81	-1.77	1,951.05	1,940.43	10.62	183.661		
1,600.00	1,596.89	1,607.20	1,607.15	5.82	5.61	-58.23	-1,997.25	-1.09	1,947.82	1,936.46	11.36	171.510		
1,700.00	1,696.65	1,704.44	1,704.38	6.19	5.96	-58.43	-1,997.71	-0.23	1,944.65	1,932.57	12.08	161.011		
1,800.00	1,796.40	1,805.87	1,805.81	6.57	6.32	-58.64	-1,998.22	0.86	1,941.53	1,928.72	12.81	151.523		
1,900.00	1,896.16	1,907.04	1,906.97	6.95	6.68	-58.84	-1,998.64	1.81	1,938.35	1,924.80	13.55	143.069		
2,000.00	1,995.91	2,008.22	2,008.15	7.33	7.04	-59.05	-1,998.98	2.61	1,935.11	1,920.83	14.28	135.478		
2,100.00	2,095.67	2,107.85	2,107.78	7.71	7.40	-59.25	-1,999.29	3.43	1,931.87	1,916.86	15.01	128.677		
2,200.00	2,195.42	2,211.47	2,211.39	8.09	7.76	-59.45	-1,999.55	4.09	1,928.58	1,912.83	15.75	122.447		
2,300.00	2,295.18	2,313.41	2,313.33	8.46	8.12	-59.64	-1,999.62	4.11	1,925.10	1,908.62	16.48	116.821		
2,400.00	2,394.93	2,414.44	2,414.36	8.84	8.47	-59.82	-1,999.64	4.13	1,921.58	1,904.38	17.20	111.710		
2,500.00	2,494.69	2,513.82	2,513.74	9.22	8.81	-60.00	-1,999.61	4.14	1,918.04	1,900.12	17.92	107.052		
2,600.00	2,594.44	2,612.25	2,612.17	9.60	9.15	-60.18	-1,999.64	4.15	1,914.57	1,895.94	18.63	102.744		
2,700.00	2,694.20	2,713.94	2,713.86	9.98	9.50	-60.36	-1,999.67	4.11	1,911.13	1,891.77	19.35	98.742		
2,800.00	2,793.95	2,813.94	2,813.87	10.36	9.83	-60.54	-1,999.63	4.09	1,907.62	1,887.56	20.06	95.088		
2,900.00	2,893.71	2,912.94	2,912.87	10.74	10.16	-60.73	-1,999.60	4.06	1,904.15	1,883.39	20.77	91.694		
3,000.00	2,993.46	3,014.23	3,014.15	11.12	10.50	-60.91	-1,999.55	3.99	1,900.68	1,879.20	21.48	88.487		
3,100.00	3,093.22	3,112.96	3,112.88	11.49	10.83	-61.09	-1,999.50	3.89	1,897.22	1,875.04	22.19	85.514		
3,200.00	3,192.97	3,212.33	3,212.25	11.87	11.16	-61.27	-1,999.49	3.78	1,893.82	1,870.92	22.90	82.709		
3,300.00	3,292.72	3,312.27	3,312.19	12.25	11.50	-61.45	-1,999.49	3.67	1,890.45	1,866.83	23.61	80.062		
3,400.00	3,392.48	3,413.04	3,412.96	12.63	11.84	-61.64	-1,999.42	3.62	1,887.03	1,862.70	24.33	77.560		
3,500.00	3,492.23	3,510.77	3,510.69	13.01	12.18	-61.82	-1,999.39	3.59	1,883.68	1,858.64	25.04	75.225		
3,600.00	3,591.99	3,609.96	3,609.89	13.39	12.52	-62.02	-1,999.45	3.81	1,880.46	1,854.70	25.76	72.993		
3,700.00	3,691.74	3,711.14	3,711.06	13.77	12.88	-62.21	-1,999.43	3.91	1,877.17	1,850.67	26.49	70.861		
3,800.00	3,791.50	3,807.98	3,807.91	14.15	13.21	-62.39	-1,999.48	3.81	1,873.95	1,846.75	27.20	68.888		
3,900.00	3,891.25	3,906.87	3,906.79	14.53	13.56	-62.57	-1,999.70	3.73	1,870.92	1,842.99	27.93	66.997		
4,000.00	3,991.01	4,011.03	4,010.95	14.90	13.92	-62.77	-1,999.79	3.71	1,867.79	1,839.12	28.66	65.160		
4,100.00	4,090.76	4,111.96	4,111.88	15.28	14.27	-62.96	-1,999.67	3.66	1,864.46	1,835.08	29.39	63.444		
4,200.00	4,190.52	4,212.14	4,212.06	15.66	14.61	-63.15	-1,999.58	3.49	1,861.17	1,831.07	30.11	61.820		
4,300.00	4,290.27	4,312.55	4,312.47	16.04	14.96	-63.34	-1,999.44	3.31	1,857.86	1,827.03	30.83	60.269		
4,400.00	4,390.03	4,413.17	4,413.09	16.42	15.30	-63.53	-1,999.26	3.21	1,854.53	1,822.98	31.55	58.785		
4,500.00	4,489.78	4,510.10	4,510.02	16.80	15.64	-63.72	-1,999.11	3.21	1,851.26	1,819.00	32.26	57.388		
4,600.00	4,589.54	4,614.22	4,614.14	17.18	16.00	-63.93	-1,998.91	3.35	1,848.00	1,815.00	32.99	56.009		
4,700.00	4,689.29	4,708.20	4,708.12	17.56	16.32	-64.12	-1,998.76	3.51	1,844.78	1,811.08	33.70	54.738		
4,800.00	4,789.05	4,808.13	4,808.05	17.94	16.68	-64.32	-1,998.74	3.62	1,841.74	1,807.31	34.43	53.492		
4,900.00	4,888.80	4,907.26	4,907.18	18.31	17.02	-64.51	-1,998.76	3.56	1,838.71	1,803.56	35.15	52.306		
5,000.00	4,988.56	5,006.65	5,006.56	18.69	17.34	-64.68	-1,998.96	3.21	1,835.87	1,800.01	35.85	51.203		
5,100.00	5,088.31	5,085.00	5,084.88	19.07	17.64	-64.78	-2,000.06	1.20	1,833.78	1,797.26	36.53	50.205		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 54-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	5,188.06	5,169.37	5,169.10	19.45	17.93	-64.80	-2,002.26	-3.30	1,832.55	1,795.35	37.19	49.271		
5,300.00	5,287.82	5,294.26	5,293.42	19.83	18.36	-64.68	-2,005.91	-14.53	1,831.12	1,793.12	38.00	48.190		
5,400.00	5,387.57	5,457.19	5,454.93	20.21	18.93	-64.34	-2,007.81	-35.78	1,827.45	1,788.54	38.91	46.969		
5,500.00	5,487.33	5,564.13	5,560.56	20.59	19.30	-64.03	-2,007.09	-52.45	1,821.51	1,781.87	39.65	45.941		
5,600.00	5,587.08	5,668.92	5,663.70	20.97	19.68	-63.66	-2,006.36	-70.96	1,815.31	1,774.92	40.39	44.945		
5,700.00	5,686.84	5,766.08	5,759.01	21.35	20.03	-63.26	-2,005.79	-89.78	1,809.09	1,767.97	41.11	44.001		
5,800.00	5,786.59	5,859.14	5,850.01	21.72	20.37	-62.83	-2,005.70	-109.26	1,803.23	1,761.40	41.83	43.105		
5,900.00	5,886.35	5,952.65	5,940.91	22.10	20.73	-62.32	-2,006.01	-131.17	1,797.65	1,755.09	42.56	42.238		
6,000.00	5,986.10	6,030.00	6,015.93	22.48	21.03	-61.86	-2,007.09	-149.98	1,793.16	1,749.92	43.24	41.470		
6,100.00	6,085.86	6,086.26	6,070.35	22.86	21.25	-61.52	-2,008.91	-164.14	1,790.55	1,746.71	43.84	40.842		
6,162.21	6,147.92	6,124.00	6,106.67	23.10	21.40	-61.26	-2,010.86	-174.20	1,790.14	1,745.92	44.21	40.488		
6,200.00	6,185.61	6,148.95	6,130.59	23.24	21.50	-61.08	-2,012.42	-181.13	1,790.30	1,745.85	44.45	40.277		
6,300.00	6,285.37	6,218.00	6,196.31	23.62	21.78	-60.54	-2,017.50	-201.67	1,791.93	1,746.85	45.08	39.753		
6,400.00	6,385.12	6,294.27	6,268.34	24.00	22.11	-59.90	-2,024.24	-225.84	1,795.22	1,749.48	45.74	39.251		
6,500.00	6,484.88	6,371.57	6,340.98	24.38	22.45	-59.22	-2,032.00	-251.09	1,800.01	1,753.61	46.40	38.791		
6,600.00	6,584.63	6,454.86	6,418.88	24.76	22.83	-58.47	-2,041.15	-279.12	1,806.11	1,759.01	47.10	38.343		
6,700.00	6,684.39	6,535.29	6,493.74	25.14	23.21	-57.71	-2,050.43	-307.00	1,813.24	1,765.44	47.79	37.939		
6,800.00	6,784.14	6,608.10	6,560.65	25.51	23.57	-56.97	-2,059.65	-334.19	1,821.96	1,773.52	48.43	37.619		
6,900.00	6,883.90	6,690.00	6,634.93	25.89	24.00	-56.08	-2,070.71	-366.86	1,832.16	1,783.02	49.14	37.286		
7,000.00	6,983.65	6,784.87	6,719.92	26.27	24.52	-54.98	-2,083.62	-406.98	1,843.28	1,793.33	49.95	36.900		
7,100.00	7,083.40	6,885.16	6,808.54	26.65	25.11	-53.75	-2,096.67	-452.07	1,854.84	1,804.01	50.83	36.489		
7,200.00	7,183.16	6,983.88	6,894.56	27.03	25.73	-52.46	-2,108.69	-498.99	1,866.78	1,815.06	51.72	36.091		
7,298.28	7,281.20	7,059.57	6,959.44	27.40	26.23	-51.43	-2,117.74	-536.90	1,879.60	1,827.17	52.43	35.849		
7,300.00	7,282.91	7,060.87	6,960.55	27.41	26.24	-52.76	-2,117.90	-537.57	1,879.84	1,827.40	52.44	35.845		
7,350.00	7,332.59	7,068.00	6,966.60	27.61	26.29	-70.53	-2,118.76	-541.24	1,887.13	1,834.61	52.52	35.931		
7,400.00	7,381.62	7,068.00	6,966.60	27.82	26.29	-75.24	-2,118.76	-541.24	1,895.40	1,842.87	52.53	36.083		
7,450.00	7,429.64	7,112.37	7,004.90	28.05	26.58	-76.68	-2,125.44	-562.58	1,903.05	1,850.08	52.97	35.927		
7,500.00	7,476.29	7,128.92	7,019.50	28.30	26.68	-77.27	-2,128.60	-569.70	1,911.72	1,858.56	53.17	35.957		
7,550.00	7,521.20	7,582.41	7,452.16	28.56	28.29	-84.06	-2,191.47	-554.76	1,913.14	1,857.06	56.08	34.113		
7,560.15	7,530.07	7,586.14	7,455.52	28.61	28.30	-84.31	-2,191.69	-553.17	1,913.12	1,856.97	56.15	34.070		
7,600.00	7,564.03	7,599.37	7,467.40	28.83	28.32	-85.12	-2,192.52	-547.39	1,913.44	1,857.01	56.43	33.909		
7,650.00	7,604.47	7,612.94	7,479.46	29.13	28.35	-85.82	-2,193.44	-541.24	1,914.79	1,858.00	56.78	33.722		
7,700.00	7,642.19	7,634.00	7,497.94	29.45	28.39	-86.52	-2,194.97	-531.26	1,917.33	1,860.14	57.19	33.526		
7,750.00	7,676.92	7,634.00	7,497.94	29.79	28.39	-86.43	-2,194.97	-531.26	1,920.97	1,863.43	57.54	33.385		
7,800.00	7,708.39	7,634.00	7,497.94	30.17	28.39	-86.15	-2,194.97	-531.26	1,925.86	1,867.94	57.92	33.252		
7,850.00	7,736.35	7,634.00	7,497.94	30.59	28.39	-85.70	-2,194.97	-531.26	1,931.96	1,873.64	58.33	33.122		
7,900.00	7,760.61	7,634.00	7,497.94	31.04	28.39	-85.10	-2,194.97	-531.26	1,939.22	1,880.44	58.78	32.992		
7,950.00	7,780.97	7,634.00	7,497.94	31.53	28.39	-84.35	-2,194.97	-531.26	1,947.56	1,888.29	59.27	32.859		
8,000.00	7,797.27	7,634.00	7,497.94	32.07	28.39	-83.48	-2,194.97	-531.26	1,956.90	1,897.10	59.81	32.721		
8,050.00	7,809.40	7,634.00	7,497.94	32.65	28.39	-82.49	-2,194.97	-531.26	1,967.17	1,906.79	60.38	32.579		
8,100.00	7,817.26	7,634.00	7,497.94	33.27	28.39	-81.39	-2,194.97	-531.26	1,978.27	1,917.27	60.99	32.434		
8,150.00	7,820.79	7,634.00	7,497.94	33.92	28.39	-80.19	-2,194.97	-531.26	1,990.10	1,928.46	61.64	32.288		
8,163.06	7,821.00	7,634.00	7,497.94	34.09	28.39	-79.87	-2,194.97	-531.26	1,993.30	1,931.49	61.81	32.250		
8,200.00	7,821.16	7,599.93	7,467.89	34.60	28.33	-78.98	-2,192.56	-547.14	2,002.02	1,939.92	62.10	32.238		
8,300.00	7,821.60	7,582.52	7,452.26	36.08	28.29	-78.52	-2,191.47	-554.72	2,029.73	1,966.35	63.38	32.027		
8,400.00	7,822.03	7,540.00	7,413.33	37.69	28.21	-77.38	-2,189.24	-571.66	2,062.04	1,997.52	64.52	31.960		
8,500.00	7,822.47	7,540.00	7,413.33	39.43	28.21	-77.38	-2,189.24	-571.66	2,097.53	2,031.60	65.94	31.811		
8,600.00	7,822.90	7,540.00	7,413.33	41.27	28.21	-77.38	-2,189.24	-571.66	2,137.12	2,069.78	67.33	31.739		
8,700.00	7,823.34	7,540.00	7,413.33	43.20	28.21	-77.38	-2,189.24	-571.66	2,180.57	2,111.88	68.69	31.745		
8,800.00	7,823.78	7,540.00	7,413.33	45.21	28.21	-77.38	-2,189.24	-571.66	2,227.67	2,157.68	69.99	31.827		
8,900.00	7,824.21	7,503.99	7,379.53	47.29	28.13	-76.40	-2,187.58	-583.95	2,277.29	2,206.27	71.02	32.065		
9,000.00	7,824.65	7,494.71	7,370.70	49.44	28.11	-76.15	-2,187.15	-586.75	2,330.44	2,258.29	72.15	32.301		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 54-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		
9,100.00	7,825.08	7,486.36	7,362.71	51.63	28.09	-75.92	-2,186.76	-589.15	2,386.49	2,313.28	73.21	32.596		
9,200.00	7,825.52	7,445.00	7,322.65	53.87	28.00	-74.77	-2,184.78	-599.23	2,446.12	2,372.12	73.99	33.058		
9,300.00	7,825.95	7,445.00	7,322.65	56.15	28.00	-74.77	-2,184.78	-599.23	2,507.12	2,432.14	74.98	33.437		
9,400.00	7,826.39	7,445.00	7,322.65	58.47	28.00	-74.77	-2,184.78	-599.23	2,570.57	2,494.67	75.90	33.868		
9,500.00	7,826.82	7,445.00	7,322.65	60.82	28.00	-74.77	-2,184.78	-599.23	2,636.28	2,559.53	76.75	34.348		
9,600.00	7,827.26	7,445.00	7,322.65	63.19	28.00	-74.77	-2,184.78	-599.23	2,704.10	2,626.56	77.54	34.873		
9,700.00	7,827.70	7,445.00	7,322.65	65.59	28.00	-74.77	-2,184.78	-599.23	2,773.86	2,695.59	78.27	35.438		
9,800.00	7,828.13	7,445.00	7,322.65	68.02	28.00	-74.77	-2,184.78	-599.23	2,845.43	2,766.48	78.95	36.041		
9,900.00	7,828.57	7,445.00	7,322.65	70.46	28.00	-74.77	-2,184.78	-599.23	2,918.67	2,839.09	79.58	36.677		
10,000.00	7,829.00	7,445.00	7,322.65	72.92	28.00	-74.77	-2,184.78	-599.23	2,993.46	2,913.31	80.16	37.345		
10,100.00	7,829.44	7,445.00	7,322.65	75.40	28.00	-74.77	-2,184.78	-599.23	3,069.69	2,989.00	80.69	38.042		
10,200.00	7,829.87	7,445.00	7,322.65	77.89	28.00	-74.77	-2,184.78	-599.23	3,147.24	3,066.06	81.19	38.765		
10,300.00	7,830.31	7,445.00	7,322.65	80.40	28.00	-74.77	-2,184.78	-599.23	3,226.04	3,144.39	81.65	39.513		
10,400.00	7,830.75	7,445.00	7,322.65	82.92	28.00	-74.77	-2,184.78	-599.23	3,305.98	3,223.91	82.07	40.282		
10,500.00	7,831.18	7,445.00	7,322.65	85.45	28.00	-74.77	-2,184.78	-599.23	3,386.98	3,304.52	82.46	41.072		
10,600.00	7,831.62	7,445.00	7,322.65	87.99	28.00	-74.77	-2,184.78	-599.23	3,468.98	3,386.15	82.83	41.881		
10,700.00	7,832.05	7,445.00	7,322.65	90.54	28.00	-74.77	-2,184.78	-599.23	3,551.90	3,468.73	83.17	42.707		
10,800.00	7,832.49	7,405.84	7,284.17	93.09	27.89	-73.67	-2,182.35	-605.98	3,634.58	3,551.32	83.26	43.653		
10,900.00	7,832.92	7,403.34	7,281.69	95.66	27.89	-73.60	-2,182.16	-606.32	3,719.01	3,635.46	83.54	44.517		
10,917.50	7,833.00	7,402.92	7,281.27	96.11	27.88	-73.59	-2,182.13	-606.37	3,733.86	3,650.27	83.59	44.669		
10,950.00	7,833.12	7,402.15	7,280.52	96.94	27.88	-74.77	-2,182.07	-606.47	3,761.02	3,677.34	83.68	44.947		
11,000.00	7,833.19	7,401.05	7,279.43	98.21	27.88	-76.21	-2,181.98	-606.62	3,800.96	3,717.15	83.81	45.351		
11,050.00	7,833.13	7,400.03	7,278.42	99.46	27.88	-77.33	-2,181.90	-606.75	3,838.48	3,754.53	83.95	45.725		
11,100.00	7,832.95	7,399.10	7,277.51	100.67	27.87	-78.22	-2,181.83	-606.86	3,873.35	3,789.28	84.07	46.071		
11,118.68	7,832.85	7,398.78	7,277.19	101.11	27.87	-78.51	-2,181.80	-606.90	3,885.66	3,801.54	84.12	46.194		
11,200.00	7,832.38	7,397.44	7,275.86	103.01	27.87	-78.48	-2,181.69	-607.07	3,938.86	3,854.56	84.30	46.724		
11,300.00	7,831.80	7,395.89	7,274.33	105.35	27.87	-78.46	-2,181.56	-607.25	4,005.58	3,921.07	84.51	47.397		
11,400.00	7,831.22	7,394.44	7,272.89	107.70	27.86	-78.43	-2,181.44	-607.42	4,073.65	3,988.95	84.70	48.094		
11,500.00	7,830.64	7,393.07	7,271.53	110.06	27.86	-78.40	-2,181.33	-607.58	4,143.02	4,058.15	84.88	48.813		
11,600.00	7,830.06	7,391.78	7,270.25	112.42	27.85	-78.38	-2,181.22	-607.73	4,213.62	4,128.59	85.03	49.554		
11,613.00	7,829.98	7,391.61	7,270.09	112.73	27.85	-78.37	-2,181.21	-607.75	4,222.88	4,137.83	85.05	49.651		
11,650.00	7,829.74	7,391.17	7,269.66	113.59	27.85	-79.02	-2,181.17	-607.79	4,248.52	4,163.42	85.10	49.925		
11,700.00	7,829.36	7,351.00	7,229.81	114.70	27.74	-79.09	-2,177.18	-610.77	4,281.93	4,197.08	84.86	50.461		
11,750.00	7,828.90	7,351.00	7,229.81	115.74	27.74	-79.73	-2,177.18	-610.77	4,311.03	4,226.15	84.87	50.795		
11,800.00	7,828.37	7,351.00	7,229.81	116.69	27.74	-80.26	-2,177.18	-610.77	4,336.93	4,252.08	84.85	51.113		
11,850.00	7,827.78	7,351.00	7,229.81	117.55	27.74	-80.71	-2,177.18	-610.77	4,359.50	4,274.72	84.79	51.418		
11,900.00	7,827.13	7,351.00	7,229.81	118.32	27.74	-81.07	-2,177.18	-610.77	4,378.63	4,293.96	84.67	51.713		
11,950.00	7,826.41	7,351.00	7,229.81	119.00	27.74	-81.37	-2,177.18	-610.77	4,394.22	4,309.71	84.51	51.999		
12,000.00	7,825.65	7,351.00	7,229.81	119.58	27.74	-81.62	-2,177.18	-610.77	4,406.17	4,321.89	84.28	52.278		
12,050.00	7,824.85	7,351.00	7,229.81	120.06	27.74	-81.81	-2,177.18	-610.77	4,414.44	4,330.44	84.00	52.552		
12,100.00	7,824.00	7,351.00	7,229.81	120.46	27.74	-81.96	-2,177.18	-610.77	4,418.98	4,335.32	83.66	52.820		
12,150.00	7,823.12	7,351.00	7,229.81	120.77	27.74	-82.06	-2,177.18	-610.77	4,419.77	4,336.50	83.26	53.081		
12,200.00	7,822.22	7,351.00	7,229.81	121.00	27.74	-82.11	-2,177.18	-610.77	4,416.79	4,333.98	82.81	53.336		
12,250.00	7,821.30	7,351.00	7,229.81	121.17	27.74	-82.11	-2,177.18	-610.77	4,410.08	4,327.77	82.31	53.580		
12,300.00	7,820.37	7,351.00	7,229.81	121.27	27.74	-82.06	-2,177.18	-610.77	4,399.66	4,317.90	81.76	53.812		
12,350.00	7,819.43	7,351.00	7,229.81	121.33	27.74	-81.95	-2,177.18	-610.77	4,385.59	4,304.41	81.18	54.025		
12,400.00	7,818.49	7,351.00	7,229.81	121.35	27.74	-81.77	-2,177.18	-610.77	4,367.93	4,287.36	80.56	54.216		
12,450.00	7,817.57	7,351.00	7,229.81	121.34	27.74	-81.52	-2,177.18	-610.77	4,346.78	4,266.84	79.94	54.379		
12,500.00	7,816.66	7,392.55	7,271.03	121.31	27.86	-81.81	-2,181.29	-607.64	4,320.68	4,241.08	79.60	54.279		
12,550.00	7,815.77	7,393.19	7,271.66	121.29	27.86	-81.40	-2,181.34	-607.57	4,292.84	4,213.87	78.97	54.359		
12,600.00	7,814.91	7,393.88	7,272.33	121.27	27.86	-80.86	-2,181.40	-607.49	4,261.91	4,183.55	78.36	54.391		
12,650.00	7,814.09	7,394.60	7,273.05	121.27	27.86	-80.15	-2,181.46	-607.41	4,228.03	4,150.27	77.77	54.369		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 3D3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 54-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		
12,700.00	7,813.32	7,395.37	7,273.81	121.30	27.86	-79.23	-2,181.52	-607.32	4,191.42	4,114.21	77.21	54.288		
12,750.00	7,812.59	7,396.17	7,274.60	121.36	27.87	-78.00	-2,181.59	-607.22	4,152.27	4,075.58	76.69	54.144		
12,800.00	7,811.92	7,397.00	7,275.43	121.47	27.87	-76.34	-2,181.66	-607.12	4,110.81	4,034.59	76.22	53.934		
12,850.00	7,811.31	7,397.86	7,276.28	121.62	27.87	-74.05	-2,181.73	-607.02	4,067.31	3,991.50	75.80	53.657		
12,900.00	7,810.76	7,398.75	7,277.16	121.82	27.87	-70.74	-2,181.80	-606.91	4,022.01	3,946.57	75.44	53.311		
12,950.00	7,810.28	7,399.66	7,278.06	122.07	27.88	-65.69	-2,181.87	-606.79	3,975.23	3,900.08	75.15	52.900		
13,000.00	7,809.87	7,400.59	7,278.98	122.37	27.88	-57.40	-2,181.94	-606.67	3,927.25	3,852.34	74.91	52.424		
13,050.00	7,809.54	7,401.53	7,279.91	122.72	27.88	-42.57	-2,182.02	-606.55	3,878.43	3,803.68	74.75	51.887		
13,100.00	7,809.28	7,402.48	7,280.85	123.11	27.88	-15.94	-2,182.09	-606.43	3,829.08	3,754.43	74.65	51.292		
13,150.00	7,809.11	7,403.44	7,281.79	123.53	27.89	18.25	-2,182.17	-606.30	3,779.59	3,704.96	74.63	50.642		
13,200.00	7,809.01	7,404.39	7,282.73	123.98	27.89	42.70	-2,182.24	-606.18	3,730.34	3,655.64	74.69	49.943		
13,213.90	7,809.00	7,445.00	7,322.65	124.11	28.00	49.56	-2,184.78	-599.23	3,718.31	3,643.32	74.99	49.587		
13,300.00	7,808.95	7,445.00	7,322.65	124.93	28.00	49.56	-2,184.78	-599.23	3,634.14	3,558.94	75.20	48.324		
13,400.00	7,808.89	7,445.00	7,322.65	125.92	28.00	49.56	-2,184.78	-599.23	3,536.51	3,461.03	75.48	46.851		
13,500.00	7,808.82	7,445.00	7,322.65	126.97	28.00	49.56	-2,184.78	-599.23	3,439.02	3,363.22	75.79	45.374		
13,600.00	7,808.76	7,445.00	7,322.65	128.07	28.00	49.56	-2,184.78	-599.23	3,341.67	3,265.53	76.14	43.890		
13,700.00	7,808.70	7,445.00	7,322.65	129.22	28.00	49.56	-2,184.78	-599.23	3,244.48	3,167.96	76.52	42.400		
13,800.00	7,808.64	7,445.00	7,322.65	130.41	28.00	49.56	-2,184.78	-599.23	3,147.47	3,070.53	76.94	40.906		
13,900.00	7,808.58	7,445.00	7,322.65	131.65	28.00	49.56	-2,184.78	-599.23	3,050.66	2,973.24	77.42	39.405		
14,000.00	7,808.52	7,445.00	7,322.65	132.93	28.00	49.56	-2,184.78	-599.23	2,954.05	2,876.11	77.94	37.900		
14,100.00	7,808.45	7,445.00	7,322.65	134.26	28.00	49.56	-2,184.78	-599.23	2,857.68	2,779.15	78.53	36.391		
14,200.00	7,808.39	7,445.00	7,322.65	135.63	28.00	49.56	-2,184.78	-599.23	2,761.57	2,682.39	79.18	34.877		
14,300.00	7,808.33	7,445.00	7,322.65	137.04	28.00	49.56	-2,184.78	-599.23	2,665.74	2,585.83	79.91	33.361		
14,400.00	7,808.27	7,445.00	7,322.65	138.49	28.00	49.56	-2,184.78	-599.23	2,570.23	2,489.51	80.72	31.842		
14,500.00	7,808.21	7,445.00	7,322.65	139.98	28.00	49.56	-2,184.78	-599.23	2,475.07	2,393.45	81.63	30.322		
14,600.00	7,808.14	7,445.00	7,322.65	141.51	28.00	49.56	-2,184.78	-599.23	2,380.32	2,297.68	82.64	28.803		
14,700.00	7,808.08	7,445.00	7,322.65	143.07	28.00	49.56	-2,184.78	-599.23	2,286.01	2,202.23	83.78	27.286		
14,800.00	7,808.02	7,445.00	7,322.65	144.67	28.00	49.56	-2,184.78	-599.23	2,192.20	2,107.14	85.06	25.773		
14,900.00	7,807.96	7,445.00	7,322.65	146.30	28.00	49.56	-2,184.78	-599.23	2,098.97	2,012.47	86.49	24.267		
15,000.00	7,807.90	7,445.00	7,322.65	147.96	28.00	49.56	-2,184.78	-599.23	2,006.38	1,918.27	88.11	22.771		
15,100.00	7,807.84	7,445.00	7,322.65	149.66	28.00	49.56	-2,184.78	-599.23	1,914.55	1,824.62	89.93	21.289		
15,200.00	7,807.77	7,445.00	7,322.65	151.38	28.00	49.56	-2,184.78	-599.23	1,823.57	1,731.59	91.98	19.825		
15,300.00	7,807.71	7,481.77	7,358.30	153.14	28.08	51.70	-2,186.54	-590.42	1,732.06	1,637.44	94.62	18.305		
15,400.00	7,807.65	7,489.06	7,365.29	154.92	28.09	52.13	-2,186.88	-588.39	1,642.55	1,545.22	97.33	16.876		
15,500.00	7,807.59	7,497.06	7,372.94	156.73	28.11	52.61	-2,187.26	-586.06	1,554.19	1,453.79	100.40	15.480		
15,600.00	7,807.53	7,505.87	7,381.32	158.56	28.13	53.14	-2,187.67	-583.36	1,467.15	1,363.26	103.89	14.123		
15,700.00	7,807.47	7,540.00	7,413.33	160.42	28.21	55.24	-2,189.24	-571.66	1,382.34	1,274.32	108.02	12.797		
15,800.00	7,807.40	7,540.00	7,413.33	162.31	28.21	55.24	-2,189.24	-571.66	1,298.17	1,185.72	112.45	11.544		
15,900.00	7,807.34	7,540.00	7,413.33	164.22	28.21	55.24	-2,189.24	-571.66	1,216.41	1,098.93	117.48	10.355		
16,000.00	7,807.28	7,540.00	7,413.33	166.15	28.21	55.24	-2,189.24	-571.66	1,137.56	1,014.42	123.14	9.238		
16,100.00	7,807.22	7,569.56	7,440.50	168.10	28.26	57.10	-2,190.73	-560.12	1,061.30	931.44	129.85	8.173		
16,200.00	7,807.16	7,587.67	7,456.90	170.08	28.30	58.26	-2,191.78	-552.52	988.79	851.52	137.26	7.204		
16,300.00	7,807.10	7,607.85	7,474.94	172.07	28.34	59.58	-2,193.09	-543.57	920.54	775.00	145.53	6.325		
16,400.00	7,807.03	7,634.00	7,497.94	174.08	28.39	61.32	-2,194.97	-531.26	857.41	702.73	154.69	5.543		
16,455.46	7,807.00	7,634.00	7,497.94	175.21	28.39	61.32	-2,194.97	-531.26	825.06	665.27	159.79	5.163 CC, ES, SF		



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 80-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	19.91	19.91	0.00	0.02	-179.74	-2,020.56	-9.29	2,020.59					
100.00	100.00	126.05	126.05	0.27	0.26	-179.73	-2,020.37	-9.50	2,020.41	2,019.88	0.53	3,800.236		
200.00	200.00	230.20	230.20	0.63	0.63	-179.73	-2,019.86	-9.68	2,019.91	2,018.65	1.26	1,600.431		
300.00	299.98	331.04	331.04	0.98	0.99	-55.79	-2,019.28	-9.65	2,018.35	2,016.38	1.97	1,024.946		
400.69	400.52	428.22	428.22	1.33	1.34	-55.97	-2,018.75	-9.44	2,014.84	2,012.17	2.67	755.428		
500.00	499.59	527.40	527.39	1.69	1.69	-56.15	-2,018.36	-9.20	2,010.56	2,007.18	3.38	595.403		
600.00	599.35	631.18	631.17	2.06	2.06	-56.33	-2,017.80	-8.92	2,006.13	2,002.02	4.11	488.061		
700.00	699.10	731.77	731.76	2.43	2.42	-56.51	-2,017.12	-8.52	2,001.58	1,996.74	4.84	413.920		
800.00	798.86	828.64	828.63	2.80	2.77	-56.68	-2,016.52	-7.97	1,997.10	1,991.55	5.55	359.934		
900.00	898.61	928.33	928.31	3.18	3.12	-56.87	-2,015.97	-7.36	1,992.72	1,986.44	6.27	317.683		
1,000.00	998.37	1,026.62	1,026.60	3.55	3.47	-57.05	-2,015.46	-6.71	1,988.38	1,981.39	6.99	284.353		
1,100.00	1,098.12	1,125.42	1,125.40	3.93	3.82	-57.24	-2,015.01	-6.03	1,984.13	1,976.42	7.72	257.178		
1,200.00	1,197.88	1,223.93	1,223.90	4.31	4.17	-57.43	-2,014.64	-5.49	1,979.99	1,971.55	8.44	234.665		
1,300.00	1,297.63	1,327.30	1,327.27	4.68	4.54	-57.62	-2,014.14	-4.92	1,975.75	1,966.57	9.18	215.260		
1,400.00	1,397.38	1,426.42	1,426.39	5.06	4.90	-57.81	-2,013.60	-4.36	1,971.47	1,961.57	9.91	199.036		
1,500.00	1,497.14	1,525.67	1,525.64	5.44	5.25	-58.00	-2,013.10	-3.73	1,967.27	1,956.64	10.63	185.028		
1,600.00	1,596.89	1,625.38	1,625.34	5.82	5.61	-58.20	-2,012.56	-2.82	1,963.06	1,951.70	11.36	172.792		
1,700.00	1,696.65	1,724.81	1,724.76	6.19	5.96	-58.40	-2,012.09	-1.79	1,958.93	1,946.84	12.09	162.049		
1,800.00	1,796.40	1,825.35	1,825.30	6.57	6.32	-58.60	-2,011.54	-0.89	1,954.76	1,941.94	12.82	152.469		
1,900.00	1,896.16	1,921.74	1,921.68	6.95	6.67	-58.80	-2,011.06	0.04	1,950.67	1,937.13	13.54	144.085		
2,000.00	1,995.91	2,021.08	2,021.02	7.33	7.02	-59.00	-2,010.75	0.91	1,946.78	1,932.51	14.27	136.461		
2,100.00	2,095.67	2,124.39	2,124.32	7.71	7.39	-59.21	-2,010.29	1.67	1,942.77	1,927.76	15.01	129.442		
2,200.00	2,195.42	2,220.69	2,220.62	8.09	7.73	-59.40	-2,009.79	2.35	1,938.71	1,922.98	15.73	123.268		
2,300.00	2,295.18	2,301.09	2,301.02	8.46	8.01	-59.56	-2,009.83	2.88	1,935.26	1,918.88	16.38	118.136		
2,400.00	2,394.93	2,379.27	2,379.17	8.84	8.28	-59.65	-2,010.93	1.39	1,932.99	1,915.97	17.02	113.589		
2,500.00	2,494.69	2,463.34	2,463.16	9.22	8.55	-59.71	-2,013.04	-1.67	1,931.71	1,914.04	17.67	109.351		
2,600.00	2,594.44	2,557.07	2,556.76	9.60	8.86	-59.75	-2,015.92	-5.62	1,930.97	1,912.62	18.35	105.245		
2,700.00	2,694.20	2,655.52	2,655.05	9.98	9.19	-59.79	-2,019.19	-10.27	1,930.45	1,911.40	19.05	101.346		
2,800.00	2,793.95	2,777.08	2,776.49	10.36	9.59	-59.88	-2,022.75	-14.12	1,929.70	1,909.86	19.83	97.302		
2,900.00	2,893.71	2,912.55	2,911.95	10.74	10.05	-60.12	-2,023.91	-14.23	1,927.00	1,906.34	20.66	93.254		
3,000.00	2,993.46	3,013.88	3,013.27	11.12	10.41	-60.30	-2,023.91	-14.29	1,923.51	1,902.12	21.39	89.924		
3,100.00	3,093.22	3,112.88	3,112.28	11.49	10.75	-60.48	-2,023.90	-14.31	1,920.03	1,897.92	22.11	86.843		
3,200.00	3,192.97	3,214.30	3,213.70	11.87	11.10	-60.67	-2,023.83	-14.33	1,916.52	1,893.68	22.84	83.927		
3,300.00	3,292.72	3,312.98	3,312.38	12.25	11.44	-60.85	-2,023.82	-14.39	1,913.08	1,889.52	23.55	81.225		
3,400.00	3,392.48	3,415.79	3,415.19	12.63	11.80	-61.03	-2,023.63	-14.50	1,909.47	1,885.19	24.28	78.633		
3,500.00	3,492.23	3,511.01	3,510.41	13.01	12.13	-61.20	-2,023.60	-14.67	1,906.04	1,881.06	24.99	76.276		
3,600.00	3,591.99	3,613.46	3,612.86	13.39	12.48	-61.39	-2,023.63	-14.70	1,902.70	1,876.99	25.72	73.986		
3,700.00	3,691.74	3,713.06	3,712.46	13.77	12.83	-61.57	-2,023.43	-14.78	1,899.15	1,872.71	26.44	71.833		
3,800.00	3,791.50	3,808.56	3,807.96	14.15	13.16	-61.75	-2,023.52	-14.82	1,895.91	1,868.76	27.14	69.848		
3,900.00	3,891.25	3,910.65	3,910.05	14.53	13.51	-61.94	-2,023.61	-14.85	1,892.68	1,864.81	27.87	67.912		
4,000.00	3,991.01	4,011.05	4,010.44	14.90	13.86	-62.13	-2,023.58	-14.87	1,889.36	1,860.77	28.60	66.071		
4,100.00	4,090.76	4,111.96	4,111.36	15.28	14.21	-62.32	-2,023.54	-14.83	1,886.06	1,856.73	29.33	64.312		
4,200.00	4,190.52	4,212.33	4,211.73	15.66	14.56	-62.51	-2,023.44	-14.91	1,882.70	1,852.64	30.05	62.643		
4,300.00	4,290.27	4,313.16	4,312.55	16.04	14.92	-62.69	-2,023.32	-15.13	1,879.33	1,848.55	30.78	61.052		
4,400.00	4,390.03	4,415.41	4,414.80	16.42	15.27	-62.88	-2,023.11	-15.40	1,875.89	1,844.37	31.52	59.522		
4,500.00	4,489.78	4,510.05	4,509.44	16.80	15.60	-63.05	-2,022.96	-15.64	1,872.51	1,840.29	32.22	58.110		
4,600.00	4,589.54	4,612.63	4,612.03	17.18	15.96	-63.24	-2,022.88	-15.80	1,869.25	1,836.29	32.96	56.716		
4,700.00	4,689.29	4,707.77	4,707.17	17.56	16.29	-63.43	-2,022.82	-15.81	1,866.04	1,832.37	33.67	55.426		
4,800.00	4,789.05	4,801.00	4,800.39	17.94	16.62	-63.60	-2,023.00	-16.09	1,863.07	1,828.70	34.37	54.212		
4,900.00	4,888.80	4,895.00	4,894.37	18.31	16.94	-63.71	-2,023.92	-18.05	1,860.64	1,825.57	35.07	53.058		
5,000.00	4,988.56	4,972.03	4,971.29	18.69	17.21	-63.75	-2,025.62	-21.70	1,859.04	1,823.33	35.71	52.058		
5,098.62	5,086.93	5,049.31	5,048.34	19.07	17.48	-63.72	-2,028.28	-27.00	1,858.45	1,822.10	36.35	51.132		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C1H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 80-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	5,088.31	5,050.37	5,049.40	19.07	17.48	-63.72	-2,028.32	-27.08	1,858.45	1,822.09	36.35	51.120		
5,200.00	5,188.06	5,138.63	5,137.24	19.45	17.79	-63.65	-2,032.51	-34.41	1,858.92	1,821.89	37.03	50.197		
5,300.00	5,287.82	5,217.47	5,215.61	19.83	18.07	-63.56	-2,036.74	-41.93	1,859.93	1,822.26	37.67	49.370		
5,400.00	5,387.57	5,273.00	5,270.64	20.21	18.26	-63.45	-2,040.75	-48.19	1,862.69	1,824.49	38.21	48.752		
5,500.00	5,487.33	5,368.00	5,364.32	20.59	18.60	-63.20	-2,049.44	-61.30	1,866.91	1,828.00	38.91	47.979		
5,600.00	5,587.08	5,443.08	5,437.87	20.97	18.88	-62.93	-2,057.48	-74.04	1,872.28	1,832.76	39.52	47.371		
5,700.00	5,686.84	5,535.42	5,527.84	21.35	19.22	-62.52	-2,068.12	-91.92	1,878.37	1,838.15	40.22	46.703		
5,800.00	5,786.59	5,636.96	5,626.54	21.72	19.60	-62.04	-2,080.01	-112.59	1,884.66	1,843.70	40.97	46.006		
5,900.00	5,886.35	5,741.91	5,728.46	22.10	20.01	-61.53	-2,092.05	-134.54	1,890.81	1,849.07	41.74	45.303		
6,000.00	5,986.10	5,836.28	5,819.85	22.48	20.39	-61.04	-2,102.89	-155.41	1,897.01	1,854.55	42.46	44.677		
6,100.00	6,085.86	5,912.37	5,893.24	22.86	20.70	-60.62	-2,112.21	-173.20	1,904.05	1,860.96	43.09	44.187		
6,200.00	6,185.61	5,975.03	5,953.47	23.24	20.96	-60.26	-2,120.76	-188.25	1,912.66	1,869.02	43.64	43.829		
6,300.00	6,285.37	6,029.00	6,005.11	23.62	21.19	-59.94	-2,129.24	-201.42	1,923.49	1,879.37	44.12	43.599		
6,400.00	6,385.12	6,084.61	6,058.08	24.00	21.43	-59.61	-2,139.19	-215.11	1,936.66	1,892.07	44.59	43.433		
6,500.00	6,484.88	6,123.00	6,094.49	24.38	21.60	-59.38	-2,146.84	-224.58	1,952.36	1,907.45	44.91	43.469		
6,600.00	6,584.63	6,189.35	6,156.89	24.76	21.90	-58.96	-2,161.53	-241.67	1,970.26	1,924.84	45.43	43.370		
6,700.00	6,684.39	6,249.35	6,212.63	25.14	22.18	-58.55	-2,176.27	-258.28	1,990.53	1,944.65	45.88	43.382		
6,800.00	6,784.14	6,319.81	6,277.52	25.51	22.52	-58.04	-2,194.48	-278.82	2,012.41	1,966.00	46.42	43.355		
6,900.00	6,883.90	6,406.00	6,356.42	25.89	22.96	-57.40	-2,217.37	-304.88	2,035.33	1,988.25	47.09	43.225		
7,000.00	6,983.65	6,498.31	6,440.55	26.27	23.44	-56.70	-2,242.04	-333.77	2,058.78	2,010.97	47.82	43.054		
7,100.00	7,083.40	6,580.10	6,514.56	26.65	23.89	-56.05	-2,264.03	-360.77	2,082.83	2,034.37	48.46	42.978		
7,200.00	7,183.16	6,699.87	6,621.73	27.03	24.58	-55.02	-2,295.63	-403.87	2,107.08	2,057.62	49.46	42.600		
7,298.28	7,281.20	6,771.85	6,685.39	27.40	25.03	-54.36	-2,314.24	-431.83	2,131.09	2,081.05	50.04	42.587		
7,300.00	7,282.91	6,773.17	6,686.55	27.41	25.03	-55.67	-2,314.58	-432.36	2,131.52	2,081.47	50.05	42.587		
7,350.00	7,332.59	6,824.60	6,731.76	27.61	25.36	-72.57	-2,327.92	-452.93	2,144.01	2,093.52	50.50	42.458		
7,400.00	7,381.62	6,882.44	6,782.76	27.82	25.73	-76.54	-2,342.72	-475.85	2,156.22	2,105.19	51.03	42.255		
7,450.00	7,429.64	6,923.54	6,819.01	28.05	26.00	-77.78	-2,353.22	-492.11	2,168.18	2,116.75	51.43	42.157		
7,500.00	7,476.29	6,966.15	6,856.54	28.30	26.27	-78.04	-2,364.21	-509.04	2,179.91	2,128.04	51.87	42.024		
7,550.00	7,521.20	7,017.96	6,902.13	28.56	26.62	-77.93	-2,377.60	-529.70	2,191.24	2,138.80	52.44	41.786		
7,600.00	7,564.03	7,070.92	6,948.74	28.83	26.98	-77.71	-2,391.17	-550.86	2,201.95	2,148.90	53.05	41.505		
7,650.00	7,604.47	7,097.81	6,972.49	29.13	27.16	-77.32	-2,398.22	-561.32	2,212.29	2,158.84	53.45	41.390		
7,700.00	7,642.19	7,125.33	6,996.90	29.45	27.34	-76.91	-2,405.70	-571.58	2,222.46	2,168.56	53.90	41.234		
7,750.00	7,676.92	7,161.00	7,028.71	29.79	27.58	-76.61	-2,415.81	-584.18	2,232.48	2,178.00	54.48	40.977		
7,800.00	7,708.39	7,161.00	7,028.71	30.17	27.58	-75.83	-2,415.81	-584.18	2,242.33	2,187.58	54.75	40.953		
7,850.00	7,736.35	7,161.00	7,028.71	30.59	27.58	-74.99	-2,415.81	-584.18	2,252.42	2,197.34	55.08	40.896		
7,900.00	7,760.61	7,196.24	7,060.41	31.04	27.80	-74.76	-2,426.57	-595.18	2,261.87	2,206.06	55.82	40.523		
7,950.00	7,780.97	7,206.82	7,069.99	31.53	27.87	-74.10	-2,430.01	-598.06	2,271.62	2,215.25	56.37	40.296		
8,000.00	7,797.27	7,215.76	7,078.10	32.07	27.92	-73.41	-2,432.99	-600.34	2,281.31	2,224.33	56.98	40.040		
8,050.00	7,809.40	7,223.08	7,084.75	32.65	27.97	-72.68	-2,435.48	-602.10	2,290.91	2,233.29	57.62	39.758		
8,100.00	7,817.26	7,255.00	7,113.85	33.27	28.16	-72.54	-2,446.83	-608.67	2,300.89	2,242.29	58.60	39.266		
8,150.00	7,820.79	7,255.00	7,113.85	33.92	28.16	-71.66	-2,446.83	-608.67	2,310.10	2,250.83	59.27	38.976		
8,163.06	7,821.00	7,255.00	7,113.85	34.09	28.16	-71.42	-2,446.83	-608.67	2,312.48	2,253.03	59.45	38.897		
8,200.00	7,821.16	7,255.00	7,113.85	34.60	28.16	-71.42	-2,446.83	-608.67	2,319.50	2,259.52	59.98	38.673		
8,300.00	7,821.60	7,255.00	7,113.85	36.08	28.16	-71.42	-2,446.83	-608.67	2,341.32	2,279.86	61.46	38.096		
8,400.00	7,822.03	7,255.00	7,113.85	37.69	28.16	-71.42	-2,446.83	-608.67	2,367.17	2,304.17	63.00	37.577		
8,500.00	7,822.47	7,255.00	7,113.85	39.43	28.16	-71.42	-2,446.83	-608.67	2,396.91	2,332.35	64.56	37.128		
8,600.00	7,822.90	7,255.00	7,113.85	41.27	28.16	-71.42	-2,446.83	-608.67	2,430.41	2,364.28	66.12	36.755		
8,700.00	7,823.34	7,255.00	7,113.85	43.20	28.16	-71.42	-2,446.83	-608.67	2,467.51	2,399.83	67.67	36.462		
8,800.00	7,823.78	7,255.00	7,113.85	45.21	28.16	-71.42	-2,446.83	-608.67	2,508.04	2,438.86	69.19	36.249		
8,900.00	7,824.21	7,255.00	7,113.85	47.29	28.16	-71.42	-2,446.83	-608.67	2,551.86	2,481.20	70.66	36.116		
9,000.00	7,824.65	7,255.00	7,113.85	49.44	28.16	-71.42	-2,446.83	-608.67	2,598.79	2,526.71	72.07	36.058		
9,100.00	7,825.08	7,255.00	7,113.85	51.63	28.16	-71.42	-2,446.83	-608.67	2,648.66	2,575.23	73.43	36.072		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C1H - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 80-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		
9,200.00	7,825.52	7,255.00	7,113.85	53.87	28.16	-71.42	-2,446.83	-608.67	2,701.31	2,626.60	74.72	36.154		
9,300.00	7,825.95	7,255.00	7,113.85	56.15	28.16	-71.42	-2,446.83	-608.67	2,756.59	2,680.65	75.94	36.299		
9,400.00	7,826.39	7,255.00	7,113.85	58.47	28.16	-71.42	-2,446.83	-608.67	2,814.34	2,737.24	77.10	36.504		
9,500.00	7,826.82	7,291.79	7,147.63	60.82	28.35	-72.34	-2,460.44	-613.83	2,873.37	2,794.68	78.70	36.512		
9,600.00	7,827.26	7,293.94	7,149.61	63.19	28.36	-72.39	-2,461.24	-614.05	2,935.46	2,855.71	79.76	36.805		
9,700.00	7,827.70	7,295.91	7,151.43	65.59	28.37	-72.44	-2,461.97	-614.24	2,999.60	2,918.85	80.75	37.145		
9,800.00	7,828.13	7,297.71	7,153.10	68.02	28.38	-72.49	-2,462.64	-614.41	3,065.65	2,983.96	81.69	37.530		
9,900.00	7,828.57	7,299.38	7,154.64	70.46	28.38	-72.53	-2,463.25	-614.56	3,133.49	3,050.94	82.56	37.954		
10,000.00	7,829.00	7,300.92	7,156.06	72.92	28.39	-72.57	-2,463.83	-614.69	3,203.02	3,119.64	83.38	38.416		
10,100.00	7,829.44	7,302.35	7,157.38	75.40	28.40	-72.60	-2,464.36	-614.81	3,274.12	3,189.98	84.14	38.913		
10,200.00	7,829.87	7,303.67	7,158.61	77.89	28.41	-72.64	-2,464.85	-614.92	3,346.70	3,261.84	84.85	39.441		
10,300.00	7,830.31	7,304.91	7,159.76	80.40	28.41	-72.67	-2,465.31	-615.01	3,420.65	3,335.13	85.52	39.998		
10,400.00	7,830.75	7,306.07	7,160.83	82.92	28.42	-72.70	-2,465.74	-615.10	3,495.90	3,409.76	86.14	40.583		
10,500.00	7,831.18	7,307.16	7,161.83	85.45	28.42	-72.72	-2,466.14	-615.18	3,572.37	3,485.64	86.72	41.192		
10,600.00	7,831.62	7,308.17	7,162.77	87.99	28.43	-72.75	-2,466.52	-615.25	3,649.96	3,562.70	87.27	41.825		
10,700.00	7,832.05	7,309.13	7,163.66	90.54	28.43	-72.77	-2,466.88	-615.32	3,728.63	3,640.85	87.78	42.478		
10,800.00	7,832.49	7,350.00	7,201.58	93.09	28.64	-73.80	-2,482.05	-616.40	3,809.76	3,720.95	88.82	42.895		
10,900.00	7,832.92	7,350.00	7,201.58	95.66	28.64	-73.80	-2,482.05	-616.40	3,890.31	3,801.06	89.25	43.589		
10,917.50	7,833.00	7,350.00	7,201.58	96.11	28.64	-73.80	-2,482.05	-616.40	3,904.50	3,815.18	89.32	43.712		
10,950.00	7,833.12	7,350.00	7,201.58	96.94	28.64	-74.82	-2,482.05	-616.40	3,930.39	3,840.93	89.46	43.935		
11,000.00	7,833.19	7,350.00	7,201.58	98.21	28.64	-76.11	-2,482.05	-616.40	3,968.22	3,878.55	89.67	44.252		
11,050.00	7,833.13	7,350.00	7,201.58	99.46	28.64	-77.12	-2,482.05	-616.40	4,003.44	3,913.55	89.89	44.539		
11,100.00	7,832.95	7,350.00	7,201.58	100.67	28.64	-77.94	-2,482.05	-616.40	4,035.84	3,945.75	90.09	44.798		
11,118.68	7,832.85	7,350.00	7,201.58	101.11	28.64	-78.20	-2,482.05	-616.40	4,047.19	3,957.02	90.16	44.888		
11,200.00	7,832.38	7,350.00	7,201.58	103.01	28.64	-78.20	-2,482.05	-616.40	4,096.20	4,005.72	90.47	45.276		
11,300.00	7,831.80	7,350.00	7,201.58	105.35	28.64	-78.20	-2,482.05	-616.40	4,157.85	4,067.02	90.83	45.777		
11,400.00	7,831.22	7,350.00	7,201.58	107.70	28.64	-78.20	-2,482.05	-616.40	4,220.97	4,129.81	91.16	46.304		
11,500.00	7,830.64	7,350.00	7,201.58	110.06	28.64	-78.20	-2,482.05	-616.40	4,285.49	4,194.03	91.46	46.856		
11,600.00	7,830.06	7,350.00	7,201.58	112.42	28.64	-78.20	-2,482.05	-616.40	4,351.36	4,259.62	91.74	47.432		
11,613.00	7,829.98	7,350.00	7,201.58	112.73	28.64	-78.20	-2,482.05	-616.40	4,360.01	4,268.24	91.77	47.509		
11,650.00	7,829.74	7,350.00	7,201.58	113.59	28.64	-78.80	-2,482.05	-616.40	4,383.89	4,292.02	91.86	47.722		
11,700.00	7,829.36	7,350.00	7,201.58	114.70	28.64	-79.47	-2,482.05	-616.40	4,413.52	4,321.55	91.96	47.992		
11,750.00	7,828.90	7,350.00	7,201.58	115.74	28.64	-80.02	-2,482.05	-616.40	4,439.97	4,347.94	92.03	48.244		
11,800.00	7,828.37	7,350.00	7,201.58	116.69	28.64	-80.47	-2,482.05	-616.40	4,463.12	4,371.06	92.06	48.479		
11,850.00	7,827.78	7,350.00	7,201.58	117.55	28.64	-80.85	-2,482.05	-616.40	4,482.83	4,390.78	92.05	48.701		
11,900.00	7,827.13	7,350.00	7,201.58	118.32	28.64	-81.16	-2,482.05	-616.40	4,498.99	4,407.01	91.98	48.911		
11,950.00	7,826.41	7,350.00	7,201.58	119.00	28.64	-81.41	-2,482.05	-616.40	4,511.53	4,419.67	91.86	49.111		
12,000.00	7,825.65	7,350.00	7,201.58	119.58	28.64	-81.61	-2,482.05	-616.40	4,520.38	4,428.69	91.68	49.304		
12,050.00	7,824.85	7,350.00	7,201.58	120.06	28.64	-81.76	-2,482.05	-616.40	4,525.49	4,434.04	91.44	49.490		
12,100.00	7,824.00	7,350.00	7,201.58	120.46	28.64	-81.86	-2,482.05	-616.40	4,526.83	4,435.69	91.14	49.670		
12,150.00	7,823.12	7,350.00	7,201.58	120.77	28.64	-81.92	-2,482.05	-616.40	4,524.41	4,433.64	90.77	49.842		
12,200.00	7,822.22	7,350.00	7,201.58	121.00	28.64	-81.92	-2,482.05	-616.40	4,518.23	4,427.88	90.35	50.007		
12,250.00	7,821.30	7,350.00	7,201.58	121.17	28.64	-81.88	-2,482.05	-616.40	4,508.33	4,418.45	89.88	50.161		
12,300.00	7,820.37	7,350.00	7,201.58	121.27	28.64	-81.77	-2,482.05	-616.40	4,494.75	4,405.39	89.35	50.303		
12,350.00	7,819.43	7,350.00	7,201.58	121.33	28.64	-81.60	-2,482.05	-616.40	4,477.56	4,388.77	88.79	50.429		
12,400.00	7,818.49	7,350.00	7,201.58	121.35	28.64	-81.36	-2,482.05	-616.40	4,456.87	4,368.67	88.19	50.534		
12,450.00	7,817.57	7,350.00	7,201.58	121.34	28.64	-81.02	-2,482.05	-616.40	4,432.76	4,345.18	87.58	50.615		
12,500.00	7,816.66	7,350.00	7,201.58	121.31	28.64	-80.57	-2,482.05	-616.40	4,405.38	4,318.43	86.95	50.665		
12,550.00	7,815.77	7,350.00	7,201.58	121.29	28.64	-79.99	-2,482.05	-616.40	4,374.88	4,288.55	86.32	50.680		
12,600.00	7,814.91	7,350.00	7,201.58	121.27	28.64	-79.22	-2,482.05	-616.40	4,341.42	4,255.71	85.71	50.654		
12,650.00	7,814.09	7,350.00	7,201.58	121.27	28.64	-78.23	-2,482.05	-616.40	4,305.18	4,220.07	85.11	50.582		
12,700.00	7,813.32	7,350.00	7,201.58	121.30	28.64	-76.92	-2,482.05	-616.40	4,266.39	4,181.84	84.55	50.460		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 80-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		
12,750.00	7,812.59	7,350.00	7,201.58	121.36	28.64	-75.16	-2,482.05	-616.40	4,225.27	4,141.24	84.03	50.285		
12,800.00	7,811.92	7,350.00	7,201.58	121.47	28.64	-72.75	-2,482.05	-616.40	4,182.07	4,098.51	83.55	50.053		
12,850.00	7,811.31	7,350.00	7,201.58	121.62	28.64	-69.30	-2,482.05	-616.40	4,137.05	4,053.91	83.14	49.762		
12,900.00	7,810.76	7,350.00	7,201.58	121.82	28.64	-64.14	-2,482.05	-616.40	4,090.51	4,007.72	82.78	49.411		
12,950.00	7,810.28	7,350.00	7,201.58	122.07	28.64	-55.89	-2,482.05	-616.40	4,042.75	3,960.25	82.50	49.002		
13,000.00	7,809.87	7,350.00	7,201.58	122.37	28.64	-41.79	-2,482.05	-616.40	3,994.10	3,911.81	82.30	48.534		
13,050.00	7,809.54	7,350.00	7,201.58	122.72	28.64	-17.83	-2,482.05	-616.40	3,944.91	3,862.74	82.17	48.009		
13,100.00	7,809.28	7,350.00	7,201.58	123.11	28.64	13.22	-2,482.05	-616.40	3,895.53	3,813.39	82.13	47.431		
13,150.00	7,809.11	7,350.00	7,201.58	123.53	28.64	37.64	-2,482.05	-616.40	3,846.34	3,764.15	82.18	46.801		
13,200.00	7,809.01	7,350.00	7,201.58	123.98	28.64	52.09	-2,482.05	-616.40	3,797.73	3,715.39	82.34	46.124		
13,213.90	7,809.00	7,350.00	7,201.58	124.11	28.64	54.89	-2,482.05	-616.40	3,784.37	3,701.98	82.40	45.928		
13,300.00	7,808.95	7,350.00	7,201.58	124.93	28.64	54.89	-2,482.05	-616.40	3,701.97	3,619.15	82.82	44.700		
13,400.00	7,808.89	7,350.00	7,201.58	125.92	28.64	54.89	-2,482.05	-616.40	3,606.48	3,523.13	83.35	43.269		
13,500.00	7,808.82	7,350.00	7,201.58	126.97	28.64	54.89	-2,482.05	-616.40	3,511.25	3,427.31	83.93	41.834		
13,600.00	7,808.76	7,350.00	7,201.58	128.07	28.64	54.89	-2,482.05	-616.40	3,416.28	3,331.71	84.57	40.395		
13,700.00	7,808.70	7,350.00	7,201.58	129.22	28.64	54.89	-2,482.05	-616.40	3,321.61	3,236.34	85.27	38.954		
13,800.00	7,808.64	7,350.00	7,201.58	130.41	28.64	54.89	-2,482.05	-616.40	3,227.27	3,141.23	86.04	37.510		
13,900.00	7,808.58	7,350.00	7,201.58	131.65	28.64	54.89	-2,482.05	-616.40	3,133.27	3,046.39	86.88	36.065		
14,000.00	7,808.52	7,350.00	7,201.58	132.93	28.64	54.89	-2,482.05	-616.40	3,039.66	2,951.86	87.80	34.621		
14,100.00	7,808.45	7,389.17	7,238.19	134.26	28.78	56.91	-2,495.82	-614.41	2,945.20	2,855.63	89.56	32.884		
14,200.00	7,808.39	7,391.15	7,240.04	135.63	28.78	57.01	-2,496.47	-614.23	2,852.34	2,761.60	90.74	31.436		
14,300.00	7,808.33	7,393.28	7,242.05	137.04	28.79	57.12	-2,497.17	-614.04	2,759.98	2,667.95	92.03	29.991		
14,400.00	7,808.27	7,395.58	7,244.21	138.49	28.80	57.24	-2,497.93	-613.81	2,668.16	2,574.71	93.44	28.554		
14,500.00	7,808.21	7,398.09	7,246.57	139.98	28.81	57.37	-2,498.74	-613.56	2,576.94	2,481.93	95.00	27.125		
14,600.00	7,808.14	7,400.82	7,249.14	141.51	28.82	57.51	-2,499.62	-613.27	2,486.38	2,389.66	96.72	25.708		
14,700.00	7,808.08	7,403.81	7,251.96	143.07	28.83	57.66	-2,500.57	-612.94	2,396.56	2,297.95	98.60	24.305		
14,800.00	7,808.02	7,407.10	7,255.05	144.67	28.84	57.83	-2,501.61	-612.56	2,307.56	2,206.88	100.68	22.919		
14,900.00	7,807.96	7,444.00	7,289.86	146.30	28.97	59.73	-2,512.47	-606.94	2,220.34	2,116.63	103.70	21.411		
15,000.00	7,807.90	7,444.00	7,289.86	147.96	28.97	59.73	-2,512.47	-606.94	2,133.08	2,026.91	106.16	20.092		
15,100.00	7,807.84	7,444.00	7,289.86	149.66	28.97	59.73	-2,512.47	-606.94	2,046.99	1,938.12	108.86	18.803		
15,200.00	7,807.77	7,444.00	7,289.86	151.38	28.97	59.73	-2,512.47	-606.94	1,962.21	1,850.39	111.83	17.547		
15,300.00	7,807.71	7,444.00	7,289.86	153.14	28.97	59.73	-2,512.47	-606.94	1,878.94	1,763.87	115.07	16.328		
15,400.00	7,807.65	7,444.00	7,289.86	154.92	28.97	59.73	-2,512.47	-606.94	1,797.37	1,678.75	118.62	15.152		
15,500.00	7,807.59	7,444.00	7,289.86	156.73	28.97	59.73	-2,512.47	-606.94	1,717.76	1,595.26	122.50	14.023		
15,600.00	7,807.53	7,444.00	7,289.86	158.56	28.97	59.73	-2,512.47	-606.94	1,640.37	1,513.66	126.71	12.945		
15,700.00	7,807.47	7,444.00	7,289.86	160.42	28.97	59.73	-2,512.47	-606.94	1,565.55	1,434.27	131.28	11.925		
15,800.00	7,807.40	7,475.61	7,319.63	162.31	29.05	61.35	-2,520.82	-600.40	1,493.08	1,355.87	137.21	10.882		
15,900.00	7,807.34	7,489.48	7,332.65	164.22	29.08	62.06	-2,524.27	-597.11	1,423.99	1,281.00	142.99	9.959		
16,000.00	7,807.28	7,505.70	7,347.85	166.15	29.12	62.89	-2,528.14	-592.94	1,358.48	1,209.26	149.22	9.104		
16,100.00	7,807.22	7,524.89	7,365.75	168.10	29.17	63.87	-2,532.48	-587.57	1,297.01	1,141.15	155.86	8.322		
16,200.00	7,807.16	7,539.00	7,378.86	170.08	29.21	64.59	-2,535.50	-583.31	1,240.10	1,077.49	162.60	7.626		
16,300.00	7,807.10	7,539.00	7,378.86	172.07	29.21	64.59	-2,535.50	-583.31	1,188.77	1,019.78	168.99	7.035		
16,400.00	7,807.03	7,571.60	7,408.71	174.08	29.27	66.24	-2,542.41	-572.20	1,142.83	966.38	176.45	6.477		
16,455.46	7,807.00	7,581.10	7,417.26	175.21	29.28	66.72	-2,544.45	-568.59	1,120.35	940.13	180.22	6.217 CC, ES, SF		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 60-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	15.19	15.19	0.00	0.02	-179.74	-2,301.43	-10.41	2,301.46							
100.00	100.00	95.06	95.06	0.27	0.19	-179.74	-2,301.91	-10.29	2,302.06	2,301.60	0.46	5,007.890				
200.00	200.00	180.49	180.48	0.63	0.50	-179.75	-2,303.16	-10.23	2,303.51	2,302.38	1.12	2,049.337				
300.00	299.98	283.76	283.74	0.98	0.87	-55.77	-2,304.84	-10.27	2,304.15	2,302.31	1.84	1,251.892				
400.69	400.52	390.70	390.67	1.33	1.25	-55.91	-2,306.33	-10.26	2,302.58	2,300.01	2.58	893.915				
500.00	499.59	488.63	488.59	1.69	1.61	-56.05	-2,307.52	-10.19	2,299.90	2,296.61	3.28	700.314				
600.00	599.35	587.36	587.30	2.06	1.96	-56.20	-2,308.86	-10.00	2,297.35	2,293.35	4.00	574.098				
700.00	699.10	689.66	689.59	2.43	2.33	-56.36	-2,310.19	-9.74	2,294.77	2,290.03	4.73	484.645				
800.00	798.86	794.90	794.84	2.80	2.71	-56.52	-2,311.38	-9.46	2,292.02	2,286.54	5.48	418.219				
900.00	898.61	897.95	897.87	3.18	3.08	-56.67	-2,312.33	-9.21	2,289.08	2,282.86	6.22	368.076				
1,000.00	998.37	996.74	996.66	3.55	3.43	-56.82	-2,313.20	-9.08	2,286.13	2,279.18	6.94	329.257				
1,100.00	1,098.12	1,097.04	1,096.96	3.93	3.79	-56.97	-2,314.11	-9.04	2,283.20	2,275.53	7.67	297.539				
1,200.00	1,197.88	1,198.25	1,198.17	4.31	4.15	-57.12	-2,314.97	-9.05	2,280.24	2,271.83	8.41	271.211				
1,300.00	1,297.63	1,300.72	1,300.63	4.68	4.52	-57.27	-2,315.77	-9.07	2,277.22	2,268.07	9.15	248.977				
1,400.00	1,397.38	1,399.32	1,399.23	5.06	4.87	-57.41	-2,316.45	-9.17	2,274.12	2,264.25	9.87	230.379				
1,500.00	1,497.14	1,497.92	1,497.83	5.44	5.23	-57.55	-2,317.24	-9.38	2,271.15	2,260.56	10.60	214.340				
1,600.00	1,596.89	1,600.36	1,600.26	5.82	5.59	-57.70	-2,318.03	-9.64	2,268.16	2,256.83	11.33	200.113				
1,700.00	1,696.65	1,700.85	1,700.75	6.19	5.95	-57.84	-2,318.70	-9.87	2,265.09	2,253.02	12.07	187.722				
1,800.00	1,796.40	1,799.86	1,799.76	6.57	6.31	-57.99	-2,319.37	-10.01	2,262.04	2,249.24	12.79	176.812				
1,900.00	1,896.16	1,902.20	1,902.10	6.95	6.68	-58.14	-2,320.02	-10.05	2,258.96	2,245.43	13.53	166.920				
2,000.00	1,995.91	2,001.01	2,000.91	7.33	7.03	-58.29	-2,320.62	-10.00	2,255.87	2,241.61	14.26	158.189				
2,100.00	2,095.67	2,101.17	2,101.07	7.71	7.39	-58.44	-2,321.22	-9.93	2,252.80	2,237.81	14.99	150.258				
2,200.00	2,195.42	2,205.94	2,205.83	8.09	7.76	-58.61	-2,321.84	-9.81	2,249.73	2,234.00	15.74	142.944				
2,300.00	2,295.18	2,313.77	2,313.66	8.46	8.14	-58.77	-2,321.94	-9.77	2,246.18	2,229.69	16.49	136.242				
2,400.00	2,394.93	2,414.70	2,414.59	8.84	8.48	-58.93	-2,321.95	-9.71	2,242.56	2,225.36	17.20	130.354				
2,500.00	2,494.69	2,513.30	2,513.19	9.22	8.82	-59.08	-2,321.92	-9.73	2,238.93	2,221.01	17.91	124.982				
2,600.00	2,594.44	2,612.56	2,612.45	9.60	9.17	-59.23	-2,321.97	-9.72	2,235.38	2,216.74	18.64	119.932				
2,700.00	2,694.20	2,714.49	2,714.38	9.98	9.52	-59.39	-2,321.97	-9.69	2,231.80	2,212.44	19.36	115.258				
2,800.00	2,793.95	2,813.19	2,813.08	10.36	9.85	-59.54	-2,321.93	-9.69	2,228.20	2,208.13	20.07	111.013				
2,900.00	2,893.71	2,913.90	2,913.79	10.74	10.19	-59.70	-2,321.91	-9.71	2,224.63	2,203.84	20.79	107.015				
3,000.00	2,993.46	3,012.69	3,012.58	11.12	10.53	-59.85	-2,321.88	-9.71	2,221.07	2,199.58	21.50	103.319				
3,100.00	3,093.22	3,114.34	3,114.23	11.49	10.87	-60.01	-2,321.82	-9.65	2,217.50	2,195.29	22.22	99.812				
3,200.00	3,192.97	3,212.11	3,212.00	11.87	11.21	-60.17	-2,321.77	-9.56	2,213.96	2,191.04	22.93	96.570				
3,300.00	3,292.72	3,311.07	3,310.96	12.25	11.55	-60.33	-2,321.79	-9.49	2,210.51	2,186.86	23.65	93.473				
3,400.00	3,392.48	3,411.50	3,411.39	12.63	11.91	-60.49	-2,321.80	-9.44	2,207.06	2,182.68	24.38	90.541				
3,500.00	3,492.23	3,513.36	3,513.25	13.01	12.26	-60.65	-2,321.79	-9.43	2,203.60	2,178.50	25.11	87.775				
3,600.00	3,591.99	3,615.34	3,615.23	13.39	12.61	-60.81	-2,321.58	-9.43	2,199.97	2,174.14	25.83	85.184				
3,700.00	3,691.74	3,712.93	3,712.82	13.77	12.93	-60.97	-2,321.47	-9.44	2,196.45	2,169.92	26.53	82.795				
3,800.00	3,791.50	3,816.07	3,815.96	14.15	13.28	-61.13	-2,321.33	-9.52	2,192.90	2,165.65	27.25	80.472				
3,900.00	3,891.25	3,915.08	3,914.97	14.53	13.61	-61.29	-2,321.03	-9.49	2,189.23	2,161.27	27.96	78.297				
4,000.00	3,991.01	4,011.81	4,011.70	14.90	13.94	-61.45	-2,320.91	-9.52	2,185.75	2,157.08	28.66	76.254				
4,100.00	4,090.76	4,109.87	4,109.76	15.28	14.28	-61.60	-2,320.87	-9.52	2,182.36	2,152.99	29.38	74.289				
4,200.00	4,190.52	4,210.36	4,210.25	15.66	14.62	-61.77	-2,320.88	-9.50	2,179.04	2,148.94	30.10	72.392				
4,300.00	4,290.27	4,304.77	4,304.66	16.04	14.95	-61.92	-2,320.93	-9.61	2,175.78	2,144.97	30.80	70.633				
4,400.00	4,390.03	4,384.49	4,384.38	16.42	15.23	-62.03	-2,321.44	-10.09	2,173.08	2,141.62	31.46	69.074				
4,500.00	4,489.78	4,459.17	4,459.03	16.80	15.49	-62.12	-2,322.86	-11.42	2,171.50	2,139.41	32.10	67.653				
4,582.18	4,571.76	4,520.00	4,519.80	17.11	15.71	-62.16	-2,324.75	-13.22	2,171.09	2,138.48	32.62	66.563				
4,600.00	4,589.54	4,533.39	4,533.17	17.18	15.75	-62.17	-2,325.26	-13.71	2,171.11	2,138.38	32.73	66.334				
4,700.00	4,689.29	4,614.00	4,613.59	17.56	16.04	-62.19	-2,329.05	-17.72	2,171.94	2,138.56	33.38	65.063				
4,800.00	4,789.05	4,679.74	4,679.05	17.94	16.27	-62.17	-2,333.08	-22.18	2,173.97	2,140.00	33.97	63.992				
4,900.00	4,888.80	4,748.67	4,747.56	18.31	16.52	-62.12	-2,338.26	-27.80	2,177.32	2,142.75	34.57	62.984				
5,000.00	4,988.56	4,817.32	4,815.64	18.69	16.76	-62.05	-2,344.54	-34.04	2,182.18	2,147.02	35.16	62.066				

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 60-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	5,088.31	4,896.00	4,893.48	19.07	17.05	-61.94	-2,352.74	-41.98	2,188.23	2,152.44	35.79	61.142		
5,200.00	5,188.06	4,961.62	4,958.22	19.45	17.29	-61.84	-2,360.48	-49.37	2,195.53	2,159.18	36.36	60.391		
5,300.00	5,287.82	5,043.33	5,038.56	19.83	17.59	-61.67	-2,371.29	-59.60	2,204.16	2,167.16	37.00	59.579		
5,400.00	5,387.57	5,123.23	5,116.96	20.21	17.89	-61.49	-2,382.32	-70.40	2,213.35	2,175.72	37.63	58.825		
5,500.00	5,487.33	5,180.00	5,172.47	20.59	18.11	-61.35	-2,390.87	-78.65	2,223.89	2,185.75	38.13	58.323		
5,600.00	5,587.08	5,246.73	5,237.44	20.97	18.37	-61.16	-2,402.07	-89.00	2,236.08	2,197.39	38.68	57.807		
5,700.00	5,686.84	5,303.93	5,292.79	21.35	18.59	-60.98	-2,412.85	-98.51	2,250.19	2,211.02	39.17	57.446		
5,800.00	5,786.59	5,369.00	5,355.31	21.72	18.86	-60.74	-2,426.42	-110.40	2,266.17	2,226.47	39.70	57.087		
5,900.00	5,886.35	5,417.09	5,401.18	22.10	19.06	-60.55	-2,437.34	-119.84	2,283.95	2,243.84	40.11	56.944		
6,000.00	5,986.10	5,464.00	5,445.66	22.48	19.26	-60.35	-2,448.71	-129.49	2,303.65	2,263.15	40.50	56.887		
6,100.00	6,085.86	5,558.00	5,534.38	22.86	19.67	-59.95	-2,472.79	-149.10	2,324.67	2,283.47	41.20	56.418		
6,200.00	6,185.61	5,632.37	5,604.41	23.24	20.01	-59.64	-2,492.46	-164.57	2,346.56	2,304.78	41.78	56.167		
6,300.00	6,285.37	5,708.46	5,675.90	23.62	20.36	-59.31	-2,512.98	-180.65	2,369.16	2,326.79	42.37	55.922		
6,400.00	6,385.12	5,777.44	5,740.42	24.00	20.69	-59.02	-2,532.24	-195.61	2,392.82	2,349.93	42.90	55.778		
6,500.00	6,484.88	5,840.00	5,798.57	24.38	21.00	-58.73	-2,550.45	-209.77	2,417.80	2,374.42	43.38	55.736		
6,600.00	6,584.63	5,923.37	5,875.54	24.76	21.42	-58.33	-2,575.42	-229.86	2,443.77	2,399.74	44.03	55.508		
6,700.00	6,684.39	5,990.96	5,937.49	25.14	21.78	-57.98	-2,596.15	-247.19	2,470.64	2,426.10	44.55	55.461		
6,800.00	6,784.14	6,053.52	5,994.43	25.51	22.12	-57.65	-2,616.01	-263.83	2,498.79	2,453.77	45.02	55.498		
6,900.00	6,883.90	6,123.00	6,057.15	25.89	22.51	-57.27	-2,639.00	-282.93	2,528.41	2,482.85	45.56	55.498		
7,000.00	6,983.65	6,164.11	6,093.95	26.27	22.75	-57.04	-2,653.15	-294.59	2,559.50	2,513.66	45.84	55.831		
7,100.00	7,083.40	6,217.00	6,140.85	26.65	23.06	-56.73	-2,672.07	-310.08	2,592.32	2,546.10	46.22	56.085		
7,200.00	7,183.16	6,266.16	6,184.02	27.03	23.37	-56.44	-2,690.32	-324.92	2,626.77	2,580.21	46.56	56.414		
7,298.28	7,281.20	6,320.66	6,231.43	27.40	23.71	-56.11	-2,711.23	-341.80	2,662.12	2,615.18	46.95	56.704		
7,300.00	7,282.91	6,322.15	6,232.71	27.41	23.72	-57.41	-2,711.81	-342.26	2,662.75	2,615.79	46.96	56.703		
7,350.00	7,332.59	6,365.75	6,270.51	27.61	24.00	-73.82	-2,728.76	-355.87	2,681.13	2,633.80	47.32	56.658		
7,400.00	7,381.62	6,411.58	6,310.23	27.82	24.30	-77.28	-2,746.61	-370.14	2,699.50	2,651.77	47.73	56.562		
7,450.00	7,429.64	6,469.92	6,360.88	28.05	24.69	-77.91	-2,769.21	-388.27	2,717.57	2,669.29	48.28	56.288		
7,500.00	7,476.29	6,525.64	6,409.34	28.30	25.07	-77.61	-2,790.59	-405.54	2,735.12	2,686.28	48.84	56.007		
7,550.00	7,521.20	6,578.02	6,455.01	28.56	25.43	-76.97	-2,810.59	-421.62	2,752.09	2,702.70	49.39	55.721		
7,600.00	7,564.03	6,614.26	6,486.63	28.83	25.68	-76.11	-2,824.41	-432.67	2,768.50	2,718.68	49.82	55.565		
7,650.00	7,604.47	6,642.86	6,511.51	29.13	25.88	-75.13	-2,835.47	-441.42	2,784.54	2,734.32	50.22	55.444		
7,700.00	7,642.19	6,670.49	6,535.47	29.45	26.07	-74.13	-2,846.29	-449.92	2,800.15	2,749.49	50.65	55.280		
7,750.00	7,676.92	6,703.06	6,563.64	29.79	26.31	-73.21	-2,859.20	-459.97	2,815.24	2,764.06	51.18	55.002		
7,800.00	7,708.39	6,747.55	6,602.11	30.17	26.63	-72.51	-2,876.82	-473.72	2,829.58	2,777.69	51.89	54.530		
7,850.00	7,736.35	6,792.52	6,641.02	30.59	26.95	-71.92	-2,894.55	-487.62	2,843.09	2,790.43	52.66	53.989		
7,900.00	7,760.61	6,849.69	6,690.68	31.04	27.37	-71.64	-2,916.80	-505.20	2,855.65	2,802.03	53.62	53.257		
7,950.00	7,780.97	6,873.48	6,711.41	31.53	27.55	-70.95	-2,925.91	-512.45	2,867.32	2,813.01	54.31	52.797		
8,000.00	7,797.27	6,906.75	6,740.39	32.07	27.79	-70.49	-2,938.71	-522.61	2,878.30	2,823.14	55.16	52.183		
8,050.00	7,809.40	6,923.93	6,755.33	32.65	27.92	-69.82	-2,945.37	-527.86	2,888.72	2,832.81	55.91	51.672		
8,100.00	7,817.26	6,938.72	6,768.17	33.27	28.03	-69.17	-2,951.14	-532.40	2,898.52	2,841.84	56.68	51.135		
8,150.00	7,820.79	6,951.03	6,778.84	33.92	28.12	-68.53	-2,955.97	-536.18	2,907.71	2,850.23	57.49	50.581		
8,163.06	7,821.00	6,953.82	6,781.26	34.09	28.14	-68.36	-2,957.06	-537.04	2,910.01	2,852.31	57.70	50.435		
8,200.00	7,821.16	6,971.00	6,796.14	34.60	28.27	-68.69	-2,963.85	-542.33	2,916.67	2,858.26	58.41	49.935		
8,300.00	7,821.60	6,985.95	6,809.08	36.08	28.38	-68.98	-2,969.77	-546.92	2,936.74	2,876.66	60.08	48.879		
8,400.00	7,822.03	7,012.82	6,832.36	37.69	28.59	-69.49	-2,980.42	-555.05	2,959.80	2,897.83	61.98	47.758		
8,500.00	7,822.47	7,038.71	6,854.85	39.43	28.78	-69.98	-2,990.69	-562.74	2,985.77	2,921.85	63.93	46.706		
8,600.00	7,822.90	7,066.00	6,878.60	41.27	28.99	-70.50	-3,001.53	-570.70	3,014.60	2,948.66	65.94	45.716		
8,700.00	7,823.34	7,085.24	6,895.35	43.20	29.13	-70.86	-3,009.20	-576.25	3,046.22	2,978.33	67.89	44.870		
8,800.00	7,823.78	7,106.29	6,913.67	45.21	29.29	-71.26	-3,017.62	-582.29	3,080.57	3,010.70	69.87	44.090		
8,900.00	7,824.21	7,127.14	6,931.80	47.29	29.45	-71.66	-3,026.01	-588.25	3,117.56	3,045.71	71.84	43.393		
9,000.00	7,824.65	7,160.00	6,960.37	49.44	29.70	-72.28	-3,039.31	-597.59	3,157.13	3,083.17	73.96	42.690		
9,100.00	7,825.08	7,160.00	6,960.37	51.63	29.70	-72.28	-3,039.31	-597.59	3,199.11	3,123.49	75.62	42.303		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 60-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		
9,200.00	7,825.52	7,160.00	6,960.37	53.87	29.70	-72.28	-3,039.31	-597.59	3,243.64	3,166.39	77.25	41.990		
9,300.00	7,825.95	7,160.00	6,960.37	56.15	29.70	-72.28	-3,039.31	-597.59	3,290.60	3,211.78	78.82	41.748		
9,400.00	7,826.39	7,160.00	6,960.37	58.47	29.70	-72.28	-3,039.31	-597.59	3,339.89	3,259.55	80.34	41.572		
9,500.00	7,826.82	7,160.00	6,960.37	60.82	29.70	-72.28	-3,039.31	-597.59	3,391.42	3,309.62	81.80	41.459		
9,600.00	7,827.26	7,196.05	6,991.85	63.19	29.97	-72.97	-3,054.17	-606.92	3,444.30	3,360.58	83.72	41.140		
9,700.00	7,827.70	7,201.37	6,996.52	65.59	30.01	-73.07	-3,056.40	-608.15	3,499.73	3,414.57	85.15	41.099		
9,800.00	7,828.13	7,206.36	7,000.91	68.02	30.04	-73.16	-3,058.49	-609.27	3,557.07	3,470.55	86.53	41.110		
9,900.00	7,828.57	7,211.05	7,005.04	70.46	30.08	-73.25	-3,060.47	-610.28	3,616.25	3,528.41	87.84	41.170		
10,000.00	7,829.00	7,215.46	7,008.93	72.92	30.11	-73.34	-3,062.34	-611.22	3,677.16	3,588.08	89.09	41.276		
10,100.00	7,829.44	7,254.00	7,043.01	75.40	30.39	-74.08	-3,078.90	-618.21	3,740.50	3,649.71	90.80	41.196		
10,200.00	7,829.87	7,254.00	7,043.01	77.89	30.39	-74.08	-3,078.90	-618.21	3,804.50	3,712.62	91.88	41.407		
10,300.00	7,830.31	7,254.00	7,043.01	80.40	30.39	-74.08	-3,078.90	-618.21	3,870.02	3,777.11	92.91	41.653		
10,400.00	7,830.75	7,254.00	7,043.01	82.92	30.39	-74.08	-3,078.90	-618.21	3,936.99	3,843.10	93.89	41.933		
10,500.00	7,831.18	7,254.00	7,043.01	85.45	30.39	-74.08	-3,078.90	-618.21	4,005.34	3,910.53	94.82	42.244		
10,600.00	7,831.62	7,254.00	7,043.01	87.99	30.39	-74.08	-3,078.90	-618.21	4,075.00	3,979.30	95.70	42.583		
10,700.00	7,832.05	7,254.00	7,043.01	90.54	30.39	-74.08	-3,078.90	-618.21	4,145.90	4,049.37	96.53	42.949		
10,800.00	7,832.49	7,254.00	7,043.01	93.09	30.39	-74.08	-3,078.90	-618.21	4,217.97	4,120.65	97.32	43.340		
10,900.00	7,832.92	7,254.00	7,043.01	95.66	30.39	-74.08	-3,078.90	-618.21	4,291.17	4,193.10	98.07	43.755		
10,917.50	7,833.00	7,254.00	7,043.01	96.11	30.39	-74.08	-3,078.90	-618.21	4,304.09	4,205.89	98.20	43.830		
10,950.00	7,833.12	7,254.00	7,043.01	96.94	30.39	-74.88	-3,078.90	-618.21	4,327.56	4,229.12	98.44	43.963		
11,000.00	7,833.19	7,254.00	7,043.01	98.21	30.39	-75.90	-3,078.90	-618.21	4,361.41	4,262.59	98.81	44.139		
11,050.00	7,833.13	7,254.00	7,043.01	99.46	30.39	-76.73	-3,078.90	-618.21	4,392.34	4,293.15	99.19	44.283		
11,100.00	7,832.95	7,254.00	7,043.01	100.67	30.39	-77.40	-3,078.90	-618.21	4,420.19	4,320.63	99.56	44.398		
11,118.68	7,832.85	7,254.00	7,043.01	101.11	30.39	-77.62	-3,078.90	-618.21	4,429.77	4,330.08	99.69	44.433		
11,200.00	7,832.38	7,254.00	7,043.01	103.01	30.39	-77.62	-3,078.90	-618.21	4,471.06	4,370.78	100.28	44.588		
11,300.00	7,831.80	7,254.00	7,043.01	105.35	30.39	-77.62	-3,078.90	-618.21	4,523.31	4,422.35	100.96	44.805		
11,400.00	7,831.22	7,254.00	7,043.01	107.70	30.39	-77.62	-3,078.90	-618.21	4,577.15	4,475.55	101.60	45.051		
11,500.00	7,830.64	7,254.00	7,043.01	110.06	30.39	-77.62	-3,078.90	-618.21	4,632.52	4,530.31	102.21	45.325		
11,600.00	7,830.06	7,254.00	7,043.01	112.42	30.39	-77.62	-3,078.90	-618.21	4,689.37	4,586.59	102.78	45.625		
11,613.00	7,829.98	7,254.00	7,043.01	112.73	30.39	-77.62	-3,078.90	-618.21	4,696.87	4,594.02	102.85	45.666		
11,650.00	7,829.74	7,254.00	7,043.01	113.59	30.39	-78.12	-3,078.90	-618.21	4,717.37	4,614.32	103.05	45.778		
11,700.00	7,829.36	7,254.00	7,043.01	114.70	30.39	-78.69	-3,078.90	-618.21	4,742.23	4,638.94	103.29	45.910		
11,750.00	7,828.90	7,254.00	7,043.01	115.74	30.39	-79.15	-3,078.90	-618.21	4,763.71	4,660.20	103.51	46.023		
11,800.00	7,828.37	7,254.00	7,043.01	116.69	30.39	-79.53	-3,078.90	-618.21	4,781.68	4,678.00	103.68	46.119		
11,850.00	7,827.78	7,254.00	7,043.01	117.55	30.39	-79.84	-3,078.90	-618.21	4,796.06	4,692.25	103.81	46.200		
11,900.00	7,827.13	7,254.00	7,043.01	118.32	30.39	-80.08	-3,078.90	-618.21	4,806.75	4,702.87	103.88	46.270		
11,950.00	7,826.41	7,254.00	7,043.01	119.00	30.39	-80.27	-3,078.90	-618.21	4,813.71	4,709.81	103.90	46.330		
12,000.00	7,825.65	7,254.00	7,043.01	119.58	30.39	-80.39	-3,078.90	-618.21	4,816.90	4,713.05	103.85	46.381		
12,050.00	7,824.85	7,254.00	7,043.01	120.06	30.39	-80.46	-3,078.90	-618.21	4,816.30	4,712.56	103.74	46.425		
12,100.00	7,824.00	7,254.00	7,043.01	120.46	30.39	-80.48	-3,078.90	-618.21	4,811.92	4,708.36	103.57	46.462		
12,150.00	7,823.12	7,298.07	7,082.45	120.77	30.67	-80.91	-3,097.87	-623.24	4,802.18	4,698.09	104.08	46.137		
12,200.00	7,822.22	7,300.67	7,084.80	121.00	30.68	-80.84	-3,098.97	-623.42	4,790.11	4,686.28	103.83	46.135		
12,250.00	7,821.30	7,303.25	7,087.13	121.17	30.70	-80.70	-3,100.07	-623.59	4,774.37	4,670.86	103.52	46.122		
12,300.00	7,820.37	7,305.82	7,089.45	121.27	30.72	-80.49	-3,101.16	-623.75	4,755.05	4,651.90	103.15	46.097		
12,350.00	7,819.43	7,349.00	7,128.67	121.33	30.99	-80.69	-3,119.17	-624.54	4,733.65	4,630.24	103.41	45.774		
12,400.00	7,818.49	7,349.00	7,128.67	121.35	30.99	-80.27	-3,119.17	-624.54	4,707.33	4,604.40	102.93	45.732		
12,450.00	7,817.57	7,349.00	7,128.67	121.34	30.99	-79.71	-3,119.17	-624.54	4,677.82	4,575.39	102.43	45.669		
12,500.00	7,816.66	7,349.00	7,128.67	121.31	30.99	-78.99	-3,119.17	-624.54	4,645.28	4,543.37	101.91	45.582		
12,550.00	7,815.77	7,349.00	7,128.67	121.29	30.99	-78.05	-3,119.17	-624.54	4,609.89	4,508.50	101.39	45.468		
12,600.00	7,814.91	7,349.00	7,128.67	121.27	30.99	-76.82	-3,119.17	-624.54	4,571.86	4,470.98	100.87	45.322		
12,650.00	7,814.09	7,349.00	7,128.67	121.27	30.99	-75.17	-3,119.17	-624.54	4,531.41	4,431.03	100.38	45.142		
12,700.00	7,813.32	7,349.00	7,128.67	121.30	30.99	-72.93	-3,119.17	-624.54	4,488.80	4,388.88	99.92	44.924		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 60-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		
12,750.00	7,812.59	7,349.00	7,128.67	121.36	30.99	-69.76	-3,119.17	-624.54	4,444.30	4,344.79	99.50	44.666		
12,800.00	7,811.92	7,349.00	7,128.67	121.47	30.99	-65.10	-3,119.17	-624.54	4,398.18	4,299.04	99.13	44.366		
12,850.00	7,811.31	7,349.00	7,128.67	121.62	30.99	-57.80	-3,119.17	-624.54	4,350.75	4,251.92	98.83	44.022		
12,900.00	7,810.76	7,349.00	7,128.67	121.82	30.99	-45.62	-3,119.17	-624.54	4,302.34	4,203.74	98.60	43.635		
12,950.00	7,810.28	7,349.00	7,128.67	122.07	30.99	-24.81	-3,119.17	-624.54	4,253.28	4,154.84	98.45	43.205		
13,000.00	7,809.87	7,349.00	7,128.67	122.37	30.99	4.86	-3,119.17	-624.54	4,203.95	4,105.57	98.38	42.731		
13,050.00	7,809.54	7,349.00	7,128.67	122.72	30.99	31.60	-3,119.17	-624.54	4,154.70	4,056.28	98.41	42.218		
13,100.00	7,809.28	7,349.00	7,128.67	123.11	30.99	48.34	-3,119.17	-624.54	4,105.92	4,007.37	98.54	41.666		
13,150.00	7,809.11	7,349.00	7,128.67	123.53	30.99	58.12	-3,119.17	-624.54	4,058.00	3,959.22	98.78	41.080		
13,200.00	7,809.01	7,349.00	7,128.67	123.98	30.99	64.17	-3,119.17	-624.54	4,011.36	3,912.23	99.14	40.463		
13,213.90	7,809.00	7,349.00	7,128.67	124.11	30.99	65.43	-3,119.17	-624.54	3,998.68	3,899.43	99.25	40.287		
13,300.00	7,808.95	7,349.00	7,128.67	124.93	30.99	65.43	-3,119.17	-624.54	3,920.68	3,820.63	100.05	39.189		
13,400.00	7,808.89	7,349.00	7,128.67	125.92	30.99	65.43	-3,119.17	-624.54	3,830.52	3,729.49	101.03	37.914		
13,500.00	7,808.82	7,349.00	7,128.67	126.97	30.99	65.43	-3,119.17	-624.54	3,740.87	3,638.77	102.09	36.642		
13,600.00	7,808.76	7,349.00	7,128.67	128.07	30.99	65.43	-3,119.17	-624.54	3,651.75	3,548.51	103.24	35.373		
13,700.00	7,808.70	7,349.00	7,128.67	129.22	30.99	65.43	-3,119.17	-624.54	3,563.21	3,458.74	104.47	34.109		
13,800.00	7,808.64	7,349.00	7,128.67	130.41	30.99	65.43	-3,119.17	-624.54	3,475.29	3,369.50	105.79	32.851		
13,900.00	7,808.58	7,349.00	7,128.67	131.65	30.99	65.43	-3,119.17	-624.54	3,388.05	3,280.84	107.21	31.602		
14,000.00	7,808.52	7,349.00	7,128.67	132.93	30.99	65.43	-3,119.17	-624.54	3,301.52	3,192.79	108.74	30.363		
14,100.00	7,808.45	7,349.00	7,128.67	134.26	30.99	65.43	-3,119.17	-624.54	3,215.78	3,105.40	110.37	29.135		
14,200.00	7,808.39	7,349.00	7,128.67	135.63	30.99	65.43	-3,119.17	-624.54	3,130.88	3,018.75	112.13	27.921		
14,300.00	7,808.33	7,349.00	7,128.67	137.04	30.99	65.43	-3,119.17	-624.54	3,046.90	2,932.89	114.01	26.724		
14,400.00	7,808.27	7,349.00	7,128.67	138.49	30.99	65.43	-3,119.17	-624.54	2,963.92	2,847.89	116.03	25.544		
14,500.00	7,808.21	7,349.00	7,128.67	139.98	30.99	65.43	-3,119.17	-624.54	2,882.01	2,763.83	118.19	24.385		
14,600.00	7,808.14	7,349.00	7,128.67	141.51	30.99	65.43	-3,119.17	-624.54	2,801.28	2,680.80	120.49	23.250		
14,700.00	7,808.08	7,349.00	7,128.67	143.07	30.99	65.43	-3,119.17	-624.54	2,721.83	2,598.89	122.94	22.139		
14,800.00	7,808.02	7,349.00	7,128.67	144.67	30.99	65.43	-3,119.17	-624.54	2,643.78	2,518.22	125.56	21.056		
14,900.00	7,807.96	7,349.00	7,128.67	146.30	30.99	65.43	-3,119.17	-624.54	2,567.25	2,438.91	128.34	20.004		
15,000.00	7,807.90	7,349.00	7,128.67	147.96	30.99	65.43	-3,119.17	-624.54	2,492.38	2,361.10	131.28	18.985		
15,100.00	7,807.84	7,349.00	7,128.67	149.66	30.99	65.43	-3,119.17	-624.54	2,419.33	2,284.93	134.40	18.001		
15,200.00	7,807.77	7,349.00	7,128.67	151.38	30.99	65.43	-3,119.17	-624.54	2,348.26	2,210.58	137.69	17.055		
15,300.00	7,807.71	7,349.00	7,128.67	153.14	30.99	65.43	-3,119.17	-624.54	2,279.37	2,138.23	141.14	16.149		
15,400.00	7,807.65	7,349.00	7,128.67	154.92	30.99	65.43	-3,119.17	-624.54	2,212.85	2,068.09	144.76	15.286		
15,500.00	7,807.59	7,349.00	7,128.67	156.73	30.99	65.43	-3,119.17	-624.54	2,148.93	2,000.41	148.53	14.468		
15,600.00	7,807.53	7,349.00	7,128.67	158.56	30.99	65.43	-3,119.17	-624.54	2,087.85	1,935.42	152.43	13.697		
15,700.00	7,807.47	7,349.00	7,128.67	160.42	30.99	65.43	-3,119.17	-624.54	2,029.85	1,873.41	156.44	12.975		
15,800.00	7,807.40	7,349.00	7,128.67	162.31	30.99	65.43	-3,119.17	-624.54	1,975.22	1,814.68	160.54	12.304		
15,900.00	7,807.34	7,349.00	7,128.67	164.22	30.99	65.43	-3,119.17	-624.54	1,924.23	1,759.55	164.69	11.684		
16,000.00	7,807.28	7,349.00	7,128.67	166.15	30.99	65.43	-3,119.17	-624.54	1,877.20	1,708.36	168.84	11.118		
16,100.00	7,807.22	7,349.00	7,128.67	168.10	30.99	65.43	-3,119.17	-624.54	1,834.41	1,661.46	172.95	10.607		
16,200.00	7,807.16	7,349.00	7,128.67	170.08	30.99	65.43	-3,119.17	-624.54	1,796.18	1,619.23	176.95	10.151		
16,300.00	7,807.10	7,349.00	7,128.67	172.07	30.99	65.43	-3,119.17	-624.54	1,762.79	1,582.02	180.78	9.751		
16,400.00	7,807.03	7,349.00	7,128.67	174.08	30.99	65.43	-3,119.17	-624.54	1,734.54	1,550.17	184.37	9.408		
16,455.46	7,807.00	7,349.00	7,128.67	175.21	30.99	65.43	-3,119.17	-624.54	1,721.18	1,534.94	186.23	9.242 CC, ES, SF		



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<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4D2H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 60-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	16.11	16.11	0.00	0.02	-179.74	-2,269.74	-10.12	2,269.76					
100.00	100.00	104.80	104.80	0.27	0.22	-179.75	-2,270.12	-9.79	2,270.18	2,269.69	0.49	4,604.186		
200.00	200.00	203.02	203.02	0.63	0.58	-179.76	-2,270.83	-9.64	2,270.91	2,269.71	1.20	1,888.949		
300.00	299.98	306.76	306.76	0.98	0.95	-55.80	-2,271.47	-9.54	2,270.54	2,268.62	1.92	1,181.993		
400.69	400.52	409.09	409.08	1.33	1.31	-55.96	-2,271.97	-9.45	2,268.07	2,265.43	2.64	859.076		
500.00	499.59	509.46	509.45	1.69	1.67	-56.11	-2,272.41	-9.35	2,264.61	2,261.25	3.36	674.594		
600.00	599.35	611.13	611.12	2.06	2.04	-56.26	-2,272.78	-9.19	2,261.07	2,256.99	4.08	553.538		
700.00	699.10	711.61	711.60	2.43	2.40	-56.41	-2,273.08	-9.08	2,257.49	2,252.68	4.81	469.228		
800.00	798.86	811.47	811.46	2.80	2.75	-56.56	-2,273.37	-9.11	2,253.91	2,248.37	5.54	407.197		
900.00	898.61	912.90	912.89	3.18	3.11	-56.71	-2,273.62	-9.24	2,250.29	2,244.03	6.26	359.286		
1,000.00	998.37	1,014.26	1,014.25	3.55	3.47	-56.85	-2,273.81	-9.47	2,246.64	2,239.65	6.99	321.409		
1,100.00	1,098.12	1,115.54	1,115.53	3.93	3.83	-57.00	-2,273.90	-9.56	2,242.90	2,235.18	7.72	290.565		
1,200.00	1,197.88	1,215.12	1,215.11	4.31	4.18	-57.15	-2,273.97	-9.62	2,239.16	2,230.72	8.44	265.193		
1,300.00	1,297.63	1,313.13	1,313.12	4.68	4.53	-57.29	-2,274.08	-9.71	2,235.48	2,226.31	9.16	243.961		
1,400.00	1,397.38	1,415.55	1,415.54	5.06	4.90	-57.45	-2,274.21	-9.75	2,231.82	2,221.92	9.90	225.422		
1,500.00	1,497.14	1,515.36	1,515.35	5.44	5.25	-57.60	-2,274.23	-9.73	2,228.08	2,217.45	10.63	209.666		
1,600.00	1,596.89	1,616.88	1,616.86	5.82	5.60	-57.75	-2,274.23	-9.79	2,224.33	2,212.98	11.35	195.969		
1,700.00	1,696.65	1,715.29	1,715.28	6.19	5.94	-57.90	-2,274.22	-9.93	2,220.58	2,208.52	12.06	184.102		
1,800.00	1,796.40	1,814.36	1,814.35	6.57	6.29	-58.05	-2,274.25	-9.96	2,216.89	2,204.11	12.78	173.444		
1,900.00	1,896.16	1,912.75	1,912.74	6.95	6.64	-58.20	-2,274.34	-9.92	2,213.28	2,199.77	13.50	163.902		
2,000.00	1,995.91	2,013.32	2,013.31	7.33	6.99	-58.36	-2,274.43	-9.92	2,209.68	2,195.45	14.24	155.221		
2,100.00	2,095.67	2,114.30	2,114.29	7.71	7.35	-58.52	-2,274.48	-9.94	2,206.06	2,191.09	14.97	147.404		
2,200.00	2,195.42	2,214.45	2,214.43	8.09	7.70	-58.67	-2,274.48	-9.85	2,202.41	2,186.72	15.68	140.415		
2,300.00	2,295.18	2,314.24	2,314.23	8.46	8.04	-58.83	-2,274.47	-9.82	2,198.77	2,182.37	16.40	134.055		
2,400.00	2,394.93	2,413.97	2,413.96	8.84	8.38	-58.99	-2,274.47	-9.74	2,195.14	2,178.02	17.12	128.220		
2,500.00	2,494.69	2,514.48	2,514.47	9.22	8.73	-59.15	-2,274.45	-9.74	2,191.53	2,173.69	17.84	122.857		
2,600.00	2,594.44	2,614.06	2,614.05	9.60	9.07	-59.30	-2,274.42	-9.74	2,187.90	2,169.35	18.55	117.951		
2,700.00	2,694.20	2,714.26	2,714.25	9.98	9.40	-59.46	-2,274.38	-9.71	2,184.29	2,165.03	19.26	113.396		
2,800.00	2,793.95	2,814.02	2,814.01	10.36	9.74	-59.62	-2,274.33	-9.71	2,180.69	2,160.72	19.97	109.179		
2,900.00	2,893.71	2,912.75	2,912.74	10.74	10.08	-59.78	-2,274.30	-9.70	2,177.12	2,156.44	20.69	105.238		
3,000.00	2,993.46	3,012.09	3,012.07	11.12	10.43	-59.94	-2,274.31	-9.67	2,173.61	2,152.20	21.41	101.522		
3,100.00	3,093.22	3,109.13	3,109.11	11.49	10.77	-60.09	-2,274.39	-9.69	2,170.19	2,148.06	22.13	98.079		
3,200.00	3,192.97	3,211.23	3,211.21	11.87	11.13	-60.26	-2,274.46	-9.60	2,166.78	2,143.92	22.86	94.784		
3,300.00	3,292.72	3,309.42	3,309.41	12.25	11.47	-60.42	-2,274.55	-9.59	2,163.39	2,139.81	23.58	91.747		
3,400.00	3,392.48	3,411.03	3,411.02	12.63	11.83	-60.58	-2,274.62	-9.63	2,160.01	2,135.70	24.31	88.845		
3,500.00	3,492.23	3,512.71	3,512.70	13.01	12.18	-60.74	-2,274.58	-9.63	2,156.53	2,131.50	25.04	86.131		
3,600.00	3,591.99	3,612.11	3,612.09	13.39	12.52	-60.90	-2,274.53	-9.74	2,153.05	2,127.30	25.75	83.604		
3,700.00	3,691.74	3,712.02	3,712.01	13.77	12.87	-61.06	-2,274.50	-9.86	2,149.61	2,123.14	26.47	81.205		
3,800.00	3,791.50	3,817.64	3,817.63	14.15	13.23	-61.23	-2,274.34	-9.89	2,146.08	2,118.87	27.21	78.881		
3,900.00	3,891.25	3,915.09	3,915.08	14.53	13.56	-61.40	-2,273.95	-9.88	2,142.32	2,114.40	27.92	76.741		
4,000.00	3,991.01	4,010.19	4,010.18	14.90	13.89	-61.55	-2,273.90	-9.91	2,138.91	2,110.29	28.62	74.731		
4,100.00	4,090.76	4,110.40	4,110.39	15.28	14.24	-61.72	-2,273.89	-9.91	2,135.57	2,106.22	29.34	72.775		
4,200.00	4,190.52	4,210.60	4,210.59	15.66	14.58	-61.88	-2,273.85	-9.91	2,132.21	2,102.14	30.07	70.918		
4,300.00	4,290.27	4,311.85	4,311.83	16.04	14.93	-62.05	-2,273.78	-9.98	2,128.84	2,098.05	30.79	69.140		
4,400.00	4,390.03	4,411.32	4,411.31	16.42	15.27	-62.21	-2,273.66	-10.09	2,125.44	2,093.93	31.51	67.455		
4,500.00	4,489.78	4,512.37	4,512.35	16.80	15.62	-62.38	-2,273.54	-10.15	2,122.04	2,089.81	32.23	65.835		
4,600.00	4,589.54	4,611.65	4,611.63	17.18	15.97	-62.54	-2,273.39	-10.26	2,118.64	2,085.69	32.95	64.294		
4,700.00	4,689.29	4,685.19	4,685.17	17.56	16.22	-62.65	-2,273.78	-10.74	2,115.87	2,082.28	33.59	62.994		
4,800.00	4,789.05	4,749.21	4,749.17	17.94	16.45	-62.73	-2,275.09	-11.84	2,114.53	2,080.34	34.19	61.853		
4,822.23	4,811.22	4,762.49	4,762.43	18.02	16.49	-62.74	-2,275.53	-12.15	2,114.48	2,080.17	34.31	61.620		
4,900.00	4,888.80	4,811.32	4,811.20	18.31	16.67	-62.78	-2,277.64	-13.53	2,115.05	2,080.28	34.77	60.831		
5,000.00	4,988.56	4,896.00	4,895.69	18.69	16.96	-62.82	-2,282.34	-16.73	2,116.89	2,081.46	35.44	59.740		

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

# Civitas Resources

## Anticollision Report

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<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
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<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
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<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

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Survey Program: 60-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	5,088.31	4,990.18	4,989.56	19.07	17.30	-62.83	-2,288.18	-21.52	2,119.24	2,083.11	36.14	58.642		
5,200.00	5,188.06	5,059.54	5,058.61	19.45	17.54	-62.81	-2,293.10	-26.00	2,122.33	2,085.59	36.74	57.770		
5,300.00	5,287.82	5,119.88	5,118.53	19.83	17.76	-62.77	-2,298.39	-30.66	2,126.99	2,089.70	37.29	57.041		
5,400.00	5,387.57	5,181.00	5,179.02	20.21	17.98	-62.71	-2,305.21	-36.09	2,133.73	2,095.90	37.83	56.400		
5,500.00	5,487.33	5,229.63	5,226.96	20.59	18.16	-62.64	-2,311.71	-41.02	2,142.53	2,104.23	38.30	55.939		
5,600.00	5,587.08	5,288.69	5,284.90	20.97	18.37	-62.52	-2,320.88	-47.85	2,153.42	2,114.61	38.81	55.488		
5,700.00	5,686.84	5,369.00	5,363.37	21.35	18.67	-62.34	-2,334.44	-58.25	2,165.60	2,126.18	39.43	54.928		
5,800.00	5,786.59	5,479.99	5,471.56	21.72	19.09	-62.04	-2,353.49	-74.12	2,177.98	2,137.76	40.22	54.152		
5,900.00	5,886.35	5,585.08	5,573.96	22.10	19.50	-61.75	-2,371.04	-89.87	2,189.87	2,148.89	40.98	53.432		
6,000.00	5,986.10	5,670.01	5,656.61	22.48	19.83	-61.50	-2,385.39	-103.14	2,201.98	2,160.34	41.64	52.884		
6,100.00	6,085.86	5,746.00	5,730.24	22.86	20.13	-61.25	-2,399.19	-115.90	2,215.25	2,173.01	42.24	52.446		
6,200.00	6,185.61	5,814.70	5,796.48	23.24	20.42	-61.01	-2,412.52	-128.36	2,229.73	2,186.93	42.79	52.104		
6,300.00	6,285.37	5,876.92	5,856.13	23.62	20.68	-60.76	-2,425.27	-140.57	2,245.43	2,202.13	43.30	51.856		
6,400.00	6,385.12	5,934.00	5,910.32	24.00	20.92	-60.50	-2,438.12	-153.08	2,263.05	2,219.28	43.77	51.709		
6,500.00	6,484.88	6,020.19	5,991.49	24.38	21.31	-60.06	-2,458.52	-173.67	2,281.92	2,237.49	44.43	51.363		
6,600.00	6,584.63	6,094.66	6,061.17	24.76	21.65	-59.65	-2,476.56	-192.78	2,301.50	2,256.49	45.01	51.133		
6,700.00	6,684.39	6,157.61	6,119.56	25.14	21.95	-59.28	-2,492.48	-210.09	2,322.35	2,276.85	45.51	51.035		
6,800.00	6,784.14	6,217.00	6,174.12	25.51	22.25	-58.91	-2,508.45	-227.28	2,344.95	2,298.99	45.97	51.015		
6,900.00	6,883.90	6,276.11	6,227.95	25.89	22.55	-58.52	-2,525.17	-245.05	2,369.21	2,322.79	46.42	51.037		
7,000.00	6,983.65	6,341.47	6,287.05	26.27	22.90	-58.09	-2,544.44	-265.25	2,394.94	2,348.02	46.92	51.042		
7,100.00	7,083.40	6,406.00	6,345.16	26.65	23.25	-57.67	-2,564.05	-285.34	2,421.91	2,374.50	47.41	51.085		
7,200.00	7,183.16	6,466.99	6,399.75	27.03	23.59	-57.26	-2,583.28	-304.57	2,450.30	2,402.43	47.87	51.189		
7,298.28	7,281.20	6,520.73	6,447.47	27.40	23.90	-56.90	-2,600.95	-321.84	2,479.78	2,431.52	48.25	51.390		
7,300.00	7,282.91	6,521.63	6,448.27	27.41	23.91	-58.22	-2,601.25	-322.13	2,480.31	2,432.05	48.26	51.394		
7,350.00	7,332.59	6,547.93	6,471.48	27.61	24.06	-75.02	-2,610.18	-330.67	2,496.01	2,447.56	48.46	51.510		
7,400.00	7,381.62	6,594.00	6,511.92	27.82	24.34	-78.73	-2,626.30	-345.75	2,512.29	2,463.43	48.86	51.419		
7,450.00	7,429.64	6,594.00	6,511.92	28.05	24.34	-79.59	-2,626.30	-345.75	2,528.62	2,479.77	48.85	51.765		
7,500.00	7,476.29	6,629.59	6,542.98	28.30	24.56	-79.35	-2,639.13	-357.49	2,545.18	2,495.98	49.20	51.729		
7,550.00	7,521.20	6,657.33	6,567.07	28.56	24.74	-78.64	-2,649.34	-366.68	2,561.78	2,512.27	49.51	51.745		
7,600.00	7,564.03	6,689.00	6,594.47	28.83	24.94	-77.73	-2,661.23	-377.22	2,578.29	2,528.41	49.89	51.684		
7,650.00	7,604.47	6,727.01	6,627.30	29.13	25.18	-76.80	-2,675.65	-389.83	2,594.48	2,544.12	50.37	51.512		
7,700.00	7,642.19	6,771.13	6,665.48	29.45	25.47	-75.94	-2,692.39	-404.27	2,610.10	2,559.15	50.95	51.224		
7,750.00	7,676.92	6,817.74	6,705.89	29.79	25.78	-75.18	-2,710.06	-419.35	2,625.09	2,573.47	51.62	50.855		
7,800.00	7,708.39	6,863.71	6,745.81	30.17	26.09	-74.51	-2,727.39	-434.13	2,639.37	2,587.03	52.33	50.434		
7,850.00	7,736.35	6,896.58	6,774.39	30.59	26.31	-73.75	-2,739.76	-444.66	2,653.00	2,600.02	52.98	50.078		
7,900.00	7,760.61	6,922.94	6,797.26	31.04	26.49	-72.96	-2,749.76	-453.15	2,666.14	2,612.52	53.62	49.725		
7,950.00	7,780.97	6,947.23	6,818.28	31.53	26.66	-72.20	-2,759.04	-461.02	2,678.78	2,624.48	54.30	49.333		
8,000.00	7,797.27	6,971.00	6,838.81	32.07	26.82	-71.49	-2,768.19	-468.75	2,690.92	2,635.88	55.04	48.890		
8,050.00	7,809.40	7,005.03	6,868.18	32.65	27.06	-71.03	-2,781.27	-479.90	2,702.47	2,646.52	55.95	48.298		
8,100.00	7,817.26	7,037.81	6,896.48	33.27	27.29	-70.62	-2,793.75	-490.75	2,713.37	2,656.46	56.91	47.677		
8,150.00	7,820.79	7,065.75	6,920.61	33.92	27.49	-70.18	-2,804.31	-500.07	2,723.66	2,665.79	57.87	47.067		
8,163.06	7,821.00	7,162.66	7,004.56	34.09	28.19	-71.88	-2,839.27	-533.56	2,726.16	2,667.10	59.06	46.159		
8,200.00	7,821.16	7,195.36	7,032.94	34.60	28.43	-72.53	-2,850.45	-545.34	2,733.19	2,673.26	59.93	45.606		
8,300.00	7,821.60	7,238.63	7,070.44	36.08	28.74	-73.39	-2,864.81	-561.46	2,753.81	2,691.91	61.90	44.487		
8,400.00	7,822.03	7,304.87	7,128.13	37.69	29.23	-74.70	-2,886.56	-585.67	2,777.26	2,713.05	64.20	43.258		
8,500.00	7,822.47	7,337.58	7,156.97	39.43	29.47	-75.35	-2,897.14	-596.91	2,803.64	2,737.41	66.23	42.334		
8,600.00	7,822.90	7,349.00	7,167.09	41.27	29.55	-75.58	-2,900.82	-600.70	2,833.00	2,764.94	68.07	41.621		
8,700.00	7,823.34	7,349.00	7,167.09	43.20	29.55	-75.58	-2,900.82	-600.70	2,865.54	2,795.75	69.79	41.059		
8,800.00	7,823.78	7,383.50	7,198.13	45.21	29.78	-76.27	-2,911.90	-610.88	2,900.65	2,828.78	71.87	40.361		
8,900.00	7,824.21	7,393.09	7,206.88	47.29	29.84	-76.47	-2,914.98	-613.29	2,938.86	2,865.19	73.67	39.893		
9,000.00	7,824.65	7,401.33	7,214.46	49.44	29.89	-76.64	-2,917.61	-615.21	2,979.87	2,904.44	75.42	39.509		
9,100.00	7,825.08	7,408.50	7,221.07	51.63	29.94	-76.79	-2,919.90	-616.77	3,023.57	2,946.45	77.12	39.205		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ LUSSING TRUST 4-64 19-20 4D2H - OWB - FINAL SURVEY													Offset Site Error:	0.00 usft
Survey Program: 60-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		
9,200.00	7,825.52	7,443.00	7,253.22	53.87	30.16	-77.50	-2,930.84	-622.80	3,070.29	2,991.21	79.09	38.823		
9,300.00	7,825.95	7,443.00	7,253.22	56.15	30.16	-77.50	-2,930.84	-622.80	3,118.93	3,038.33	80.61	38.694		
9,400.00	7,826.39	7,443.00	7,253.22	58.47	30.16	-77.50	-2,930.84	-622.80	3,169.98	3,087.92	82.07	38.627		
9,500.00	7,826.82	7,443.00	7,253.22	60.82	30.16	-77.50	-2,930.84	-622.80	3,223.33	3,139.86	83.46	38.620		
9,600.00	7,827.26	7,443.00	7,253.22	63.19	30.16	-77.50	-2,930.84	-622.80	3,278.85	3,194.06	84.80	38.667		
9,700.00	7,827.70	7,443.00	7,253.22	65.59	30.16	-77.50	-2,930.84	-622.80	3,336.45	3,250.39	86.07	38.766		
9,800.00	7,828.13	7,443.00	7,253.22	68.02	30.16	-77.50	-2,930.84	-622.80	3,396.02	3,308.75	87.27	38.912		
9,900.00	7,828.57	7,443.00	7,253.22	70.46	30.16	-77.50	-2,930.84	-622.80	3,457.46	3,369.04	88.42	39.103		
10,000.00	7,829.00	7,443.00	7,253.22	72.92	30.16	-77.50	-2,930.84	-622.80	3,520.66	3,431.16	89.50	39.335		
10,100.00	7,829.44	7,443.00	7,253.22	75.40	30.16	-77.50	-2,930.84	-622.80	3,585.54	3,495.01	90.53	39.605		
10,200.00	7,829.87	7,443.00	7,253.22	77.89	30.16	-77.50	-2,930.84	-622.80	3,652.01	3,560.50	91.51	39.910		
10,300.00	7,830.31	7,443.00	7,253.22	80.40	30.16	-77.50	-2,930.84	-622.80	3,719.97	3,627.55	92.42	40.249		
10,400.00	7,830.75	7,443.00	7,253.22	82.92	30.16	-77.50	-2,930.84	-622.80	3,789.36	3,696.07	93.29	40.618		
10,500.00	7,831.18	7,443.00	7,253.22	85.45	30.16	-77.50	-2,930.84	-622.80	3,860.09	3,765.98	94.11	41.015		
10,600.00	7,831.62	7,443.00	7,253.22	87.99	30.16	-77.50	-2,930.84	-622.80	3,932.09	3,837.20	94.89	41.439		
10,700.00	7,832.05	7,443.00	7,253.22	90.54	30.16	-77.50	-2,930.84	-622.80	4,005.29	3,909.67	95.62	41.888		
10,800.00	7,832.49	7,443.00	7,253.22	93.09	30.16	-77.50	-2,930.84	-622.80	4,079.64	3,983.33	96.31	42.360		
10,900.00	7,832.92	7,443.00	7,253.22	95.66	30.16	-77.50	-2,930.84	-622.80	4,155.05	4,058.09	96.96	42.853		
10,917.50	7,833.00	7,443.00	7,253.22	96.11	30.16	-77.50	-2,930.84	-622.80	4,168.36	4,071.29	97.07	42.941		
10,950.00	7,833.12	7,443.00	7,253.22	96.94	30.16	-78.15	-2,930.84	-622.80	4,192.55	4,095.28	97.28	43.099		
11,000.00	7,833.19	7,443.00	7,253.22	98.21	30.16	-78.98	-2,930.84	-622.80	4,227.55	4,129.95	97.60	43.315		
11,050.00	7,833.13	7,443.00	7,253.22	99.46	30.16	-79.64	-2,930.84	-622.80	4,259.69	4,161.77	97.93	43.498		
11,100.00	7,832.95	7,443.00	7,253.22	100.67	30.16	-80.19	-2,930.84	-622.80	4,288.79	4,190.54	98.25	43.652		
11,118.68	7,832.85	7,443.00	7,253.22	101.11	30.16	-80.36	-2,930.84	-622.80	4,298.85	4,200.48	98.37	43.702		
11,200.00	7,832.38	7,443.00	7,253.22	103.01	30.16	-80.36	-2,930.84	-622.80	4,342.21	4,243.34	98.87	43.919		
11,300.00	7,831.80	7,443.00	7,253.22	105.35	30.16	-80.36	-2,930.84	-622.80	4,397.01	4,297.55	99.45	44.212		
11,400.00	7,831.22	7,443.00	7,253.22	107.70	30.16	-80.36	-2,930.84	-622.80	4,453.37	4,353.37	100.00	44.533		
11,500.00	7,830.64	7,443.00	7,253.22	110.06	30.16	-80.36	-2,930.84	-622.80	4,511.25	4,410.73	100.52	44.881		
11,600.00	7,830.06	7,443.00	7,253.22	112.42	30.16	-80.36	-2,930.84	-622.80	4,570.58	4,469.59	101.00	45.254		
11,613.00	7,829.98	7,443.00	7,253.22	112.73	30.16	-80.36	-2,930.84	-622.80	4,578.40	4,477.34	101.06	45.304		
11,650.00	7,829.74	7,443.00	7,253.22	113.59	30.16	-80.77	-2,930.84	-622.80	4,599.83	4,498.60	101.22	45.442		
11,700.00	7,829.36	7,443.00	7,253.22	114.70	30.16	-81.24	-2,930.84	-622.80	4,625.97	4,524.55	101.42	45.610		
11,750.00	7,828.90	7,443.00	7,253.22	115.74	30.16	-81.63	-2,930.84	-622.80	4,648.76	4,547.16	101.59	45.758		
11,800.00	7,828.37	7,443.00	7,253.22	116.69	30.16	-81.95	-2,930.84	-622.80	4,668.07	4,566.34	101.73	45.889		
11,850.00	7,827.78	7,443.00	7,253.22	117.55	30.16	-82.21	-2,930.84	-622.80	4,683.79	4,581.98	101.81	46.005		
11,900.00	7,827.13	7,443.00	7,253.22	118.32	30.16	-82.42	-2,930.84	-622.80	4,695.85	4,594.01	101.84	46.108		
11,950.00	7,826.41	7,443.00	7,253.22	119.00	30.16	-82.60	-2,930.84	-622.80	4,704.18	4,602.36	101.82	46.201		
12,000.00	7,825.65	7,443.00	7,253.22	119.58	30.16	-82.72	-2,930.84	-622.80	4,708.74	4,607.00	101.73	46.285		
12,050.00	7,824.85	7,486.11	7,293.95	120.06	30.38	-83.31	-2,944.35	-626.77	4,707.58	4,605.41	102.17	46.075		
12,100.00	7,824.00	7,487.57	7,295.33	120.46	30.39	-83.38	-2,944.81	-626.83	4,704.40	4,602.42	101.98	46.131		
12,150.00	7,823.12	7,489.05	7,296.74	120.77	30.40	-83.41	-2,945.27	-626.89	4,697.42	4,595.70	101.72	46.178		
12,200.00	7,822.22	7,490.54	7,298.15	121.00	30.40	-83.40	-2,945.73	-626.94	4,686.69	4,585.28	101.41	46.216		
12,250.00	7,821.30	7,492.03	7,299.57	121.17	30.41	-83.34	-2,946.19	-626.99	4,672.26	4,571.22	101.04	46.243		
12,300.00	7,820.37	7,493.52	7,300.99	121.27	30.42	-83.23	-2,946.66	-627.04	4,654.20	4,553.58	100.62	46.257		
12,350.00	7,819.43	7,495.01	7,302.40	121.33	30.43	-83.05	-2,947.12	-627.08	4,632.61	4,532.46	100.15	46.256		
12,400.00	7,818.49	7,538.00	7,343.28	121.35	30.64	-83.39	-2,960.34	-626.11	4,609.47	4,509.28	100.19	46.008		
12,450.00	7,817.57	7,538.00	7,343.28	121.34	30.64	-83.06	-2,960.34	-626.11	4,581.08	4,481.42	99.65	45.971		
12,500.00	7,816.66	7,538.00	7,343.28	121.31	30.64	-82.63	-2,960.34	-626.11	4,549.57	4,450.47	99.10	45.909		
12,550.00	7,815.77	7,538.00	7,343.28	121.29	30.64	-82.06	-2,960.34	-626.11	4,515.13	4,416.58	98.55	45.816		
12,600.00	7,814.91	7,538.00	7,343.28	121.27	30.64	-81.29	-2,960.34	-626.11	4,477.95	4,379.94	98.01	45.690		
12,650.00	7,814.09	7,538.00	7,343.28	121.27	30.64	-80.27	-2,960.34	-626.11	4,438.25	4,340.76	97.49	45.527		
12,700.00	7,813.32	7,538.00	7,343.28	121.30	30.64	-78.86	-2,960.34	-626.11	4,396.27	4,299.27	97.00	45.324		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 60-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		
12,750.00	7,812.59	7,538.00	7,343.28	121.36	30.64	-76.88	-2,960.34	-626.11	4,352.26	4,255.71	96.55	45.078		
12,800.00	7,811.92	7,538.00	7,343.28	121.47	30.64	-73.94	-2,960.34	-626.11	4,306.50	4,210.35	96.16	44.786		
12,850.00	7,811.31	7,538.00	7,343.28	121.62	30.64	-69.28	-2,960.34	-626.11	4,259.30	4,163.47	95.83	44.448		
12,900.00	7,810.76	7,538.00	7,343.28	121.82	30.64	-61.12	-2,960.34	-626.11	4,210.96	4,115.39	95.57	44.063		
12,950.00	7,810.28	7,538.00	7,343.28	122.07	30.64	-44.83	-2,960.34	-626.11	4,161.83	4,066.44	95.39	43.631		
13,000.00	7,809.87	7,538.00	7,343.28	122.37	30.64	-11.08	-2,960.34	-626.11	4,112.25	4,016.95	95.29	43.154		
13,050.00	7,809.54	7,538.00	7,343.28	122.72	30.64	29.84	-2,960.34	-626.11	4,062.59	3,967.30	95.29	42.632		
13,100.00	7,809.28	7,538.00	7,343.28	123.11	30.64	52.61	-2,960.34	-626.11	4,013.24	3,917.84	95.40	42.069		
13,150.00	7,809.11	7,538.00	7,343.28	123.53	30.64	63.48	-2,960.34	-626.11	3,964.58	3,868.98	95.61	41.468		
13,200.00	7,809.01	7,538.00	7,343.28	123.98	30.64	69.38	-2,960.34	-626.11	3,917.03	3,821.10	95.93	40.832		
13,213.90	7,809.00	7,538.00	7,343.28	124.11	30.64	70.55	-2,960.34	-626.11	3,904.07	3,808.03	96.04	40.651		
13,300.00	7,808.95	7,538.00	7,343.28	124.93	30.64	70.55	-2,960.34	-626.11	3,824.25	3,727.47	96.78	39.515		
13,400.00	7,808.89	7,538.00	7,343.28	125.92	30.64	70.55	-2,960.34	-626.11	3,731.89	3,634.19	97.70	38.196		
13,500.00	7,808.82	7,538.00	7,343.28	126.97	30.64	70.55	-2,960.34	-626.11	3,639.95	3,541.24	98.70	36.878		
13,600.00	7,808.76	7,538.00	7,343.28	128.07	30.64	70.55	-2,960.34	-626.11	3,548.43	3,448.65	99.78	35.561		
13,700.00	7,808.70	7,538.00	7,343.28	129.22	30.64	70.55	-2,960.34	-626.11	3,457.39	3,356.44	100.95	34.248		
13,800.00	7,808.64	7,538.00	7,343.28	130.41	30.64	70.55	-2,960.34	-626.11	3,366.86	3,264.64	102.21	32.940		
13,900.00	7,808.58	7,538.00	7,343.28	131.65	30.64	70.55	-2,960.34	-626.11	3,276.87	3,173.30	103.58	31.637		
14,000.00	7,808.52	7,538.00	7,343.28	132.93	30.64	70.55	-2,960.34	-626.11	3,187.48	3,082.44	105.05	30.343		
14,100.00	7,808.45	7,538.00	7,343.28	134.26	30.64	70.55	-2,960.34	-626.11	3,098.75	2,992.11	106.64	29.059		
14,200.00	7,808.39	7,538.00	7,343.28	135.63	30.64	70.55	-2,960.34	-626.11	3,010.71	2,902.36	108.35	27.787		
14,300.00	7,808.33	7,538.00	7,343.28	137.04	30.64	70.55	-2,960.34	-626.11	2,923.45	2,813.25	110.20	26.529		
14,400.00	7,808.27	7,538.00	7,343.28	138.49	30.64	70.55	-2,960.34	-626.11	2,837.03	2,724.84	112.19	25.287		
14,500.00	7,808.21	7,538.00	7,343.28	139.98	30.64	70.55	-2,960.34	-626.11	2,751.53	2,637.19	114.34	24.064		
14,600.00	7,808.14	7,538.00	7,343.28	141.51	30.64	70.55	-2,960.34	-626.11	2,667.04	2,550.38	116.65	22.863		
14,700.00	7,808.08	7,538.00	7,343.28	143.07	30.64	70.55	-2,960.34	-626.11	2,583.65	2,464.51	119.14	21.686		
14,800.00	7,808.02	7,538.00	7,343.28	144.67	30.64	70.55	-2,960.34	-626.11	2,501.48	2,379.67	121.82	20.535		
14,900.00	7,807.96	7,538.00	7,343.28	146.30	30.64	70.55	-2,960.34	-626.11	2,420.66	2,295.98	124.68	19.414		
15,000.00	7,807.90	7,538.00	7,343.28	147.96	30.64	70.55	-2,960.34	-626.11	2,341.32	2,213.56	127.76	18.326		
15,100.00	7,807.84	7,538.00	7,343.28	149.66	30.64	70.55	-2,960.34	-626.11	2,263.61	2,132.56	131.05	17.273		
15,200.00	7,807.77	7,538.00	7,343.28	151.38	30.64	70.55	-2,960.34	-626.11	2,187.72	2,053.16	134.55	16.259		
15,300.00	7,807.71	7,538.00	7,343.28	153.14	30.64	70.55	-2,960.34	-626.11	2,113.83	1,975.55	138.28	15.286		
15,400.00	7,807.65	7,538.00	7,343.28	154.92	30.64	70.55	-2,960.34	-626.11	2,042.17	1,899.93	142.24	14.357		
15,500.00	7,807.59	7,538.00	7,343.28	156.73	30.64	70.55	-2,960.34	-626.11	1,972.97	1,826.56	146.41	13.475		
15,600.00	7,807.53	7,538.00	7,343.28	158.56	30.64	70.55	-2,960.34	-626.11	1,906.51	1,755.72	150.79	12.643		
15,700.00	7,807.47	7,538.00	7,343.28	160.42	30.64	70.55	-2,960.34	-626.11	1,843.08	1,687.72	155.36	11.863		
15,800.00	7,807.40	7,538.00	7,343.28	162.31	30.64	70.55	-2,960.34	-626.11	1,783.01	1,622.92	160.09	11.137		
15,900.00	7,807.34	7,538.00	7,343.28	164.22	30.64	70.55	-2,960.34	-626.11	1,726.64	1,561.70	164.94	10.468		
16,000.00	7,807.28	7,538.00	7,343.28	166.15	30.64	70.55	-2,960.34	-626.11	1,674.36	1,504.50	169.86	9.857		
16,100.00	7,807.22	7,538.00	7,343.28	168.10	30.64	70.55	-2,960.34	-626.11	1,626.54	1,451.77	174.77	9.307		
16,200.00	7,807.16	7,538.00	7,343.28	170.08	30.64	70.55	-2,960.34	-626.11	1,583.61	1,404.01	179.60	8.817		
16,300.00	7,807.10	7,538.00	7,343.28	172.07	30.64	70.55	-2,960.34	-626.11	1,545.96	1,361.71	184.25	8.391		
16,400.00	7,807.03	7,538.00	7,343.28	174.08	30.64	70.55	-2,960.34	-626.11	1,513.99	1,325.37	188.61	8.027		
16,455.46	7,807.00	7,538.00	7,343.28	175.21	30.64	70.55	-2,960.34	-626.11	1,498.84	1,307.97	190.87	7.853 CC, ES, SF		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1977-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	4.02	4.02	0.00	0.01	77.01	1,060.08	4,595.62	4,716.30					
100.00	100.00	104.53	104.53	0.27	0.19	77.01	1,060.09	4,595.61	4,716.29	4,715.84	0.45	N/A		
200.00	200.00	205.04	205.04	0.63	0.36	77.01	1,060.09	4,595.59	4,716.28	4,715.29	0.99	4,762.351		
204.45	204.45	209.51	209.51	0.64	0.37	-158.99	1,060.09	4,595.59	4,716.28	4,715.26	1.01	4,652.482		
300.00	299.98	305.53	305.53	0.98	0.54	-158.98	1,060.11	4,595.56	4,717.88	4,716.36	1.52	3,112.002		
400.69	400.52	406.59	406.59	1.33	0.72	-158.97	1,060.12	4,595.52	4,722.77	4,720.72	2.05	2,306.044		
500.00	499.59	506.17	506.17	1.69	0.90	-159.00	1,060.15	4,595.46	4,729.21	4,726.64	2.58	1,835.611		
600.00	599.35	606.44	606.44	2.06	1.07	-159.03	1,060.18	4,595.39	4,735.69	4,732.58	3.11	1,523.212		
700.00	699.10	706.71	706.71	2.43	1.25	-159.07	1,060.21	4,595.31	4,742.16	4,738.51	3.64	1,301.227		
800.00	798.86	806.98	806.98	2.80	1.43	-159.10	1,060.25	4,595.22	4,748.62	4,744.44	4.18	1,135.657		
900.00	898.61	907.25	907.25	3.18	1.61	-159.13	1,060.29	4,595.11	4,755.07	4,750.35	4.72	1,007.542		
1,000.00	998.37	1,007.52	1,007.52	3.55	1.78	-159.16	1,060.34	4,595.00	4,761.51	4,756.25	5.26	905.522		
1,100.00	1,098.12	1,107.79	1,107.79	3.93	1.96	-159.19	1,060.40	4,594.87	4,767.94	4,762.14	5.80	822.391		
1,200.00	1,197.88	1,208.07	1,208.07	4.31	2.14	-159.22	1,060.45	4,594.73	4,774.36	4,768.02	6.34	753.363		
1,300.00	1,297.63	1,308.34	1,308.34	4.68	2.32	-159.25	1,060.52	4,594.57	4,780.77	4,773.89	6.88	695.139		
1,400.00	1,397.38	1,408.62	1,408.62	5.06	2.49	-159.28	1,060.59	4,594.40	4,787.18	4,779.76	7.42	645.372		
1,500.00	1,497.14	1,508.89	1,508.89	5.44	2.67	-159.31	1,060.66	4,594.23	4,793.57	4,785.61	7.96	602.347		
1,600.00	1,596.89	1,609.17	1,609.17	5.82	2.85	-159.34	1,060.74	4,594.03	4,799.95	4,791.45	8.50	564.784		
1,700.00	1,696.65	1,709.45	1,709.45	6.19	3.03	-159.38	1,060.83	4,593.83	4,806.33	4,797.29	9.04	531.706		
1,800.00	1,796.40	1,809.73	1,809.73	6.57	3.20	-159.41	1,060.92	4,593.62	4,812.69	4,803.11	9.58	502.356		
1,900.00	1,896.16	1,910.01	1,910.01	6.95	3.38	-159.44	1,061.01	4,593.39	4,819.05	4,808.93	10.12	476.137		
2,000.00	1,995.91	2,006.90	2,006.90	7.33	3.61	-159.47	1,061.10	4,593.17	4,825.41	4,814.70	10.71	450.557		
2,100.00	2,095.67	2,074.37	2,074.36	7.71	3.84	-159.49	1,060.89	4,593.30	4,832.11	4,820.80	11.30	427.469		
2,200.00	2,195.42	2,131.29	2,131.27	8.09	4.03	-159.49	1,060.04	4,594.05	4,839.61	4,827.76	11.85	408.369		
2,300.00	2,295.18	2,191.96	2,191.88	8.46	4.23	-159.48	1,057.88	4,595.74	4,848.01	4,835.60	12.41	390.668		
2,400.00	2,394.93	2,256.02	2,255.80	8.84	4.44	-159.45	1,054.47	4,598.25	4,857.13	4,844.15	12.98	374.165		
2,500.00	2,494.69	2,335.21	2,334.75	9.22	4.71	-159.41	1,049.77	4,602.09	4,866.98	4,853.37	13.61	357.651		
2,600.00	2,594.44	2,469.75	2,468.91	9.60	5.17	-159.34	1,041.44	4,608.04	4,876.33	4,861.90	14.44	337.719		
2,700.00	2,694.20	2,648.61	2,647.31	9.98	5.80	-159.24	1,030.08	4,613.85	4,884.46	4,869.02	15.44	316.298		
2,800.00	2,793.95	2,690.00	2,688.58	10.36	5.95	-159.22	1,027.26	4,615.01	4,892.45	4,876.50	15.95	306.818		
2,900.00	2,893.71	12,159.00	7,717.70	10.74	126.23	148.07	735.01	28.27	4,895.36	4,846.79	48.57	100.786		
3,000.00	2,993.46	12,159.00	7,717.70	11.12	126.23	148.07	735.01	28.27	4,798.08	4,749.10	48.98	97.964		
3,100.00	3,093.22	12,159.00	7,717.70	11.49	126.23	148.07	735.01	28.27	4,700.91	4,651.51	49.40	95.153		
3,200.00	3,192.97	12,159.00	7,717.70	11.87	126.23	148.07	735.01	28.27	4,603.86	4,554.01	49.85	92.353		
3,300.00	3,292.72	12,159.00	7,717.70	12.25	126.23	148.07	735.01	28.27	4,506.95	4,456.63	50.32	89.565		
3,400.00	3,392.48	12,159.00	7,717.70	12.63	126.23	148.07	735.01	28.27	4,410.17	4,359.35	50.81	86.790		
3,500.00	3,492.23	12,159.00	7,717.70	13.01	126.23	148.07	735.01	28.27	4,313.53	4,262.20	51.33	84.030		
3,600.00	3,591.99	12,159.00	7,717.70	13.39	126.23	148.07	735.01	28.27	4,217.05	4,165.17	51.88	81.285		
3,700.00	3,691.74	12,159.00	7,717.70	13.77	126.23	148.07	735.01	28.27	4,120.75	4,068.29	52.46	78.556		
3,800.00	3,791.50	12,159.00	7,717.70	14.15	126.23	148.07	735.01	28.27	4,024.62	3,971.55	53.06	75.844		
3,900.00	3,891.25	12,159.00	7,717.70	14.53	126.23	148.07	735.01	28.27	3,928.68	3,874.98	53.71	73.151		
4,000.00	3,991.01	12,159.00	7,717.70	14.90	126.23	148.07	735.01	28.27	3,832.95	3,778.57	54.38	70.478		
4,100.00	4,090.76	12,159.00	7,717.70	15.28	126.23	148.07	735.01	28.27	3,737.45	3,682.35	55.10	67.827		
4,200.00	4,190.52	12,159.00	7,717.70	15.66	126.23	148.07	735.01	28.27	3,642.19	3,586.32	55.86	65.198		
4,300.00	4,290.27	12,159.00	7,717.70	16.04	126.23	148.07	735.01	28.27	3,547.18	3,490.51	56.67	62.593		
4,400.00	4,390.03	12,159.00	7,717.70	16.42	126.23	148.07	735.01	28.27	3,452.47	3,394.94	57.53	60.015		
4,500.00	4,489.78	12,159.00	7,717.70	16.80	126.23	148.07	735.01	28.27	3,358.05	3,299.61	58.44	57.463		
4,600.00	4,589.54	12,159.00	7,717.70	17.18	126.23	148.07	735.01	28.27	3,263.97	3,204.56	59.41	54.942		
4,700.00	4,689.29	12,159.00	7,717.70	17.56	126.23	148.07	735.01	28.27	3,170.25	3,109.81	60.44	52.452		
4,800.00	4,789.05	12,159.00	7,717.70	17.94	126.23	148.07	735.01	28.27	3,076.93	3,015.39	61.54	49.995		
4,900.00	4,888.80	12,159.00	7,717.70	18.31	126.23	148.07	735.01	28.27	2,984.04	2,921.32	62.72	47.575		
5,000.00	4,988.56	12,159.00	7,717.70	18.69	126.23	148.07	735.01	28.27	2,891.62	2,827.64	63.98	45.192		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 1977-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
5,100.00	5,088.31	12,159.00	7,717.70	19.07	126.23	148.07	735.01	28.27	2,799.73	2,734.39	65.34	42.851	
5,200.00	5,188.06	12,159.00	7,717.70	19.45	126.23	148.07	735.01	28.27	2,708.41	2,641.62	66.79	40.554	
5,300.00	5,287.82	12,159.00	7,717.70	19.83	126.23	148.07	735.01	28.27	2,617.72	2,549.38	68.34	38.303	
5,400.00	5,387.57	12,159.00	7,717.70	20.21	126.23	148.07	735.01	28.27	2,527.74	2,457.72	70.02	36.102	
5,500.00	5,487.33	12,159.00	7,717.70	20.59	126.23	148.07	735.01	28.27	2,438.54	2,366.72	71.82	33.954	
5,600.00	5,587.08	12,159.00	7,717.70	20.97	126.23	148.07	735.01	28.27	2,350.21	2,276.44	73.76	31.863	
5,700.00	5,686.84	12,159.00	7,717.70	21.35	126.23	148.07	735.01	28.27	2,262.84	2,186.99	75.85	29.831	
5,800.00	5,786.59	12,159.00	7,717.70	21.72	126.23	148.07	735.01	28.27	2,176.57	2,098.46	78.11	27.864	
5,900.00	5,886.35	12,159.00	7,717.70	22.10	126.23	148.07	735.01	28.27	2,091.52	2,010.97	80.55	25.965	
6,000.00	5,986.10	12,159.00	7,717.70	22.48	126.23	148.07	735.01	28.27	2,007.85	1,924.67	83.18	24.138	
6,100.00	6,085.86	12,159.00	7,717.70	22.86	126.23	148.07	735.01	28.27	1,925.73	1,839.71	86.02	22.388	
6,200.00	6,185.61	12,159.00	7,717.70	23.24	126.23	148.07	735.01	28.27	1,845.38	1,756.31	89.07	20.717	
6,300.00	6,285.37	12,159.00	7,717.70	23.62	126.23	148.07	735.01	28.27	1,767.04	1,674.68	92.36	19.132	
6,400.00	6,385.12	12,159.00	7,717.70	24.00	126.23	148.07	735.01	28.27	1,690.99	1,595.10	95.89	17.635	
6,500.00	6,484.88	12,159.00	7,717.70	24.38	126.23	148.07	735.01	28.27	1,617.54	1,517.88	99.65	16.232	
6,600.00	6,584.63	12,159.00	7,717.70	24.76	126.23	148.07	735.01	28.27	1,547.07	1,443.42	103.65	14.926	
6,700.00	6,684.39	12,159.00	7,717.70	25.14	126.23	148.07	735.01	28.27	1,480.01	1,372.14	107.86	13.721	
6,800.00	6,784.14	12,159.00	7,717.70	25.51	126.23	148.07	735.01	28.27	1,416.83	1,304.58	112.26	12.621	
6,900.00	6,883.90	12,159.00	7,717.70	25.89	126.23	148.07	735.01	28.27	1,358.09	1,241.32	116.77	11.630	
7,000.00	6,983.65	12,159.00	7,717.70	26.27	126.23	148.07	735.01	28.27	1,304.38	1,183.05	121.33	10.750	
7,100.00	7,083.40	12,159.00	7,717.70	26.65	126.23	148.07	735.01	28.27	1,256.35	1,130.52	125.82	9.985	
7,200.00	7,183.16	12,159.00	7,717.70	27.03	126.23	148.07	735.01	28.27	1,214.66	1,084.55	130.11	9.336	
7,298.28	7,281.20	12,159.00	7,717.70	27.40	126.23	148.07	735.01	28.27	1,180.53	1,046.57	133.96	8.812	
7,300.00	7,282.91	12,159.00	7,717.70	27.41	126.23	146.74	735.01	28.27	1,180.00	1,045.97	134.02	8.804	
7,350.00	7,332.59	12,159.00	7,717.70	27.61	126.23	129.44	735.01	28.27	1,166.39	1,030.68	135.70	8.595	
7,400.00	7,381.62	12,159.00	7,717.70	27.82	126.23	124.81	735.01	28.27	1,156.52	1,019.48	137.04	8.439	
7,450.00	7,429.64	12,159.00	7,717.70	28.05	126.23	122.76	735.01	28.27	1,150.56	1,012.56	138.00	8.337	
7,498.80	7,475.19	12,159.00	7,717.70	28.29	126.23	121.48	735.01	28.27	1,148.63	1,010.09	138.55	8.291 CC	
7,500.00	7,476.29	12,159.00	7,717.70	28.30	126.23	121.45	735.01	28.27	1,148.63	1,010.08	138.55	8.290 ES, SF	
7,550.00	7,521.20	12,159.00	7,717.70	28.56	126.23	120.30	735.01	28.27	1,150.76	1,012.07	138.69	8.297	
7,600.00	7,564.03	12,159.00	7,717.70	28.83	126.23	119.08	735.01	28.27	1,156.90	1,018.49	138.41	8.358	
7,650.00	7,604.47	12,159.00	7,717.70	29.13	126.23	117.67	735.01	28.27	1,166.96	1,029.21	137.74	8.472	
7,700.00	7,642.19	12,159.00	7,717.70	29.45	126.23	115.99	735.01	28.27	1,180.74	1,044.02	136.73	8.636	
7,750.00	7,676.92	12,159.00	7,717.70	29.79	126.23	114.01	735.01	28.27	1,198.03	1,062.63	135.40	8.848	
7,800.00	7,708.39	12,159.00	7,717.70	30.17	126.23	111.68	735.01	28.27	1,218.54	1,084.72	133.83	9.105	
7,850.00	7,736.35	12,159.00	7,717.70	30.59	126.23	108.98	735.01	28.27	1,241.97	1,109.91	132.05	9.405	
7,900.00	7,760.61	12,159.00	7,717.70	31.04	126.23	105.91	735.01	28.27	1,267.97	1,137.83	130.14	9.743	
7,950.00	7,780.97	12,159.00	7,717.70	31.53	126.23	102.46	735.01	28.27	1,296.21	1,168.07	128.14	10.115	
8,000.00	7,797.27	12,159.00	7,717.70	32.07	126.23	98.64	735.01	28.27	1,326.33	1,200.24	126.09	10.519	
8,050.00	7,809.40	12,159.00	7,717.70	32.65	126.23	94.51	735.01	28.27	1,357.98	1,233.95	124.03	10.949	
8,100.00	7,817.26	12,159.00	7,717.70	33.27	126.23	90.12	735.01	28.27	1,390.83	1,268.84	121.99	11.401	
8,150.00	7,820.79	12,159.00	7,717.70	33.92	126.23	85.56	735.01	28.27	1,424.56	1,304.56	120.00	11.871	
8,163.06	7,821.00	12,159.00	7,717.70	34.09	126.23	84.35	735.01	28.27	1,433.47	1,313.98	119.49	11.997	
8,200.00	7,821.16	12,159.00	7,717.70	34.60	126.23	84.35	735.01	28.27	1,458.98	1,340.92	118.06	12.358	
8,300.00	7,821.60	12,159.00	7,717.70	36.08	126.23	84.35	735.01	28.27	1,530.39	1,416.02	114.36	13.382	
8,400.00	7,822.03	12,159.00	7,717.70	37.69	126.23	84.35	735.01	28.27	1,604.85	1,493.95	110.90	14.471	
8,500.00	7,822.47	12,159.00	7,717.70	39.43	126.23	84.35	735.01	28.27	1,681.96	1,574.29	107.68	15.621	
8,600.00	7,822.90	12,159.00	7,717.70	41.27	126.23	84.35	735.01	28.27	1,761.38	1,656.70	104.68	16.826	
8,700.00	7,823.34	12,159.00	7,717.70	43.20	126.23	84.35	735.01	28.27	1,842.80	1,740.90	101.90	18.084	
8,800.00	7,823.78	12,159.00	7,717.70	45.21	126.23	84.35	735.01	28.27	1,925.97	1,826.64	99.34	19.388	
8,900.00	7,824.21	12,159.00	7,717.70	47.29	126.23	84.35	735.01	28.27	2,010.68	1,913.72	96.96	20.737	
9,000.00	7,824.65	12,159.00	7,717.70	49.44	126.23	84.35	735.01	28.27	2,096.73	2,001.96	94.77	22.125	

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ WATKINS 4-64-19-1H - OWB - FINAL SURVEY													Offset Site Error: 0.00 usft	
Survey Program: 1977-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		
9,100.00	7,825.08	12,159.00	7,717.70	51.63	126.23	84.35	735.01	28.27	2,183.97	2,091.23	92.74	23.550		
9,200.00	7,825.52	12,159.00	7,717.70	53.87	126.23	84.35	735.01	28.27	2,272.27	2,181.40	90.86	25.007		
9,300.00	7,825.95	12,159.00	7,717.70	56.15	126.23	84.35	735.01	28.27	2,361.49	2,272.36	89.13	26.495		
9,400.00	7,826.39	12,159.00	7,717.70	58.47	126.23	84.35	735.01	28.27	2,451.55	2,364.03	87.53	28.009		
9,500.00	7,826.82	12,159.00	7,717.70	60.82	126.23	84.35	735.01	28.27	2,542.35	2,456.31	86.04	29.548		
9,600.00	7,827.26	12,159.00	7,717.70	63.19	126.23	84.35	735.01	28.27	2,633.82	2,549.16	84.66	31.109		
9,700.00	7,827.70	12,159.00	7,717.70	65.59	126.23	84.35	735.01	28.27	2,725.89	2,642.50	83.39	32.690		
9,800.00	7,828.13	12,159.00	7,717.70	68.02	126.23	84.35	735.01	28.27	2,818.50	2,736.30	82.20	34.288		
9,900.00	7,828.57	12,159.00	7,717.70	70.46	126.23	84.35	735.01	28.27	2,911.60	2,830.50	81.10	35.902		
10,000.00	7,829.00	12,159.00	7,717.70	72.92	126.23	84.35	735.01	28.27	3,005.14	2,925.06	80.08	37.529		
10,100.00	7,829.44	12,159.00	7,717.70	75.40	126.23	84.35	735.01	28.27	3,099.08	3,019.96	79.12	39.168		
10,200.00	7,829.87	12,159.00	7,717.70	77.89	126.23	84.35	735.01	28.27	3,193.39	3,115.16	78.24	40.817		
10,300.00	7,830.31	12,159.00	7,717.70	80.40	126.23	84.35	735.01	28.27	3,288.04	3,210.63	77.41	42.476		
10,400.00	7,830.75	12,159.00	7,717.70	82.92	126.23	84.35	735.01	28.27	3,383.00	3,306.36	76.64	44.142		
10,500.00	7,831.18	12,159.00	7,717.70	85.45	126.23	84.35	735.01	28.27	3,478.24	3,402.31	75.92	45.814		
10,600.00	7,831.62	12,159.00	7,717.70	87.99	126.23	84.35	735.01	28.27	3,573.73	3,498.48	75.25	47.491		
10,700.00	7,832.05	12,159.00	7,717.70	90.54	126.23	84.35	735.01	28.27	3,669.47	3,594.85	74.62	49.173		
10,800.00	7,832.49	12,159.00	7,717.70	93.09	126.23	84.35	735.01	28.27	3,765.43	3,691.40	74.04	50.858		
10,900.00	7,832.92	12,159.00	7,717.70	95.66	126.23	84.35	735.01	28.27	3,861.60	3,788.11	73.49	52.546		
10,917.50	7,833.00	12,159.00	7,717.70	96.11	126.23	84.35	735.01	28.27	3,878.45	3,805.05	73.40	52.841		
10,950.00	7,833.12	12,159.00	7,717.70	96.94	126.23	82.49	735.01	28.27	3,909.98	3,836.73	73.25	53.380		
11,000.00	7,833.19	12,159.00	7,717.70	98.21	126.23	76.33	735.01	28.27	3,959.24	3,886.14	73.10	54.166		
11,050.00	7,833.13	12,159.00	7,717.70	99.46	126.23	47.83	735.01	28.27	4,009.04	3,936.01	73.03	54.895		
11,100.00	7,832.95	12,159.00	7,717.70	100.67	126.23	-56.41	735.01	28.27	4,058.99	3,985.94	73.06	55.560		
11,118.68	7,832.85	12,159.00	7,717.70	101.11	126.23	-67.32	735.01	28.27	4,077.62	4,004.53	73.09	55.791		
11,200.00	7,832.38	12,159.00	7,717.70	103.01	126.23	-67.32	735.01	28.27	4,158.61	4,085.36	73.25	56.773		
11,300.00	7,831.80	12,159.00	7,717.70	105.35	126.23	-67.32	735.01	28.27	4,258.22	4,184.78	73.44	57.979		
11,400.00	7,831.22	12,159.00	7,717.70	107.70	126.23	-67.32	735.01	28.27	4,357.85	4,284.22	73.63	59.184		
11,500.00	7,830.64	12,159.00	7,717.70	110.06	126.23	-67.32	735.01	28.27	4,457.50	4,383.68	73.81	60.388		
11,600.00	7,830.06	12,159.00	7,717.70	112.42	126.23	-67.32	735.01	28.27	4,557.16	4,483.17	73.99	61.591		
11,613.00	7,829.98	12,159.00	7,717.70	112.73	126.23	-67.32	735.01	28.27	4,570.12	4,496.10	74.01	61.747		
11,650.00	7,829.74	12,159.00	7,717.70	113.59	126.23	-76.92	735.01	28.27	4,606.88	4,532.78	74.10	62.171		
11,700.00	7,829.36	12,159.00	7,717.70	114.70	126.23	-81.52	735.01	28.27	4,656.02	4,581.74	74.29	62.676		
11,750.00	7,828.90	12,159.00	7,717.70	115.74	126.23	-83.62	735.01	28.27	4,704.22	4,629.66	74.56	63.094		
11,800.00	7,828.37	12,159.00	7,717.70	116.69	126.23	-84.84	735.01	28.27	4,751.14	4,676.23	74.92	63.420		
11,850.00	7,827.78	12,159.00	7,717.70	117.55	126.23	-85.63	735.01	28.27	4,796.48	4,721.11	75.36	63.646		
11,900.00	7,827.13	12,159.00	7,717.70	118.32	126.23	-86.21	735.01	28.27	4,839.92	4,764.02	75.90	63.767		
11,950.00	7,826.41	12,159.00	7,717.70	119.00	126.23	-86.65	735.01	28.27	4,881.21	4,804.68	76.53	63.778		
12,000.00	7,825.65	12,159.00	7,717.70	119.58	126.23	-87.00	735.01	28.27	4,920.08	4,842.82	77.27	63.677		
12,050.00	7,824.85	12,159.00	7,717.70	120.06	126.23	-87.29	735.01	28.27	4,956.30	4,878.20	78.10	63.461		
12,100.00	7,824.00	12,159.00	7,717.70	120.46	126.23	-87.54	735.01	28.27	4,989.65	4,910.61	79.04	63.130		
12,150.00	7,823.12	12,159.00	7,717.70	120.77	126.23	-87.76	735.01	28.27	5,019.94	4,939.86	80.08	62.685		
12,200.00	7,822.22	12,159.00	7,717.70	121.00	126.23	-87.95	735.01	28.27	5,046.99	4,965.76	81.23	62.129		
12,250.00	7,821.30	12,159.00	7,717.70	121.17	126.23	-88.13	735.01	28.27	5,070.65	4,988.16	82.50	61.466		
12,300.00	7,820.37	12,159.00	7,717.70	121.27	126.23	-88.29	735.01	28.27	5,090.80	5,006.93	83.87	60.701		
12,350.00	7,819.43	12,159.00	7,717.70	121.33	126.23	-88.43	735.01	28.27	5,107.31	5,021.96	85.35	59.841		
12,400.00	7,818.49	12,159.00	7,717.70	121.35	126.23	-88.56	735.01	28.27	5,120.11	5,033.17	86.94	58.895		
12,450.00	7,817.57	12,159.00	7,717.70	121.34	126.23	-88.68	735.01	28.27	5,129.11	5,040.48	88.63	57.873		
12,500.00	7,816.66	12,159.00	7,717.70	121.31	126.23	-88.78	735.01	28.27	5,134.27	5,043.86	90.41	56.786		
12,550.00	7,815.77	12,159.00	7,717.70	121.29	126.23	-88.87	735.01	28.27	5,135.57	5,043.28	92.29	55.644		
12,600.00	7,814.91	12,159.00	7,717.70	121.27	126.23	-88.95	735.01	28.27	5,133.00	5,038.75	94.25	54.462		
12,650.00	7,814.09	12,159.00	7,717.70	121.27	126.23	-89.02	735.01	28.27	5,126.57	5,030.29	96.27	53.250		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - EXIST HZ WATKINS 4-64-19-1H - OWB - FINAL SURVEY												Offset Site Error:	0.00 usft
Survey Program: 1977-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
12,700.00	7,813.32	12,159.00	7,717.70	121.30	126.23	-89.07	735.01	28.27	5,116.31	5,017.96	98.35	52.022	
12,750.00	7,812.59	12,159.00	7,717.70	121.36	126.23	-89.10	735.01	28.27	5,102.28	5,001.82	100.46	50.789	
12,800.00	7,811.92	12,159.00	7,717.70	121.47	126.23	-89.11	735.01	28.27	5,084.56	4,981.98	102.59	49.564	
12,850.00	7,811.31	12,159.00	7,717.70	121.62	126.23	-89.10	735.01	28.27	5,063.25	4,958.54	104.71	48.357	
12,900.00	7,810.76	12,159.00	7,717.70	121.82	126.23	-89.07	735.01	28.27	5,038.45	4,931.65	106.80	47.177	
12,950.00	7,810.28	12,159.00	7,717.70	122.07	126.23	-89.00	735.01	28.27	5,010.31	4,901.47	108.84	46.033	
13,000.00	7,809.87	12,159.00	7,717.70	122.37	126.23	-88.90	735.01	28.27	4,979.00	4,868.19	110.81	44.932	
13,050.00	7,809.54	12,159.00	7,717.70	122.72	126.23	-88.76	735.01	28.27	4,944.68	4,832.00	112.68	43.881	
13,100.00	7,809.28	12,159.00	7,717.70	123.11	126.23	-88.55	735.01	28.27	4,907.57	4,793.13	114.44	42.884	
13,150.00	7,809.11	12,159.00	7,717.70	123.53	126.23	-88.27	735.01	28.27	4,867.87	4,751.82	116.05	41.947	
13,200.00	7,809.01	12,159.00	7,717.70	123.98	126.23	-87.87	735.01	28.27	4,825.85	4,708.35	117.50	41.071	
13,213.90	7,809.00	12,159.00	7,717.70	124.11	126.23	-87.73	735.01	28.27	4,813.79	4,695.91	117.87	40.839	
13,300.00	7,808.95	12,159.00	7,717.70	124.93	126.23	-87.73	735.01	28.27	4,738.76	4,618.59	120.17	39.434	
13,400.00	7,808.89	12,159.00	7,717.70	125.92	126.23	-87.73	735.01	28.27	4,652.10	4,529.16	122.95	37.838	
13,500.00	7,808.82	12,159.00	7,717.70	126.97	126.23	-87.73	735.01	28.27	4,566.00	4,440.15	125.84	36.283	
13,600.00	7,808.76	12,159.00	7,717.70	128.07	126.23	-87.73	735.01	28.27	4,480.47	4,351.60	128.87	34.768	
13,700.00	7,808.70	12,159.00	7,717.70	129.22	126.23	-87.73	735.01	28.27	4,395.54	4,263.53	132.02	33.295	
13,800.00	7,808.64	12,159.00	7,717.70	130.41	126.23	-87.73	735.01	28.27	4,311.27	4,175.97	135.31	31.863	
13,900.00	7,808.58	12,159.00	7,717.70	131.65	126.23	-87.73	735.01	28.27	4,227.68	4,088.95	138.73	30.474	
14,000.00	7,808.52	12,159.00	7,717.70	132.93	126.23	-87.73	735.01	28.27	4,144.82	4,002.53	142.30	29.128	
14,100.00	7,808.45	12,159.00	7,717.70	134.26	126.23	-87.73	735.01	28.27	4,062.73	3,916.72	146.01	27.825	
14,200.00	7,808.39	12,159.00	7,717.70	135.63	126.23	-87.73	735.01	28.27	3,981.46	3,831.59	149.87	26.566	
14,300.00	7,808.33	12,159.00	7,717.70	137.04	126.23	-87.73	735.01	28.27	3,901.06	3,747.17	153.89	25.350	
14,400.00	7,808.27	12,159.00	7,717.70	138.49	126.23	-87.73	735.01	28.27	3,821.59	3,663.52	158.07	24.177	
14,500.00	7,808.21	12,159.00	7,717.70	139.98	126.23	-87.73	735.01	28.27	3,743.10	3,580.69	162.40	23.048	
14,600.00	7,808.14	12,159.00	7,717.70	141.51	126.23	-87.73	735.01	28.27	3,665.66	3,498.75	166.91	21.962	
14,700.00	7,808.08	12,159.00	7,717.70	143.07	126.23	-87.73	735.01	28.27	3,589.33	3,417.75	171.58	20.919	
14,800.00	7,808.02	12,159.00	7,717.70	144.67	126.23	-87.73	735.01	28.27	3,514.19	3,337.77	176.42	19.919	
14,900.00	7,807.96	12,159.00	7,717.70	146.30	126.23	-87.73	735.01	28.27	3,440.32	3,258.88	181.43	18.962	
15,000.00	7,807.90	12,159.00	7,717.70	147.96	126.23	-87.73	735.01	28.27	3,367.79	3,181.18	186.62	18.047	
15,100.00	7,807.84	12,159.00	7,717.70	149.66	126.23	-87.73	735.01	28.27	3,296.70	3,104.74	191.97	17.173	
15,200.00	7,807.77	12,159.00	7,717.70	151.38	126.23	-87.73	735.01	28.27	3,227.15	3,029.66	197.49	16.341	
15,300.00	7,807.71	12,159.00	7,717.70	153.14	126.23	-87.73	735.01	28.27	3,159.23	2,956.06	203.17	15.550	
15,400.00	7,807.65	12,159.00	7,717.70	154.92	126.23	-87.73	735.01	28.27	3,093.06	2,884.04	209.01	14.798	
15,500.00	7,807.59	12,159.00	7,717.70	156.73	126.23	-87.73	735.01	28.27	3,028.74	2,813.73	215.00	14.087	
15,600.00	7,807.53	12,159.00	7,717.70	158.56	126.23	-87.73	735.01	28.27	2,966.39	2,745.27	221.13	13.415	
15,700.00	7,807.47	12,159.00	7,717.70	160.42	126.23	-87.73	735.01	28.27	2,906.15	2,678.78	227.38	12.781	
15,800.00	7,807.40	12,159.00	7,717.70	162.31	126.23	-87.73	735.01	28.27	2,848.15	2,614.43	233.73	12.186	
15,900.00	7,807.34	12,159.00	7,717.70	164.22	126.23	-87.73	735.01	28.27	2,792.53	2,552.37	240.16	11.628	
16,000.00	7,807.28	12,159.00	7,717.70	166.15	126.23	-87.73	735.01	28.27	2,739.43	2,492.77	246.66	11.106	
16,100.00	7,807.22	12,159.00	7,717.70	168.10	126.23	-87.73	735.01	28.27	2,689.00	2,435.82	253.18	10.621	
16,200.00	7,807.16	12,159.00	7,717.70	170.08	126.23	-87.73	735.01	28.27	2,641.39	2,381.70	259.70	10.171	
16,300.00	7,807.10	12,159.00	7,717.70	172.07	126.23	-87.73	735.01	28.27	2,596.77	2,330.60	266.17	9.756	
16,400.00	7,807.03	12,159.00	7,717.70	174.08	126.23	-87.73	735.01	28.27	2,555.28	2,282.72	272.56	9.375	
16,455.46	7,807.00	12,159.00	7,717.70	175.21	126.23	-87.73	735.01	28.27	2,533.68	2,257.63	276.05	9.178	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 1B2BUH - OWB - PROPOSAL 2													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	0.00	20.03	0.00	20.03					
100.00	100.00	100.00	100.00	0.27	0.27	0.00	20.03	0.00	20.03	19.49	0.54	37.251		
200.00	200.00	200.00	200.00	0.63	0.63	0.00	20.03	0.00	20.03	18.78	1.25	15.965 CC		
300.00	299.98	299.98	299.98	0.98	0.99	127.92	20.03	0.00	21.06	19.10	1.96	10.738		
400.69	400.52	400.00	399.98	1.33	1.34	133.94	21.10	-1.38	25.43	22.75	2.67	9.510		
500.00	499.59	498.72	498.57	1.69	1.70	134.68	24.25	-5.45	32.66	29.28	3.38	9.654		
600.00	599.35	598.28	597.84	2.06	2.06	132.36	28.79	-11.31	41.00	36.90	4.11	9.986		
700.00	699.10	697.92	697.20	2.43	2.43	130.77	33.36	-17.21	49.41	44.57	4.84	10.218		
800.00	798.86	797.56	796.56	2.80	2.80	129.65	37.93	-23.12	57.84	52.27	5.57	10.387		
900.00	898.61	897.20	895.92	3.18	3.17	128.81	42.50	-29.02	66.29	59.98	6.30	10.515		
1,000.00	998.37	996.83	995.28	3.55	3.54	128.16	47.08	-34.92	74.74	67.70	7.04	10.615		
1,100.00	1,098.12	1,096.47	1,094.64	3.93	3.92	127.65	51.65	-40.83	83.21	75.43	7.78	10.695		
1,200.00	1,197.88	1,196.11	1,193.99	4.31	4.29	127.23	56.22	-46.73	91.68	83.16	8.52	10.761		
1,300.00	1,297.63	1,295.75	1,293.35	4.68	4.67	126.88	60.79	-52.63	100.16	90.90	9.26	10.816		
1,400.00	1,397.38	1,395.39	1,392.71	5.06	5.04	126.58	65.36	-58.54	108.64	98.64	10.00	10.863		
1,500.00	1,497.14	1,495.03	1,492.07	5.44	5.42	126.33	69.94	-64.44	117.12	106.38	10.74	10.903		
1,600.00	1,596.89	1,594.66	1,591.43	5.82	5.79	126.11	74.51	-70.34	125.60	114.12	11.48	10.937		
1,700.00	1,696.65	1,694.30	1,690.78	6.19	6.17	125.92	79.08	-76.25	134.09	121.86	12.23	10.968		
1,800.00	1,796.40	1,793.94	1,790.14	6.57	6.54	125.75	83.65	-82.15	142.57	129.61	12.97	10.994		
1,900.00	1,896.16	1,893.58	1,889.50	6.95	6.92	125.60	88.22	-88.05	151.06	137.35	13.71	11.018		
2,000.00	1,995.91	1,993.22	1,988.86	7.33	7.30	125.47	92.80	-93.96	159.55	145.10	14.45	11.039		
2,100.00	2,095.67	2,092.86	2,088.22	7.71	7.67	125.35	97.37	-99.86	168.04	152.84	15.20	11.059		
2,200.00	2,195.42	2,192.49	2,187.58	8.09	8.05	125.24	101.94	-105.76	176.53	160.59	15.94	11.076		
2,300.00	2,295.18	2,292.13	2,286.93	8.46	8.42	125.14	106.51	-111.67	185.02	168.34	16.68	11.092		
2,400.00	2,394.93	2,391.77	2,386.29	8.84	8.80	125.05	111.08	-117.57	193.51	176.09	17.42	11.106		
2,500.00	2,494.69	2,491.41	2,485.65	9.22	9.18	124.97	115.65	-123.47	202.00	183.84	18.17	11.119		
2,600.00	2,594.44	2,591.05	2,585.01	9.60	9.55	124.90	120.23	-129.38	210.49	191.58	18.91	11.131		
2,700.00	2,694.20	2,690.69	2,684.37	9.98	9.93	124.83	124.80	-135.28	218.99	199.33	19.65	11.142		
2,800.00	2,793.95	2,790.33	2,783.73	10.36	10.31	124.76	129.37	-141.18	227.48	207.08	20.40	11.153		
2,900.00	2,893.71	2,889.96	2,883.08	10.74	10.68	124.70	133.94	-147.09	235.97	214.83	21.14	11.162		
3,000.00	2,993.46	2,989.60	2,982.44	11.12	11.06	124.65	138.51	-152.99	244.46	222.58	21.88	11.171		
3,100.00	3,093.22	3,089.24	3,081.80	11.49	11.44	124.60	143.09	-158.89	252.96	230.33	22.63	11.179		
3,200.00	3,192.97	3,188.88	3,181.16	11.87	11.81	124.55	147.66	-164.80	261.45	238.08	23.37	11.187		
3,300.00	3,292.72	3,288.52	3,280.52	12.25	12.19	124.50	152.23	-170.70	269.94	245.83	24.11	11.195		
3,400.00	3,392.48	3,388.16	3,379.88	12.63	12.57	124.46	156.80	-176.60	278.44	253.58	24.86	11.201		
3,500.00	3,492.23	3,487.79	3,479.23	13.01	12.94	124.42	161.37	-182.51	286.93	261.33	25.60	11.208		
3,600.00	3,591.99	3,587.43	3,578.59	13.39	13.32	124.38	165.95	-188.41	295.42	269.08	26.34	11.214		
3,700.00	3,691.74	3,687.07	3,677.95	13.77	13.70	124.34	170.52	-194.31	303.92	276.83	27.09	11.220		
3,800.00	3,791.50	3,786.71	3,777.31	14.15	14.07	124.31	175.09	-200.22	312.41	284.58	27.83	11.225		
3,900.00	3,891.25	3,886.35	3,876.67	14.53	14.45	124.28	179.66	-206.12	320.91	292.33	28.58	11.230		
4,000.00	3,991.01	3,985.99	3,976.03	14.90	14.83	124.25	184.23	-212.02	329.40	300.08	29.32	11.235		
4,100.00	4,090.76	4,085.63	4,075.38	15.28	15.21	124.22	188.80	-217.93	337.90	307.83	30.06	11.240		
4,200.00	4,190.52	4,185.26	4,174.74	15.66	15.58	124.19	193.38	-223.83	346.39	315.58	30.81	11.244		
4,300.00	4,290.27	4,284.90	4,274.10	16.04	15.96	124.17	197.95	-229.73	354.88	323.33	31.55	11.248		
4,400.00	4,390.03	4,384.54	4,373.46	16.42	16.34	124.14	202.52	-235.64	363.38	331.08	32.29	11.252		
4,500.00	4,489.78	4,484.18	4,472.82	16.80	16.71	124.12	207.09	-241.54	371.87	338.84	33.04	11.256		
4,600.00	4,589.54	4,583.82	4,572.17	17.18	17.09	124.09	211.66	-247.45	380.37	346.59	33.78	11.260		
4,700.00	4,689.29	4,683.46	4,671.53	17.56	17.47	124.07	216.24	-253.35	388.86	354.34	34.53	11.263		
4,800.00	4,789.05	4,783.09	4,770.89	17.94	17.84	124.05	220.81	-259.25	397.36	362.09	35.27	11.266		
4,900.00	4,888.80	4,882.73	4,870.25	18.31	18.22	124.03	225.38	-265.16	405.85	369.84	36.01	11.270		
5,000.00	4,988.56	4,982.37	4,969.61	18.69	18.60	124.01	229.95	-271.06	414.35	377.59	36.76	11.273		
5,100.00	5,088.31	5,082.01	5,068.97	19.07	18.97	123.99	234.52	-276.96	422.84	385.34	37.50	11.276		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 1B2BUH - OWB - PROPOSAL 2													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	5,188.06	5,181.65	5,168.32	19.45	19.35	123.98	239.09	-282.87	431.34	393.09	38.24	11.278		
5,300.00	5,287.82	5,281.29	5,267.68	19.83	19.73	123.96	243.67	-288.77	439.83	400.84	38.99	11.281		
5,400.00	5,387.57	5,380.92	5,367.04	20.21	20.10	123.94	248.24	-294.67	448.33	408.59	39.73	11.284		
5,500.00	5,487.33	5,480.56	5,466.40	20.59	20.48	123.93	252.81	-300.58	456.82	416.35	40.48	11.286		
5,600.00	5,587.08	5,580.20	5,565.76	20.97	20.86	123.91	257.38	-306.48	465.32	424.10	41.22	11.288		
5,700.00	5,686.84	5,679.84	5,665.12	21.35	21.24	123.90	261.95	-312.38	473.81	431.85	41.96	11.291		
5,800.00	5,786.59	5,779.48	5,764.47	21.72	21.61	123.88	266.53	-318.29	482.31	439.60	42.71	11.293		
5,900.00	5,886.35	5,879.12	5,863.83	22.10	21.99	123.87	271.10	-324.19	490.80	447.35	43.45	11.295		
6,000.00	5,986.10	5,978.76	5,963.19	22.48	22.37	123.86	275.67	-330.09	499.30	455.10	44.20	11.297		
6,100.00	6,085.86	6,078.39	6,062.55	22.86	22.74	123.85	280.24	-336.00	507.79	462.85	44.94	11.299		
6,200.00	6,185.61	6,178.03	6,161.91	23.24	23.12	123.83	284.81	-341.90	516.29	470.60	45.68	11.301		
6,300.00	6,285.37	6,277.67	6,261.27	23.62	23.50	123.82	289.39	-347.80	524.78	478.36	46.43	11.303		
6,400.00	6,385.12	6,377.31	6,360.62	24.00	23.87	123.81	293.96	-353.71	533.28	486.11	47.17	11.305		
6,500.00	6,484.88	6,476.95	6,459.98	24.38	24.25	123.80	298.53	-359.61	541.78	493.86	47.92	11.307		
6,600.00	6,584.63	6,576.59	6,559.34	24.76	24.63	123.79	303.10	-365.51	550.27	501.61	48.66	11.308		
6,700.00	6,684.39	6,676.22	6,658.70	25.14	25.01	123.78	307.67	-371.42	558.77	509.36	49.40	11.310		
6,800.00	6,784.14	6,775.86	6,758.06	25.51	25.38	123.77	312.24	-377.32	567.26	517.11	50.15	11.311		
6,900.00	6,883.90	6,875.50	6,857.42	25.89	25.76	123.76	316.82	-383.22	575.76	524.86	50.89	11.313		
7,000.00	6,983.65	6,975.14	6,956.77	26.27	26.14	123.75	321.39	-389.13	584.25	532.61	51.64	11.315		
7,100.00	7,083.40	7,074.78	7,056.13	26.65	26.51	123.74	325.96	-395.03	592.75	540.37	52.38	11.316		
7,200.00	7,183.16	7,174.42	7,155.49	27.03	26.89	123.73	330.53	-400.93	601.24	548.12	53.13	11.317		
7,298.28	7,281.20	7,271.18	7,251.79	27.40	27.27	123.52	335.00	-408.76	609.64	555.78	53.86	11.319		
7,300.00	7,282.91	7,272.84	7,253.44	27.41	27.27	122.12	335.08	-409.00	609.79	555.92	53.87	11.319		
7,350.00	7,332.59	7,321.08	7,300.74	27.61	27.48	102.70	337.38	-418.11	614.12	559.85	54.27	11.316		
7,400.00	7,381.62	7,369.00	7,346.80	27.82	27.70	96.37	339.69	-431.06	618.40	563.71	54.69	11.307		
7,450.00	7,429.64	7,416.61	7,391.34	28.05	27.94	93.02	342.00	-447.71	622.59	567.44	55.14	11.291		
7,500.00	7,476.29	7,463.96	7,434.09	28.30	28.19	90.82	344.30	-467.87	626.64	571.02	55.62	11.266		
7,550.00	7,521.20	7,511.05	7,474.83	28.56	28.46	89.20	346.57	-491.36	630.54	574.41	56.13	11.233		
7,600.00	7,564.03	7,557.92	7,513.32	28.83	28.75	87.92	348.80	-517.99	634.25	577.57	56.68	11.190		
7,650.00	7,604.47	7,604.58	7,549.35	29.13	29.05	86.87	350.97	-547.54	637.72	580.46	57.26	11.137		
7,700.00	7,642.19	7,650.00	7,582.00	29.45	29.37	85.99	353.03	-579.03	640.94	583.06	57.88	11.073		
7,750.00	7,676.92	7,697.40	7,613.31	29.79	29.74	85.25	355.11	-614.55	643.87	585.29	58.59	10.990		
7,800.00	7,708.39	7,743.60	7,640.89	30.17	30.12	84.63	357.04	-651.54	646.50	587.16	59.34	10.895		
7,850.00	7,736.35	7,789.70	7,665.35	30.59	30.54	84.12	358.87	-690.55	648.79	588.63	60.16	10.784		
7,900.00	7,760.61	7,835.70	7,686.56	31.04	31.00	83.71	360.59	-731.33	650.74	589.68	61.06	10.657		
7,950.00	7,780.97	7,881.64	7,704.41	31.53	31.48	83.38	362.19	-773.61	652.32	590.28	62.04	10.514		
8,000.00	7,797.27	7,927.54	7,718.81	32.07	32.00	83.15	363.66	-817.16	653.52	590.42	63.10	10.357		
8,050.00	7,809.40	7,973.41	7,729.67	32.65	32.56	83.00	364.98	-861.69	654.33	590.10	64.23	10.187		
8,100.00	7,817.26	8,019.28	7,736.94	33.27	33.14	82.94	366.16	-906.96	654.75	589.31	65.44	10.005		
8,150.00	7,820.79	8,065.17	7,740.56	33.92	33.75	82.95	367.19	-952.68	654.76	588.06	66.71	9.815		
8,163.06	7,821.00	8,077.16	7,740.91	34.09	33.91	82.97	367.43	-964.66	654.70	587.66	67.05	9.765		
8,200.00	7,821.16	8,113.35	7,741.10	34.60	34.42	82.97	368.12	-1,000.84	654.53	586.46	68.07	9.615		
8,300.00	7,821.60	8,213.35	7,741.45	36.08	35.91	82.96	370.01	-1,100.83	654.08	583.02	71.06	9.205		
8,400.00	7,822.03	8,313.35	7,741.79	37.69	37.53	82.95	371.91	-1,200.81	653.62	579.31	74.31	8.796		
8,500.00	7,822.47	8,413.35	7,742.14	39.43	39.27	82.93	373.81	-1,300.79	653.17	575.37	77.80	8.396		
8,600.00	7,822.90	8,513.35	7,742.49	41.27	41.12	82.92	375.71	-1,400.77	652.71	571.23	81.49	8.010		
8,700.00	7,823.34	8,613.35	7,742.84	43.20	43.06	82.91	377.60	-1,500.75	652.26	566.91	85.35	7.642		
8,800.00	7,823.78	8,713.35	7,743.19	45.21	45.07	82.90	379.50	-1,600.73	651.81	562.43	89.37	7.293		
8,900.00	7,824.21	8,813.35	7,743.54	47.29	47.16	82.88	381.40	-1,700.71	651.35	557.82	93.53	6.964		
9,000.00	7,824.65	8,913.35	7,743.89	49.44	49.30	82.87	383.30	-1,800.69	650.90	553.10	97.80	6.655		
9,100.00	7,825.08	9,013.34	7,744.23	51.63	51.50	82.86	385.19	-1,900.67	650.44	548.27	102.17	6.366		
9,200.00	7,825.52	9,113.34	7,744.58	53.87	53.74	82.85	387.09	-2,000.65	649.99	543.35	106.64	6.095		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 1B2BUH - OWB - PROPOSAL 2													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		
9,300.00	7,825.95	9,213.34	7,744.93	56.15	56.02	82.83	388.99	-2,100.63	649.54	538.36	111.18	5.842		
9,400.00	7,826.39	9,313.34	7,745.28	58.47	58.34	82.82	390.89	-2,200.61	649.08	533.29	115.79	5.606		
9,500.00	7,826.82	9,413.34	7,745.63	60.82	60.69	82.81	392.79	-2,300.59	648.63	528.17	120.46	5.385		
9,600.00	7,827.26	9,513.34	7,745.98	63.19	63.06	82.79	394.68	-2,400.57	648.17	522.98	125.19	5.178		
9,700.00	7,827.70	9,613.34	7,746.33	65.59	65.47	82.78	396.58	-2,500.55	647.72	517.76	129.96	4.984		
9,800.00	7,828.13	9,713.34	7,746.67	68.02	67.89	82.77	398.48	-2,600.53	647.27	512.48	134.78	4.802		
9,900.00	7,828.57	9,813.34	7,747.02	70.46	70.33	82.76	400.38	-2,700.51	646.81	507.17	139.64	4.632		
10,000.00	7,829.00	9,913.33	7,747.37	72.92	72.80	82.74	402.27	-2,800.49	646.36	501.82	144.53	4.472		
10,100.00	7,829.44	10,013.33	7,747.72	75.40	75.27	82.73	404.17	-2,900.47	645.90	496.45	149.46	4.322		
10,200.00	7,829.87	10,113.33	7,748.07	77.89	77.77	82.72	406.07	-3,000.45	645.45	491.04	154.41	4.180		
10,300.00	7,830.31	10,213.33	7,748.42	80.40	80.27	82.70	407.97	-3,100.43	645.00	485.61	159.39	4.047		
10,400.00	7,830.75	10,313.33	7,748.77	82.92	82.79	82.69	409.86	-3,200.41	644.54	480.15	164.39	3.921		
10,500.00	7,831.18	10,413.33	7,749.12	85.45	85.32	82.68	411.76	-3,300.39	644.09	474.68	169.41	3.802		
10,600.00	7,831.62	10,513.33	7,749.46	87.99	87.86	82.67	413.66	-3,400.37	643.64	469.18	174.46	3.689		
10,700.00	7,832.05	10,613.33	7,749.81	90.54	90.41	82.65	415.56	-3,500.35	643.18	463.67	179.52	3.583		
10,800.00	7,832.49	10,713.32	7,750.16	93.09	92.97	82.64	417.46	-3,600.33	642.73	458.14	184.59	3.482		
10,900.00	7,832.92	10,813.32	7,750.51	95.66	95.53	82.63	419.35	-3,700.31	642.28	452.59	189.68	3.386		
10,917.50	7,833.00	10,830.83	7,750.57	96.11	95.98	82.62	419.68	-3,717.81	642.20	451.62	190.58	3.370		
10,920.14	7,833.01	10,833.46	7,750.58	96.18	96.05	82.63	419.73	-3,720.44	642.19	451.48	190.71	3.367		
10,950.00	7,833.12	10,863.31	7,750.68	96.94	96.82	82.63	420.30	-3,750.29	642.96	450.72	192.24	3.345		
11,000.00	7,833.19	10,913.07	7,750.86	98.21	98.10	82.63	421.25	-3,800.04	647.68	452.89	194.79	3.325		
11,050.00	7,833.13	13,941.99	7,732.34	99.46	135.59	-80.92	-874.27	-3,874.33	653.01	420.68	232.33	2.811		
11,100.00	7,832.95	13,893.83	7,732.43	100.67	134.99	-80.59	-873.31	-3,922.47	639.75	406.92	232.83	2.748		
11,118.68	7,832.85	13,876.17	7,732.46	101.11	134.78	-80.43	-872.96	-3,940.13	633.73	400.73	233.00	2.720		
11,200.00	7,832.38	13,799.70	7,732.60	103.01	133.86	-80.05	-871.43	-4,016.58	606.32	372.60	233.72	2.594		
11,300.00	7,831.80	13,705.67	7,732.77	105.35	132.77	-79.54	-869.55	-4,110.59	572.65	338.05	234.60	2.441		
11,400.00	7,831.22	13,611.65	7,732.95	107.70	131.73	-78.96	-867.68	-4,204.60	539.02	303.56	235.46	2.289		
11,500.00	7,830.64	13,213.32	7,735.63	110.06	128.23	-70.60	-745.54	-4,575.61	482.20	296.61	185.58	2.598		
11,600.00	7,830.06	13,157.42	7,736.28	112.42	127.94	-67.05	-711.70	-4,620.09	400.95	215.79	185.16	2.165		
11,613.00	7,829.98	13,150.16	7,736.37	112.73	127.91	-66.49	-707.31	-4,625.87	390.44	205.40	185.04	2.110		
11,650.00	7,829.74	13,130.48	7,736.60	113.59	127.81	-62.44	-695.39	-4,641.53	359.99	175.42	184.57	1.950		
11,700.00	7,829.36	13,107.19	7,736.87	114.70	127.69	-54.98	-681.29	-4,660.08	317.29	133.86	183.43	1.730		
11,750.00	7,828.90	13,087.83	7,737.10	115.74	127.59	-44.63	-669.58	-4,675.48	273.31	91.91	181.40	1.507		
11,800.00	7,828.37	13,072.57	7,737.28	116.69	127.52	-31.44	-660.34	-4,687.63	228.76	51.00	177.76	1.287 Level 3		
11,850.00	7,827.78	13,061.51	7,737.41	117.55	127.47	-17.42	-653.64	-4,696.43	184.72	13.80	170.92	1.081 Level 2		
11,900.00	7,827.13	13,054.74	7,737.49	118.32	127.43	-5.99	-649.54	-4,701.81	143.13	-13.86	156.99	0.912 Level 1		
11,950.00	7,826.41	13,052.32	7,737.52	119.00	127.42	0.48	-648.08	-4,703.74	108.19	-19.04	127.23	0.850 Level 1		
12,000.00	7,825.65	13,054.26	7,737.49	119.58	127.43	1.30	-649.25	-4,702.20	88.94	4.80	84.14	1.057 Level 2		
12,013.10	7,825.45	13,055.48	7,737.48	119.70	127.44	0.58	-649.99	-4,701.22	87.98	6.71	81.27	1.083 Level 2		
12,050.00	7,824.85	13,060.54	7,737.42	120.06	127.46	-3.49	-653.05	-4,697.20	95.28	-11.63	106.90	0.891 Level 1		
12,100.00	7,824.00	13,071.12	7,737.30	120.46	127.51	-13.42	-659.46	-4,688.78	122.63	-24.66	147.29	0.833 Level 1, ES, SF		
12,150.00	7,823.12	13,085.91	7,737.12	120.77	127.58	-26.71	-668.41	-4,677.01	159.61	-7.51	167.11	0.955 Level 1		
12,200.00	7,822.22	13,104.82	7,736.90	121.00	127.68	-40.20	-679.86	-4,661.96	199.85	23.45	176.39	1.133 Level 2		
12,250.00	7,821.30	13,127.68	7,736.63	121.17	127.79	-51.43	-693.70	-4,643.77	240.56	59.37	181.19	1.328 Level 3		
12,300.00	7,820.37	13,154.33	7,736.32	121.27	127.93	-59.80	-709.83	-4,622.56	280.34	96.41	183.93	1.524		
12,350.00	7,819.43	13,184.56	7,735.97	121.33	128.08	-65.80	-728.13	-4,598.50	318.38	132.72	185.66	1.715		
12,400.00	7,818.49	13,218.15	7,735.57	121.35	128.26	-70.09	-748.46	-4,571.76	354.10	167.25	186.85	1.895		
12,450.00	7,817.57	13,241.45	7,735.30	121.34	128.39	-72.72	-762.28	-4,553.01	387.66	194.86	192.80	2.011		
12,500.00	7,816.66	13,263.83	7,735.06	121.31	128.53	-74.76	-774.83	-4,534.48	419.63	220.70	198.93	2.109		
12,550.00	7,815.77	13,286.37	7,734.82	121.29	128.67	-76.40	-786.72	-4,515.34	449.89	245.12	204.78	2.197		
12,600.00	7,814.91	13,300.00	7,734.68	121.27	128.76	-77.59	-793.55	-4,503.54	478.51	265.92	212.59	2.251		
12,650.00	7,814.09	13,331.85	7,734.38	121.27	129.00	-78.85	-808.39	-4,475.36	504.94	289.28	215.66	2.341		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													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		
12,700.00	7,813.32	13,350.00	7,734.22	121.30	129.14	-79.71	-816.14	-4,458.95	529.62	308.00	221.61	2.390		
12,750.00	7,812.59	13,377.75	7,734.00	121.36	129.38	-80.53	-826.98	-4,433.41	552.20	326.75	225.45	2.449		
12,800.00	7,811.92	13,400.00	7,733.83	121.47	129.57	-81.16	-834.76	-4,412.57	572.75	342.74	230.02	2.490		
12,850.00	7,811.31	13,423.97	7,733.67	121.62	129.79	-81.70	-842.24	-4,389.80	591.20	357.16	234.04	2.526		
12,900.00	7,810.76	13,450.00	7,733.51	121.82	130.04	-82.15	-849.27	-4,364.74	607.50	369.96	237.54	2.557		
12,950.00	7,810.28	13,470.40	7,733.39	122.07	130.24	-82.50	-853.98	-4,344.89	621.58	380.24	241.34	2.576		
13,000.00	7,809.87	13,500.00	7,733.25	122.37	130.54	-82.81	-859.55	-4,315.82	633.52	389.54	243.98	2.597		
13,050.00	7,809.54	13,516.99	7,733.18	122.72	130.72	-83.02	-862.07	-4,299.02	643.08	395.84	247.24	2.601		
13,100.00	7,809.28	13,550.00	7,733.08	123.11	131.06	-83.20	-865.53	-4,266.20	650.59	401.41	249.18	2.611		
13,150.00	7,809.11	13,563.68	7,733.04	123.53	131.21	-83.30	-866.42	-4,252.55	655.51	403.87	251.63	2.605		
13,200.00	7,809.01	13,592.44	7,732.98	123.98	131.52	-83.36	-867.29	-4,223.80	658.24	405.09	253.15	2.600		
13,213.90	7,809.00	13,606.34	7,732.96	124.11	131.67	-83.37	-867.57	-4,209.91	658.41	404.97	253.44	2.598		
13,300.00	7,808.95	13,692.44	7,732.80	124.93	132.62	-83.36	-869.29	-4,123.82	658.44	403.18	255.26	2.579		
13,400.00	7,808.89	13,792.44	7,732.61	125.92	133.78	-83.35	-871.29	-4,023.84	658.47	401.01	257.46	2.558		
13,500.00	7,808.82	13,892.44	7,732.43	126.97	134.97	-83.34	-873.28	-3,923.86	658.50	398.74	259.75	2.535		
13,600.00	7,808.76	13,992.44	7,732.24	128.07	136.21	-83.33	-875.28	-3,823.88	658.53	396.39	262.14	2.512		
13,700.00	7,808.70	14,092.44	7,732.06	129.22	137.50	-83.32	-877.28	-3,723.90	658.56	393.95	264.60	2.489		
13,800.00	7,808.64	14,192.44	7,731.88	130.41	138.82	-83.31	-879.28	-3,623.92	658.59	391.43	267.16	2.465		
13,900.00	7,808.58	14,292.44	7,731.69	131.65	140.18	-83.30	-881.27	-3,523.94	658.62	388.82	269.79	2.441		
14,000.00	7,808.52	14,392.44	7,731.51	132.93	141.59	-83.29	-883.27	-3,423.96	658.65	386.14	272.51	2.417		
14,100.00	7,808.45	14,492.44	7,731.32	134.26	143.03	-83.28	-885.27	-3,323.98	658.68	383.37	275.31	2.393		
14,200.00	7,808.39	14,592.44	7,731.14	135.63	144.50	-83.26	-887.27	-3,224.00	658.71	380.53	278.17	2.368		
14,300.00	7,808.33	14,692.44	7,730.95	137.04	146.02	-83.25	-889.26	-3,124.02	658.74	377.62	281.12	2.343		
14,400.00	7,808.27	14,792.44	7,730.77	138.49	147.56	-83.24	-891.26	-3,024.04	658.77	374.64	284.13	2.319		
14,500.00	7,808.21	14,892.44	7,730.59	139.98	149.14	-83.23	-893.26	-2,924.06	658.80	371.59	287.21	2.294		
14,600.00	7,808.14	14,992.44	7,730.40	141.51	150.75	-83.22	-895.26	-2,824.08	658.83	368.47	290.36	2.269		
14,700.00	7,808.08	15,092.44	7,730.22	143.07	152.40	-83.21	-897.25	-2,724.10	658.86	365.29	293.57	2.244		
14,800.00	7,808.02	15,192.44	7,730.03	144.67	154.07	-83.20	-899.25	-2,624.12	658.89	362.04	296.84	2.220		
14,900.00	7,807.96	15,292.44	7,729.85	146.30	155.77	-83.19	-901.25	-2,524.14	658.92	358.74	300.18	2.195		
15,000.00	7,807.90	15,392.44	7,729.66	147.96	157.50	-83.18	-903.24	-2,424.16	658.95	355.38	303.57	2.171		
15,100.00	7,807.84	15,492.44	7,729.48	149.66	159.26	-83.17	-905.24	-2,324.18	658.98	351.96	307.02	2.146		
15,200.00	7,807.77	15,592.44	7,729.30	151.38	161.04	-83.16	-907.24	-2,224.20	659.01	348.49	310.52	2.122		
15,300.00	7,807.71	15,692.44	7,729.11	153.14	162.85	-83.15	-909.24	-2,124.22	659.04	344.96	314.07	2.098		
15,400.00	7,807.65	15,792.44	7,728.93	154.92	164.68	-83.14	-911.23	-2,024.24	659.07	341.39	317.68	2.075		
15,500.00	7,807.59	15,892.44	7,728.74	156.73	166.54	-83.13	-913.23	-1,924.26	659.10	337.77	321.33	2.051		
15,600.00	7,807.53	15,992.44	7,728.56	158.56	168.42	-83.12	-915.23	-1,824.28	659.13	334.10	325.03	2.028		
15,700.00	7,807.47	16,092.44	7,728.37	160.42	170.32	-83.11	-917.23	-1,724.30	659.16	330.38	328.78	2.005		
15,800.00	7,807.40	16,192.44	7,728.19	162.31	172.24	-83.10	-919.22	-1,624.32	659.19	326.62	332.57	1.982		
15,900.00	7,807.34	16,292.44	7,728.01	164.22	174.19	-83.09	-921.22	-1,524.35	659.22	322.82	336.40	1.960		
16,000.00	7,807.28	16,392.44	7,727.82	166.15	176.15	-83.08	-923.22	-1,424.37	659.25	318.97	340.27	1.937		
16,100.00	7,807.22	16,492.44	7,727.64	168.10	178.13	-83.07	-925.22	-1,324.39	659.28	315.09	344.19	1.915		
16,200.00	7,807.16	16,592.44	7,727.45	170.08	180.14	-83.06	-927.21	-1,224.41	659.31	311.17	348.14	1.894		
16,300.00	7,807.10	16,692.44	7,727.27	172.07	182.16	-83.05	-929.21	-1,124.43	659.34	307.21	352.13	1.872		
16,400.00	7,807.03	16,792.44	7,727.08	174.08	184.19	-83.04	-931.21	-1,024.45	659.37	303.22	356.15	1.851		
16,401.31	7,807.03	16,793.75	7,727.08	174.11	184.22	-83.04	-931.23	-1,023.14	659.37	303.16	356.21	1.851		
16,455.46	7,807.00	16,837.81	7,727.00	175.21	185.12	-83.03	-932.11	-979.08	659.46	301.30	358.16	1.841		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24-23 1AH - 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	0.32	100.19	0.56	100.19					
100.00	100.00	100.00	100.00	0.27	0.27	0.32	100.19	0.56	100.19	99.65	0.54	186.332		
200.00	200.00	200.00	200.00	0.63	0.63	0.32	100.19	0.56	100.19	98.94	1.25	79.857 CC, ES		
300.00	299.98	299.98	299.98	0.98	0.99	125.12	100.19	0.56	101.19	99.23	1.96	51.605		
400.69	400.52	397.35	397.33	1.33	1.33	126.93	101.70	-0.12	105.83	103.16	2.67	39.675		
500.00	499.59	493.01	492.86	1.69	1.68	128.49	106.11	-2.13	114.51	111.14	3.37	33.965		
600.00	599.35	588.81	588.32	2.06	2.03	129.10	113.43	-5.46	126.21	122.13	4.08	30.949		
700.00	699.10	683.90	682.75	2.43	2.39	128.95	123.57	-10.08	140.78	136.00	4.78	29.427		
800.00	798.86	781.02	778.87	2.80	2.77	128.36	136.22	-15.83	157.60	152.10	5.50	28.642		
900.00	898.61	879.55	876.36	3.18	3.17	127.85	149.23	-21.75	174.62	168.38	6.23	28.012		
1,000.00	998.37	978.08	973.85	3.55	3.58	127.42	162.23	-27.67	191.64	184.67	6.97	27.505		
1,100.00	1,098.12	1,076.61	1,071.34	3.93	3.98	127.07	175.24	-33.59	208.67	200.96	7.70	27.087		
1,200.00	1,197.88	1,175.14	1,168.83	4.31	4.39	126.77	188.25	-39.51	225.70	217.26	8.44	26.734		
1,300.00	1,297.63	1,273.68	1,266.32	4.68	4.81	126.51	201.26	-45.43	242.75	233.56	9.18	26.436		
1,400.00	1,397.38	1,372.21	1,363.81	5.06	5.22	126.29	214.27	-51.35	259.79	249.87	9.92	26.180		
1,500.00	1,497.14	1,470.74	1,461.30	5.44	5.64	126.09	227.28	-57.27	276.84	266.18	10.66	25.958		
1,600.00	1,596.89	1,569.27	1,558.79	5.82	6.05	125.91	240.28	-63.19	293.89	282.49	11.41	25.764		
1,700.00	1,696.65	1,667.80	1,656.28	6.19	6.47	125.76	253.29	-69.11	310.95	298.80	12.15	25.592		
1,800.00	1,796.40	1,766.33	1,753.77	6.57	6.89	125.62	266.30	-75.03	328.01	315.11	12.89	25.440		
1,900.00	1,896.16	1,864.87	1,851.26	6.95	7.31	125.50	279.31	-80.95	345.07	331.43	13.64	25.304		
2,000.00	1,995.91	1,963.40	1,948.75	7.33	7.73	125.38	292.32	-86.87	362.13	347.74	14.38	25.181		
2,100.00	2,095.67	2,061.93	2,046.24	7.71	8.14	125.28	305.32	-92.79	379.19	364.06	15.13	25.070		
2,200.00	2,195.42	2,160.46	2,143.73	8.09	8.56	125.19	318.33	-98.71	396.25	380.38	15.87	24.969		
2,300.00	2,295.18	2,258.99	2,241.21	8.46	8.98	125.10	331.34	-104.63	413.31	396.70	16.61	24.877		
2,400.00	2,394.93	2,357.52	2,338.70	8.84	9.40	125.02	344.35	-110.55	430.38	413.02	17.36	24.793		
2,500.00	2,494.69	2,456.06	2,436.19	9.22	9.82	124.95	357.36	-116.47	447.44	429.34	18.10	24.715		
2,600.00	2,594.44	2,554.59	2,533.68	9.60	10.24	124.88	370.37	-122.38	464.51	445.66	18.85	24.644		
2,700.00	2,694.20	2,653.12	2,631.17	9.98	10.67	124.81	383.37	-128.30	481.57	461.98	19.59	24.577		
2,800.00	2,793.95	2,751.65	2,728.66	10.36	11.09	124.76	396.38	-134.22	498.64	478.30	20.34	24.516		
2,900.00	2,893.71	2,850.18	2,826.15	10.74	11.51	124.70	409.39	-140.14	515.71	494.62	21.08	24.459		
3,000.00	2,993.46	2,948.71	2,923.64	11.12	11.93	124.65	422.40	-146.06	532.77	510.94	21.83	24.405		
3,100.00	3,093.22	3,047.25	3,021.13	11.49	12.35	124.60	435.41	-151.98	549.84	527.27	22.58	24.355		
3,200.00	3,192.97	3,145.78	3,118.62	11.87	12.77	124.55	448.42	-157.90	566.91	543.59	23.32	24.309		
3,300.00	3,292.72	3,244.31	3,216.11	12.25	13.19	124.51	461.42	-163.82	583.98	559.91	24.07	24.265		
3,400.00	3,392.48	3,342.84	3,313.60	12.63	13.61	124.47	474.43	-169.74	601.05	576.23	24.81	24.223		
3,500.00	3,492.23	3,441.37	3,411.09	13.01	14.03	124.43	487.44	-175.66	618.12	592.56	25.56	24.184		
3,600.00	3,591.99	3,539.90	3,508.58	13.39	14.46	124.40	500.45	-181.58	635.19	608.88	26.30	24.147		
3,700.00	3,691.74	3,638.44	3,606.07	13.77	14.88	124.36	513.46	-187.50	652.26	625.21	27.05	24.113		
3,800.00	3,791.50	3,736.97	3,703.56	14.15	15.30	124.33	526.46	-193.42	669.33	641.53	27.80	24.080		
3,900.00	3,891.25	3,835.50	3,801.05	14.53	15.72	124.30	539.47	-199.34	686.40	657.85	28.54	24.048		
4,000.00	3,991.01	3,934.03	3,898.54	14.90	16.14	124.27	552.48	-205.26	703.47	674.18	29.29	24.018		
4,100.00	4,090.76	4,032.56	3,996.03	15.28	16.56	124.24	565.49	-211.18	720.54	690.50	30.03	23.990		
4,200.00	4,190.52	4,131.09	4,093.52	15.66	16.99	124.22	578.50	-217.10	737.61	706.83	30.78	23.963		
4,300.00	4,290.27	4,229.63	4,191.01	16.04	17.41	124.19	591.51	-223.02	754.68	723.15	31.53	23.937		
4,400.00	4,390.03	4,328.16	4,288.50	16.42	17.83	124.17	604.51	-228.94	771.75	739.47	32.27	23.913		
4,500.00	4,489.78	4,426.69	4,385.99	16.80	18.25	124.14	617.52	-234.86	788.82	755.80	33.02	23.889		
4,600.00	4,589.54	4,525.22	4,483.48	17.18	18.67	124.12	630.53	-240.78	805.89	772.12	33.77	23.867		
4,700.00	4,689.29	4,623.75	4,580.97	17.56	19.09	124.10	643.54	-246.70	822.96	788.45	34.51	23.845		
4,800.00	4,789.05	4,722.28	4,678.46	17.94	19.52	124.08	656.55	-252.62	840.03	804.77	35.26	23.825		
4,900.00	4,888.80	4,820.82	4,775.94	18.31	19.94	124.06	669.56	-258.54	857.10	821.10	36.01	23.805		
5,000.00	4,988.56	4,919.35	4,873.43	18.69	20.36	124.04	682.56	-264.46	874.18	837.42	36.75	23.786		
5,100.00	5,088.31	5,017.88	4,970.92	19.07	20.78	124.02	695.57	-270.38	891.25	853.75	37.50	23.767		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24-23 1AH - 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	5,188.06	5,116.41	5,068.41	19.45	21.20	124.00	708.58	-276.29	908.32	870.07	38.25	23.750		
5,300.00	5,287.82	5,214.94	5,165.90	19.83	21.63	123.99	721.59	-282.21	925.39	886.40	38.99	23.733		
5,400.00	5,387.57	5,313.47	5,263.39	20.21	22.05	123.97	734.60	-288.13	942.46	902.72	39.74	23.716		
5,500.00	5,487.33	5,412.01	5,360.88	20.59	22.47	123.96	747.60	-294.05	959.53	919.05	40.49	23.701		
5,600.00	5,587.08	5,510.54	5,458.37	20.97	22.89	123.94	760.61	-299.97	976.61	935.37	41.23	23.685		
5,700.00	5,686.84	5,609.07	5,555.86	21.35	23.31	123.93	773.62	-305.89	993.68	951.70	41.98	23.671		
5,800.00	5,786.59	5,707.60	5,653.35	21.72	23.74	123.91	786.63	-311.81	1,010.75	968.03	42.73	23.657		
5,900.00	5,886.35	5,806.13	5,750.84	22.10	24.16	123.90	799.64	-317.73	1,027.82	984.35	43.47	23.643		
6,000.00	5,986.10	5,904.66	5,848.33	22.48	24.58	123.89	812.65	-323.65	1,044.90	1,000.68	44.22	23.630		
6,100.00	6,085.86	6,003.20	5,945.82	22.86	25.00	123.87	825.65	-329.57	1,061.97	1,017.00	44.97	23.617		
6,200.00	6,185.61	6,101.73	6,043.31	23.24	25.43	123.86	838.66	-335.49	1,079.04	1,033.33	45.71	23.604		
6,300.00	6,285.37	6,200.26	6,140.80	23.62	25.85	123.85	851.67	-341.41	1,096.11	1,049.65	46.46	23.592		
6,400.00	6,385.12	6,298.79	6,238.29	24.00	26.27	123.84	864.68	-347.33	1,113.18	1,065.98	47.21	23.580		
6,500.00	6,484.88	6,397.32	6,335.78	24.38	26.69	123.83	877.69	-353.25	1,130.26	1,082.30	47.96	23.569		
6,600.00	6,584.63	6,495.85	6,433.27	24.76	27.11	123.81	890.70	-359.17	1,147.33	1,098.63	48.70	23.558		
6,700.00	6,684.39	6,594.39	6,530.76	25.14	27.54	123.80	903.70	-365.09	1,164.40	1,114.95	49.45	23.547		
6,800.00	6,784.14	6,692.92	6,628.25	25.51	27.96	123.79	916.71	-371.01	1,181.47	1,131.28	50.20	23.537		
6,900.00	6,883.90	6,791.45	6,725.74	25.89	28.38	123.78	929.72	-376.93	1,198.55	1,147.60	50.94	23.527		
7,000.00	6,983.65	6,889.98	6,823.23	26.27	28.80	123.77	942.73	-382.85	1,215.62	1,163.93	51.69	23.517		
7,100.00	7,083.40	6,988.51	6,920.72	26.65	29.22	123.76	955.74	-388.77	1,232.69	1,180.25	52.44	23.507		
7,200.00	7,183.16	7,087.04	7,018.21	27.03	29.65	123.76	968.75	-394.69	1,249.77	1,196.58	53.19	23.498		
7,298.28	7,281.20	7,183.53	7,113.65	27.40	30.06	123.73	981.48	-400.76	1,266.55	1,212.63	53.92	23.489		
7,300.00	7,282.91	7,185.19	7,115.29	27.41	30.07	122.33	981.70	-400.91	1,266.84	1,212.91	53.93	23.489		
7,350.00	7,332.59	7,233.40	7,162.61	27.61	30.29	102.80	988.07	-407.45	1,275.33	1,221.01	54.32	23.477		
7,400.00	7,381.62	7,281.52	7,209.13	27.82	30.52	96.35	994.38	-417.95	1,283.67	1,228.93	54.74	23.450		
7,450.00	7,429.64	7,329.58	7,254.55	28.05	30.77	92.89	1,000.59	-432.33	1,291.78	1,236.60	55.19	23.406		
7,500.00	7,476.29	7,377.60	7,298.58	28.30	31.02	90.57	1,006.67	-450.48	1,299.62	1,243.95	55.67	23.345		
7,550.00	7,521.20	7,425.61	7,340.92	28.56	31.29	88.84	1,012.58	-472.29	1,307.11	1,250.93	56.19	23.264		
7,600.00	7,564.03	7,473.63	7,381.31	28.83	31.57	87.45	1,018.28	-497.60	1,314.21	1,257.47	56.74	23.161		
7,650.00	7,604.47	7,521.67	7,419.47	29.13	31.86	86.29	1,023.72	-526.25	1,320.85	1,263.51	57.34	23.035		
7,700.00	7,642.19	7,569.76	7,455.15	29.45	32.17	85.32	1,028.88	-558.07	1,326.99	1,269.00	57.99	22.882		
7,750.00	7,676.92	7,617.90	7,488.08	29.79	32.50	84.49	1,033.71	-592.83	1,332.58	1,273.87	58.70	22.700		
7,800.00	7,708.39	7,666.11	7,518.04	30.17	32.85	83.79	1,038.18	-630.31	1,337.58	1,278.09	59.48	22.487		
7,850.00	7,736.35	7,714.40	7,544.81	30.59	33.22	83.21	1,042.27	-670.28	1,341.95	1,281.61	60.34	22.241		
7,900.00	7,760.61	7,762.76	7,568.17	31.04	33.63	82.73	1,045.93	-712.44	1,345.65	1,284.38	61.27	21.963		
7,950.00	7,780.97	7,811.20	7,587.95	31.53	34.07	82.36	1,049.14	-756.52	1,348.67	1,286.38	62.29	21.653		
8,000.00	7,797.27	7,859.71	7,604.00	32.07	34.54	82.08	1,051.88	-802.21	1,350.97	1,287.59	63.38	21.314		
8,050.00	7,809.40	7,908.31	7,616.16	32.65	35.05	81.90	1,054.12	-849.19	1,352.54	1,287.98	64.56	20.949		
8,100.00	7,817.26	7,956.97	7,624.35	33.27	35.58	81.81	1,055.85	-897.11	1,353.37	1,287.56	65.81	20.564		
8,150.00	7,820.79	8,005.69	7,628.47	33.92	36.15	81.82	1,057.04	-945.63	1,353.45	1,286.33	67.13	20.163		
8,163.06	7,821.00	8,018.43	7,628.88	34.09	36.31	81.84	1,057.27	-958.36	1,353.35	1,285.87	67.48	20.056		
8,200.00	7,821.16	8,055.07	7,629.00	34.60	36.76	81.83	1,057.77	-995.00	1,352.99	1,284.49	68.51	19.750		
8,300.00	7,821.60	8,155.06	7,629.00	36.08	38.10	81.81	1,059.11	-1,094.98	1,352.04	1,280.55	71.49	18.913		
8,400.00	7,822.03	8,255.06	7,629.00	37.69	39.58	81.78	1,060.44	-1,194.97	1,351.08	1,276.35	74.73	18.081		
8,500.00	7,822.47	8,355.05	7,629.00	39.43	41.19	81.76	1,061.78	-1,294.95	1,350.12	1,271.93	78.19	17.266		
8,600.00	7,822.90	8,455.05	7,629.00	41.27	42.92	81.73	1,063.12	-1,394.94	1,349.16	1,267.30	81.86	16.481		
8,700.00	7,823.34	8,555.04	7,629.00	43.20	44.74	81.71	1,064.45	-1,494.92	1,348.21	1,262.50	85.71	15.730		
8,800.00	7,823.78	8,655.03	7,629.00	45.21	46.66	81.68	1,065.79	-1,594.91	1,347.25	1,257.54	89.71	15.018		
8,900.00	7,824.21	8,755.03	7,629.00	47.29	48.65	81.66	1,067.12	-1,694.89	1,346.30	1,252.46	93.84	14.347		
9,000.00	7,824.65	8,855.02	7,629.00	49.44	50.72	81.64	1,068.46	-1,794.88	1,345.34	1,247.25	98.09	13.716		
9,100.00	7,825.08	8,955.01	7,629.00	51.63	52.84	81.61	1,069.80	-1,894.86	1,344.38	1,241.95	102.44	13.124		
9,200.00	7,825.52	9,055.01	7,629.00	53.87	55.01	81.59	1,071.13	-1,994.85	1,343.43	1,236.55	106.88	12.570		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													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		
9,300.00	7,825.95	9,155.00	7,629.00	56.15	57.23	81.56	1,072.47	-2,094.83	1,342.47	1,231.08	111.40	12.051		
9,400.00	7,826.39	9,255.00	7,629.00	58.47	59.49	81.54	1,073.80	-2,194.82	1,341.52	1,225.54	115.98	11.567		
9,500.00	7,826.82	9,354.99	7,629.00	60.82	61.79	81.51	1,075.14	-2,294.80	1,340.56	1,219.93	120.63	11.113		
9,600.00	7,827.26	9,454.98	7,629.00	63.19	64.12	81.49	1,076.48	-2,394.79	1,339.61	1,214.28	125.33	10.688		
9,700.00	7,827.70	9,554.98	7,629.00	65.59	66.47	81.46	1,077.81	-2,494.77	1,338.66	1,208.57	130.08	10.291		
9,800.00	7,828.13	9,654.97	7,629.00	68.02	68.86	81.44	1,079.15	-2,594.76	1,337.70	1,202.82	134.88	9.918		
9,900.00	7,828.57	9,754.96	7,629.00	70.46	71.26	81.41	1,080.48	-2,694.74	1,336.75	1,197.04	139.71	9.568		
10,000.00	7,829.00	9,854.96	7,629.00	72.92	73.69	81.39	1,081.82	-2,794.73	1,335.79	1,191.22	144.58	9.239		
10,100.00	7,829.44	9,954.95	7,629.00	75.40	76.14	81.36	1,083.16	-2,894.71	1,334.84	1,185.37	149.48	8.930		
10,200.00	7,829.87	10,054.95	7,629.00	77.89	78.60	81.34	1,084.49	-2,994.70	1,333.89	1,179.49	154.40	8.639		
10,300.00	7,830.31	10,154.94	7,629.00	80.40	81.08	81.31	1,085.83	-3,094.68	1,332.94	1,173.58	159.35	8.365		
10,400.00	7,830.75	10,254.93	7,629.00	82.92	83.57	81.29	1,087.16	-3,194.66	1,331.98	1,167.65	164.33	8.106		
10,500.00	7,831.18	10,354.93	7,629.00	85.45	86.07	81.26	1,088.50	-3,294.65	1,331.03	1,161.71	169.33	7.861		
10,600.00	7,831.62	10,454.92	7,629.00	87.99	88.59	81.23	1,089.84	-3,394.63	1,330.08	1,155.74	174.34	7.629		
10,700.00	7,832.05	10,554.91	7,629.00	90.54	91.11	81.21	1,091.17	-3,494.62	1,329.13	1,149.75	179.37	7.410		
10,800.00	7,832.49	10,654.91	7,629.00	93.09	93.65	81.18	1,092.51	-3,594.60	1,328.18	1,143.75	184.42	7.202		
10,900.00	7,832.92	10,754.90	7,629.00	95.66	96.19	81.16	1,093.84	-3,694.59	1,327.23	1,137.74	189.49	7.004		
10,917.50	7,833.00	10,772.40	7,629.00	96.11	96.64	81.15	1,094.08	-3,712.09	1,327.06	1,136.69	190.37	6.971		
10,923.06	7,833.02	10,777.96	7,629.00	96.25	96.78	81.16	1,094.15	-3,717.65	1,327.03	1,136.38	190.66	6.960		
10,950.00	7,833.12	10,804.89	7,629.00	96.94	97.47	81.15	1,094.51	-3,744.57	1,327.66	1,135.63	192.02	6.914		
11,000.00	7,833.19	10,854.67	7,629.00	98.21	98.74	81.11	1,095.18	-3,794.35	1,332.11	1,137.55	194.56	6.847		
11,050.00	7,833.13	10,903.87	7,629.00	99.46	100.00	81.00	1,095.84	-3,843.55	1,340.81	1,143.74	197.07	6.804		
11,100.00	7,832.95	10,952.12	7,629.00	100.67	101.23	80.83	1,096.48	-3,891.79	1,353.70	1,154.17	199.52	6.785		
11,118.68	7,832.85	10,969.82	7,629.00	101.11	101.69	80.74	1,096.72	-3,909.49	1,359.56	1,159.14	200.42	6.783 SF		
11,200.00	7,832.38	11,046.47	7,629.00	103.01	103.65	80.94	1,097.74	-3,986.13	1,386.37	1,182.04	204.32	6.785		
11,300.00	7,831.80	11,140.72	7,629.00	105.35	106.08	81.18	1,099.00	-4,080.37	1,419.34	1,210.22	209.12	6.787		
11,400.00	7,831.22	11,234.97	7,629.00	107.70	108.51	81.40	1,100.26	-4,174.62	1,452.34	1,238.41	213.92	6.789		
11,500.00	7,830.64	11,329.22	7,629.00	110.06	110.95	81.61	1,101.52	-4,268.86	1,485.35	1,266.62	218.73	6.791		
11,600.00	7,830.06	11,423.48	7,629.00	112.42	113.39	81.82	1,102.78	-4,363.10	1,518.38	1,294.83	223.55	6.792		
11,613.00	7,829.98	11,435.73	7,629.00	112.73	113.70	81.84	1,102.94	-4,375.35	1,522.67	1,298.50	224.18	6.792		
11,650.00	7,829.74	11,470.18	7,629.00	113.59	114.60	81.67	1,103.40	-4,409.80	1,536.01	1,310.07	225.93	6.798		
11,700.00	7,829.36	11,515.21	7,629.00	114.70	115.77	81.37	1,104.00	-4,454.83	1,557.46	1,329.25	228.21	6.825		
11,750.00	7,828.90	11,558.18	7,629.00	115.74	116.88	80.99	1,104.58	-4,497.79	1,582.73	1,352.36	230.37	6.870		
11,800.00	7,828.37	11,598.76	7,629.00	116.69	117.94	80.49	1,105.12	-4,538.37	1,611.61	1,379.23	232.38	6.935		
11,850.00	7,827.78	11,636.64	7,629.00	117.55	118.92	79.86	1,105.63	-4,576.25	1,643.90	1,409.67	234.23	7.018		
11,900.00	7,827.13	11,671.54	7,629.00	118.32	119.83	79.04	1,106.09	-4,611.14	1,679.34	1,443.44	235.91	7.119		
11,950.00	7,826.41	11,703.18	7,629.00	119.00	120.65	77.98	1,106.52	-4,642.78	1,717.68	1,480.29	237.40	7.235		
12,000.00	7,825.65	11,731.33	7,629.00	119.58	121.39	76.56	1,106.89	-4,670.93	1,758.63	1,519.93	238.70	7.367		
12,050.00	7,824.85	11,755.78	7,629.00	120.06	122.02	74.60	1,107.22	-4,695.38	1,801.86	1,562.05	239.81	7.514		
12,100.00	7,824.00	11,776.33	7,629.00	120.46	122.56	71.78	1,107.49	-4,715.93	1,847.07	1,606.34	240.73	7.673		
12,150.00	7,823.12	11,792.83	7,629.00	120.77	122.99	67.41	1,107.71	-4,732.43	1,893.89	1,652.44	241.45	7.844		
12,200.00	7,822.22	11,805.16	7,629.00	121.00	123.31	60.00	1,107.88	-4,744.75	1,941.99	1,700.00	241.99	8.025		
12,250.00	7,821.30	11,813.22	7,629.00	121.17	123.52	45.63	1,107.99	-4,752.81	1,990.98	1,748.63	242.35	8.215		
12,300.00	7,820.37	11,816.95	7,629.00	121.27	123.62	15.37	1,108.04	-4,756.54	2,040.50	1,797.96	242.54	8.413		
12,350.00	7,819.43	11,816.32	7,629.00	121.33	123.60	-27.02	1,108.03	-4,755.91	2,090.17	1,847.60	242.57	8.617		
12,400.00	7,818.49	11,811.33	7,629.00	121.35	123.47	-53.11	1,107.96	-4,750.93	2,139.61	1,897.16	242.45	8.825		
12,450.00	7,817.57	11,802.04	7,629.00	121.34	123.23	-65.48	1,107.84	-4,741.63	2,188.45	1,946.24	242.21	9.035		
12,500.00	7,816.66	11,788.49	7,629.00	121.31	122.88	-72.06	1,107.66	-4,728.09	2,236.30	1,994.46	241.84	9.247		
12,550.00	7,815.77	11,770.81	7,629.00	121.29	122.41	-76.03	1,107.42	-4,710.40	2,282.81	2,041.43	241.38	9.457		
12,600.00	7,814.91	11,749.11	7,629.00	121.27	121.85	-78.65	1,107.13	-4,688.71	2,327.62	2,086.79	240.82	9.665		
12,650.00	7,814.09	11,723.58	7,629.00	121.27	121.18	-80.50	1,106.79	-4,663.18	2,370.38	2,130.18	240.19	9.869		
12,700.00	7,813.32	11,694.39	7,629.00	121.30	120.42	-81.86	1,106.40	-4,634.00	2,410.77	2,171.27	239.50	10.066		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24-23 1AH - 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		
12,750.00	7,812.59	11,661.78	7,629.00	121.36	119.58	-82.89	1,105.96	-4,601.39	2,448.48	2,209.71	238.77	10.255		
12,800.00	7,811.92	11,626.00	7,629.00	121.47	118.64	-83.69	1,105.48	-4,565.61	2,483.22	2,245.23	237.99	10.434		
12,850.00	7,811.31	11,587.31	7,629.00	121.62	117.64	-84.32	1,104.97	-4,526.92	2,514.73	2,277.54	237.20	10.602		
12,900.00	7,810.76	11,546.00	7,629.00	121.82	116.57	-84.82	1,104.42	-4,485.62	2,542.77	2,306.38	236.38	10.757		
12,950.00	7,810.28	11,502.40	7,629.00	122.07	115.43	-85.21	1,103.83	-4,442.02	2,567.11	2,331.55	235.56	10.898		
13,000.00	7,809.87	11,456.84	7,629.00	122.37	114.25	-85.52	1,103.22	-4,396.46	2,587.58	2,352.84	234.73	11.023		
13,050.00	7,809.54	11,409.66	7,629.00	122.72	113.03	-85.75	1,102.59	-4,349.29	2,604.01	2,370.10	233.91	11.133		
13,100.00	7,809.28	11,361.22	7,629.00	123.11	111.77	-85.91	1,101.95	-4,300.85	2,616.29	2,383.20	233.09	11.224		
13,150.00	7,809.11	11,311.89	7,629.00	123.53	110.50	-86.02	1,101.29	-4,251.53	2,624.32	2,392.04	232.27	11.298		
13,200.00	7,809.01	11,262.04	7,629.00	123.98	109.21	-86.07	1,100.62	-4,201.69	2,628.03	2,396.56	231.47	11.354		
13,213.90	7,809.00	11,248.15	7,629.00	124.11	108.85	-86.07	1,100.44	-4,187.79	2,628.29	2,397.05	231.24	11.366		
13,300.00	7,808.95	11,162.05	7,629.00	124.93	106.63	-86.07	1,099.29	-4,101.70	2,628.87	2,398.99	229.88	11.436		
13,400.00	7,808.89	11,062.05	7,629.00	125.92	104.06	-86.08	1,097.95	-4,001.71	2,629.54	2,401.19	228.35	11.516		
13,500.00	7,808.82	10,962.05	7,629.00	126.97	101.49	-86.08	1,096.61	-3,901.72	2,630.21	2,403.34	226.87	11.594		
13,600.00	7,808.76	10,862.06	7,629.00	128.07	98.93	-86.08	1,095.28	-3,801.73	2,630.88	2,405.44	225.44	11.670		
13,700.00	7,808.70	10,762.06	7,629.00	129.22	96.37	-86.08	1,093.94	-3,701.74	2,631.55	2,407.48	224.07	11.744		
13,800.00	7,808.64	10,662.06	7,629.00	130.41	93.83	-86.09	1,092.60	-3,601.76	2,632.22	2,409.47	222.75	11.817		
13,900.00	7,808.58	10,562.06	7,629.00	131.65	91.29	-86.09	1,091.27	-3,501.77	2,632.89	2,411.41	221.49	11.887		
14,000.00	7,808.52	10,462.06	7,629.00	132.93	88.77	-86.09	1,089.93	-3,401.78	2,633.57	2,413.30	220.27	11.956		
14,100.00	7,808.45	10,362.07	7,629.00	134.26	86.25	-86.09	1,088.60	-3,301.79	2,634.24	2,415.13	219.10	12.023		
14,200.00	7,808.39	10,262.07	7,629.00	135.63	83.74	-86.10	1,087.26	-3,201.80	2,634.91	2,416.92	217.99	12.088		
14,300.00	7,808.33	10,162.07	7,629.00	137.04	81.25	-86.10	1,085.92	-3,101.81	2,635.58	2,418.66	216.92	12.150		
14,400.00	7,808.27	10,062.07	7,629.00	138.49	78.77	-86.10	1,084.59	-3,001.82	2,636.25	2,420.35	215.90	12.211		
14,500.00	7,808.21	9,962.08	7,629.00	139.98	76.31	-86.10	1,083.25	-2,901.83	2,636.92	2,421.99	214.93	12.269		
14,600.00	7,808.14	9,862.08	7,629.00	141.51	73.86	-86.11	1,081.92	-2,801.85	2,637.59	2,423.58	214.01	12.324		
14,700.00	7,808.08	9,762.08	7,629.00	143.07	71.44	-86.11	1,080.58	-2,701.86	2,638.26	2,425.12	213.14	12.378		
14,800.00	7,808.02	9,662.08	7,629.00	144.67	69.03	-86.11	1,079.24	-2,601.87	2,638.93	2,426.61	212.33	12.429		
14,900.00	7,807.96	9,562.09	7,629.00	146.30	66.64	-86.11	1,077.91	-2,501.88	2,639.61	2,428.05	211.56	12.477		
15,000.00	7,807.90	9,462.09	7,629.00	147.96	64.28	-86.11	1,076.57	-2,401.89	2,640.28	2,429.43	210.85	12.522		
15,100.00	7,807.84	9,362.09	7,629.00	149.66	61.95	-86.12	1,075.23	-2,301.90	2,640.95	2,430.76	210.19	12.565		
15,200.00	7,807.77	9,262.09	7,629.00	151.38	59.65	-86.12	1,073.90	-2,201.91	2,641.62	2,432.04	209.58	12.604		
15,300.00	7,807.71	9,162.09	7,629.00	153.14	57.39	-86.12	1,072.56	-2,101.92	2,642.29	2,433.25	209.04	12.640		
15,400.00	7,807.65	9,062.10	7,629.00	154.92	55.17	-86.12	1,071.23	-2,001.94	2,642.96	2,434.41	208.55	12.673		
15,500.00	7,807.59	8,962.10	7,629.00	156.73	52.99	-86.13	1,069.89	-1,901.95	2,643.63	2,435.50	208.14	12.701		
15,600.00	7,807.53	8,862.10	7,629.00	158.56	50.86	-86.13	1,068.55	-1,801.96	2,644.30	2,436.52	207.79	12.726		
15,700.00	7,807.47	8,762.10	7,629.00	160.42	48.80	-86.13	1,067.22	-1,701.97	2,644.97	2,437.46	207.51	12.746		
15,800.00	7,807.40	8,662.11	7,629.00	162.31	46.80	-86.13	1,065.88	-1,601.98	2,645.65	2,438.32	207.32	12.761		
15,900.00	7,807.34	8,562.11	7,629.00	164.22	44.88	-86.14	1,064.55	-1,501.99	2,646.32	2,439.10	207.22	12.770		
16,000.00	7,807.28	8,462.11	7,629.00	166.15	43.04	-86.14	1,063.21	-1,402.00	2,646.99	2,439.77	207.22	12.774		
16,100.00	7,807.22	8,362.11	7,629.00	168.10	41.31	-86.14	1,061.87	-1,302.01	2,647.66	2,440.34	207.32	12.771		
16,200.00	7,807.16	8,262.12	7,629.00	170.08	39.69	-86.14	1,060.54	-1,202.03	2,648.33	2,440.78	207.55	12.760		
16,300.00	7,807.10	8,162.12	7,629.00	172.07	38.20	-86.14	1,059.20	-1,102.04	2,649.00	2,441.09	207.91	12.741		
16,400.00	7,807.03	8,062.12	7,629.00	174.08	36.85	-86.15	1,057.87	-1,002.05	2,649.67	2,441.26	208.41	12.713		
16,455.46	7,807.00	7,996.61	7,628.02	175.21	36.05	-86.13	1,056.86	-936.56	2,650.00	2,441.37	208.63	12.702		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 1AH - 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	0.27	120.23	0.56	120.23					
100.00	100.00	100.00	100.00	0.27	0.13	0.27	120.23	0.56	120.23	119.82	0.40	298.121	CC, ES	
200.00	200.00	196.73	196.71	0.63	0.48	-0.20	121.53	-0.42	121.57	120.46	1.11	109.245		
300.00	299.98	293.23	293.08	0.98	0.84	123.03	125.43	-3.36	126.60	124.79	1.82	69.687		
400.69	400.52	389.86	389.36	1.33	1.20	122.63	131.92	-8.26	136.33	133.80	2.53	53.835		
500.00	499.59	484.45	483.30	1.69	1.57	122.27	140.79	-14.95	149.53	146.29	3.25	46.061		
600.00	599.35	578.88	576.66	2.06	1.96	121.33	152.11	-23.48	165.51	161.54	3.97	41.718		
700.00	699.10	672.30	668.50	2.43	2.38	120.02	165.71	-33.75	184.22	179.53	4.69	39.269		
800.00	798.86	766.88	760.94	2.80	2.82	118.51	181.69	-45.80	205.47	200.05	5.43	37.873		
900.00	898.61	864.35	856.09	3.18	3.29	117.17	198.55	-58.52	227.30	221.12	6.18	36.762		
1,000.00	998.37	961.81	951.23	3.55	3.77	116.06	215.41	-71.24	249.22	242.29	6.93	35.954		
1,100.00	1,098.12	1,059.27	1,046.38	3.93	4.26	115.13	232.28	-83.96	271.22	263.53	7.70	35.246		
1,200.00	1,197.88	1,156.74	1,141.53	4.31	4.74	114.34	249.14	-96.68	293.28	284.82	8.46	34.685		
1,300.00	1,297.63	1,254.20	1,236.68	4.68	5.23	113.66	266.01	-109.40	315.38	306.16	9.22	34.219		
1,400.00	1,397.38	1,351.66	1,331.82	5.06	5.72	113.08	282.87	-122.12	337.52	327.54	9.98	33.827		
1,500.00	1,497.14	1,449.13	1,426.97	5.44	6.21	112.56	299.73	-134.84	359.69	348.95	10.74	33.491		
1,600.00	1,596.89	1,546.59	1,522.12	5.82	6.70	112.10	316.60	-147.57	381.88	370.38	11.50	33.202		
1,700.00	1,696.65	1,644.06	1,617.26	6.19	7.20	111.69	333.46	-160.29	404.09	391.83	12.26	32.949		
1,800.00	1,796.40	1,741.52	1,712.41	6.57	7.69	111.33	350.33	-173.01	426.33	413.30	13.03	32.727		
1,900.00	1,896.16	1,838.98	1,807.56	6.95	8.18	111.00	367.19	-185.73	448.57	434.78	13.79	32.530		
2,000.00	1,995.91	1,936.45	1,902.70	7.33	8.68	110.70	384.06	-198.45	470.83	456.28	14.55	32.354		
2,100.00	2,095.67	2,033.91	1,997.85	7.71	9.17	110.43	400.92	-211.17	493.10	477.78	15.32	32.196		
2,200.00	2,195.42	2,131.37	2,093.00	8.09	9.67	110.19	417.78	-223.89	515.38	499.30	16.08	32.054		
2,300.00	2,295.18	2,228.84	2,188.15	8.46	10.16	109.96	434.65	-236.61	537.66	520.82	16.84	31.925		
2,400.00	2,394.93	2,326.30	2,283.29	8.84	10.66	109.75	451.51	-249.33	559.96	542.35	17.60	31.807		
2,500.00	2,494.69	2,423.76	2,378.44	9.22	11.15	109.56	468.38	-262.05	582.26	563.89	18.37	31.699		
2,600.00	2,594.44	2,521.23	2,473.59	9.60	11.65	109.38	485.24	-274.77	604.57	585.43	19.13	31.600		
2,700.00	2,694.20	2,618.69	2,568.73	9.98	12.14	109.22	502.10	-287.50	626.88	606.98	19.90	31.509		
2,800.00	2,793.95	2,716.16	2,663.88	10.36	12.64	109.06	518.97	-300.22	649.20	628.54	20.66	31.425		
2,900.00	2,893.71	2,813.62	2,759.03	10.74	13.13	108.92	535.83	-312.94	671.52	650.09	21.42	31.347		
3,000.00	2,993.46	2,911.08	2,854.17	11.12	13.63	108.78	552.70	-325.66	693.84	671.65	22.19	31.274		
3,100.00	3,093.22	3,008.55	2,949.32	11.49	14.13	108.66	569.56	-338.38	716.17	693.22	22.95	31.206		
3,200.00	3,192.97	3,106.01	3,044.47	11.87	14.62	108.54	586.43	-351.10	738.50	714.79	23.71	31.143		
3,300.00	3,292.72	3,203.47	3,139.61	12.25	15.12	108.43	603.29	-363.82	760.83	736.36	24.48	31.083		
3,400.00	3,392.48	3,300.94	3,234.76	12.63	15.61	108.32	620.15	-376.54	783.17	757.93	25.24	31.028		
3,500.00	3,492.23	3,398.40	3,329.91	13.01	16.11	108.22	637.02	-389.26	805.51	779.50	26.01	30.975		
3,600.00	3,591.99	3,495.86	3,425.06	13.39	16.61	108.13	653.88	-401.98	827.85	801.08	26.77	30.926		
3,700.00	3,691.74	3,593.33	3,520.20	13.77	17.10	108.04	670.75	-414.70	850.19	822.66	27.53	30.879		
3,800.00	3,791.50	3,690.79	3,615.35	14.15	17.60	107.95	687.61	-427.43	872.54	844.24	28.30	30.835		
3,900.00	3,891.25	3,788.26	3,710.50	14.53	18.10	107.87	704.47	-440.15	894.88	865.82	29.06	30.793		
4,000.00	3,991.01	3,885.72	3,805.64	14.90	18.59	107.80	721.34	-452.87	917.23	887.41	29.83	30.754		
4,100.00	4,090.76	3,983.18	3,900.79	15.28	19.09	107.72	738.20	-465.59	939.58	908.99	30.59	30.716		
4,200.00	4,190.52	4,080.65	3,995.94	15.66	19.58	107.65	755.07	-478.31	961.93	930.58	31.35	30.680		
4,300.00	4,290.27	4,178.11	4,091.08	16.04	20.08	107.59	771.93	-491.03	984.29	952.17	32.12	30.646		
4,400.00	4,390.03	4,275.57	4,186.23	16.42	20.58	107.52	788.80	-503.75	1,006.64	973.76	32.88	30.613		
4,500.00	4,489.78	4,373.04	4,281.38	16.80	21.07	107.46	805.66	-516.47	1,028.99	995.35	33.65	30.582		
4,600.00	4,589.54	4,470.50	4,376.52	17.18	21.57	107.40	822.52	-529.19	1,051.35	1,016.94	34.41	30.553		
4,700.00	4,689.29	4,567.97	4,471.67	17.56	22.07	107.35	839.39	-541.91	1,073.71	1,038.53	35.18	30.524		
4,800.00	4,789.05	4,665.43	4,566.82	17.94	22.56	107.30	856.25	-554.64	1,096.07	1,060.12	35.94	30.497		
4,900.00	4,888.80	4,762.89	4,661.97	18.31	23.06	107.24	873.12	-567.36	1,118.42	1,081.72	36.70	30.471		
5,000.00	4,988.56	4,860.36	4,757.11	18.69	23.56	107.20	889.98	-580.08	1,140.78	1,103.31	37.47	30.446		
5,100.00	5,088.31	4,957.82	4,852.26	19.07	24.05	107.15	906.84	-592.80	1,163.14	1,124.91	38.23	30.422		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 1AH - 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	5,188.06	5,055.28	4,947.41	19.45	24.55	107.10	923.71	-605.52	1,185.50	1,146.51	39.00	30.398		
5,300.00	5,287.82	5,152.75	5,042.55	19.83	25.05	107.06	940.57	-618.24	1,207.87	1,168.10	39.76	30.376		
5,400.00	5,387.57	5,250.21	5,137.70	20.21	25.54	107.02	957.44	-630.96	1,230.23	1,189.70	40.53	30.355		
5,500.00	5,487.33	5,347.67	5,232.85	20.59	26.04	106.98	974.30	-643.68	1,252.59	1,211.30	41.29	30.334		
5,600.00	5,587.08	5,445.14	5,327.99	20.97	26.54	106.94	991.17	-656.40	1,274.95	1,232.90	42.06	30.314		
5,700.00	5,686.84	5,542.60	5,423.14	21.35	27.03	106.90	1,008.03	-669.12	1,297.32	1,254.49	42.82	30.295		
5,800.00	5,786.59	5,640.07	5,518.29	21.72	27.53	106.86	1,024.89	-681.84	1,319.68	1,276.09	43.59	30.276		
5,900.00	5,886.35	5,737.53	5,613.43	22.10	28.03	106.83	1,041.76	-694.57	1,342.05	1,297.69	44.35	30.258		
6,000.00	5,986.10	5,834.99	5,708.58	22.48	28.52	106.79	1,058.62	-707.29	1,364.41	1,319.29	45.12	30.241		
6,100.00	6,085.86	5,932.46	5,803.73	22.86	29.02	106.76	1,075.49	-720.01	1,386.78	1,340.89	45.88	30.224		
6,200.00	6,185.61	6,029.92	5,898.88	23.24	29.52	106.73	1,092.35	-732.73	1,409.15	1,362.50	46.65	30.207		
6,300.00	6,285.37	6,127.38	5,994.02	23.62	30.01	106.70	1,109.21	-745.45	1,431.51	1,384.10	47.41	30.191		
6,400.00	6,385.12	6,224.85	6,089.17	24.00	30.51	106.66	1,126.08	-758.17	1,453.88	1,405.70	48.18	30.176		
6,500.00	6,484.88	6,322.31	6,184.32	24.38	31.01	106.64	1,142.94	-770.89	1,476.25	1,427.30	48.95	30.161		
6,600.00	6,584.63	6,419.77	6,279.46	24.76	31.50	106.61	1,159.81	-783.61	1,498.61	1,448.90	49.71	30.146		
6,700.00	6,684.39	6,517.24	6,374.61	25.14	32.00	106.58	1,176.67	-796.33	1,520.98	1,470.51	50.48	30.132		
6,800.00	6,784.14	6,614.70	6,469.76	25.51	32.50	106.55	1,193.54	-809.05	1,543.35	1,492.11	51.24	30.119		
6,900.00	6,883.90	6,712.17	6,564.90	25.89	32.99	106.53	1,210.40	-821.78	1,565.72	1,513.71	52.01	30.105		
7,000.00	6,983.65	6,809.63	6,660.05	26.27	33.49	106.50	1,227.26	-834.50	1,588.09	1,535.32	52.77	30.092		
7,100.00	7,083.40	6,907.09	6,755.20	26.65	33.99	106.48	1,244.13	-847.22	1,610.46	1,556.92	53.54	30.080		
7,200.00	7,183.16	7,004.56	6,850.35	27.03	34.48	106.45	1,260.99	-859.94	1,632.83	1,578.52	54.31	30.067		
7,298.28	7,281.20	7,100.34	6,943.85	27.40	34.97	106.43	1,277.57	-872.44	1,654.81	1,599.75	55.06	30.055		
7,300.00	7,282.91	7,102.02	6,945.49	27.41	34.98	105.02	1,277.86	-872.66	1,655.20	1,600.13	55.07	30.055		
7,350.00	7,332.59	7,179.85	7,021.58	27.61	35.36	85.59	1,291.32	-881.86	1,665.59	1,609.92	55.67	29.921		
7,400.00	7,381.62	7,499.73	7,326.23	27.82	36.18	84.24	1,343.36	-817.27	1,669.67	1,612.55	57.12	29.231		
7,450.00	7,429.64	7,656.53	7,451.65	28.05	36.21	85.98	1,363.58	-726.20	1,668.65	1,610.91	57.75	28.896		
7,500.00	7,476.29	7,724.90	7,497.80	28.30	36.17	86.87	1,370.72	-676.32	1,666.67	1,608.35	58.32	28.578		
7,550.00	7,521.20	7,754.00	7,515.61	28.56	36.14	87.05	1,373.40	-653.46	1,665.09	1,606.25	58.84	28.298		
7,600.00	7,564.03	7,763.77	7,521.33	28.83	36.13	86.80	1,374.25	-645.59	1,664.33	1,605.01	59.32	28.057		
7,616.40	7,577.57	7,764.39	7,521.69	28.93	36.13	86.66	1,374.31	-645.09	1,664.28	1,604.81	59.47	27.986		
7,650.00	7,604.47	7,762.88	7,520.82	29.13	36.13	86.28	1,374.18	-646.31	1,664.49	1,604.73	59.76	27.854		
7,700.00	7,642.19	7,755.57	7,516.54	29.45	36.14	85.56	1,373.54	-652.21	1,665.57	1,605.41	60.17	27.682		
7,750.00	7,676.92	7,744.11	7,509.69	29.79	36.15	84.71	1,372.51	-661.34	1,667.53	1,606.96	60.57	27.532		
7,800.00	7,708.39	7,729.84	7,500.91	30.17	36.16	83.75	1,371.19	-672.50	1,670.26	1,609.30	60.97	27.396		
7,850.00	7,736.35	7,713.59	7,490.58	30.59	36.17	82.71	1,369.61	-684.95	1,673.68	1,612.31	61.37	27.271		
7,900.00	7,760.61	7,695.90	7,478.94	31.04	36.19	81.61	1,367.83	-698.16	1,677.67	1,615.88	61.79	27.150		
7,950.00	7,780.97	7,677.12	7,466.16	31.53	36.20	80.48	1,365.85	-711.77	1,682.12	1,619.88	62.24	27.026		
8,000.00	7,797.27	7,657.51	7,452.36	32.07	36.21	79.34	1,363.69	-725.53	1,686.90	1,624.18	62.72	26.897		
8,050.00	7,809.40	7,637.26	7,437.62	32.65	36.21	78.19	1,361.37	-739.22	1,691.89	1,628.67	63.23	26.760		
8,100.00	7,817.26	7,616.50	7,422.04	33.27	36.22	77.06	1,358.90	-752.70	1,696.98	1,633.22	63.77	26.612		
8,150.00	7,820.79	7,600.00	7,409.31	33.92	36.22	76.09	1,356.87	-763.01	1,702.06	1,637.69	64.37	26.442		
8,163.06	7,821.00	7,589.76	7,401.27	34.09	36.22	75.69	1,355.58	-769.21	1,703.36	1,638.87	64.49	26.412		
8,200.00	7,821.16	7,574.52	7,389.10	34.60	36.21	75.27	1,353.62	-778.18	1,707.34	1,642.40	64.94	26.292		
8,300.00	7,821.60	7,538.42	7,359.38	36.08	36.20	74.25	1,348.79	-798.09	1,721.20	1,654.97	66.22	25.991		
8,400.00	7,822.03	7,500.00	7,326.47	37.69	36.18	73.13	1,343.40	-817.14	1,739.75	1,672.25	67.50	25.773		
8,500.00	7,822.47	7,483.52	7,311.98	39.43	36.16	72.64	1,341.01	-824.63	1,762.98	1,694.02	68.96	25.565		
8,600.00	7,822.90	7,450.00	7,281.90	41.27	36.13	71.62	1,336.01	-838.52	1,791.06	1,720.83	70.23	25.504		
8,700.00	7,823.34	7,450.00	7,281.90	43.20	36.13	71.62	1,336.01	-838.52	1,823.62	1,751.86	71.76	25.414		
8,800.00	7,823.78	7,428.58	7,262.28	45.21	36.09	70.96	1,332.73	-846.46	1,860.69	1,787.69	73.00	25.489		
8,900.00	7,824.21	7,400.00	7,235.67	47.29	36.05	70.07	1,328.25	-855.89	1,902.21	1,828.13	74.08	25.678		
9,000.00	7,824.65	7,400.00	7,235.67	49.44	36.05	70.07	1,328.25	-855.89	1,947.48	1,872.12	75.36	25.842		
9,100.00	7,825.08	7,400.00	7,235.67	51.63	36.05	70.07	1,328.25	-855.89	1,996.74	1,920.20	76.54	26.087		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 1AH - 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		
9,200.00	7,825.52	7,383.04	7,219.67	53.87	36.02	69.53	1,325.55	-860.84	2,049.48	1,972.04	77.44	26.465		
9,300.00	7,825.95	7,374.62	7,211.69	56.15	36.00	69.27	1,324.20	-863.12	2,105.58	2,027.25	78.34	26.879		
9,400.00	7,826.39	7,350.00	7,188.14	58.47	35.95	68.48	1,320.19	-869.10	2,164.98	2,086.02	78.96	27.418		
9,500.00	7,826.82	7,350.00	7,188.14	60.82	35.95	68.48	1,320.19	-869.10	2,226.85	2,147.08	79.77	27.917		
9,600.00	7,827.26	7,350.00	7,188.14	63.19	35.95	68.48	1,320.19	-869.10	2,291.42	2,210.93	80.49	28.468		
9,700.00	7,827.70	7,350.00	7,188.14	65.59	35.95	68.48	1,320.19	-869.10	2,358.46	2,277.32	81.14	29.068		
9,800.00	7,828.13	7,350.00	7,188.14	68.02	35.95	68.48	1,320.19	-869.10	2,427.76	2,346.05	81.71	29.711		
9,900.00	7,828.57	7,350.00	7,188.14	70.46	35.95	68.48	1,320.19	-869.10	2,499.15	2,416.93	82.22	30.395		
10,000.00	7,829.00	7,350.00	7,188.14	72.92	35.95	68.48	1,320.19	-869.10	2,572.45	2,489.77	82.68	31.114		
10,100.00	7,829.44	7,329.82	7,168.67	75.40	35.90	67.84	1,316.87	-873.23	2,647.14	2,564.26	82.88	31.941		
10,200.00	7,829.87	7,326.03	7,165.00	77.89	35.89	67.72	1,316.24	-873.93	2,723.64	2,640.44	83.20	32.737		
10,300.00	7,830.31	7,322.52	7,161.59	80.40	35.88	67.61	1,315.66	-874.55	2,801.60	2,718.11	83.48	33.559		
10,400.00	7,830.75	7,300.00	7,139.67	82.92	35.82	66.89	1,311.89	-878.06	2,881.22	2,797.69	83.53	34.491		
10,500.00	7,831.18	7,300.00	7,139.67	85.45	35.82	66.89	1,311.89	-878.06	2,961.67	2,877.87	83.79	35.346		
10,600.00	7,831.62	7,300.00	7,139.67	87.99	35.82	66.89	1,311.89	-878.06	3,043.27	2,959.25	84.02	36.221		
10,700.00	7,832.05	7,300.00	7,139.67	90.54	35.82	66.89	1,311.89	-878.06	3,125.94	3,041.72	84.22	37.116		
10,800.00	7,832.49	7,300.00	7,139.67	93.09	35.82	66.89	1,311.89	-878.06	3,209.60	3,125.20	84.40	38.029		
10,900.00	7,832.92	7,300.00	7,139.67	95.66	35.82	66.89	1,311.89	-878.06	3,294.16	3,209.61	84.56	38.957		
10,917.50	7,833.00	7,300.00	7,139.67	96.11	35.82	66.89	1,311.89	-878.06	3,309.06	3,224.47	84.58	39.122		
10,950.00	7,833.12	7,300.00	7,139.67	96.94	35.82	64.44	1,311.89	-878.06	3,337.19	3,252.56	84.63	39.433		
11,000.00	7,833.19	7,300.00	7,139.67	98.21	35.82	59.36	1,311.89	-878.06	3,382.10	3,297.40	84.70	39.931		
11,050.00	7,833.13	7,300.00	7,139.67	99.46	35.82	51.88	1,311.89	-878.06	3,428.61	3,343.85	84.76	40.451		
11,100.00	7,832.95	7,300.00	7,139.67	100.67	35.82	40.49	1,311.89	-878.06	3,476.32	3,391.50	84.82	40.986		
11,118.68	7,832.85	7,300.00	7,139.67	101.11	35.82	34.84	1,311.89	-878.06	3,494.36	3,409.52	84.84	41.189		
11,200.00	7,832.38	7,300.00	7,139.67	103.01	35.82	34.84	1,311.89	-878.06	3,573.19	3,488.27	84.92	42.077		
11,300.00	7,831.80	7,300.00	7,139.67	105.35	35.82	34.84	1,311.89	-878.06	3,670.27	3,585.25	85.02	43.171		
11,400.00	7,831.22	7,300.00	7,139.67	107.70	35.82	34.84	1,311.89	-878.06	3,767.51	3,682.40	85.11	44.268		
11,500.00	7,830.64	7,300.00	7,139.67	110.06	35.82	34.84	1,311.89	-878.06	3,864.88	3,779.69	85.19	45.367		
11,600.00	7,830.06	7,300.00	7,139.67	112.42	35.82	34.84	1,311.89	-878.06	3,962.39	3,877.12	85.27	46.468		
11,613.00	7,829.98	7,300.00	7,139.67	112.73	35.82	34.84	1,311.89	-878.06	3,975.07	3,889.79	85.28	46.611		
11,650.00	7,829.74	7,300.00	7,139.67	113.59	35.82	18.73	1,311.89	-878.06	4,011.31	3,925.99	85.31	47.019		
11,700.00	7,829.36	7,300.00	7,139.67	114.70	35.82	-8.14	1,311.89	-878.06	4,060.48	3,975.12	85.36	47.571		
11,750.00	7,828.90	7,300.00	7,139.67	115.74	35.82	-31.91	1,311.89	-878.06	4,109.55	4,024.14	85.41	48.116		
11,800.00	7,828.37	7,300.00	7,139.67	116.69	35.82	-47.66	1,311.89	-878.06	4,158.15	4,072.68	85.48	48.646		
11,850.00	7,827.78	7,300.00	7,139.67	117.55	35.82	-57.42	1,311.89	-878.06	4,205.94	4,120.38	85.57	49.154		
11,900.00	7,827.13	7,300.00	7,139.67	118.32	35.82	-63.71	1,311.89	-878.06	4,252.59	4,166.90	85.69	49.630		
11,950.00	7,826.41	7,278.00	7,118.14	119.00	35.75	-67.42	1,308.18	-880.63	4,297.35	4,211.70	85.65	50.172		
12,000.00	7,825.65	7,276.62	7,116.79	119.58	35.74	-70.51	1,307.94	-880.77	4,340.74	4,254.90	85.84	50.567		
12,050.00	7,824.85	7,275.25	7,115.44	120.06	35.74	-72.81	1,307.71	-880.90	4,382.10	4,296.02	86.08	50.907		
12,100.00	7,824.00	7,273.88	7,114.10	120.46	35.73	-74.58	1,307.48	-881.02	4,421.19	4,334.80	86.38	51.183		
12,150.00	7,823.12	7,272.54	7,112.78	120.77	35.73	-75.97	1,307.25	-881.14	4,457.76	4,371.01	86.75	51.389		
12,200.00	7,822.22	7,250.00	7,090.63	121.00	35.66	-76.75	1,303.41	-882.70	4,491.99	4,404.99	87.00	51.633		
12,250.00	7,821.30	7,250.00	7,090.63	121.17	35.66	-77.70	1,303.41	-882.70	4,522.86	4,435.34	87.53	51.675		
12,300.00	7,820.37	7,250.00	7,090.63	121.27	35.66	-78.47	1,303.41	-882.70	4,550.65	4,462.51	88.13	51.634		
12,350.00	7,819.43	7,250.00	7,090.63	121.33	35.66	-79.12	1,303.41	-882.70	4,575.19	4,486.37	88.83	51.507		
12,400.00	7,818.49	7,250.00	7,090.63	121.35	35.66	-79.64	1,303.41	-882.70	4,596.36	4,506.75	89.61	51.294		
12,450.00	7,817.57	7,250.00	7,090.63	121.34	35.66	-80.07	1,303.41	-882.70	4,614.04	4,523.56	90.48	50.998		
12,500.00	7,816.66	7,250.00	7,090.63	121.31	35.66	-80.42	1,303.41	-882.70	4,628.13	4,536.70	91.43	50.619		
12,550.00	7,815.77	7,250.00	7,090.63	121.29	35.66	-80.69	1,303.41	-882.70	4,638.57	4,546.10	92.47	50.162		
12,600.00	7,814.91	7,250.00	7,090.63	121.27	35.66	-80.89	1,303.41	-882.70	4,645.30	4,551.71	93.59	49.634		
12,650.00	7,814.09	7,250.00	7,090.63	121.27	35.66	-81.02	1,303.41	-882.70	4,648.27	4,553.49	94.78	49.041		
12,700.00	7,813.32	7,250.00	7,090.63	121.30	35.66	-81.09	1,303.41	-882.70	4,647.49	4,551.45	96.04	48.390		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 1AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	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	
12,750.00	7,812.59	7,250.00	7,090.63	121.36	35.66	-81.08	1,303.41	-882.70	4,642.95	4,545.59	97.36	47.691	
12,800.00	7,811.92	7,250.00	7,090.63	121.47	35.66	-81.01	1,303.41	-882.70	4,634.67	4,535.96	98.71	46.951	
12,850.00	7,811.31	7,250.00	7,090.63	121.62	35.66	-80.86	1,303.41	-882.70	4,622.70	4,522.60	100.10	46.182	
12,900.00	7,810.76	7,250.00	7,090.63	121.82	35.66	-80.62	1,303.41	-882.70	4,607.10	4,505.60	101.50	45.391	
12,950.00	7,810.28	7,250.00	7,090.63	122.07	35.66	-80.30	1,303.41	-882.70	4,587.95	4,485.05	102.90	44.587	
13,000.00	7,809.87	7,250.00	7,090.63	122.37	35.66	-79.86	1,303.41	-882.70	4,565.36	4,461.08	104.28	43.779	
13,050.00	7,809.54	7,250.00	7,090.63	122.72	35.66	-79.29	1,303.41	-882.70	4,539.45	4,433.81	105.63	42.974	
13,100.00	7,809.28	7,250.00	7,090.63	123.11	35.66	-78.56	1,303.41	-882.70	4,510.35	4,403.42	106.93	42.179	
13,150.00	7,809.11	7,250.00	7,090.63	123.53	35.66	-77.64	1,303.41	-882.70	4,478.24	4,370.07	108.17	41.401	
13,200.00	7,809.01	7,250.00	7,090.63	123.98	35.66	-76.47	1,303.41	-882.70	4,443.29	4,333.97	109.32	40.644	
13,213.90	7,809.00	7,250.00	7,090.63	124.11	35.66	-76.09	1,303.41	-882.70	4,433.10	4,323.47	109.63	40.438	
13,300.00	7,808.95	7,250.00	7,090.63	124.93	35.66	-76.09	1,303.41	-882.70	4,369.71	4,258.20	111.52	39.184	
13,400.00	7,808.89	7,250.00	7,090.63	125.92	35.66	-76.09	1,303.41	-882.70	4,297.09	4,183.31	113.79	37.764	
13,500.00	7,808.82	7,250.00	7,090.63	126.97	35.66	-76.09	1,303.41	-882.70	4,225.59	4,109.45	116.14	36.383	
13,600.00	7,808.76	7,250.00	7,090.63	128.07	35.66	-76.09	1,303.41	-882.70	4,155.27	4,036.69	118.57	35.044	
13,700.00	7,808.70	7,250.00	7,090.63	129.22	35.66	-76.09	1,303.41	-882.70	4,086.18	3,965.09	121.09	33.745	
13,800.00	7,808.64	7,250.00	7,090.63	130.41	35.66	-76.09	1,303.41	-882.70	4,018.39	3,894.71	123.68	32.489	
13,900.00	7,808.58	7,250.00	7,090.63	131.65	35.66	-76.09	1,303.41	-882.70	3,951.97	3,825.61	126.36	31.276	
14,000.00	7,808.52	7,250.00	7,090.63	132.93	35.66	-76.09	1,303.41	-882.70	3,886.99	3,757.88	129.11	30.106	
14,100.00	7,808.45	7,250.00	7,090.63	134.26	35.66	-76.09	1,303.41	-882.70	3,823.52	3,691.59	131.93	28.981	
14,200.00	7,808.39	7,270.59	7,110.88	135.63	35.72	-76.48	1,306.92	-881.31	3,761.36	3,626.32	135.03	27.855	
14,300.00	7,808.33	7,272.26	7,112.52	137.04	35.73	-76.51	1,307.20	-881.17	3,701.10	3,563.08	138.02	26.816	
14,400.00	7,808.27	7,274.06	7,114.28	138.49	35.73	-76.55	1,307.51	-881.01	3,642.59	3,501.52	141.07	25.822	
14,500.00	7,808.21	7,275.99	7,116.17	139.98	35.74	-76.58	1,307.84	-880.83	3,585.91	3,441.73	144.18	24.871	
14,600.00	7,808.14	7,278.08	7,118.22	141.51	35.75	-76.62	1,308.19	-880.62	3,531.14	3,383.80	147.35	23.965	
14,700.00	7,808.08	7,280.34	7,120.44	143.07	35.76	-76.67	1,308.57	-880.40	3,478.39	3,327.82	150.56	23.103	
14,800.00	7,808.02	7,300.00	7,139.67	144.67	35.82	-77.04	1,311.89	-878.06	3,427.90	3,273.92	153.98	22.261	
14,900.00	7,807.96	7,300.00	7,139.67	146.30	35.82	-77.04	1,311.89	-878.06	3,379.38	3,222.13	157.25	21.491	
15,000.00	7,807.90	7,300.00	7,139.67	147.96	35.82	-77.04	1,311.89	-878.06	3,333.16	3,172.62	160.53	20.763	
15,100.00	7,807.84	7,300.00	7,139.67	149.66	35.82	-77.04	1,311.89	-878.06	3,289.33	3,125.50	163.83	20.078	
15,200.00	7,807.77	7,300.00	7,139.67	151.38	35.82	-77.04	1,311.89	-878.06	3,247.98	3,080.86	167.12	19.435	
15,300.00	7,807.71	7,300.00	7,139.67	153.14	35.82	-77.04	1,311.89	-878.06	3,209.23	3,038.83	170.40	18.834	
15,400.00	7,807.65	7,300.00	7,139.67	154.92	35.82	-77.04	1,311.89	-878.06	3,173.15	2,999.50	173.65	18.274	
15,500.00	7,807.59	7,300.00	7,139.67	156.73	35.82	-77.04	1,311.89	-878.06	3,139.84	2,962.99	176.85	17.754	
15,600.00	7,807.53	7,300.00	7,139.67	158.56	35.82	-77.04	1,311.89	-878.06	3,109.39	2,929.39	180.00	17.274	
15,700.00	7,807.47	7,320.71	7,159.84	160.42	35.87	-77.44	1,315.36	-874.87	3,081.72	2,898.42	183.30	16.812	
15,800.00	7,807.40	7,328.14	7,167.05	162.31	35.89	-77.58	1,316.59	-873.54	3,057.12	2,870.74	186.38	16.403	
15,900.00	7,807.34	7,336.80	7,175.42	164.22	35.91	-77.74	1,318.02	-871.88	3,035.56	2,846.19	189.37	16.030	
16,000.00	7,807.28	7,350.00	7,188.14	166.15	35.95	-77.99	1,320.19	-869.10	3,017.12	2,824.82	192.30	15.690	
16,100.00	7,807.22	7,350.00	7,188.14	168.10	35.95	-77.99	1,320.19	-869.10	3,001.83	2,806.87	194.96	15.397	
16,200.00	7,807.16	7,373.99	7,211.08	170.08	36.00	-78.44	1,324.09	-863.28	2,989.65	2,791.92	197.73	15.120	
16,300.00	7,807.10	7,392.34	7,228.46	172.07	36.04	-78.78	1,327.04	-858.18	2,980.67	2,780.36	200.31	14.881	
16,400.00	7,807.03	7,415.61	7,250.26	174.08	36.07	-79.20	1,330.71	-850.90	2,974.82	2,772.05	202.77	14.671	
16,455.46	7,807.00	7,431.40	7,264.87	175.21	36.10	-79.49	1,333.16	-845.46	2,972.90	2,768.80	204.10	14.566 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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	0.20	80.16	0.28	80.16					
100.00	100.00	100.00	100.00	0.27	0.13	0.20	80.16	0.28	80.16	79.75	0.40	198.761		
200.00	200.00	200.00	200.00	0.63	0.49	0.20	80.16	0.28	80.16	79.04	1.12	71.554	CC, ES	
300.00	299.98	299.98	299.98	0.98	0.85	125.21	80.16	0.28	81.15	79.32	1.83	44.433		
400.69	400.52	400.52	400.52	1.33	1.21	128.09	80.16	0.28	84.31	81.77	2.54	33.196		
500.00	499.59	499.59	499.59	1.69	1.57	131.62	80.16	0.28	88.77	85.52	3.25	27.306		
600.00	599.35	598.61	598.60	2.06	1.92	133.78	80.83	-1.28	93.95	89.99	3.96	23.711		
700.00	699.10	697.66	697.50	2.43	2.27	133.80	82.85	-5.98	100.01	95.33	4.68	21.384		
800.00	798.86	796.49	795.96	2.80	2.63	132.03	86.22	-13.80	106.91	101.51	5.40	19.792		
900.00	898.61	894.87	893.62	3.18	3.00	128.86	90.91	-24.67	114.94	108.80	6.14	18.720		
1,000.00	998.37	993.53	991.19	3.55	3.39	124.89	96.71	-38.13	124.33	117.44	6.89	18.033		
1,100.00	1,098.12	1,092.71	1,089.22	3.93	3.79	121.35	102.66	-51.93	134.37	126.71	7.66	17.540		
1,200.00	1,197.88	1,191.88	1,187.25	4.31	4.20	118.31	108.61	-65.73	144.85	136.42	8.43	17.183		
1,300.00	1,297.63	1,291.06	1,285.28	4.68	4.61	115.69	114.55	-79.52	155.67	146.47	9.20	16.919		
1,400.00	1,397.38	1,390.24	1,383.31	5.06	5.03	113.41	120.50	-93.32	166.78	156.81	9.97	16.724		
1,500.00	1,497.14	1,489.41	1,481.34	5.44	5.45	111.42	126.45	-107.12	178.12	167.37	10.74	16.578		
1,600.00	1,596.89	1,588.59	1,579.37	5.82	5.87	109.66	132.39	-120.91	189.64	178.12	11.52	16.468		
1,700.00	1,696.65	1,687.76	1,677.41	6.19	6.30	108.11	138.34	-134.71	201.32	189.03	12.29	16.385		
1,800.00	1,796.40	1,786.94	1,775.44	6.57	6.73	106.73	144.28	-148.51	213.13	200.07	13.06	16.323		
1,900.00	1,896.16	1,886.12	1,873.47	6.95	7.15	105.50	150.23	-162.30	225.05	211.22	13.83	16.276		
2,000.00	1,995.91	1,985.29	1,971.50	7.33	7.58	104.38	156.18	-176.10	237.06	222.46	14.60	16.240		
2,100.00	2,095.67	2,084.47	2,069.53	7.71	8.01	103.38	162.12	-189.90	249.15	233.79	15.37	16.214		
2,200.00	2,195.42	2,183.64	2,167.56	8.09	8.44	102.47	168.07	-203.70	261.31	245.18	16.14	16.195		
2,300.00	2,295.18	2,282.82	2,265.59	8.46	8.87	101.64	174.02	-217.49	273.53	256.63	16.90	16.182		
2,400.00	2,394.93	2,382.00	2,363.63	8.84	9.30	100.88	179.96	-231.29	285.80	268.13	17.67	16.173		
2,500.00	2,494.69	2,481.17	2,461.66	9.22	9.74	100.18	185.91	-245.09	298.12	279.68	18.44	16.167		
2,600.00	2,594.44	2,580.35	2,559.69	9.60	10.17	99.54	191.86	-258.88	310.48	291.27	19.21	16.165		
2,700.00	2,694.20	2,679.52	2,657.72	9.98	10.60	98.95	197.80	-272.68	322.87	302.89	19.97	16.164		
2,800.00	2,793.95	2,778.70	2,755.75	10.36	11.03	98.40	203.75	-286.48	335.29	314.55	20.74	16.165		
2,900.00	2,893.71	2,877.88	2,853.78	10.74	11.47	97.89	209.70	-300.27	347.74	326.23	21.51	16.167		
3,000.00	2,993.46	2,977.05	2,951.81	11.12	11.90	97.42	215.64	-314.07	360.22	337.94	22.28	16.171		
3,100.00	3,093.22	3,076.23	3,049.85	11.49	12.33	96.98	221.59	-327.87	372.72	349.68	23.04	16.175		
3,200.00	3,192.97	3,175.40	3,147.88	11.87	12.77	96.56	227.54	-341.67	385.24	361.43	23.81	16.181		
3,300.00	3,292.72	3,274.58	3,245.91	12.25	13.20	96.18	233.48	-355.46	397.78	373.20	24.58	16.186		
3,400.00	3,392.48	3,373.76	3,343.94	12.63	13.64	95.81	239.43	-369.26	410.33	384.99	25.34	16.192		
3,500.00	3,492.23	3,472.93	3,441.97	13.01	14.07	95.47	245.38	-383.06	422.90	396.80	26.11	16.198		
3,600.00	3,591.99	3,572.11	3,540.00	13.39	14.50	95.15	251.32	-396.85	435.49	408.62	26.87	16.205		
3,700.00	3,691.74	3,671.28	3,638.04	13.77	14.94	94.84	257.27	-410.65	448.09	420.45	27.64	16.212		
3,800.00	3,791.50	3,770.46	3,736.07	14.15	15.37	94.56	263.22	-424.45	460.70	432.29	28.41	16.218		
3,900.00	3,891.25	3,869.64	3,834.10	14.53	15.81	94.28	269.16	-438.24	473.32	444.14	29.17	16.225		
4,000.00	3,991.01	3,968.81	3,932.13	14.90	16.24	94.03	275.11	-452.04	485.95	456.01	29.94	16.232		
4,100.00	4,090.76	4,067.99	4,030.16	15.28	16.68	93.78	281.06	-465.84	498.58	467.88	30.70	16.239		
4,200.00	4,190.52	4,167.16	4,128.19	15.66	17.11	93.55	287.00	-479.64	511.23	479.76	31.47	16.245		
4,300.00	4,290.27	4,266.34	4,226.22	16.04	17.55	93.33	292.95	-493.43	523.89	491.65	32.23	16.252		
4,400.00	4,390.03	4,365.52	4,324.26	16.42	17.98	93.11	298.90	-507.23	536.55	503.55	33.00	16.259		
4,500.00	4,489.78	4,464.69	4,422.29	16.80	18.42	92.91	304.84	-521.03	549.22	515.45	33.77	16.265		
4,600.00	4,589.54	4,563.87	4,520.32	17.18	18.86	92.72	310.79	-534.82	561.90	527.37	34.53	16.272		
4,700.00	4,689.29	4,663.04	4,618.35	17.56	19.29	92.54	316.74	-548.62	574.58	539.28	35.30	16.278		
4,800.00	4,789.05	4,762.22	4,716.38	17.94	19.73	92.36	322.68	-562.42	587.27	551.20	36.06	16.284		
4,900.00	4,888.80	4,861.40	4,814.41	18.31	20.16	92.19	328.63	-576.22	599.96	563.13	36.83	16.291		
5,000.00	4,988.56	4,960.57	4,912.44	18.69	20.60	92.03	334.58	-590.01	612.66	575.06	37.59	16.297		
5,100.00	5,088.31	5,059.75	5,010.48	19.07	21.03	91.88	340.52	-603.81	625.36	587.00	38.36	16.303		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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	5,188.06	5,158.92	5,108.51	19.45	21.47	91.73	346.47	-617.61	638.07	598.94	39.13	16.308		
5,300.00	5,287.82	5,258.10	5,206.54	19.83	21.90	91.58	352.42	-631.40	650.78	610.89	39.89	16.314		
5,400.00	5,387.57	5,357.28	5,304.57	20.21	22.34	91.45	358.36	-645.20	663.49	622.84	40.66	16.320		
5,500.00	5,487.33	5,456.45	5,402.60	20.59	22.78	91.31	364.31	-659.00	676.21	634.79	41.42	16.325		
5,600.00	5,587.08	5,555.63	5,500.63	20.97	23.21	91.19	370.26	-672.79	688.93	646.75	42.19	16.330		
5,700.00	5,686.84	5,654.80	5,598.66	21.35	23.65	91.06	376.20	-686.59	701.66	658.71	42.95	16.336		
5,800.00	5,786.59	5,753.98	5,696.70	21.72	24.08	90.95	382.15	-700.39	714.39	670.67	43.72	16.341		
5,900.00	5,886.35	5,853.16	5,794.73	22.10	24.52	90.83	388.09	-714.19	727.12	682.63	44.48	16.346		
6,000.00	5,986.10	5,952.33	5,892.76	22.48	24.95	90.72	394.04	-727.98	739.85	694.60	45.25	16.351		
6,100.00	6,085.86	6,051.51	5,990.79	22.86	25.39	90.61	399.99	-741.78	752.59	706.57	46.01	16.356		
6,200.00	6,185.61	6,150.68	6,088.82	23.24	25.83	90.51	405.93	-755.58	765.33	718.55	46.78	16.360		
6,300.00	6,285.37	6,249.86	6,186.85	23.62	26.26	90.41	411.88	-769.37	778.07	730.52	47.55	16.365		
6,400.00	6,385.12	6,349.04	6,284.88	24.00	26.70	90.31	417.83	-783.17	790.81	742.50	48.31	16.369		
6,500.00	6,484.88	6,448.21	6,382.92	24.38	27.13	90.22	423.77	-796.97	803.56	754.48	49.08	16.374		
6,600.00	6,584.63	6,547.39	6,480.95	24.76	27.57	90.13	429.72	-810.76	816.30	766.46	49.84	16.378		
6,700.00	6,684.39	6,646.56	6,578.98	25.14	28.01	90.04	435.67	-824.56	829.05	778.45	50.61	16.382		
6,800.00	6,784.14	6,745.74	6,677.01	25.51	28.44	89.96	441.61	-838.36	841.81	790.43	51.37	16.386		
6,900.00	6,883.90	6,844.92	6,775.04	25.89	28.88	89.87	447.56	-852.16	854.56	802.42	52.14	16.390		
7,000.00	6,983.65	6,944.09	6,873.07	26.27	29.31	89.79	453.51	-865.95	867.31	814.41	52.90	16.394		
7,100.00	7,083.40	7,043.27	6,971.10	26.65	29.75	89.72	459.45	-879.75	880.07	826.40	53.67	16.398		
7,200.00	7,183.16	7,143.21	7,063.64	27.03	30.19	89.64	465.40	-893.55	891.81	838.39	54.44	16.402		
7,298.28	7,281.20	7,241.92	7,163.27	27.40	30.61	89.56	471.35	-907.35	900.07	850.38	55.21	16.406		
7,300.00	7,282.91	7,243.61	7,165.95	27.78	31.03	89.48	477.30	-921.15	912.02	862.37	55.98	16.410		
7,350.00	7,332.59	7,293.09	7,214.66	28.15	31.45	89.40	483.25	-934.95	923.97	874.36	56.75	16.414		
7,400.00	7,381.62	7,341.52	7,263.69	28.53	31.87	89.32	489.20	-948.75	935.92	886.35	57.52	16.418		
7,450.00	7,429.64	7,389.54	7,312.71	28.90	32.29	89.24	495.15	-962.55	947.87	898.34	58.29	16.422		
7,500.00	7,476.29	7,436.19	7,359.51	29.28	32.71	89.16	501.10	-976.35	959.82	910.33	59.06	16.426		
7,550.00	7,521.20	7,481.10	7,402.77	29.65	33.13	89.08	507.05	-990.15	971.77	922.32	59.83	16.430		
7,600.00	7,564.03	7,523.93	7,445.78	30.03	33.55	89.00	513.00	-1003.95	983.72	934.31	60.60	16.434		
7,617.00	7,578.06	7,537.96	7,459.81	30.40	33.97	88.92	518.95	-1017.75	995.67	946.30	61.37	16.438		
7,650.00	7,604.47	7,564.37	7,486.22	30.78	34.39	88.84	524.90	-1031.55	1007.62	958.29	62.14	16.442		
7,700.00	7,642.19	7,602.09	7,523.93	31.15	34.81	88.76	530.85	-1045.35	1019.57	970.28	62.91	16.446		
7,750.00	7,676.92	7,636.82	7,558.66	31.53	35.23	88.68	536.80	-1059.15	1031.52	982.27	63.68	16.450		
7,800.00	7,708.39	7,668.29	7,590.13	31.90	35.65	88.60	542.75	-1072.95	1043.47	994.26	64.45	16.454		
7,850.00	7,736.35	7,696.25	7,621.60	32.28	36.07	88.52	548.70	-1086.75	1055.42	1006.25	65.22	16.458		
7,900.00	7,760.61	7,720.51	7,645.86	32.65	36.49	88.44	554.65	-1100.55	1067.37	1018.24	66.00	16.462		
7,950.00	7,780.97	7,740.87	7,670.12	33.03	36.91	88.36	560.60	-1114.35	1079.32	1030.23	66.77	16.466		
8,000.00	7,797.27	7,757.17	7,694.38	33.40	37.33	88.28	566.55	-1128.15	1091.27	1042.22	67.54	16.470		
8,050.00	7,809.40	7,769.30	7,706.51	33.78	37.75	88.20	572.50	-1141.95	1103.22	1054.21	68.31	16.474		
8,100.00	7,817.26	7,777.16	7,714.37	34.15	38.17	88.12	578.45	-1155.75	1115.17	1066.20	69.08	16.478		
8,150.00	7,820.79	7,780.69	7,717.90	34.53	38.59	88.04	584.40	-1169.55	1127.12	1078.19	69.85	16.482		
8,163.06	7,821.00	7,780.90	7,718.11	34.90	39.01	87.96	590.35	-1183.35	1139.07	1090.18	70.62	16.486		
8,200.00	7,821.16	7,781.06	7,718.27	35.28	39.43	87.88	596.30	-1197.15	1151.02	1102.17	71.39	16.490		
8,300.00	7,821.60	7,781.50	7,718.71	35.65	39.85	87.80	602.25	-1210.95	1162.97	1114.16	72.16	16.494		
8,400.00	7,822.03	7,781.93	7,719.14	36.03	40.27	87.72	608.20	-1224.75	1174.92	1126.15	72.93	16.498		
8,500.00	7,822.47	7,782.37	7,719.58	36.40	40.69	87.64	614.15	-1238.55	1186.87	1138.14	73.70	16.502		
8,600.00	7,822.90	7,782.80	7,719.99	36.78	41.11	87.56	620.10	-1252.35	1198.82	1150.13	74.47	16.506		
8,700.00	7,823.34	7,783.24	7,720.43	37.15	41.53	87.48	626.05	-1266.15	1210.77	1162.12	75.24	16.510		
8,800.00	7,823.78	7,783.68	7,720.87	37.53	41.95	87.40	632.00	-1279.95	1222.72	1174.11	76.01	16.514		
8,900.00	7,824.21	7,784.11	7,721.30	37.90	42.37	87.32	637.95	-1293.75	1234.67	1186.10	76.78	16.518		
9,000.00	7,824.65	7,784.55	7,721.74	38.28	42.79	87.24	643.90	-1307.55	1246.62	1198.09	77.55	16.522		
9,100.00	7,825.08	7,784.98	7,722.17	38.65	43.21	87.16	649.85	-1321.35	1258.57	1210.08	78.32	16.526		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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		
9,200.00	7,825.52	7,350.00	7,271.62	53.87	30.49	54.21	476.23	-844.04	1,486.96	1,427.03	59.93	24.812		
9,300.00	7,825.95	7,350.00	7,271.62	56.15	30.49	54.21	476.23	-844.04	1,565.79	1,505.62	60.17	26.023		
9,400.00	7,826.39	7,350.00	7,271.62	58.47	30.49	54.21	476.23	-844.04	1,646.92	1,586.55	60.37	27.280		
9,500.00	7,826.82	7,330.35	7,253.31	60.82	30.47	53.28	475.30	-851.12	1,729.62	1,669.29	60.32	28.673		
9,600.00	7,827.26	7,321.56	7,245.04	63.19	30.46	52.86	474.87	-854.08	1,813.98	1,753.60	60.39	30.040		
9,700.00	7,827.70	7,300.00	7,224.59	65.59	30.44	51.85	473.81	-860.80	1,899.92	1,839.62	60.30	31.507		
9,800.00	7,828.13	7,300.00	7,224.59	68.02	30.44	51.85	473.81	-860.80	1,986.72	1,926.28	60.44	32.873		
9,900.00	7,828.57	7,300.00	7,224.59	70.46	30.44	51.85	473.81	-860.80	2,074.70	2,014.15	60.55	34.263		
10,000.00	7,829.00	7,300.00	7,224.59	72.92	30.44	51.85	473.81	-860.80	2,163.73	2,103.08	60.65	35.674		
10,100.00	7,829.44	7,300.00	7,224.59	75.40	30.44	51.85	473.81	-860.80	2,253.69	2,192.94	60.74	37.102		
10,200.00	7,829.87	7,300.00	7,224.59	77.89	30.44	51.85	473.81	-860.80	2,344.45	2,283.63	60.82	38.546		
10,300.00	7,830.31	7,276.34	7,201.87	80.40	30.40	50.75	472.61	-867.29	2,435.36	2,374.67	60.70	40.122		
10,400.00	7,830.75	7,271.55	7,197.24	82.92	30.39	50.53	472.37	-868.49	2,527.24	2,466.51	60.73	41.612		
10,500.00	7,831.18	7,250.00	7,176.28	85.45	30.36	49.55	471.24	-873.40	2,619.97	2,559.35	60.63	43.213		
10,600.00	7,831.62	7,250.00	7,176.28	87.99	30.36	49.55	471.24	-873.40	2,712.78	2,652.08	60.70	44.693		
10,700.00	7,832.05	7,250.00	7,176.28	90.54	30.36	49.55	471.24	-873.40	2,806.07	2,745.31	60.76	46.181		
10,800.00	7,832.49	7,250.00	7,176.28	93.09	30.36	49.55	471.24	-873.40	2,899.82	2,839.00	60.82	47.677		
10,900.00	7,832.92	7,250.00	7,176.28	95.66	30.36	49.55	471.24	-873.40	2,993.97	2,933.09	60.88	49.180		
10,917.50	7,833.00	7,250.00	7,176.28	96.11	30.36	49.55	471.24	-873.40	3,010.48	2,949.60	60.89	49.444		
10,950.00	7,833.12	7,250.00	7,176.28	96.94	30.36	42.41	471.24	-873.40	3,041.39	2,980.48	60.91	49.934		
11,000.00	7,833.19	7,250.00	7,176.28	98.21	30.36	27.02	471.24	-873.40	3,089.63	3,028.68	60.95	50.691		
11,050.00	7,833.13	7,250.00	7,176.28	99.46	30.36	6.01	471.24	-873.40	3,138.37	3,077.36	61.01	51.444		
11,100.00	7,832.95	7,250.00	7,176.28	100.67	30.36	-16.56	471.24	-873.40	3,187.22	3,126.14	61.07	52.186		
11,118.68	7,832.85	7,250.00	7,176.28	101.11	30.36	-24.07	471.24	-873.40	3,205.41	3,144.31	61.10	52.459		
11,200.00	7,832.38	7,250.00	7,176.28	103.01	30.36	-24.07	471.24	-873.40	3,284.60	3,223.37	61.23	53.643		
11,300.00	7,831.80	7,250.00	7,176.28	105.35	30.36	-24.07	471.24	-873.40	3,382.11	3,320.73	61.38	55.100		
11,400.00	7,831.22	7,250.00	7,176.28	107.70	30.36	-24.07	471.24	-873.40	3,479.77	3,418.24	61.52	56.559		
11,500.00	7,830.64	7,250.00	7,176.28	110.06	30.36	-24.07	471.24	-873.40	3,577.55	3,515.89	61.66	58.020		
11,600.00	7,830.06	7,250.00	7,176.28	112.42	30.36	-24.07	471.24	-873.40	3,675.45	3,613.66	61.79	59.483		
11,613.00	7,829.98	7,250.00	7,176.28	112.73	30.36	-24.07	471.24	-873.40	3,688.18	3,626.38	61.81	59.673		
11,650.00	7,829.74	7,250.00	7,176.28	113.59	30.36	-38.27	471.24	-873.40	3,724.32	3,662.46	61.86	60.209		
11,700.00	7,829.36	7,227.48	7,154.21	114.70	30.32	-50.33	470.04	-877.69	3,772.10	3,710.29	61.81	61.026		
11,750.00	7,828.90	7,226.24	7,152.99	115.74	30.31	-58.59	469.97	-877.90	3,819.38	3,757.47	61.91	61.693		
11,800.00	7,828.37	7,225.04	7,151.81	116.69	30.31	-64.09	469.91	-878.10	3,865.40	3,803.36	62.03	62.311		
11,850.00	7,827.78	7,223.89	7,150.67	117.55	30.31	-67.94	469.85	-878.29	3,909.86	3,847.67	62.19	62.872		
11,900.00	7,827.13	7,222.78	7,149.59	118.32	30.31	-70.75	469.79	-878.47	3,952.47	3,890.10	62.38	63.363		
11,950.00	7,826.41	7,221.74	7,148.56	119.00	30.31	-72.88	469.73	-878.64	3,992.99	3,930.38	62.61	63.775		
12,000.00	7,825.65	7,200.00	7,127.07	119.58	30.26	-74.10	468.54	-881.73	4,031.58	3,968.80	62.78	64.221		
12,050.00	7,824.85	7,200.00	7,127.07	120.06	30.26	-75.47	468.54	-881.73	4,067.16	4,004.04	63.12	64.438		
12,100.00	7,824.00	7,200.00	7,127.07	120.46	30.26	-76.57	468.54	-881.73	4,099.98	4,036.47	63.52	64.549		
12,150.00	7,823.12	7,200.00	7,127.07	120.77	30.26	-77.47	468.54	-881.73	4,129.87	4,065.88	63.98	64.546		
12,200.00	7,822.22	7,200.00	7,127.07	121.00	30.26	-78.21	468.54	-881.73	4,156.65	4,092.13	64.52	64.423		
12,250.00	7,821.30	7,200.00	7,127.07	121.17	30.26	-78.83	468.54	-881.73	4,180.19	4,115.05	65.14	64.176		
12,300.00	7,820.37	7,200.00	7,127.07	121.27	30.26	-79.33	468.54	-881.73	4,200.37	4,134.53	65.83	63.802		
12,350.00	7,819.43	7,200.00	7,127.07	121.33	30.26	-79.75	468.54	-881.73	4,217.07	4,150.45	66.62	63.303		
12,400.00	7,818.49	7,200.00	7,127.07	121.35	30.26	-80.08	468.54	-881.73	4,230.22	4,162.73	67.49	62.680		
12,450.00	7,817.57	7,200.00	7,127.07	121.34	30.26	-80.34	468.54	-881.73	4,239.75	4,171.30	68.45	61.940		
12,500.00	7,816.66	7,200.00	7,127.07	121.31	30.26	-80.54	468.54	-881.73	4,245.60	4,176.10	69.50	61.089		
12,550.00	7,815.77	7,200.00	7,127.07	121.29	30.26	-80.66	468.54	-881.73	4,247.76	4,177.13	70.63	60.140		
12,600.00	7,814.91	7,200.00	7,127.07	121.27	30.26	-80.72	468.54	-881.73	4,246.20	4,174.36	71.84	59.103		
12,650.00	7,814.09	7,200.00	7,127.07	121.27	30.26	-80.71	468.54	-881.73	4,240.95	4,167.82	73.13	57.994		
12,700.00	7,813.32	7,200.00	7,127.07	121.30	30.26	-80.63	468.54	-881.73	4,232.02	4,157.54	74.47	56.827		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	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	
12,750.00	7,812.59	7,200.00	7,127.07	121.36	30.26	-80.48	468.54	-881.73	4,219.45	4,143.59	75.86	55.619	
12,800.00	7,811.92	7,200.00	7,127.07	121.47	30.26	-80.24	468.54	-881.73	4,203.32	4,126.03	77.29	54.383	
12,850.00	7,811.31	7,200.00	7,127.07	121.62	30.26	-79.90	468.54	-881.73	4,183.70	4,104.97	78.74	53.136	
12,900.00	7,810.76	7,200.00	7,127.07	121.82	30.26	-79.45	468.54	-881.73	4,160.70	4,080.52	80.18	51.890	
12,950.00	7,810.28	7,200.00	7,127.07	122.07	30.26	-78.87	468.54	-881.73	4,134.44	4,052.82	81.61	50.660	
13,000.00	7,809.87	7,200.00	7,127.07	122.37	30.26	-78.13	468.54	-881.73	4,105.05	4,022.04	83.01	49.454	
13,050.00	7,809.54	7,200.00	7,127.07	122.72	30.26	-77.18	468.54	-881.73	4,072.69	3,988.34	84.35	48.284	
13,100.00	7,809.28	7,200.00	7,127.07	123.11	30.26	-75.97	468.54	-881.73	4,037.55	3,951.93	85.62	47.158	
13,150.00	7,809.11	7,200.00	7,127.07	123.53	30.26	-74.41	468.54	-881.73	3,999.81	3,913.01	86.80	46.083	
13,200.00	7,809.01	7,222.03	7,148.85	123.98	30.31	-72.92	469.75	-878.59	3,959.28	3,871.29	87.99	44.999	
13,213.90	7,809.00	7,222.35	7,149.16	124.11	30.31	-72.28	469.76	-878.54	3,947.73	3,859.47	88.27	44.724	
13,300.00	7,808.95	7,224.42	7,151.19	124.93	30.31	-72.33	469.88	-878.20	3,875.95	3,785.95	90.00	43.064	
13,400.00	7,808.89	7,226.93	7,153.67	125.92	30.32	-72.39	470.01	-877.78	3,793.33	3,701.21	92.12	41.178	
13,500.00	7,808.82	7,250.00	7,176.28	126.97	30.36	-72.98	471.24	-873.40	3,711.90	3,617.46	94.44	39.303	
13,600.00	7,808.76	7,250.00	7,176.28	128.07	30.36	-72.98	471.24	-873.40	3,630.93	3,534.16	96.77	37.522	
13,700.00	7,808.70	7,250.00	7,176.28	129.22	30.36	-72.98	471.24	-873.40	3,550.92	3,451.71	99.21	35.792	
13,800.00	7,808.64	7,250.00	7,176.28	130.41	30.36	-72.98	471.24	-873.40	3,471.96	3,370.18	101.77	34.115	
13,900.00	7,808.58	7,250.00	7,176.28	131.65	30.36	-72.98	471.24	-873.40	3,394.10	3,289.64	104.45	32.494	
14,000.00	7,808.52	7,250.00	7,176.28	132.93	30.36	-72.98	471.24	-873.40	3,317.42	3,210.16	107.26	30.928	
14,100.00	7,808.45	7,250.00	7,176.28	134.26	30.36	-72.98	471.24	-873.40	3,242.02	3,131.83	110.20	29.421	
14,200.00	7,808.39	7,250.00	7,176.28	135.63	30.36	-72.98	471.24	-873.40	3,167.99	3,054.73	113.26	27.971	
14,300.00	7,808.33	7,250.00	7,176.28	137.04	30.36	-72.98	471.24	-873.40	3,095.41	2,978.96	116.45	26.581	
14,400.00	7,808.27	7,250.00	7,176.28	138.49	30.36	-72.98	471.24	-873.40	3,024.40	2,904.62	119.78	25.251	
14,500.00	7,808.21	7,250.00	7,176.28	139.98	30.36	-72.98	471.24	-873.40	2,955.06	2,831.83	123.23	23.980	
14,600.00	7,808.14	7,272.09	7,197.76	141.51	30.39	-73.53	472.40	-868.36	2,887.15	2,760.22	126.93	22.746	
14,700.00	7,808.08	7,277.79	7,203.26	143.07	30.40	-73.68	472.69	-866.92	2,821.33	2,690.66	130.67	21.591	
14,800.00	7,808.02	7,300.00	7,224.59	144.67	30.44	-74.23	473.81	-860.80	2,757.70	2,623.09	134.61	20.487	
14,900.00	7,807.96	7,300.00	7,224.59	146.30	30.44	-74.23	473.81	-860.80	2,695.89	2,557.33	138.56	19.456	
15,000.00	7,807.90	7,300.00	7,224.59	147.96	30.44	-74.23	473.81	-860.80	2,636.43	2,493.81	142.62	18.486	
15,100.00	7,807.84	7,300.00	7,224.59	149.66	30.44	-74.23	473.81	-860.80	2,579.47	2,432.71	146.76	17.576	
15,200.00	7,807.77	7,300.00	7,224.59	151.38	30.44	-74.23	473.81	-860.80	2,525.19	2,374.20	150.98	16.725	
15,300.00	7,807.71	7,324.13	7,247.46	153.14	30.46	-74.83	475.00	-853.23	2,473.37	2,317.98	155.39	15.917	
15,400.00	7,807.65	7,350.00	7,271.62	154.92	30.49	-75.47	476.23	-844.04	2,424.74	2,264.90	159.83	15.170	
15,500.00	7,807.59	7,350.00	7,271.62	156.73	30.49	-75.47	476.23	-844.04	2,378.85	2,214.66	164.19	14.488	
15,600.00	7,807.53	7,350.00	7,271.62	158.56	30.49	-75.47	476.23	-844.04	2,336.34	2,167.81	168.53	13.863	
15,700.00	7,807.47	7,374.21	7,293.82	160.42	30.51	-76.06	477.34	-834.46	2,297.07	2,124.13	172.94	13.282	
15,800.00	7,807.40	7,400.00	7,317.01	162.31	30.53	-76.67	478.47	-823.24	2,261.35	2,084.07	177.28	12.756	
15,900.00	7,807.34	7,400.00	7,317.01	164.22	30.53	-76.67	478.47	-823.24	2,229.16	2,047.74	181.42	12.287	
16,000.00	7,807.28	7,430.90	7,344.09	166.15	30.54	-77.39	479.77	-808.43	2,200.57	2,015.02	185.55	11.860	
16,100.00	7,807.22	7,450.00	7,360.42	168.10	30.55	-77.83	480.53	-798.56	2,175.73	1,986.26	189.47	11.483	
16,200.00	7,807.16	7,483.81	7,388.50	170.08	30.56	-78.58	481.81	-779.76	2,154.56	1,961.32	193.25	11.149	
16,300.00	7,807.10	7,516.76	7,414.74	172.07	30.57	-79.29	482.96	-759.87	2,137.05	1,940.24	196.81	10.859	
16,400.00	7,807.03	7,550.00	7,440.01	174.08	30.58	-79.97	484.03	-738.32	2,123.07	1,922.92	200.14	10.608	
16,455.46	7,807.00	7,579.35	7,461.26	175.21	30.59	-80.55	484.88	-718.11	2,116.74	1,914.81	201.93	10.482 SF	

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 2AH - 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	0.27	60.13	0.28	60.13					
100.00	100.00	100.00	100.00	0.27	0.13	0.27	60.13	0.28	60.13	59.72	0.40	149.093		
200.00	200.00	200.00	200.00	0.63	0.49	0.27	60.13	0.28	60.13	59.01	1.12	53.673 CC, ES		
300.00	299.98	299.98	299.98	0.98	0.85	125.61	60.13	0.28	61.13	59.30	1.83	33.469		
400.69	400.52	400.52	400.52	1.33	1.21	129.38	60.13	0.28	64.35	61.81	2.54	25.335		
500.00	499.59	499.59	499.59	1.69	1.57	133.84	60.13	0.28	68.97	65.72	3.25	21.218		
600.00	599.35	599.35	599.35	2.06	1.92	137.75	60.13	0.28	74.00	70.03	3.97	18.653		
700.00	699.10	699.10	699.10	2.43	2.28	141.15	60.13	0.28	79.32	74.64	4.68	16.934		
800.00	798.86	800.20	800.18	2.80	2.64	143.09	59.89	-1.46	84.10	78.70	5.40	15.580		
900.00	898.61	901.51	901.34	3.18	2.99	142.76	59.19	-6.74	87.33	81.22	6.11	14.291		
1,000.00	998.37	1,002.76	1,002.20	3.55	3.35	140.39	58.00	-15.56	89.07	82.23	6.84	13.028		
1,100.00	1,098.12	1,103.71	1,102.38	3.93	3.72	136.00	56.36	-27.87	89.70	82.12	7.58	11.831		
1,200.00	1,197.88	1,203.47	1,201.08	4.31	4.10	130.42	54.44	-42.19	90.27	81.92	8.35	10.815		
1,300.00	1,297.63	1,303.07	1,299.63	4.68	4.50	124.94	52.52	-56.52	91.69	82.56	9.13	10.047		
1,400.00	1,397.38	1,402.68	1,398.18	5.06	4.90	119.67	50.60	-70.86	93.92	84.00	9.91	9.474		
1,500.00	1,497.14	1,502.29	1,496.74	5.44	5.30	114.68	48.68	-85.19	96.90	86.20	10.71	9.052		
1,600.00	1,596.89	1,601.90	1,595.29	5.82	5.72	110.03	46.77	-99.53	100.58	89.09	11.50	8.747		
1,700.00	1,696.65	1,701.51	1,693.84	6.19	6.13	105.72	44.85	-113.86	104.88	92.59	12.29	8.533		
1,800.00	1,796.40	1,801.11	1,792.39	6.57	6.55	101.78	42.93	-128.20	109.73	96.65	13.08	8.388		
1,900.00	1,896.16	1,900.72	1,890.95	6.95	6.96	98.18	41.01	-142.53	115.05	101.18	13.87	8.297		
2,000.00	1,995.91	2,000.33	1,989.50	7.33	7.38	94.91	39.09	-158.86	120.78	106.13	14.65	8.246		
2,100.00	2,095.67	2,099.94	2,088.05	7.71	7.81	91.94	37.17	-171.20	126.87	111.45	15.43	8.225		
2,200.00	2,195.42	2,199.55	2,186.61	8.09	8.23	89.25	35.25	-185.53	133.27	117.08	16.20	8.227		
2,300.00	2,295.18	2,299.16	2,285.16	8.46	8.65	86.81	33.33	-199.87	139.94	122.97	16.97	8.247		
2,400.00	2,394.93	2,398.76	2,383.71	8.84	9.08	84.60	31.41	-214.20	146.84	129.10	17.74	8.279		
2,500.00	2,494.69	2,498.37	2,482.26	9.22	9.51	82.58	29.50	-228.53	153.94	135.43	18.50	8.320		
2,600.00	2,594.44	2,597.98	2,580.82	9.60	9.93	80.75	27.58	-242.87	161.21	141.94	19.26	8.368		
2,700.00	2,694.20	2,697.59	2,679.37	9.98	10.36	79.07	25.66	-257.20	168.63	148.60	20.03	8.420		
2,800.00	2,793.95	2,797.20	2,777.92	10.36	10.79	77.54	23.74	-271.54	176.18	155.39	20.79	8.476		
2,900.00	2,893.71	2,896.80	2,876.47	10.74	11.22	76.13	21.82	-285.87	183.84	162.30	21.54	8.534		
3,000.00	2,993.46	2,996.41	2,975.03	11.12	11.65	74.84	19.90	-300.21	191.61	169.31	22.30	8.592		
3,100.00	3,093.22	3,096.02	3,073.58	11.49	12.08	73.65	17.98	-314.54	199.47	176.41	23.06	8.651		
3,200.00	3,192.97	3,195.63	3,172.13	11.87	12.51	72.55	16.06	-328.87	207.41	183.60	23.81	8.710		
3,300.00	3,292.72	3,295.24	3,270.68	12.25	12.94	71.53	14.15	-343.21	215.42	190.85	24.57	8.769		
3,400.00	3,392.48	3,394.85	3,369.24	12.63	13.37	70.58	12.23	-357.54	223.49	198.17	25.32	8.826		
3,500.00	3,492.23	3,494.45	3,467.79	13.01	13.80	69.70	10.31	-371.88	231.61	205.54	26.07	8.883		
3,600.00	3,591.99	3,594.06	3,566.34	13.39	14.23	68.88	8.39	-386.21	239.79	212.96	26.83	8.938		
3,700.00	3,691.74	3,693.67	3,664.90	13.77	14.66	68.11	6.47	-400.55	248.02	220.43	27.58	8.992		
3,800.00	3,791.50	3,793.28	3,763.45	14.15	15.10	67.40	4.55	-414.88	256.28	227.95	28.33	9.045		
3,900.00	3,891.25	3,892.89	3,862.00	14.53	15.53	66.72	2.63	-429.21	264.58	235.50	29.09	9.096		
4,000.00	3,991.01	3,992.49	3,960.55	14.90	15.96	66.09	0.71	-443.55	272.92	243.08	29.84	9.146		
4,100.00	4,090.76	4,092.10	4,059.11	15.28	16.39	65.50	-1.20	-457.88	281.29	250.70	30.59	9.195		
4,200.00	4,190.52	4,191.71	4,157.66	15.66	16.82	64.94	-3.12	-472.22	289.68	258.34	31.34	9.242		
4,300.00	4,290.27	4,291.32	4,256.21	16.04	17.26	64.41	-5.04	-486.55	298.10	266.01	32.10	9.288		
4,400.00	4,390.03	4,390.93	4,354.76	16.42	17.69	63.91	-6.96	-500.89	306.55	273.70	32.85	9.332		
4,500.00	4,489.78	4,490.53	4,453.32	16.80	18.12	63.44	-8.88	-515.22	315.02	281.42	33.60	9.375		
4,600.00	4,589.54	4,590.14	4,551.87	17.18	18.55	62.99	-10.80	-529.55	323.51	289.15	34.35	9.417		
4,700.00	4,689.29	4,689.75	4,650.42	17.56	18.99	62.57	-12.72	-543.89	332.01	296.91	35.10	9.458		
4,800.00	4,789.05	4,789.36	4,748.98	17.94	19.42	62.16	-14.64	-558.22	340.53	304.68	35.86	9.497		
4,900.00	4,888.80	4,888.97	4,847.53	18.31	19.85	61.78	-16.55	-572.56	349.07	312.47	36.61	9.535		
5,000.00	4,988.56	4,988.58	4,946.08	18.69	20.29	61.42	-18.47	-586.89	357.63	320.27	37.36	9.572		
5,100.00	5,088.31	5,088.18	5,044.63	19.07	20.72	61.07	-20.39	-601.23	366.20	328.08	38.11	9.608		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 2AH - 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	5,188.06	5,187.79	5,143.19	19.45	21.15	60.74	-22.31	-615.56	374.78	335.91	38.86	9.643		
5,300.00	5,287.82	5,287.40	5,241.74	19.83	21.59	60.42	-24.23	-629.89	383.37	343.75	39.62	9.677		
5,400.00	5,387.57	5,387.01	5,340.29	20.21	22.02	60.11	-26.15	-644.23	391.97	351.61	40.37	9.710		
5,500.00	5,487.33	5,486.62	5,438.84	20.59	22.45	59.82	-28.07	-658.56	400.59	359.47	41.12	9.742		
5,600.00	5,587.08	5,586.22	5,537.40	20.97	22.89	59.55	-29.99	-672.90	409.21	367.34	41.87	9.773		
5,700.00	5,686.84	5,685.83	5,635.95	21.35	23.32	59.28	-31.91	-687.23	417.84	375.22	42.62	9.803		
5,800.00	5,786.59	5,785.44	5,734.50	21.72	23.75	59.02	-33.82	-701.57	426.49	383.11	43.38	9.832		
5,900.00	5,886.35	5,885.05	5,833.05	22.10	24.19	58.78	-35.74	-715.90	435.14	391.01	44.13	9.861		
6,000.00	5,986.10	5,984.66	5,931.61	22.48	24.62	58.54	-37.66	-730.23	443.79	398.91	44.88	9.889		
6,100.00	6,085.86	6,084.27	6,030.16	22.86	25.06	58.31	-39.58	-744.57	452.46	406.83	45.63	9.916		
6,200.00	6,185.61	6,183.87	6,128.71	23.24	25.49	58.09	-41.50	-758.90	461.13	414.75	46.38	9.942		
6,300.00	6,285.37	6,283.48	6,227.27	23.62	25.92	57.88	-43.42	-773.24	469.81	422.67	47.14	9.967		
6,400.00	6,385.12	6,383.09	6,325.82	24.00	26.36	57.68	-45.34	-787.57	478.49	430.61	47.89	9.992		
6,500.00	6,484.88	6,482.70	6,424.37	24.38	26.79	57.49	-47.26	-801.91	487.18	438.54	48.64	10.016		
6,600.00	6,584.63	6,582.31	6,522.92	24.76	27.23	57.30	-49.17	-816.24	495.88	446.49	49.39	10.040		
6,700.00	6,684.39	6,681.91	6,621.48	25.14	27.66	57.11	-51.09	-830.57	504.58	454.43	50.14	10.063		
6,800.00	6,784.14	6,781.52	6,720.03	25.51	28.09	56.94	-53.01	-844.91	513.28	462.39	50.90	10.085		
6,900.00	6,883.90	6,881.13	6,818.58	25.89	28.53	56.77	-54.93	-859.24	521.99	470.35	51.65	10.107		
7,000.00	6,983.65	6,980.74	6,917.13	26.27	28.96	56.60	-56.85	-873.58	530.71	478.31	52.40	10.128		
7,100.00	7,083.40	7,079.48	7,014.11	26.65	29.39	56.43	-58.77	-887.91	539.43	486.26	53.15	10.149		
7,200.00	7,183.16	7,178.02	7,042.66	27.03	30.18	56.27	-60.69	-902.24	548.15	494.21	53.90	10.170		
7,298.28	7,281.20	7,279.02	7,258.29	27.40	30.39	95.06	-77.86	-538.58	383.75	344.26	39.48	9.719		
7,300.00	7,282.91	7,281.59	7,259.98	27.41	30.46	98.55	-78.43	-517.77	382.38	343.71	38.68	9.887		
7,350.00	7,332.59	7,338.25	7,600.20	27.61	30.54	92.12	-79.05	-494.53	342.45	301.72	40.73	8.408		
7,400.00	7,381.62	7,348.76	7,603.40	27.82	30.58	95.25	-79.31	-484.51	304.25	260.49	43.76	6.953		
7,450.00	7,429.64	7,850.33	7,603.86	28.05	30.58	97.92	-79.34	-483.02	269.55	221.97	47.57	5.666		
7,500.00	7,476.29	7,845.93	7,602.56	28.30	30.57	98.84	-79.24	-487.22	240.30	188.46	51.84	4.635		
7,550.00	7,521.20	7,837.39	7,599.93	28.56	30.54	97.94	-79.03	-495.34	218.74	162.89	55.84	3.917		
7,600.00	7,564.03	7,825.88	7,596.20	28.83	30.50	95.36	-78.74	-506.23	207.02	148.57	58.46	3.542		
7,627.75	7,586.79	7,818.49	7,593.70	29.00	30.48	93.26	-78.56	-513.18	205.29	146.36	58.93	3.484 SF		
7,650.00	7,604.47	7,812.15	7,591.47	29.13	30.45	91.26	-78.40	-519.11	206.39	147.64	58.75	3.513		
7,700.00	7,642.19	7,796.74	7,585.79	29.45	30.40	85.86	-78.01	-533.43	216.35	159.53	56.82	3.808		
7,750.00	7,676.92	7,780.03	7,579.20	29.79	30.36	79.44	-77.57	-548.78	234.95	181.27	53.68	4.377		
7,800.00	7,708.39	7,762.28	7,571.72	30.17	30.31	72.41	-77.11	-564.87	259.70	209.32	50.38	5.155		
7,850.00	7,736.35	7,750.00	7,566.25	30.59	30.28	66.44	-76.78	-575.86	288.50	240.74	47.76	6.040		
7,900.00	7,760.61	7,724.45	7,554.12	31.04	30.23	58.33	-76.10	-598.33	319.39	274.06	45.33	7.046		
7,950.00	7,780.97	7,700.00	7,541.59	31.53	30.18	51.40	-75.43	-619.31	351.53	307.97	43.56	8.070		
8,000.00	7,797.27	7,684.37	7,533.11	32.07	30.16	46.43	-75.00	-632.44	383.86	341.09	42.77	8.975		
8,050.00	7,809.40	7,663.70	7,521.36	32.65	30.13	41.64	-74.42	-649.43	415.94	373.71	42.22	9.851		
8,100.00	7,817.26	7,650.00	7,513.23	33.27	30.11	38.07	-74.03	-660.45	447.40	405.01	42.39	10.555		
8,150.00	7,820.79	7,621.45	7,495.46	33.92	30.08	34.17	-73.22	-682.79	477.63	435.51	42.12	11.339		
8,163.06	7,821.00	7,615.85	7,491.85	34.09	30.08	33.37	-73.06	-687.06	485.35	443.17	42.18	11.506		
8,200.00	7,821.16	7,600.00	7,481.40	34.60	30.06	32.57	-72.61	-698.96	507.52	465.13	42.39	11.974		
8,300.00	7,821.60	7,550.00	7,446.33	36.08	30.03	30.12	-71.17	-734.55	571.97	529.33	42.64	13.415		
8,400.00	7,822.03	7,528.34	7,430.20	37.69	30.02	29.11	-70.55	-748.99	641.22	597.17	44.05	14.556		
8,500.00	7,822.47	7,500.00	7,408.29	39.43	30.01	27.83	-69.73	-766.95	715.09	670.09	45.00	15.890		
8,600.00	7,822.90	7,472.63	7,386.32	41.27	29.99	26.66	-68.93	-783.24	792.55	746.73	45.82	17.297		
8,700.00	7,823.34	7,450.00	7,367.57	43.20	29.98	25.73	-68.28	-795.90	872.99	826.35	46.64	18.719		
8,800.00	7,823.78	7,429.03	7,349.77	45.21	29.97	24.91	-67.68	-806.97	955.89	908.54	47.35	20.189		
8,900.00	7,824.21	7,400.00	7,324.49	47.29	29.95	23.83	-66.86	-821.19	1,041.00	993.25	47.75	21.800		
9,000.00	7,824.65	7,400.00	7,324.49	49.44	29.95	23.83	-66.86	-821.19	1,127.58	1,078.88	48.70	23.153		
9,100.00	7,825.08	7,379.59	7,306.29	51.63	29.94	23.11	-66.28	-830.42	1,215.68	1,166.58	49.10	24.759		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 2AH - 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		
9,200.00	7,825.52	7,350.00	7,279.36	53.87	29.92	22.12	-65.46	-842.63	1,305.41	1,256.13	49.28	26.488		
9,300.00	7,825.95	7,350.00	7,279.36	56.15	29.92	22.12	-65.46	-842.63	1,395.56	1,345.64	49.91	27.959		
9,400.00	7,826.39	7,350.00	7,279.36	58.47	29.92	22.12	-65.46	-842.63	1,486.97	1,436.52	50.45	29.474		
9,500.00	7,826.82	7,350.00	7,279.36	60.82	29.92	22.12	-65.46	-842.63	1,579.42	1,528.51	50.91	31.023		
9,600.00	7,827.26	7,323.98	7,255.17	63.19	29.89	21.30	-64.74	-852.21	1,671.95	1,620.96	50.99	32.790		
9,700.00	7,827.70	7,300.00	7,232.53	65.59	29.86	20.59	-64.10	-860.06	1,765.70	1,714.62	51.08	34.566		
9,800.00	7,828.13	7,300.00	7,232.53	68.02	29.86	20.59	-64.10	-860.06	1,859.50	1,808.07	51.43	36.155		
9,900.00	7,828.57	7,300.00	7,232.53	70.46	29.86	20.59	-64.10	-860.06	1,953.92	1,902.17	51.74	37.763		
10,000.00	7,829.00	7,300.00	7,232.53	72.92	29.86	20.59	-64.10	-860.06	2,048.86	1,996.84	52.02	39.387		
10,100.00	7,829.44	7,300.00	7,232.53	75.40	29.86	20.59	-64.10	-860.06	2,144.27	2,092.00	52.27	41.025		
10,200.00	7,829.87	7,300.00	7,232.53	77.89	29.86	20.59	-64.10	-860.06	2,240.07	2,187.58	52.49	42.674		
10,300.00	7,830.31	7,276.44	7,209.97	80.40	29.83	19.92	-63.47	-866.84	2,335.63	2,283.12	52.50	44.485		
10,400.00	7,830.75	7,271.38	7,205.10	82.92	29.82	19.79	-63.34	-868.17	2,431.81	2,379.15	52.66	46.178		
10,500.00	7,831.18	7,250.00	7,184.36	85.45	29.80	19.22	-62.78	-873.34	2,528.54	2,475.86	52.68	47.994		
10,600.00	7,831.62	7,250.00	7,184.36	87.99	29.80	19.22	-62.78	-873.34	2,625.06	2,572.20	52.86	49.657		
10,700.00	7,832.05	7,250.00	7,184.36	90.54	29.80	19.22	-62.78	-873.34	2,721.83	2,668.80	53.03	51.327		
10,800.00	7,832.49	7,250.00	7,184.36	93.09	29.80	19.22	-62.78	-873.34	2,818.83	2,765.65	53.18	53.001		
10,900.00	7,832.92	7,250.00	7,184.36	95.66	29.80	19.22	-62.78	-873.34	2,916.03	2,862.70	53.33	54.679		
10,917.50	7,833.00	7,250.00	7,184.36	96.11	29.80	19.22	-62.78	-873.34	2,933.06	2,879.71	53.35	54.973		
10,950.00	7,833.12	7,250.00	7,184.36	96.94	29.80	5.26	-62.78	-873.34	2,964.75	2,911.35	53.40	55.520		
11,000.00	7,833.19	7,250.00	7,184.36	98.21	29.80	-16.77	-62.78	-873.34	3,013.54	2,960.07	53.47	56.362		
11,050.00	7,833.13	7,250.00	7,184.36	99.46	29.80	-34.62	-62.78	-873.34	3,062.07	3,008.54	53.53	57.200		
11,100.00	7,832.95	7,250.00	7,184.36	100.67	29.80	-46.99	-62.78	-873.34	3,109.98	3,056.39	53.60	58.027		
11,118.68	7,832.85	7,250.00	7,184.36	101.11	29.80	-50.49	-62.78	-873.34	3,127.65	3,074.04	53.62	58.332		
11,200.00	7,832.38	7,250.00	7,184.36	103.01	29.80	-50.49	-62.78	-873.34	3,204.41	3,150.69	53.72	59.646		
11,300.00	7,831.80	7,250.00	7,184.36	105.35	29.80	-50.49	-62.78	-873.34	3,299.09	3,245.24	53.85	61.263		
11,400.00	7,831.22	7,250.00	7,184.36	107.70	29.80	-50.49	-62.78	-873.34	3,394.08	3,340.10	53.97	62.884		
11,500.00	7,830.64	7,250.00	7,184.36	110.06	29.80	-50.49	-62.78	-873.34	3,489.35	3,435.25	54.09	64.507		
11,600.00	7,830.06	7,250.00	7,184.36	112.42	29.80	-50.49	-62.78	-873.34	3,584.87	3,530.66	54.21	66.131		
11,613.00	7,829.98	7,250.00	7,184.36	112.73	29.80	-50.49	-62.78	-873.34	3,597.30	3,543.08	54.22	66.342		
11,650.00	7,829.74	7,250.00	7,184.36	113.59	29.80	-56.96	-62.78	-873.34	3,632.43	3,578.17	54.26	66.939		
11,700.00	7,829.36	7,227.46	7,162.30	114.70	29.76	-62.27	-62.21	-877.94	3,678.34	3,624.13	54.21	67.855		
11,750.00	7,828.90	7,226.41	7,161.27	115.74	29.75	-66.54	-62.18	-878.13	3,723.25	3,668.98	54.27	68.607		
11,800.00	7,828.37	7,225.44	7,160.32	116.69	29.75	-69.63	-62.15	-878.31	3,766.39	3,712.05	54.34	69.313		
11,850.00	7,827.78	7,224.56	7,159.44	117.55	29.75	-71.95	-62.13	-878.47	3,807.52	3,753.10	54.42	69.963		
11,900.00	7,827.13	7,223.76	7,158.66	118.32	29.75	-73.74	-62.11	-878.61	3,846.39	3,791.87	54.52	70.548		
11,950.00	7,826.41	7,223.04	7,157.96	119.00	29.75	-75.16	-62.09	-878.74	3,882.78	3,828.14	54.64	71.056		
12,000.00	7,825.65	7,222.42	7,157.35	119.58	29.75	-76.30	-62.08	-878.85	3,916.48	3,861.69	54.79	71.478		
12,050.00	7,824.85	7,221.89	7,156.83	120.06	29.75	-77.23	-62.07	-878.94	3,947.31	3,892.34	54.97	71.802		
12,100.00	7,824.00	7,200.00	7,135.21	120.46	29.71	-77.64	-61.52	-882.36	3,975.56	3,920.46	55.10	72.152		
12,150.00	7,823.12	7,200.00	7,135.21	120.77	29.71	-78.30	-61.52	-882.36	4,000.15	3,944.78	55.37	72.239		
12,200.00	7,822.22	7,200.00	7,135.21	121.00	29.71	-78.84	-61.52	-882.36	4,021.44	3,965.74	55.70	72.193		
12,250.00	7,821.30	7,200.00	7,135.21	121.17	29.71	-79.29	-61.52	-882.36	4,039.32	3,983.22	56.10	72.005		
12,300.00	7,820.37	7,200.00	7,135.21	121.27	29.71	-79.66	-61.52	-882.36	4,053.69	3,997.12	56.56	71.665		
12,350.00	7,819.43	7,200.00	7,135.21	121.33	29.71	-79.95	-61.52	-882.36	4,064.48	4,007.37	57.11	71.169		
12,400.00	7,818.49	7,200.00	7,135.21	121.35	29.71	-80.16	-61.52	-882.36	4,071.65	4,013.91	57.74	70.516		
12,450.00	7,817.57	7,200.00	7,135.21	121.34	29.71	-80.32	-61.52	-882.36	4,075.15	4,016.69	58.46	69.706		
12,500.00	7,816.66	7,200.00	7,135.21	121.31	29.71	-80.41	-61.52	-882.36	4,074.97	4,015.70	59.27	68.749		
12,550.00	7,815.77	7,221.82	7,156.75	121.29	29.75	-80.74	-62.06	-878.95	4,070.66	4,010.39	60.26	67.548		
12,600.00	7,814.91	7,222.34	7,157.26	121.27	29.75	-80.70	-62.08	-878.86	4,063.11	4,001.86	61.25	66.335		
12,650.00	7,814.09	7,222.94	7,157.86	121.27	29.75	-80.59	-62.09	-878.75	4,051.94	3,989.62	62.32	65.020		
12,700.00	7,813.32	7,223.64	7,158.54	121.30	29.75	-80.41	-62.11	-878.63	4,037.20	3,973.74	63.45	63.624		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 2AH - OWB - PROPOSAL 1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD OWSG												<b>Offset Well Error:</b>	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	
12,750.00	7,812.59	7,224.42	7,159.31	121.36	29.75	-80.14	-62.13	-878.49	4,018.95	3,954.31	64.65	62.169	
12,800.00	7,811.92	7,225.29	7,160.16	121.47	29.75	-79.77	-62.15	-878.33	3,997.30	3,931.42	65.88	60.679	
12,850.00	7,811.31	7,226.24	7,161.10	121.62	29.75	-79.29	-62.17	-878.16	3,972.34	3,905.21	67.13	59.175	
12,900.00	7,810.76	7,227.27	7,162.11	121.82	29.75	-78.66	-62.20	-877.97	3,944.22	3,875.83	68.39	57.676	
12,950.00	7,810.28	7,228.38	7,163.20	122.07	29.76	-77.85	-62.23	-877.77	3,913.07	3,843.44	69.63	56.202	
13,000.00	7,809.87	7,250.00	7,184.36	122.37	29.80	-77.23	-62.78	-873.34	3,879.46	3,808.56	70.90	54.717	
13,050.00	7,809.54	7,250.00	7,184.36	122.72	29.80	-75.92	-62.78	-873.34	3,842.74	3,770.69	72.04	53.340	
13,100.00	7,809.28	7,250.00	7,184.36	123.11	29.80	-74.21	-62.78	-873.34	3,803.56	3,730.45	73.11	52.027	
13,150.00	7,809.11	7,250.00	7,184.36	123.53	29.80	-71.94	-62.78	-873.34	3,762.14	3,688.06	74.08	50.787	
13,200.00	7,809.01	7,250.00	7,184.36	123.98	29.80	-68.86	-62.78	-873.34	3,718.73	3,643.79	74.93	49.627	
13,213.90	7,809.00	7,250.00	7,184.36	124.11	29.80	-67.80	-62.78	-873.34	3,706.35	3,631.20	75.15	49.318	
13,300.00	7,808.95	7,250.00	7,184.36	124.93	29.80	-67.80	-62.78	-873.34	3,629.42	3,552.93	76.49	47.448	
13,400.00	7,808.89	7,250.00	7,184.36	125.92	29.80	-67.80	-62.78	-873.34	3,540.62	3,462.47	78.15	45.307	
13,500.00	7,808.82	7,250.00	7,184.36	126.97	29.80	-67.80	-62.78	-873.34	3,452.42	3,372.51	79.92	43.201	
13,600.00	7,808.76	7,250.00	7,184.36	128.07	29.80	-67.80	-62.78	-873.34	3,364.89	3,283.09	81.80	41.135	
13,700.00	7,808.70	7,250.00	7,184.36	129.22	29.80	-67.80	-62.78	-873.34	3,278.07	3,194.26	83.81	39.112	
13,800.00	7,808.64	7,250.00	7,184.36	130.41	29.80	-67.80	-62.78	-873.34	3,192.02	3,106.06	85.95	37.136	
13,900.00	7,808.58	7,250.00	7,184.36	131.65	29.80	-67.80	-62.78	-873.34	3,106.80	3,018.57	88.23	35.211	
14,000.00	7,808.52	7,250.00	7,184.36	132.93	29.80	-67.80	-62.78	-873.34	3,022.50	2,931.84	90.66	33.339	
14,100.00	7,808.45	7,250.00	7,184.36	134.26	29.80	-67.80	-62.78	-873.34	2,939.17	2,845.93	93.24	31.523	
14,200.00	7,808.39	7,272.61	7,206.28	135.63	29.83	-68.51	-63.37	-867.85	2,856.45	2,760.41	96.04	29.741	
14,300.00	7,808.33	7,277.78	7,211.26	137.04	29.83	-68.67	-63.50	-866.48	2,775.13	2,676.16	98.97	28.041	
14,400.00	7,808.27	7,300.00	7,232.53	138.49	29.86	-69.36	-64.10	-860.06	2,695.26	2,593.17	102.09	26.400	
14,500.00	7,808.21	7,300.00	7,232.53	139.98	29.86	-69.36	-64.10	-860.06	2,616.30	2,510.93	105.37	24.830	
14,600.00	7,808.14	7,300.00	7,232.53	141.51	29.86	-69.36	-64.10	-860.06	2,538.83	2,429.99	108.83	23.328	
14,700.00	7,808.08	7,300.00	7,232.53	143.07	29.86	-69.36	-64.10	-860.06	2,462.97	2,350.48	112.49	21.894	
14,800.00	7,808.02	7,300.00	7,232.53	144.67	29.86	-69.36	-64.10	-860.06	2,388.90	2,272.54	116.36	20.531	
14,900.00	7,807.96	7,300.00	7,232.53	146.30	29.86	-69.36	-64.10	-860.06	2,316.77	2,196.35	120.42	19.239	
15,000.00	7,807.90	7,326.28	7,257.33	147.96	29.89	-70.17	-64.81	-851.41	2,246.18	2,121.44	124.74	18.007	
15,100.00	7,807.84	7,350.00	7,279.36	149.66	29.92	-70.90	-65.46	-842.63	2,178.22	2,048.99	129.24	16.855	
15,200.00	7,807.77	7,350.00	7,279.36	151.38	29.92	-70.90	-65.46	-842.63	2,112.29	1,978.36	133.93	15.772	
15,300.00	7,807.71	7,350.00	7,279.36	153.14	29.92	-70.90	-65.46	-842.63	2,049.12	1,910.31	138.81	14.762	
15,400.00	7,807.65	7,369.35	7,297.04	154.92	29.93	-71.49	-66.00	-834.80	1,988.66	1,844.80	143.87	13.823	
15,500.00	7,807.59	7,382.90	7,309.26	156.73	29.94	-71.91	-66.38	-828.97	1,931.26	1,782.18	149.07	12.955	
15,600.00	7,807.53	7,400.00	7,324.49	158.56	29.95	-72.42	-66.86	-821.19	1,877.10	1,722.69	154.40	12.157	
15,700.00	7,807.47	7,400.00	7,324.49	160.42	29.95	-72.42	-66.86	-821.19	1,826.56	1,666.73	159.83	11.428	
15,800.00	7,807.40	7,433.08	7,353.24	162.31	29.97	-73.40	-67.80	-804.88	1,779.40	1,614.13	165.27	10.766	
15,900.00	7,807.34	7,450.00	7,367.57	164.22	29.98	-73.90	-68.28	-795.90	1,736.31	1,565.59	170.72	10.171	
16,000.00	7,807.28	7,477.21	7,390.05	166.15	29.99	-74.68	-69.07	-780.58	1,697.30	1,521.22	176.08	9.639	
16,100.00	7,807.22	7,500.00	7,408.29	168.10	30.01	-75.32	-69.73	-766.95	1,662.53	1,481.22	181.32	9.169	
16,200.00	7,807.16	7,533.40	7,434.02	170.08	30.02	-76.22	-70.69	-745.67	1,632.08	1,445.74	186.34	8.759	
16,300.00	7,807.10	7,567.25	7,458.78	172.07	30.04	-77.10	-71.67	-722.62	1,605.98	1,414.87	191.11	8.403	
16,400.00	7,807.03	7,600.00	7,481.40	174.08	30.06	-77.91	-72.61	-698.96	1,584.19	1,388.59	195.59	8.099	
16,455.46	7,807.00	7,629.22	7,500.41	175.21	30.09	-78.60	-73.45	-676.79	1,573.86	1,375.95	197.91	7.952	



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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	0.00	0.00	0.00	0.00	0.40	40.09	0.28	40.09					
100.00	100.00	100.00	100.00	0.27	0.13	0.40	40.09	0.28	40.09	39.69	0.40	99.414		
200.00	200.00	200.00	200.00	0.63	0.49	0.40	40.09	0.28	40.09	38.97	1.12	35.789		
300.00	299.98	299.98	299.98	0.98	0.85	126.39	40.09	0.28	41.10	39.28	1.83	22.505		
400.69	400.52	400.52	400.52	1.33	1.21	131.83	40.09	0.28	44.44	41.90	2.54	17.498		
500.00	499.59	499.59	499.59	1.69	1.57	137.85	40.09	0.28	49.36	46.11	3.25	15.186		
600.00	599.35	600.86	600.84	2.06	1.92	141.70	39.08	-1.17	53.35	49.40	3.96	13.488		
700.00	699.10	702.38	702.21	2.43	2.26	142.90	36.00	-5.58	54.66	50.00	4.66	11.732		
800.00	798.86	803.90	803.33	2.80	2.62	141.81	30.88	-12.93	53.13	47.75	5.37	9.887		
900.00	898.61	905.16	903.81	3.18	3.00	138.04	23.73	-23.18	48.89	42.79	6.10	8.012		
1,000.00	998.37	1,005.76	1,003.14	3.55	3.40	130.24	14.65	-36.21	42.53	35.67	6.86	6.198		
1,100.00	1,098.12	1,105.25	1,101.18	3.93	3.81	118.40	4.95	-50.12	36.57	28.90	7.67	4.767		
1,200.00	1,197.88	1,204.74	1,199.21	4.31	4.24	102.95	-4.74	-64.02	32.71	24.19	8.52	3.840		
1,281.16	1,278.84	1,285.48	1,278.78	4.61	4.58	88.51	-12.61	-75.30	31.67	22.47	9.20	3.444 CC		
1,300.00	1,297.63	1,304.23	1,297.25	4.68	4.67	85.09	-14.43	-77.92	31.73	22.38	9.35	3.394 ES		
1,400.00	1,397.38	1,403.72	1,395.28	5.06	5.10	67.86	-24.13	-91.82	33.87	23.77	10.10	3.354 SF		
1,500.00	1,497.14	1,503.21	1,493.32	5.44	5.54	53.74	-33.82	-105.73	38.62	27.84	10.78	3.582		
1,600.00	1,596.89	1,602.69	1,591.35	5.82	5.98	43.19	-43.51	-119.63	45.16	33.72	11.45	3.946		
1,700.00	1,696.65	1,702.18	1,689.39	6.19	6.43	35.48	-53.20	-133.53	52.84	40.72	12.12	4.361		
1,800.00	1,796.40	1,801.67	1,787.42	6.57	6.88	29.79	-62.90	-147.44	61.22	48.42	12.80	4.784		
1,900.00	1,896.16	1,901.16	1,885.46	6.95	7.33	25.51	-72.59	-161.34	70.06	56.57	13.49	5.193		
2,000.00	1,995.91	2,000.65	1,983.49	7.33	7.78	22.19	-82.28	-175.24	79.20	65.00	14.19	5.580		
2,100.00	2,095.67	2,100.14	2,081.53	7.71	8.23	19.57	-91.98	-189.15	88.54	73.64	14.90	5.942		
2,200.00	2,195.42	2,199.63	2,179.56	8.09	8.68	17.45	-101.67	-203.05	98.04	82.43	15.62	6.279		
2,300.00	2,295.18	2,299.12	2,277.59	8.46	9.14	15.70	-111.36	-216.95	107.65	91.31	16.33	6.591		
2,400.00	2,394.93	2,398.60	2,375.63	8.84	9.59	14.25	-121.06	-230.85	117.33	100.28	17.05	6.880		
2,500.00	2,494.69	2,498.09	2,473.66	9.22	10.05	13.01	-130.75	-244.76	127.09	109.31	17.78	7.149		
2,600.00	2,594.44	2,597.58	2,571.70	9.60	10.50	11.95	-140.44	-258.66	136.89	118.39	18.50	7.399		
2,700.00	2,694.20	2,697.07	2,669.73	9.98	10.96	11.04	-150.14	-272.56	146.73	127.50	19.23	7.631		
2,800.00	2,793.95	2,796.56	2,767.77	10.36	11.42	10.24	-159.83	-286.47	156.61	136.65	19.96	7.848		
2,900.00	2,893.71	2,896.05	2,865.80	10.74	11.88	9.53	-169.52	-300.37	166.51	145.82	20.68	8.050		
3,000.00	2,993.46	2,995.54	2,963.84	11.12	12.33	8.90	-179.22	-314.27	176.43	155.02	21.41	8.239		
3,100.00	3,093.22	3,095.03	3,061.87	11.49	12.79	8.34	-188.91	-328.18	186.38	164.23	22.14	8.416		
3,200.00	3,192.97	3,194.52	3,159.91	11.87	13.25	7.84	-198.60	-342.08	196.33	173.46	22.88	8.583		
3,300.00	3,292.72	3,294.00	3,257.94	12.25	13.71	7.39	-208.29	-355.98	206.31	182.70	23.61	8.739		
3,400.00	3,392.48	3,393.49	3,355.98	12.63	14.17	6.97	-217.99	-369.88	216.29	191.95	24.34	8.887		
3,500.00	3,492.23	3,492.98	3,454.01	13.01	14.63	6.60	-227.68	-383.79	226.28	201.21	25.07	9.026		
3,600.00	3,591.99	3,592.47	3,552.04	13.39	15.09	6.25	-237.37	-397.69	236.29	210.48	25.80	9.157		
3,700.00	3,691.74	3,691.96	3,650.08	13.77	15.55	5.94	-247.07	-411.59	246.30	219.76	26.54	9.281		
3,800.00	3,791.50	3,791.45	3,748.11	14.15	16.00	5.65	-256.76	-425.50	256.31	229.04	27.27	9.399		
3,900.00	3,891.25	3,890.94	3,846.15	14.53	16.46	5.38	-266.45	-439.40	266.34	238.33	28.00	9.511		
4,000.00	3,991.01	3,990.43	3,944.18	14.90	16.92	5.13	-276.15	-453.30	276.37	247.63	28.74	9.617		
4,100.00	4,090.76	4,089.92	4,042.22	15.28	17.38	4.89	-285.84	-467.21	286.40	256.93	29.47	9.718		
4,200.00	4,190.52	4,189.40	4,140.25	15.66	17.84	4.68	-295.53	-481.11	296.44	266.23	30.20	9.814		
4,300.00	4,290.27	4,288.89	4,238.29	16.04	18.30	4.47	-305.23	-495.01	306.48	275.54	30.94	9.906		
4,400.00	4,390.03	4,388.38	4,336.32	16.42	18.76	4.28	-314.92	-508.91	316.53	284.85	31.67	9.993		
4,500.00	4,489.78	4,487.87	4,434.36	16.80	19.22	4.10	-324.61	-522.82	326.57	294.17	32.41	10.077		
4,600.00	4,589.54	4,587.36	4,532.39	17.18	19.68	3.94	-334.31	-536.72	336.63	303.48	33.14	10.157		
4,700.00	4,689.29	4,686.85	4,630.42	17.56	20.15	3.78	-344.00	-550.62	346.68	312.80	33.88	10.233		
4,800.00	4,789.05	4,786.34	4,728.46	17.94	20.61	3.63	-353.69	-564.53	356.74	322.13	34.61	10.307		
4,900.00	4,888.80	4,885.83	4,826.49	18.31	21.07	3.49	-363.39	-578.43	366.80	331.45	35.35	10.377		
5,000.00	4,988.56	4,985.32	4,924.53	18.69	21.53	3.36	-373.08	-592.33	376.86	340.78	36.08	10.444		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													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	5,088.31	5,084.80	5,022.56	19.07	21.99	3.23	-382.77	-606.24	386.92	350.10	36.82	10.509		
5,200.00	5,188.06	5,184.29	5,120.60	19.45	22.45	3.11	-392.46	-620.14	396.99	359.43	37.55	10.571		
5,300.00	5,287.82	5,283.78	5,218.63	19.83	22.91	3.00	-402.16	-634.04	407.05	368.76	38.29	10.631		
5,400.00	5,387.57	5,383.27	5,316.67	20.21	23.37	2.89	-411.85	-647.94	417.12	378.10	39.02	10.689		
5,500.00	5,487.33	5,482.76	5,414.70	20.59	23.83	2.78	-421.54	-661.85	427.19	387.43	39.76	10.744		
5,600.00	5,587.08	5,582.25	5,512.74	20.97	24.29	2.69	-431.24	-675.75	437.26	396.77	40.49	10.798		
5,700.00	5,686.84	5,681.74	5,610.77	21.35	24.75	2.59	-440.93	-689.65	447.33	406.10	41.23	10.850		
5,800.00	5,786.59	5,781.23	5,708.81	21.72	25.21	2.50	-450.62	-703.56	457.41	415.44	41.97	10.899		
5,900.00	5,886.35	5,880.71	5,806.84	22.10	25.67	2.42	-460.32	-717.46	467.48	424.78	42.70	10.948		
6,000.00	5,986.10	5,980.20	5,904.87	22.48	26.14	2.33	-470.01	-731.36	477.56	434.12	43.44	10.994		
6,100.00	6,085.86	6,079.69	6,002.91	22.86	26.60	2.25	-479.70	-745.27	487.63	443.46	44.17	11.039		
6,200.00	6,185.61	6,179.18	6,100.94	23.24	27.06	2.18	-489.40	-759.17	497.71	452.80	44.91	11.082		
6,300.00	6,285.37	6,278.67	6,198.98	23.62	27.52	2.11	-499.09	-773.07	507.79	462.14	45.65	11.125		
6,400.00	6,385.12	6,378.16	6,297.01	24.00	27.98	2.04	-508.78	-786.97	517.86	471.48	46.38	11.165		
6,500.00	6,484.88	6,477.65	6,395.05	24.38	28.44	1.97	-518.48	-800.88	527.94	480.83	47.12	11.205		
6,600.00	6,584.63	6,577.14	6,493.08	24.76	28.90	1.90	-528.17	-814.78	538.02	490.17	47.85	11.243		
6,700.00	6,684.39	6,676.63	6,591.12	25.14	29.36	1.84	-537.86	-828.68	548.11	499.52	48.59	11.280		
6,800.00	6,784.14	6,776.11	6,689.15	25.51	29.83	1.78	-547.55	-842.59	558.19	508.86	49.33	11.316		
6,900.00	6,883.90	6,875.60	6,787.19	25.89	30.29	1.72	-557.25	-856.49	568.27	518.21	50.06	11.351		
7,000.00	6,983.65	6,975.09	6,885.22	26.27	30.75	1.67	-566.94	-870.39	578.35	527.55	50.80	11.385		
7,100.00	7,083.40	7,091.56	7,000.03	26.65	31.28	1.58	-578.30	-886.33	588.39	536.74	51.65	11.392		
7,200.00	7,183.16	7,604.58	7,464.62	27.03	32.00	-14.93	-628.56	-719.88	556.61	511.44	45.17	12.322		
7,298.28	7,281.20	7,782.93	7,567.78	27.40	31.94	-32.82	-641.72	-575.88	496.22	451.46	44.77	11.085		
7,300.00	7,282.91	7,784.77	7,568.60	27.41	31.94	-34.56	-641.83	-574.24	495.15	450.33	44.81	11.049		
7,350.00	7,332.59	7,823.50	7,584.69	27.61	31.95	-62.28	-644.12	-539.09	464.17	417.48	46.70	9.940		
7,400.00	7,381.62	7,842.34	7,591.65	27.82	31.95	-74.22	-645.15	-521.62	435.09	385.98	49.11	8.859		
7,450.00	7,429.64	7,849.10	7,594.00	28.05	31.95	-80.87	-645.51	-515.29	409.44	357.72	51.72	7.917		
7,500.00	7,476.29	7,848.11	7,593.66	28.30	31.95	-84.52	-645.45	-516.22	388.38	334.13	54.25	7.159		
7,550.00	7,521.20	7,841.89	7,591.49	28.56	31.95	-86.13	-645.13	-522.03	372.87	316.40	56.47	6.603		
7,600.00	7,564.03	7,832.02	7,587.90	28.83	31.95	-86.20	-644.59	-531.22	363.53	305.41	58.12	6.254		
7,647.37	7,602.40	7,820.19	7,583.40	29.11	31.95	-85.12	-643.93	-542.14	360.65	301.61	59.04	6.109		
7,650.00	7,604.47	7,819.48	7,583.13	29.13	31.95	-85.03	-643.89	-542.79	360.65	301.58	59.07	6.105		
7,700.00	7,642.19	7,804.95	7,577.28	29.45	31.94	-82.84	-643.05	-556.07	364.08	304.79	59.29	6.141		
7,750.00	7,676.92	7,788.89	7,570.43	29.79	31.94	-79.81	-642.08	-570.55	373.27	314.37	58.90	6.337		
7,800.00	7,708.39	7,771.65	7,562.62	30.17	31.95	-76.11	-641.01	-585.89	387.40	329.29	58.10	6.667		
7,850.00	7,736.35	7,750.00	7,552.18	30.59	31.95	-71.47	-639.59	-604.80	405.54	348.54	56.99	7.115		
7,900.00	7,760.61	7,734.51	7,544.27	31.04	31.95	-67.43	-638.54	-618.07	426.68	370.57	56.11	7.604		
7,950.00	7,780.97	7,714.94	7,533.78	31.53	31.96	-62.83	-637.17	-634.54	450.02	394.79	55.23	8.148		
8,000.00	7,797.27	7,700.00	7,525.39	32.07	31.96	-58.78	-636.09	-646.85	474.80	420.07	54.73	8.675		
8,050.00	7,809.40	7,674.34	7,510.25	32.65	31.97	-53.90	-634.17	-667.48	500.29	446.25	54.04	9.258		
8,100.00	7,817.26	7,650.00	7,495.06	33.27	31.98	-49.55	-632.28	-686.40	526.08	472.47	53.61	9.812		
8,150.00	7,820.79	7,632.30	7,483.51	33.92	31.99	-46.06	-630.85	-699.74	551.66	497.97	53.69	10.276		
8,163.06	7,821.00	7,626.72	7,479.79	34.09	31.99	-45.14	-630.40	-703.86	558.27	504.57	53.70	10.397		
8,200.00	7,821.16	7,611.32	7,469.30	34.60	31.99	-44.18	-629.13	-715.07	577.43	523.67	53.76	10.741		
8,300.00	7,821.60	7,573.37	7,442.21	36.08	32.00	-41.82	-625.89	-741.44	634.20	580.17	54.03	11.738		
8,400.00	7,822.03	7,550.00	7,424.68	37.69	32.01	-40.39	-623.82	-756.76	697.43	642.67	54.76	12.736		
8,500.00	7,822.47	7,500.00	7,385.18	39.43	32.01	-37.39	-619.25	-787.05	765.92	711.50	54.42	14.074		
8,600.00	7,822.90	7,500.00	7,385.18	41.27	32.01	-37.39	-619.25	-787.05	838.91	783.24	55.67	15.068		
8,700.00	7,823.34	7,450.00	7,343.20	43.20	32.00	-34.53	-614.49	-813.75	915.48	860.23	55.25	16.570		
8,800.00	7,823.78	7,450.00	7,343.20	45.21	32.00	-34.53	-614.49	-813.75	994.95	938.76	56.18	17.708		
8,900.00	7,824.21	7,426.18	7,322.41	47.29	31.99	-33.23	-612.17	-825.16	1,077.11	1,020.74	56.37	19.109		
9,000.00	7,824.65	7,400.00	7,299.05	49.44	31.97	-31.86	-609.58	-836.67	1,161.59	1,105.14	56.45	20.578		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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		
9,100.00	7,825.08	7,400.00	7,299.05	51.63	31.97	-31.86	-609.58	-836.67	1,247.61	1,190.58	57.03	21.876		
9,200.00	7,825.52	7,400.00	7,299.05	53.87	31.97	-31.86	-609.58	-836.67	1,335.58	1,278.08	57.51	23.225		
9,300.00	7,825.95	7,372.04	7,273.55	56.15	31.95	-30.44	-606.78	-847.78	1,424.21	1,366.78	57.43	24.801		
9,400.00	7,826.39	7,350.00	7,253.08	58.47	31.93	-29.37	-604.56	-855.64	1,514.42	1,456.99	57.44	26.366		
9,500.00	7,826.82	7,350.00	7,253.08	60.82	31.93	-29.37	-604.56	-855.64	1,605.29	1,547.51	57.78	27.785		
9,600.00	7,827.26	7,350.00	7,253.08	63.19	31.93	-29.37	-604.56	-855.64	1,697.18	1,639.12	58.06	29.230		
9,700.00	7,827.70	7,350.00	7,253.08	65.59	31.93	-29.37	-604.56	-855.64	1,789.94	1,731.63	58.31	30.698		
9,800.00	7,828.13	7,327.78	7,232.16	68.02	31.90	-28.34	-602.30	-862.76	1,882.89	1,824.64	58.25	32.326		
9,900.00	7,828.57	7,320.94	7,225.66	70.46	31.89	-28.03	-601.61	-864.78	1,976.64	1,918.27	58.37	33.865		
10,000.00	7,829.00	7,300.00	7,205.63	72.92	31.86	-27.10	-599.47	-870.50	2,071.12	2,012.81	58.31	35.516		
10,100.00	7,829.44	7,300.00	7,205.63	75.40	31.86	-27.10	-599.47	-870.50	2,165.65	2,107.16	58.49	37.025		
10,200.00	7,829.87	7,300.00	7,205.63	77.89	31.86	-27.10	-599.47	-870.50	2,260.66	2,202.01	58.65	38.545		
10,300.00	7,830.31	7,300.00	7,205.63	80.40	31.86	-27.10	-599.47	-870.50	2,356.07	2,297.28	58.79	40.075		
10,400.00	7,830.75	7,300.00	7,205.63	82.92	31.86	-27.10	-599.47	-870.50	2,451.85	2,392.93	58.92	41.612		
10,500.00	7,831.18	7,300.00	7,205.63	85.45	31.86	-27.10	-599.47	-870.50	2,547.96	2,488.92	59.04	43.156		
10,600.00	7,831.62	7,300.00	7,205.63	87.99	31.86	-27.10	-599.47	-870.50	2,644.36	2,585.21	59.15	44.706		
10,700.00	7,832.05	7,300.00	7,205.63	90.54	31.86	-27.10	-599.47	-870.50	2,741.01	2,681.76	59.25	46.260		
10,800.00	7,832.49	7,276.88	7,183.29	93.09	31.82	-26.11	-597.10	-875.95	2,837.34	2,778.18	59.16	47.964		
10,900.00	7,832.92	7,273.36	7,179.87	95.66	31.81	-25.97	-596.73	-876.70	2,934.25	2,875.03	59.22	49.547		
10,917.50	7,833.00	7,272.76	7,179.28	96.11	31.81	-25.94	-596.67	-876.83	2,951.23	2,892.00	59.23	49.824		
10,950.00	7,833.12	7,271.68	7,178.23	96.94	31.81	-36.25	-596.56	-877.05	2,982.66	2,923.41	59.25	50.340		
11,000.00	7,833.19	7,250.00	7,157.06	98.21	31.77	-46.91	-594.34	-881.15	3,030.84	2,971.74	59.10	51.284		
11,050.00	7,833.13	7,250.00	7,157.06	99.46	31.77	-54.89	-594.34	-881.15	3,077.57	3,018.46	59.10	52.072		
11,100.00	7,832.95	7,250.00	7,157.06	100.67	31.77	-60.47	-594.34	-881.15	3,123.01	3,063.92	59.08	52.857		
11,118.68	7,832.85	7,250.00	7,157.06	101.11	31.77	-62.12	-594.34	-881.15	3,139.59	3,080.52	59.07	53.150		
11,200.00	7,832.38	7,250.00	7,157.06	103.01	31.77	-62.12	-594.34	-881.15	3,211.55	3,152.53	59.02	54.415		
11,300.00	7,831.80	7,250.00	7,157.06	105.35	31.77	-62.12	-594.34	-881.15	3,300.62	3,241.66	58.97	55.976		
11,400.00	7,831.22	7,250.00	7,157.06	107.70	31.77	-62.12	-594.34	-881.15	3,390.31	3,331.39	58.92	57.544		
11,500.00	7,830.64	7,250.00	7,157.06	110.06	31.77	-62.12	-594.34	-881.15	3,480.56	3,421.68	58.87	59.118		
11,600.00	7,830.06	7,250.00	7,157.06	112.42	31.77	-62.12	-594.34	-881.15	3,571.32	3,512.49	58.84	60.699		
11,613.00	7,829.98	7,250.00	7,157.06	112.73	31.77	-62.12	-594.34	-881.15	3,583.16	3,524.32	58.83	60.905		
11,650.00	7,829.74	7,250.00	7,157.06	113.59	31.77	-65.39	-594.34	-881.15	3,616.43	3,557.62	58.81	61.491		
11,700.00	7,829.36	7,250.00	7,157.06	114.70	31.77	-68.72	-594.34	-881.15	3,659.89	3,601.13	58.77	62.277		
11,750.00	7,828.90	7,250.00	7,157.06	115.74	31.77	-71.20	-594.34	-881.15	3,701.40	3,642.69	58.70	63.052		
11,800.00	7,828.37	7,250.00	7,157.06	116.69	31.77	-73.11	-594.34	-881.15	3,740.69	3,682.07	58.62	63.812		
11,850.00	7,827.78	7,250.00	7,157.06	117.55	31.77	-74.61	-594.34	-881.15	3,777.55	3,719.04	58.52	64.552		
11,900.00	7,827.13	7,250.00	7,157.06	118.32	31.77	-75.81	-594.34	-881.15	3,811.78	3,753.38	58.40	65.270		
11,950.00	7,826.41	7,250.00	7,157.06	119.00	31.77	-76.79	-594.34	-881.15	3,843.18	3,784.91	58.27	65.960		
12,000.00	7,825.65	7,250.00	7,157.06	119.58	31.77	-77.60	-594.34	-881.15	3,871.58	3,813.47	58.12	66.616		
12,050.00	7,824.85	7,250.00	7,157.06	120.06	31.77	-78.26	-594.34	-881.15	3,896.85	3,838.89	57.96	67.229		
12,100.00	7,824.00	7,250.00	7,157.06	120.46	31.77	-78.82	-594.34	-881.15	3,918.84	3,861.03	57.81	67.791		
12,150.00	7,823.12	7,250.00	7,157.06	120.77	31.77	-79.27	-594.34	-881.15	3,937.45	3,879.80	57.66	68.290		
12,200.00	7,822.22	7,250.00	7,157.06	121.00	31.77	-79.65	-594.34	-881.15	3,952.59	3,895.06	57.52	68.712		
12,250.00	7,821.30	7,250.00	7,157.06	121.17	31.77	-79.94	-594.34	-881.15	3,964.17	3,906.76	57.42	69.043		
12,300.00	7,820.37	7,250.00	7,157.06	121.27	31.77	-80.18	-594.34	-881.15	3,972.15	3,914.80	57.35	69.265		
12,350.00	7,819.43	7,250.00	7,157.06	121.33	31.77	-80.34	-594.34	-881.15	3,976.48	3,919.15	57.33	69.363		
12,400.00	7,818.49	7,250.00	7,157.06	121.35	31.77	-80.45	-594.34	-881.15	3,977.15	3,919.77	57.37	69.321		
12,450.00	7,817.57	7,250.00	7,157.06	121.34	31.77	-80.49	-594.34	-881.15	3,974.14	3,916.65	57.49	69.127		
12,500.00	7,816.66	7,250.00	7,157.06	121.31	31.77	-80.47	-594.34	-881.15	3,967.48	3,909.79	57.69	68.770		
12,550.00	7,815.77	7,250.00	7,157.06	121.29	31.77	-80.37	-594.34	-881.15	3,957.19	3,899.21	57.98	68.248		
12,600.00	7,814.91	7,250.00	7,157.06	121.27	31.77	-80.20	-594.34	-881.15	3,943.34	3,884.97	58.36	67.563		
12,650.00	7,814.09	7,250.00	7,157.06	121.27	31.77	-79.95	-594.34	-881.15	3,925.97	3,867.13	58.84	66.725		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SEC 19-T4S-R64W - LUSSING TRUST 4-64 19-20 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		
12,700.00	7,813.32	7,250.00	7,157.06	121.30	31.77	-79.60	-594.34	-881.15	3,905.19	3,845.80	59.40	65.748		
12,750.00	7,812.59	7,250.00	7,157.06	121.36	31.77	-79.13	-594.34	-881.15	3,881.10	3,821.07	60.03	64.653		
12,800.00	7,811.92	7,250.00	7,157.06	121.47	31.77	-78.53	-594.34	-881.15	3,853.81	3,793.09	60.72	63.464		
12,850.00	7,811.31	7,250.00	7,157.06	121.62	31.77	-77.75	-594.34	-881.15	3,823.48	3,762.01	61.46	62.206		
12,900.00	7,810.76	7,250.00	7,157.06	121.82	31.77	-76.76	-594.34	-881.15	3,790.25	3,728.02	62.23	60.907		
12,950.00	7,810.28	7,250.00	7,157.06	122.07	31.77	-75.48	-594.34	-881.15	3,754.32	3,691.32	63.00	59.592		
13,000.00	7,809.87	7,250.00	7,157.06	122.37	31.77	-73.83	-594.34	-881.15	3,715.88	3,652.13	63.75	58.284		
13,050.00	7,809.54	7,250.00	7,157.06	122.72	31.77	-71.67	-594.34	-881.15	3,675.15	3,610.68	64.47	57.005		
13,100.00	7,809.28	7,250.00	7,157.06	123.11	31.77	-68.75	-594.34	-881.15	3,632.37	3,567.24	65.13	55.772		
13,150.00	7,809.11	7,271.85	7,178.40	123.53	31.81	-65.42	-596.58	-877.02	3,587.32	3,521.53	65.79	54.524		
13,200.00	7,809.01	7,273.39	7,179.90	123.98	31.81	-59.74	-596.74	-876.70	3,541.16	3,474.87	66.28	53.426		
13,213.90	7,809.00	7,273.81	7,180.31	124.11	31.81	-57.72	-596.78	-876.61	3,528.10	3,461.70	66.40	53.134		
13,300.00	7,808.95	7,276.50	7,182.92	124.93	31.82	-57.82	-597.06	-876.03	3,447.00	3,379.89	67.12	51.357		
13,400.00	7,808.89	7,300.00	7,205.63	125.92	31.86	-58.71	-599.47	-870.50	3,353.52	3,285.43	68.09	49.248		
13,500.00	7,808.82	7,300.00	7,205.63	126.97	31.86	-58.71	-599.47	-870.50	3,259.85	3,190.78	69.08	47.191		
13,600.00	7,808.76	7,300.00	7,205.63	128.07	31.86	-58.71	-599.47	-870.50	3,166.57	3,096.42	70.15	45.137		
13,700.00	7,808.70	7,300.00	7,205.63	129.22	31.86	-58.71	-599.47	-870.50	3,073.71	3,002.38	71.33	43.089		
13,800.00	7,808.64	7,300.00	7,205.63	130.41	31.86	-58.71	-599.47	-870.50	2,981.31	2,908.69	72.62	41.051		
13,900.00	7,808.58	7,300.00	7,205.63	131.65	31.86	-58.71	-599.47	-870.50	2,889.42	2,815.39	74.03	39.028		
14,000.00	7,808.52	7,300.00	7,205.63	132.93	31.86	-58.71	-599.47	-870.50	2,798.09	2,722.51	75.57	37.024		
14,100.00	7,808.45	7,300.00	7,205.63	134.26	31.86	-58.71	-599.47	-870.50	2,707.36	2,630.11	77.26	35.044		
14,200.00	7,808.39	7,300.00	7,205.63	135.63	31.86	-58.71	-599.47	-870.50	2,617.32	2,538.23	79.09	33.094		
14,300.00	7,808.33	7,300.00	7,205.63	137.04	31.86	-58.71	-599.47	-870.50	2,528.02	2,446.93	81.09	31.177		
14,400.00	7,808.27	7,324.86	7,229.39	138.49	31.89	-59.66	-602.01	-863.63	2,438.92	2,355.64	83.29	29.284		
14,500.00	7,808.21	7,350.00	7,253.08	139.98	31.93	-60.64	-604.56	-855.64	2,351.38	2,265.73	85.65	27.452		
14,600.00	7,808.14	7,350.00	7,253.08	141.51	31.93	-60.64	-604.56	-855.64	2,264.19	2,175.96	88.23	25.663		
14,700.00	7,808.08	7,350.00	7,253.08	143.07	31.93	-60.64	-604.56	-855.64	2,178.09	2,087.06	91.03	23.926		
14,800.00	7,808.02	7,350.00	7,253.08	144.67	31.93	-60.64	-604.56	-855.64	2,093.24	1,999.15	94.09	22.248		
14,900.00	7,807.96	7,350.00	7,253.08	146.30	31.93	-60.64	-604.56	-855.64	2,009.77	1,912.36	97.41	20.632		
15,000.00	7,807.90	7,370.19	7,271.85	147.96	31.94	-61.43	-606.60	-848.46	1,927.46	1,826.47	100.99	19.086		
15,100.00	7,807.84	7,380.03	7,280.89	149.66	31.95	-61.82	-607.59	-844.73	1,846.85	1,741.96	104.89	17.608		
15,200.00	7,807.77	7,400.00	7,299.05	151.38	31.97	-62.60	-609.58	-836.67	1,768.07	1,658.99	109.08	16.209		
15,300.00	7,807.71	7,400.00	7,299.05	153.14	31.97	-62.60	-609.58	-836.67	1,691.10	1,577.40	113.70	14.874		
15,400.00	7,807.65	7,400.00	7,299.05	154.92	31.97	-62.60	-609.58	-836.67	1,616.65	1,497.97	118.68	13.621		
15,500.00	7,807.59	7,429.28	7,325.15	156.73	31.99	-63.76	-612.47	-823.72	1,544.21	1,420.27	123.94	12.460		
15,600.00	7,807.53	7,450.00	7,343.20	158.56	32.00	-64.57	-614.49	-813.75	1,474.81	1,345.22	129.60	11.380		
15,700.00	7,807.47	7,450.00	7,343.20	160.42	32.00	-64.57	-614.49	-813.75	1,408.62	1,272.84	135.78	10.374		
15,800.00	7,807.40	7,480.99	7,369.50	162.31	32.00	-65.79	-617.46	-797.63	1,345.64	1,203.51	142.13	9.468		
15,900.00	7,807.34	7,500.00	7,385.18	164.22	32.01	-66.53	-619.25	-787.05	1,286.67	1,137.77	148.90	8.641		
16,000.00	7,807.28	7,525.94	7,406.01	166.15	32.01	-67.53	-621.65	-771.77	1,231.93	1,076.06	155.87	7.904		
16,100.00	7,807.22	7,550.00	7,424.68	168.10	32.01	-68.44	-623.82	-756.76	1,181.85	1,018.81	163.05	7.249		
16,200.00	7,807.16	7,582.41	7,448.82	170.08	32.00	-69.64	-626.67	-735.32	1,136.76	966.55	170.21	6.679		
16,300.00	7,807.10	7,616.04	7,472.54	172.07	31.99	-70.85	-629.52	-711.67	1,096.97	919.69	177.28	6.188		
16,400.00	7,807.03	7,650.00	7,495.06	174.08	31.98	-72.01	-632.28	-686.40	1,062.69	878.56	184.13	5.771		
16,455.46	7,807.00	7,676.83	7,511.76	175.21	31.97	-72.89	-634.36	-665.51	1,046.06	858.37	187.69	5.573		

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2297-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		
8,600.00	7,822.90	7,961.00	7,879.64	41.27	22.01	-89.07	-2,885.49	-11,050.47	9,985.78	9,936.37	49.41	202.085		
8,700.00	7,823.34	7,961.00	7,879.64	43.20	22.01	-89.07	-2,885.49	-11,050.47	9,889.96	9,840.36	49.60	199.411		
8,800.00	7,823.78	7,961.00	7,879.64	45.21	22.01	-89.07	-2,885.49	-11,050.47	9,794.21	9,744.41	49.81	196.644		
8,900.00	7,824.21	7,961.00	7,879.64	47.29	22.01	-89.07	-2,885.49	-11,050.47	9,698.56	9,648.51	50.05	193.786		
9,000.00	7,824.65	7,961.00	7,879.64	49.44	22.01	-89.07	-2,885.49	-11,050.47	9,602.99	9,552.67	50.32	190.839		
9,100.00	7,825.08	7,961.00	7,879.64	51.63	22.01	-89.07	-2,885.49	-11,050.47	9,507.51	9,456.89	50.62	187.808		
9,200.00	7,825.52	7,961.00	7,879.64	53.87	22.01	-89.07	-2,885.49	-11,050.47	9,412.13	9,361.17	50.96	184.695		
9,300.00	7,825.95	7,961.00	7,879.64	56.15	22.01	-89.07	-2,885.49	-11,050.47	9,316.84	9,265.51	51.33	181.506		
9,400.00	7,826.39	7,961.00	7,879.64	58.47	22.01	-89.07	-2,885.49	-11,050.47	9,221.66	9,169.92	51.74	178.246		
9,500.00	7,826.82	7,961.00	7,879.64	60.82	22.01	-89.07	-2,885.49	-11,050.47	9,126.57	9,074.40	52.18	174.919		
9,600.00	7,827.26	7,961.00	7,879.64	63.19	22.01	-89.07	-2,885.49	-11,050.47	9,031.60	8,978.94	52.65	171.533		
9,700.00	7,827.70	7,961.00	7,879.64	65.59	22.01	-89.07	-2,885.49	-11,050.47	8,936.73	8,883.56	53.17	168.093		
9,800.00	7,828.13	7,961.00	7,879.64	68.02	22.01	-89.07	-2,885.49	-11,050.47	8,841.98	8,788.26	53.72	164.606		
9,900.00	7,828.57	7,961.00	7,879.64	70.46	22.01	-89.07	-2,885.49	-11,050.47	8,747.34	8,693.03	54.30	161.079		
10,000.00	7,829.00	7,961.00	7,879.64	72.92	22.01	-89.07	-2,885.49	-11,050.47	8,652.82	8,597.89	54.93	157.518		
10,100.00	7,829.44	7,961.00	7,879.64	75.40	22.01	-89.07	-2,885.49	-11,050.47	8,558.43	8,502.83	55.60	153.931		
10,200.00	7,829.87	7,961.00	7,879.64	77.89	22.01	-89.07	-2,885.49	-11,050.47	8,464.16	8,407.86	56.31	150.324		
10,300.00	7,830.31	7,961.00	7,879.64	80.40	22.01	-89.07	-2,885.49	-11,050.47	8,370.03	8,312.98	57.05	146.705		
10,400.00	7,830.75	7,961.00	7,879.64	82.92	22.01	-89.07	-2,885.49	-11,050.47	8,276.04	8,218.20	57.84	143.079		
10,500.00	7,831.18	7,961.00	7,879.64	85.45	22.01	-89.07	-2,885.49	-11,050.47	8,182.19	8,123.52	58.67	139.454		
10,600.00	7,831.62	7,961.00	7,879.64	87.99	22.01	-89.07	-2,885.49	-11,050.47	8,088.49	8,028.94	59.55	135.836		
10,700.00	7,832.05	7,961.00	7,879.64	90.54	22.01	-89.07	-2,885.49	-11,050.47	7,994.94	7,934.48	60.46	132.231		
10,800.00	7,832.49	7,961.00	7,879.64	93.09	22.01	-89.07	-2,885.49	-11,050.47	7,901.55	7,840.13	61.42	128.645		
10,900.00	7,832.92	7,961.00	7,879.64	95.66	22.01	-89.07	-2,885.49	-11,050.47	7,808.32	7,745.89	62.42	125.083		
10,917.50	7,833.00	7,961.00	7,879.64	96.11	22.01	-89.07	-2,885.49	-11,050.47	7,792.02	7,729.41	62.61	124.463		
10,950.00	7,833.12	7,961.00	7,879.64	96.94	22.01	-89.19	-2,885.49	-11,050.47	7,761.45	7,698.53	62.92	123.354		
11,000.00	7,833.19	7,961.00	7,879.64	98.21	22.01	-89.49	-2,885.49	-11,050.47	7,713.34	7,650.03	63.31	121.827		
11,050.00	7,833.13	7,961.00	7,879.64	99.46	22.01	-90.17	-2,885.49	-11,050.47	7,664.25	7,600.66	63.59	120.522		
11,100.00	7,832.95	7,961.00	7,879.64	100.67	22.01	-92.86	-2,885.49	-11,050.47	7,614.53	7,550.78	63.75	119.444		
11,118.68	7,832.85	7,961.00	7,879.64	101.11	22.01	-98.18	-2,885.49	-11,050.47	7,595.88	7,532.10	63.78	119.100		
11,200.00	7,832.38	7,961.00	7,879.64	103.01	22.01	-98.18	-2,885.49	-11,050.47	7,514.58	7,450.72	63.86	117.674		
11,300.00	7,831.80	7,961.00	7,879.64	105.35	22.01	-98.18	-2,885.49	-11,050.47	7,414.62	7,350.66	63.96	115.922		
11,400.00	7,831.22	7,961.00	7,879.64	107.70	22.01	-98.18	-2,885.49	-11,050.47	7,314.66	7,250.60	64.07	114.170		
11,500.00	7,830.64	7,961.00	7,879.64	110.06	22.01	-98.18	-2,885.49	-11,050.47	7,214.71	7,150.53	64.18	112.420		
11,600.00	7,830.06	7,961.00	7,879.64	112.42	22.01	-98.18	-2,885.49	-11,050.47	7,114.75	7,050.46	64.29	110.670		
11,613.00	7,829.98	7,961.00	7,879.64	112.73	22.01	-98.18	-2,885.49	-11,050.47	7,101.76	7,037.46	64.30	110.442		
11,650.00	7,829.74	7,961.00	7,879.64	113.59	22.01	98.66	-2,885.49	-11,050.47	7,064.76	7,000.45	64.31	109.856		
11,700.00	7,829.36	7,961.00	7,879.64	114.70	22.01	93.19	-2,885.49	-11,050.47	7,014.94	6,950.73	64.21	109.255		
11,750.00	7,828.90	7,961.00	7,879.64	115.74	22.01	92.23	-2,885.49	-11,050.47	6,965.65	6,901.67	63.98	108.870		
11,800.00	7,828.37	7,961.00	7,879.64	116.69	22.01	91.80	-2,885.49	-11,050.47	6,917.30	6,853.66	63.64	108.695 SF		
11,850.00	7,827.78	7,961.00	7,879.64	117.55	22.01	91.54	-2,885.49	-11,050.47	6,870.27	6,807.08	63.19	108.720		
11,900.00	7,827.13	7,961.00	7,879.64	118.32	22.01	91.35	-2,885.49	-11,050.47	6,824.96	6,762.30	62.65	108.930		
11,950.00	7,826.41	7,961.00	7,879.64	119.00	22.01	91.19	-2,885.49	-11,050.47	6,781.74	6,719.70	62.04	109.310		
12,000.00	7,825.65	7,961.00	7,879.64	119.58	22.01	91.05	-2,885.49	-11,050.47	6,740.99	6,679.61	61.37	109.841		
12,050.00	7,824.85	7,961.00	7,879.64	120.06	22.01	90.93	-2,885.49	-11,050.47	6,703.06	6,642.40	60.66	110.500		
12,100.00	7,824.00	7,961.00	7,879.64	120.46	22.01	90.81	-2,885.49	-11,050.47	6,668.30	6,608.36	59.93	111.260		
12,150.00	7,823.12	7,961.00	7,879.64	120.77	22.01	90.70	-2,885.49	-11,050.47	6,637.02	6,577.81	59.21	112.092		
12,200.00	7,822.22	7,961.00	7,879.64	121.00	22.01	90.59	-2,885.49	-11,050.47	6,609.51	6,551.00	58.51	112.964		
12,250.00	7,821.30	7,961.00	7,879.64	121.17	22.01	90.48	-2,885.49	-11,050.47	6,586.03	6,528.17	57.85	113.842		
12,300.00	7,820.37	7,961.00	7,879.64	121.27	22.01	90.37	-2,885.49	-11,050.47	6,566.80	6,509.54	57.26	114.693		
12,350.00	7,819.43	7,961.00	7,879.64	121.33	22.01	90.27	-2,885.49	-11,050.47	6,552.00	6,495.27	56.73	115.486		
12,400.00	7,818.49	7,961.00	7,879.64	121.35	22.01	90.17	-2,885.49	-11,050.47	6,541.78	6,485.48	56.30	116.192		

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2297-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		
12,450.00	7,817.57	7,961.00	7,879.64	121.34	22.01	90.08	-2,885.49	-11,050.47	6,536.24	6,480.28	55.97	116.791		
12,483.52	7,816.95	7,961.00	7,879.64	121.32	22.01	90.01	-2,885.49	-11,050.47	6,535.18	6,479.37	55.80	117.110	CC, ES	
12,500.00	7,816.66	7,961.00	7,879.64	121.31	22.01	89.99	-2,885.49	-11,050.47	6,535.43	6,479.70	55.73	117.269		
12,550.00	7,815.77	7,961.00	7,879.64	121.29	22.01	89.90	-2,885.49	-11,050.47	6,539.36	6,483.77	55.60	117.621		
12,600.00	7,814.91	7,961.00	7,879.64	121.27	22.01	89.82	-2,885.49	-11,050.47	6,548.00	6,492.43	55.56	117.852		
12,650.00	7,814.09	7,961.00	7,879.64	121.27	22.01	89.74	-2,885.49	-11,050.47	6,561.24	6,505.63	55.62	117.975		
12,700.00	7,813.32	7,961.00	7,879.64	121.30	22.01	89.68	-2,885.49	-11,050.47	6,578.98	6,523.23	55.75	118.010		
12,750.00	7,812.59	7,961.00	7,879.64	121.36	22.01	89.62	-2,885.49	-11,050.47	6,601.04	6,545.09	55.95	117.984		
12,800.00	7,811.92	7,961.00	7,879.64	121.47	22.01	89.57	-2,885.49	-11,050.47	6,627.20	6,571.00	56.20	117.925		
12,850.00	7,811.31	7,961.00	7,879.64	121.62	22.01	89.53	-2,885.49	-11,050.47	6,657.23	6,600.74	56.48	117.864		
12,900.00	7,810.76	7,961.00	7,879.64	121.82	22.01	89.51	-2,885.49	-11,050.47	6,690.83	6,634.05	56.78	117.828		
12,950.00	7,810.28	7,961.00	7,879.64	122.07	22.01	89.50	-2,885.49	-11,050.47	6,727.72	6,670.63	57.09	117.845		
13,000.00	7,809.87	7,961.00	7,879.64	122.37	22.01	89.51	-2,885.49	-11,050.47	6,767.54	6,710.16	57.38	117.937		
13,050.00	7,809.54	7,961.00	7,879.64	122.72	22.01	89.56	-2,885.49	-11,050.47	6,809.96	6,752.31	57.65	118.122		
13,100.00	7,809.28	7,961.00	7,879.64	123.11	22.01	89.64	-2,885.49	-11,050.47	6,854.61	6,796.72	57.89	118.414		
13,150.00	7,809.11	7,961.00	7,879.64	123.53	22.01	89.79	-2,885.49	-11,050.47	6,901.09	6,843.01	58.08	118.821		
13,200.00	7,809.01	7,961.00	7,879.64	123.98	22.01	90.08	-2,885.49	-11,050.47	6,949.04	6,890.81	58.22	119.348		
13,213.90	7,809.00	7,961.00	7,879.64	124.11	22.01	90.21	-2,885.49	-11,050.47	6,962.57	6,904.31	58.26	119.514		
13,300.00	7,808.95	7,961.00	7,879.64	124.93	22.01	90.21	-2,885.49	-11,050.47	7,046.67	6,988.24	58.44	120.587		
13,400.00	7,808.89	7,961.00	7,879.64	125.92	22.01	90.21	-2,885.49	-11,050.47	7,144.41	7,085.76	58.64	121.826		
13,500.00	7,808.82	7,961.00	7,879.64	126.97	22.01	90.21	-2,885.49	-11,050.47	7,242.21	7,183.35	58.85	123.056		
13,600.00	7,808.76	7,961.00	7,879.64	128.07	22.01	90.21	-2,885.49	-11,050.47	7,340.06	7,281.00	59.06	124.278		
13,700.00	7,808.70	7,961.00	7,879.64	129.22	22.01	90.21	-2,885.49	-11,050.47	7,437.98	7,378.71	59.27	125.492		
13,800.00	7,808.64	7,961.00	7,879.64	130.41	22.01	90.21	-2,885.49	-11,050.47	7,535.95	7,476.47	59.48	126.699		
13,900.00	7,808.58	7,961.00	7,879.64	131.65	22.01	90.21	-2,885.49	-11,050.47	7,633.97	7,574.28	59.69	127.900		
14,000.00	7,808.52	7,961.00	7,879.64	132.93	22.01	90.21	-2,885.49	-11,050.47	7,732.04	7,672.15	59.89	129.095		
14,100.00	7,808.45	7,961.00	7,879.64	134.26	22.01	90.21	-2,885.49	-11,050.47	7,830.16	7,770.06	60.10	130.285		
14,200.00	7,808.39	7,961.00	7,879.64	135.63	22.01	90.21	-2,885.49	-11,050.47	7,928.33	7,868.02	60.31	131.470		
14,300.00	7,808.33	7,961.00	7,879.64	137.04	22.01	90.21	-2,885.49	-11,050.47	8,026.54	7,966.03	60.51	132.651		
14,400.00	7,808.27	7,961.00	7,879.64	138.49	22.01	90.21	-2,885.49	-11,050.47	8,124.80	8,064.09	60.71	133.827		
14,500.00	7,808.21	7,961.00	7,879.64	139.98	22.01	90.21	-2,885.49	-11,050.47	8,223.10	8,162.19	60.91	135.000		
14,600.00	7,808.14	7,961.00	7,879.64	141.51	22.01	90.21	-2,885.49	-11,050.47	8,321.44	8,260.33	61.11	136.169		
14,700.00	7,808.08	7,961.00	7,879.64	143.07	22.01	90.21	-2,885.49	-11,050.47	8,419.82	8,358.51	61.31	137.335		
14,800.00	7,808.02	7,961.00	7,879.64	144.67	22.01	90.21	-2,885.49	-11,050.47	8,518.23	8,456.73	61.50	138.498		
14,900.00	7,807.96	7,961.00	7,879.64	146.30	22.01	90.21	-2,885.49	-11,050.47	8,616.69	8,554.99	61.70	139.658		
15,000.00	7,807.90	7,961.00	7,879.64	147.96	22.01	90.21	-2,885.49	-11,050.47	8,715.17	8,653.28	61.89	140.816		
15,100.00	7,807.84	7,961.00	7,879.64	149.66	22.01	90.21	-2,885.49	-11,050.47	8,813.70	8,751.62	62.08	141.971		
15,200.00	7,807.77	7,961.00	7,879.64	151.38	22.01	90.21	-2,885.49	-11,050.47	8,912.25	8,849.98	62.27	143.124		
15,300.00	7,807.71	7,961.00	7,879.64	153.14	22.01	90.21	-2,885.49	-11,050.47	9,010.84	8,948.38	62.46	144.275		
15,400.00	7,807.65	7,961.00	7,879.64	154.92	22.01	90.21	-2,885.49	-11,050.47	9,109.46	9,046.82	62.64	145.424		
15,500.00	7,807.59	7,961.00	7,879.64	156.73	22.01	90.21	-2,885.49	-11,050.47	9,208.10	9,145.28	62.82	146.572		
15,600.00	7,807.53	7,961.00	7,879.64	158.56	22.01	90.21	-2,885.49	-11,050.47	9,306.78	9,243.78	63.00	147.717		
15,700.00	7,807.47	7,961.00	7,879.64	160.42	22.01	90.21	-2,885.49	-11,050.47	9,405.48	9,342.30	63.18	148.861		
15,800.00	7,807.40	7,961.00	7,879.64	162.31	22.01	90.21	-2,885.49	-11,050.47	9,504.22	9,440.86	63.36	150.004		
15,900.00	7,807.34	7,961.00	7,879.64	164.22	22.01	90.21	-2,885.49	-11,050.47	9,602.97	9,539.44	63.53	151.145		
16,000.00	7,807.28	7,961.00	7,879.64	166.15	22.01	90.21	-2,885.49	-11,050.47	9,701.76	9,638.05	63.71	152.285		
16,100.00	7,807.22	7,961.00	7,879.64	168.10	22.01	90.21	-2,885.49	-11,050.47	9,800.56	9,736.69	63.88	153.423		
16,200.00	7,807.16	7,961.00	7,879.64	170.08	22.01	90.21	-2,885.49	-11,050.47	9,899.40	9,835.35	64.05	154.561		
16,300.00	7,807.10	7,961.00	7,879.64	172.07	22.01	90.21	-2,885.49	-11,050.47	9,998.25	9,934.04	64.22	155.697		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2297-MWD OWSG, 7237-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	17,548.00	7,745.22	0.00	267.01	-154.17	-2,878.19	-1,393.29	8,323.00					
100.00	100.00	17,548.00	7,745.22	0.27	267.01	-154.17	-2,878.19	-1,393.29	8,230.77	8,110.41	120.36	68.385		
200.00	200.00	17,548.00	7,745.22	0.63	267.01	-154.17	-2,878.19	-1,393.29	8,138.72	8,017.58	121.13	67.189		
300.00	299.98	17,548.00	7,745.22	0.98	267.01	-32.70	-2,878.19	-1,393.29	8,046.27	7,924.34	121.93	65.989		
400.69	400.52	17,548.00	7,745.22	1.33	267.01	-35.64	-2,878.19	-1,393.29	7,952.27	7,829.53	122.75	64.787		
500.00	499.59	17,548.00	7,745.22	1.69	267.01	-35.64	-2,878.19	-1,393.29	7,859.20	7,735.65	123.55	63.613		
600.00	599.35	17,548.00	7,745.22	2.06	267.01	-35.64	-2,878.19	-1,393.29	7,765.63	7,641.26	124.37	62.438		
700.00	699.10	17,548.00	7,745.22	2.43	267.01	-35.64	-2,878.19	-1,393.29	7,672.23	7,547.00	125.23	61.264		
800.00	798.86	17,548.00	7,745.22	2.80	267.01	-35.64	-2,878.19	-1,393.29	7,579.00	7,452.88	126.12	60.092		
900.00	898.61	17,548.00	7,745.22	3.18	267.01	-35.64	-2,878.19	-1,393.29	7,485.94	7,358.89	127.05	58.923		
1,000.00	998.37	17,548.00	7,745.22	3.55	267.01	-35.64	-2,878.19	-1,393.29	7,393.07	7,265.06	128.00	57.757		
1,100.00	1,098.12	17,548.00	7,745.22	3.93	267.01	-35.64	-2,878.19	-1,393.29	7,300.38	7,171.38	128.99	56.595		
1,200.00	1,197.88	17,548.00	7,745.22	4.31	267.01	-35.64	-2,878.19	-1,393.29	7,207.88	7,077.87	130.02	55.438		
1,300.00	1,297.63	17,548.00	7,745.22	4.68	267.01	-35.64	-2,878.19	-1,393.29	7,115.60	6,984.52	131.07	54.287		
1,400.00	1,397.38	17,548.00	7,745.22	5.06	267.01	-35.64	-2,878.19	-1,393.29	7,023.52	6,891.35	132.16	53.142		
1,500.00	1,497.14	17,548.00	7,745.22	5.44	267.01	-35.64	-2,878.19	-1,393.29	6,931.66	6,798.37	133.29	52.004		
1,600.00	1,596.89	17,548.00	7,745.22	5.82	267.01	-35.64	-2,878.19	-1,393.29	6,840.03	6,705.57	134.45	50.873		
1,700.00	1,696.65	17,548.00	7,745.22	6.19	267.01	-35.64	-2,878.19	-1,393.29	6,748.63	6,612.98	135.65	49.750		
1,800.00	1,796.40	17,548.00	7,745.22	6.57	267.01	-35.64	-2,878.19	-1,393.29	6,657.49	6,520.60	136.88	48.636		
1,900.00	1,896.16	17,548.00	7,745.22	6.95	267.01	-35.64	-2,878.19	-1,393.29	6,566.60	6,428.44	138.16	47.530		
2,000.00	1,995.91	17,548.00	7,745.22	7.33	267.01	-35.64	-2,878.19	-1,393.29	6,475.98	6,336.51	139.47	46.433		
2,100.00	2,095.67	17,548.00	7,745.22	7.71	267.01	-35.64	-2,878.19	-1,393.29	6,385.64	6,244.82	140.82	45.347		
2,200.00	2,195.42	17,548.00	7,745.22	8.09	267.01	-35.64	-2,878.19	-1,393.29	6,295.60	6,153.39	142.21	44.270		
2,300.00	2,295.18	17,548.00	7,745.22	8.46	267.01	-35.64	-2,878.19	-1,393.29	6,205.85	6,062.21	143.64	43.203		
2,400.00	2,394.93	17,548.00	7,745.22	8.84	267.01	-35.64	-2,878.19	-1,393.29	6,116.43	5,971.31	145.12	42.148		
2,500.00	2,494.69	17,548.00	7,745.22	9.22	267.01	-35.64	-2,878.19	-1,393.29	6,027.34	5,880.70	146.64	41.103		
2,600.00	2,594.44	17,548.00	7,745.22	9.60	267.01	-35.64	-2,878.19	-1,393.29	5,938.59	5,790.39	148.21	40.070		
2,700.00	2,694.20	17,548.00	7,745.22	9.98	267.01	-35.64	-2,878.19	-1,393.29	5,850.21	5,700.40	149.82	39.049		
2,800.00	2,793.95	17,548.00	7,745.22	10.36	267.01	-35.64	-2,878.19	-1,393.29	5,762.21	5,610.73	151.48	38.040		
2,900.00	2,893.71	17,548.00	7,745.22	10.74	267.01	-35.64	-2,878.19	-1,393.29	5,674.61	5,521.42	153.19	37.043		
3,000.00	2,993.46	17,548.00	7,745.22	11.12	267.01	-35.64	-2,878.19	-1,393.29	5,587.42	5,432.47	154.95	36.059		
3,100.00	3,093.22	17,548.00	7,745.22	11.49	267.01	-35.64	-2,878.19	-1,393.29	5,500.67	5,343.90	156.76	35.089		
3,200.00	3,192.97	17,548.00	7,745.22	11.87	267.01	-35.64	-2,878.19	-1,393.29	5,414.38	5,255.74	158.63	34.131		
3,300.00	3,292.72	17,548.00	7,745.22	12.25	267.01	-35.64	-2,878.19	-1,393.29	5,328.56	5,168.00	160.56	33.188		
3,400.00	3,392.48	17,548.00	7,745.22	12.63	267.01	-35.64	-2,878.19	-1,393.29	5,243.25	5,080.71	162.54	32.259		
3,500.00	3,492.23	17,548.00	7,745.22	13.01	267.01	-35.64	-2,878.19	-1,393.29	5,158.46	4,993.88	164.58	31.344		
3,600.00	3,591.99	17,548.00	7,745.22	13.39	267.01	-35.64	-2,878.19	-1,393.29	5,074.23	4,907.55	166.68	30.443		
3,700.00	3,691.74	17,548.00	7,745.22	13.77	267.01	-35.64	-2,878.19	-1,393.29	4,990.58	4,821.74	168.84	29.558		
3,800.00	3,791.50	17,548.00	7,745.22	14.15	267.01	-35.64	-2,878.19	-1,393.29	4,907.55	4,736.48	171.07	28.688		
3,900.00	3,891.25	17,548.00	7,745.22	14.53	267.01	-35.64	-2,878.19	-1,393.29	4,825.15	4,651.80	173.36	27.834		
4,000.00	3,991.01	17,548.00	7,745.22	14.90	267.01	-35.64	-2,878.19	-1,393.29	4,743.44	4,567.73	175.71	26.996		
4,100.00	4,090.76	17,548.00	7,745.22	15.28	267.01	-35.64	-2,878.19	-1,393.29	4,662.43	4,484.30	178.13	26.174		
4,200.00	4,190.52	17,548.00	7,745.22	15.66	267.01	-35.64	-2,878.19	-1,393.29	4,582.18	4,401.56	180.63	25.368		
4,300.00	4,290.27	17,548.00	7,745.22	16.04	267.01	-35.64	-2,878.19	-1,393.29	4,502.72	4,319.53	183.19	24.580		
4,400.00	4,390.03	17,548.00	7,745.22	16.42	267.01	-35.64	-2,878.19	-1,393.29	4,424.09	4,238.27	185.82	23.809		
4,500.00	4,489.78	17,548.00	7,745.22	16.80	267.01	-35.64	-2,878.19	-1,393.29	4,346.34	4,157.82	188.52	23.055		
4,600.00	4,589.54	17,548.00	7,745.22	17.18	267.01	-35.64	-2,878.19	-1,393.29	4,269.52	4,078.23	191.29	22.320		
4,700.00	4,689.29	17,548.00	7,745.22	17.56	267.01	-35.64	-2,878.19	-1,393.29	4,193.67	3,999.54	194.13	21.602		
4,800.00	4,789.05	17,548.00	7,745.22	17.94	267.01	-35.64	-2,878.19	-1,393.29	4,118.85	3,921.81	197.05	20.903		
4,900.00	4,888.80	17,548.00	7,745.22	18.31	267.01	-35.64	-2,878.19	-1,393.29	4,045.13	3,845.10	200.03	20.223		
5,000.00	4,988.56	17,548.00	7,745.22	18.69	267.01	-35.64	-2,878.19	-1,393.29	3,972.55	3,769.47	203.08	19.562		
5,100.00	5,088.31	17,548.00	7,745.22	19.07	267.01	-35.64	-2,878.19	-1,393.29	3,901.18	3,694.99	206.19	18.920		

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



# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												SEC 22-T4S-R65W - EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1 - STK 1 FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program:		2297-MWD OWSG, 7237-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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,200.00	5,188.06	17,548.00	7,745.22	19.45	267.01	-35.64	-2,878.19	-1,393.29	3,831.10	3,621.73	209.37	18.298			
5,300.00	5,287.82	17,548.00	7,745.22	19.83	267.01	-35.64	-2,878.19	-1,393.29	3,762.37	3,549.76	212.61	17.696			
5,400.00	5,387.57	17,548.00	7,745.22	20.21	267.01	-35.64	-2,878.19	-1,393.29	3,695.07	3,479.16	215.91	17.114			
5,500.00	5,487.33	17,548.00	7,745.22	20.59	267.01	-35.64	-2,878.19	-1,393.29	3,629.27	3,410.02	219.25	16.553			
5,600.00	5,587.08	17,548.00	7,745.22	20.97	267.01	-35.64	-2,878.19	-1,393.29	3,565.07	3,342.43	222.64	16.013			
5,700.00	5,686.84	17,548.00	7,745.22	21.35	267.01	-35.64	-2,878.19	-1,393.29	3,502.54	3,276.48	226.06	15.494			
5,800.00	5,786.59	17,548.00	7,745.22	21.72	267.01	-35.64	-2,878.19	-1,393.29	3,441.78	3,212.27	229.51	14.996			
5,900.00	5,886.35	17,548.00	7,745.22	22.10	267.01	-35.64	-2,878.19	-1,393.29	3,382.89	3,149.91	232.98	14.520			
6,000.00	5,986.10	17,548.00	7,745.22	22.48	267.01	-35.64	-2,878.19	-1,393.29	3,325.97	3,089.51	236.46	14.066			
6,100.00	6,085.86	17,548.00	7,745.22	22.86	267.01	-35.64	-2,878.19	-1,393.29	3,271.11	3,031.18	239.93	13.634			
6,200.00	6,185.61	17,548.00	7,745.22	23.24	267.01	-35.64	-2,878.19	-1,393.29	3,218.42	2,975.05	243.37	13.224			
6,300.00	6,285.37	17,548.00	7,745.22	23.62	267.01	-35.64	-2,878.19	-1,393.29	3,168.02	2,921.24	246.78	12.837			
6,400.00	6,385.12	17,548.00	7,745.22	24.00	267.01	-35.64	-2,878.19	-1,393.29	3,120.01	2,869.87	250.13	12.473			
6,500.00	6,484.88	17,548.00	7,745.22	24.38	267.01	-35.64	-2,878.19	-1,393.29	3,074.50	2,821.09	253.41	12.132			
6,600.00	6,584.63	17,548.00	7,745.22	24.76	267.01	-35.64	-2,878.19	-1,393.29	3,031.60	2,775.01	256.59	11.815			
6,700.00	6,684.39	17,548.00	7,745.22	25.14	267.01	-35.64	-2,878.19	-1,393.29	2,991.44	2,731.78	259.66	11.521			
6,800.00	6,784.14	17,548.00	7,745.22	25.51	267.01	-35.64	-2,878.19	-1,393.29	2,954.12	2,691.53	262.58	11.250			
6,900.00	6,883.90	17,548.00	7,745.22	25.89	267.01	-35.64	-2,878.19	-1,393.29	2,919.74	2,654.40	265.35	11.004			
7,000.00	6,983.65	17,548.00	7,745.22	26.27	267.01	-35.64	-2,878.19	-1,393.29	2,888.42	2,620.50	267.92	10.781			
7,100.00	7,083.40	17,548.00	7,745.22	26.65	267.01	-35.64	-2,878.19	-1,393.29	2,860.26	2,589.97	270.29	10.582			
7,200.00	7,183.16	17,548.00	7,745.22	27.03	267.01	-35.64	-2,878.19	-1,393.29	2,835.35	2,562.92	272.42	10.408			
7,298.28	7,281.20	17,548.00	7,745.22	27.40	267.01	-35.64	-2,878.19	-1,393.29	2,814.11	2,539.83	274.27	10.260			
7,300.00	7,282.91	17,548.00	7,745.22	27.41	267.01	-37.05	-2,878.19	-1,393.29	2,813.76	2,539.46	274.30	10.258			
7,350.00	7,332.59	17,548.00	7,745.22	27.61	267.01	-56.64	-2,878.19	-1,393.29	2,803.52	2,528.30	275.22	10.186			
7,400.00	7,381.62	17,548.00	7,745.22	27.82	267.01	-63.24	-2,878.19	-1,393.29	2,792.82	2,516.62	276.20	10.111			
7,450.00	7,429.64	17,548.00	7,745.22	28.05	267.01	-66.92	-2,878.19	-1,393.29	2,781.73	2,504.48	277.25	10.033			
7,500.00	7,476.29	17,548.00	7,745.22	28.30	267.01	-69.54	-2,878.19	-1,393.29	2,770.35	2,491.99	278.36	9.952			
7,550.00	7,521.20	17,548.00	7,745.22	28.56	267.01	-71.65	-2,878.19	-1,393.29	2,758.75	2,479.23	279.52	9.870			
7,600.00	7,564.03	17,548.00	7,745.22	28.83	267.01	-73.49	-2,878.19	-1,393.29	2,747.01	2,466.28	280.73	9.785			
7,650.00	7,604.47	17,548.00	7,745.22	29.13	267.01	-75.15	-2,878.19	-1,393.29	2,735.23	2,453.24	281.99	9.700			
7,700.00	7,642.19	17,548.00	7,745.22	29.45	267.01	-76.70	-2,878.19	-1,393.29	2,723.50	2,440.20	283.30	9.613			
7,750.00	7,676.92	17,548.00	7,745.22	29.79	267.01	-78.14	-2,878.19	-1,393.29	2,711.91	2,427.25	284.66	9.527			
7,800.00	7,708.39	17,548.00	7,745.22	30.17	267.01	-79.51	-2,878.19	-1,393.29	2,700.54	2,414.49	286.05	9.441			
7,850.00	7,736.35	17,548.00	7,745.22	30.59	267.01	-80.80	-2,878.19	-1,393.29	2,689.49	2,402.00	287.48	9.355			
7,900.00	7,760.61	17,548.00	7,745.22	31.04	267.01	-82.02	-2,878.19	-1,393.29	2,678.84	2,389.89	288.95	9.271			
7,950.00	7,780.97	17,548.00	7,745.22	31.53	267.01	-83.15	-2,878.19	-1,393.29	2,668.69	2,378.24	290.45	9.188			
8,000.00	7,797.27	17,548.00	7,745.22	32.07	267.01	-84.20	-2,878.19	-1,393.29	2,659.11	2,367.15	291.97	9.108			
8,050.00	7,809.40	17,548.00	7,745.22	32.65	267.01	-85.15	-2,878.19	-1,393.29	2,650.19	2,356.69	293.50	9.030			
8,100.00	7,817.26	17,548.00	7,745.22	33.27	267.01	-86.02	-2,878.19	-1,393.29	2,642.00	2,346.97	295.02	8.955			
8,150.00	7,820.79	17,548.00	7,745.22	33.92	267.01	-86.78	-2,878.19	-1,393.29	2,634.60	2,338.07	296.54	8.885			
8,163.06	7,821.00	17,548.00	7,745.22	34.09	267.01	-86.96	-2,878.19	-1,393.29	2,632.81	2,335.88	296.93	8.867			
8,200.00	7,821.16	17,548.00	7,745.22	34.60	267.01	-86.96	-2,878.19	-1,393.29	2,628.08	2,330.07	298.02	8.819			
8,300.00	7,821.60	17,548.00	7,745.22	36.08	267.01	-86.96	-2,878.19	-1,393.29	2,617.85	2,317.02	300.83	8.702			
8,400.00	7,822.03	17,548.00	7,745.22	37.69	267.01	-86.96	-2,878.19	-1,393.29	2,611.42	2,308.00	303.42	8.607			
8,500.00	7,822.47	17,548.00	7,745.22	39.43	267.01	-86.96	-2,878.19	-1,393.29	2,608.81	2,303.07	305.74	8.533			
8,518.24	7,822.55	17,548.00	7,745.22	39.76	267.01	-86.96	-2,878.19	-1,393.29	2,608.74	2,302.61	306.14	8.522			
8,600.00	7,822.90	17,548.00	7,745.22	41.27	267.01	-86.96	-2,878.19	-1,393.29	2,610.02	2,302.27	307.75	8.481			
8,700.00	7,823.34	17,464.24	7,756.45	43.20	264.80	-87.20	-2,880.06	-1,476.27	2,613.89	2,306.36	307.53	8.500			
8,800.00	7,823.78	17,328.62	7,772.67	45.21	261.21	-87.55	-2,881.83	-1,610.90	2,617.04	2,310.98	306.06	8.551			
8,900.00	7,824.21	17,221.76	7,782.96	47.29	258.36	-87.77	-2,882.06	-1,717.26	2,619.23	2,313.88	305.35	8.578			
9,000.00	7,824.65	17,115.62	7,791.03	49.44	255.53	-87.94	-2,882.07	-1,823.09	2,621.34	2,316.64	304.70	8.603			
9,100.00	7,825.08	16,988.63	7,798.28	51.63	252.13	-88.08	-2,881.11	-1,949.87	2,622.75	2,319.26	303.49	8.642			

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

# Civitas Resources

## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 2297-MWD OWSG, 7237-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		
9,200.00	7,825.52	16,883.25	7,803.95	53.87	249.30	-88.20	-2,879.61	-2,055.09	2,623.53	2,320.61	302.92	8.661		
9,300.00	7,825.95	16,781.47	7,807.95	56.15	246.57	-88.28	-2,878.15	-2,156.78	2,624.35	2,321.86	302.49	8.676		
9,400.00	7,826.39	16,676.62	7,810.07	58.47	243.76	-88.31	-2,876.25	-2,261.59	2,624.85	2,322.87	301.99	8.692		
9,500.00	7,826.82	16,581.16	7,811.58	60.82	241.19	-88.34	-2,874.60	-2,357.02	2,625.45	2,323.66	301.79	8.700		
9,600.00	7,827.26	16,498.28	7,812.34	63.19	238.96	-88.35	-2,873.38	-2,439.88	2,626.35	2,324.38	301.98	8.697		
9,700.00	7,827.70	16,407.59	7,813.48	65.59	236.53	-88.36	-2,872.88	-2,530.57	2,628.12	2,326.16	301.96	8.704		
9,800.00	7,828.13	16,281.92	7,815.67	68.02	233.15	-88.40	-2,871.32	-2,656.21	2,629.19	2,328.20	300.98	8.735		
9,900.00	7,828.57	16,211.38	7,816.52	70.46	231.26	-88.41	-2,870.37	-2,726.73	2,630.26	2,328.68	301.58	8.722		
10,000.00	7,829.00	16,159.00	7,816.64	72.92	229.85	-88.41	-2,870.49	-2,779.11	2,632.92	2,330.29	302.63	8.700		
10,100.00	7,829.44	16,094.36	7,816.81	75.40	228.12	-88.41	-2,871.65	-2,843.74	2,637.14	2,333.84	303.30	8.695		
10,200.00	7,829.87	16,003.27	7,817.47	77.89	225.69	-88.42	-2,874.49	-2,934.79	2,642.58	2,339.25	303.33	8.712		
10,300.00	7,830.31	15,905.18	7,817.60	80.40	223.06	-88.42	-2,877.27	-3,032.83	2,647.79	2,344.58	303.21	8.733		
10,400.00	7,830.75	15,827.38	7,819.33	82.92	220.98	-88.45	-2,879.91	-3,110.57	2,653.51	2,349.95	303.57	8.741		
10,500.00	7,831.18	15,758.36	7,821.06	85.45	219.14	-88.48	-2,882.96	-3,179.50	2,660.26	2,356.16	304.10	8.748		
10,600.00	7,831.62	15,672.62	7,821.31	87.99	216.86	-88.48	-2,887.91	-3,265.09	2,668.32	2,364.06	304.27	8.770		
10,700.00	7,832.05	15,416.17	7,822.37	90.54	210.00	-88.49	-2,894.68	-3,521.36	2,673.39	2,372.96	300.43	8.899		
10,800.00	7,832.49	15,318.36	7,824.32	93.09	207.38	-88.52	-2,894.37	-3,619.15	2,675.40	2,375.04	300.37	8.907		
10,900.00	7,832.92	15,231.22	7,824.32	95.66	205.05	-88.52	-2,894.33	-3,706.29	2,677.74	2,377.15	300.59	8.908		
10,917.50	7,833.00	15,210.00	7,824.15	96.11	204.48	-88.51	-2,894.39	-3,727.51	2,678.21	2,377.73	300.48	8.913		
10,950.00	7,833.12	15,186.02	7,823.93	96.94	203.83	-88.49	-2,894.47	-3,751.49	2,678.17	2,377.51	300.66	8.908		
11,000.00	7,833.19	15,138.76	7,823.60	98.21	202.57	-88.48	-2,894.67	-3,798.75	2,674.57	2,373.91	300.66	8.896		
11,050.00	7,833.13	15,090.95	7,823.39	99.46	201.29	-88.48	-2,894.92	-3,846.56	2,666.68	2,366.05	300.62	8.870		
11,100.00	7,832.95	15,042.94	7,823.34	100.67	200.00	-88.49	-2,895.19	-3,894.57	2,654.53	2,353.99	300.54	8.833		
11,118.68	7,832.85	15,026.44	7,823.36	101.11	199.56	-88.50	-2,895.28	-3,911.06	2,648.91	2,348.38	300.53	8.814		
11,200.00	7,832.38	14,933.73	7,824.02	103.01	197.07	-88.51	-2,895.60	-4,003.77	2,623.01	2,323.08	299.94	8.745		
11,300.00	7,831.80	14,865.66	7,824.66	105.35	195.25	-88.52	-2,895.92	-4,071.83	2,591.31	2,290.88	300.43	8.625		
11,400.00	7,831.22	14,788.17	7,824.65	107.70	193.17	-88.52	-2,897.13	-4,149.32	2,560.61	2,259.94	300.67	8.516		
11,500.00	7,830.64	14,628.97	7,826.83	110.06	188.91	-88.56	-2,898.43	-4,308.48	2,529.39	2,230.67	298.71	8.468		
11,600.00	7,830.06	14,546.00	7,829.44	112.42	186.69	-88.62	-2,898.21	-4,391.41	2,496.89	2,198.04	298.85	8.355		
11,613.00	7,829.98	14,546.00	7,829.44	112.73	186.69	-88.62	-2,898.21	-4,391.41	2,492.70	2,193.53	299.17	8.332		
11,650.00	7,829.74	14,511.81	7,830.32	113.59	185.78	-88.65	-2,898.28	-4,425.58	2,479.73	2,180.63	299.10	8.291		
11,700.00	7,829.36	14,468.73	7,831.09	114.70	184.62	-88.70	-2,898.40	-4,468.65	2,458.75	2,159.71	299.03	8.222		
11,750.00	7,828.90	14,421.96	7,831.59	115.74	183.37	-88.73	-2,898.53	-4,515.42	2,433.90	2,135.12	298.78	8.146		
11,800.00	7,828.37	14,373.89	7,832.11	116.69	182.09	-88.77	-2,898.54	-4,563.49	2,405.26	2,106.87	298.38	8.061		
11,850.00	7,827.78	14,335.35	7,832.64	117.55	181.05	-88.82	-2,898.47	-4,602.03	2,373.07	2,074.91	298.16	7.959		
11,900.00	7,827.13	14,303.56	7,833.40	118.32	180.20	-88.87	-2,898.46	-4,633.81	2,337.73	2,039.69	298.04	7.844		
11,950.00	7,826.41	14,274.58	7,834.38	119.00	179.43	-88.93	-2,898.50	-4,662.77	2,299.48	2,001.59	297.89	7.719		
12,000.00	7,825.65	14,249.37	7,835.41	119.58	178.75	-88.99	-2,898.57	-4,687.96	2,258.61	1,960.87	297.74	7.586		
12,050.00	7,824.85	14,227.96	7,836.21	120.06	178.18	-89.04	-2,898.67	-4,709.35	2,215.43	1,917.83	297.60	7.444		
12,100.00	7,824.00	14,209.71	7,836.78	120.46	177.69	-89.07	-2,898.77	-4,727.59	2,170.26	1,872.81	297.45	7.296		
12,150.00	7,823.12	14,194.79	7,837.18	120.77	177.29	-89.04	-2,898.88	-4,742.51	2,123.42	1,826.11	297.31	7.142		
12,200.00	7,822.22	14,183.34	7,837.45	121.00	176.99	-88.92	-2,898.97	-4,753.96	2,075.24	1,778.06	297.18	6.983		
12,250.00	7,821.30	14,149.59	7,838.01	121.17	176.09	-88.45	-2,899.05	-4,787.70	2,026.05	1,729.80	296.24	6.839		
12,300.00	7,820.37	14,178.26	7,837.57	121.27	176.85	-86.53	-2,898.99	-4,759.04	1,976.34	1,679.11	297.24	6.649		
12,350.00	7,819.43	14,176.80	7,837.60	121.33	176.81	83.56	-2,899.01	-4,760.50	1,926.36	1,629.16	297.20	6.482		
12,400.00	7,818.49	14,184.72	7,837.45	121.35	177.03	88.08	-2,898.90	-4,752.58	1,876.51	1,579.10	297.41	6.309		
12,450.00	7,817.57	14,181.42	7,837.49	121.34	176.94	88.76	-2,898.99	-4,755.87	1,827.23	1,530.01	297.22	6.148		
12,500.00	7,816.66	14,192.39	7,837.24	121.31	177.23	88.92	-2,898.90	-4,744.91	1,778.85	1,481.39	297.46	5.980		
12,550.00	7,815.77	14,207.09	7,836.86	121.29	177.62	88.95	-2,898.79	-4,730.21	1,731.75	1,433.95	297.80	5.815		
12,600.00	7,814.91	14,225.45	7,836.29	121.27	178.11	88.92	-2,898.68	-4,711.86	1,686.32	1,388.07	298.25	5.654		
12,650.00	7,814.09	14,247.35	7,835.49	121.27	178.70	88.86	-2,898.58	-4,689.98	1,642.92	1,344.11	298.81	5.498		
12,700.00	7,813.32	14,273.19	7,834.43	121.30	179.39	88.78	-2,898.50	-4,664.16	1,601.90	1,302.38	299.52	5.348		

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

# Civitas Resources

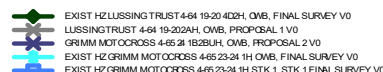
## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design											SEC 22-T4S-R65W - EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1 - STK 1 FINAL SURVEY		Offset Site Error: 0.00 usft	
Survey Program: 2297-MWD OWSG, 7237-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	
12,750.00	7,812.59	14,303.03	7,833.41	121.36	180.19	88.70	-2,898.46	-4,634.34	1,563.57	1,263.18	300.39	5.205		
12,800.00	7,811.92	14,336.00	7,832.62	121.47	181.07	88.63	-2,898.47	-4,601.38	1,528.23	1,226.85	301.38	5.071		
12,850.00	7,811.31	14,374.63	7,832.10	121.62	182.10	88.57	-2,898.54	-4,562.75	1,496.16	1,193.55	302.61	4.944		
12,900.00	7,810.76	14,419.64	7,831.61	121.82	183.31	88.52	-2,898.54	-4,517.75	1,467.47	1,163.38	304.08	4.826		
12,950.00	7,810.28	14,465.19	7,831.13	122.07	184.53	88.47	-2,898.41	-4,472.20	1,442.34	1,136.72	305.61	4.719		
13,000.00	7,809.87	14,509.01	7,830.38	122.37	185.70	88.41	-2,898.29	-4,428.38	1,421.08	1,113.96	307.12	4.627		
13,050.00	7,809.54	14,553.60	7,829.22	122.72	186.90	88.34	-2,898.20	-4,383.81	1,403.89	1,095.21	308.67	4.548		
13,100.00	7,809.28	14,595.54	7,827.93	123.11	188.02	88.27	-2,898.25	-4,341.89	1,391.02	1,080.86	310.16	4.485		
13,150.00	7,809.11	14,641.00	7,826.42	123.53	189.24	88.19	-2,898.52	-4,296.45	1,382.64	1,070.84	311.79	4.434		
13,200.00	7,809.01	14,718.83	7,824.78	123.98	191.32	88.12	-2,898.32	-4,218.65	1,378.18	1,063.64	314.54	4.382		
13,213.90	7,809.00	14,741.92	7,824.69	124.11	191.94	88.11	-2,897.94	-4,195.56	1,377.51	1,062.18	315.33	4.369		
13,300.00	7,808.95	14,824.26	7,824.68	124.93	194.14	88.11	-2,896.51	-4,113.24	1,374.28	1,055.91	318.37	4.317		
13,400.00	7,808.89	14,905.19	7,824.38	125.92	196.31	88.10	-2,895.64	-4,032.31	1,371.21	1,049.72	321.48	4.265		
13,500.00	7,808.82	15,007.49	7,823.41	126.97	199.05	88.06	-2,895.39	-3,930.01	1,368.99	1,043.66	325.32	4.208		
13,600.00	7,808.76	15,108.18	7,823.45	128.07	201.75	88.06	-2,894.83	-3,829.32	1,366.41	1,037.25	329.16	4.151		
13,700.00	7,808.70	15,205.63	7,824.11	129.22	204.36	88.08	-2,894.40	-3,731.88	1,363.94	1,030.99	332.95	4.097		
13,800.00	7,808.64	15,298.06	7,824.43	130.41	206.84	88.10	-2,894.33	-3,639.45	1,361.83	1,025.21	336.62	4.046		
13,900.00	7,808.58	15,394.37	7,822.97	131.65	209.42	88.04	-2,894.60	-3,543.15	1,360.16	1,019.71	340.44	3.995		
14,000.00	7,808.52	15,517.02	7,820.66	132.93	212.71	87.94	-2,894.53	-3,420.53	1,358.24	1,013.10	345.13	3.935		
14,100.00	7,808.45	15,693.02	7,821.49	134.26	217.40	87.96	-2,886.68	-3,244.74	1,351.40	1,000.57	350.82	3.852		
14,200.00	7,808.39	15,765.58	7,820.91	135.63	219.33	87.93	-2,882.61	-3,172.29	1,343.74	989.35	354.39	3.792		
14,300.00	7,808.33	15,847.92	7,818.81	137.04	221.53	87.83	-2,879.14	-3,090.05	1,337.60	979.52	358.09	3.735		
14,400.00	7,808.27	15,938.84	7,817.31	138.49	223.96	87.76	-2,876.28	-2,999.20	1,332.51	970.51	362.00	3.681		
14,500.00	7,808.21	16,043.65	7,817.31	139.98	226.77	87.76	-2,873.24	-2,894.43	1,327.60	961.32	366.28	3.625		
14,600.00	7,808.14	16,125.27	7,816.66	141.51	228.95	87.73	-2,870.96	-2,812.84	1,322.87	952.83	370.04	3.575		
14,700.00	7,808.08	16,198.72	7,816.59	143.07	230.92	87.72	-2,870.32	-2,739.39	1,320.01	946.46	373.54	3.534		
14,800.00	7,808.02	16,278.68	7,815.72	144.67	233.07	87.68	-2,871.27	-2,659.45	1,319.16	941.99	377.17	3.497		
14,900.00	7,807.96	16,388.91	7,813.78	146.30	236.03	87.60	-2,872.74	-2,549.24	1,318.56	936.72	381.84	3.453		
15,000.00	7,807.90	16,488.90	7,812.44	147.96	238.71	87.54	-2,873.29	-2,449.26	1,317.15	930.97	386.19	3.411		
15,100.00	7,807.84	16,578.61	7,811.61	149.66	241.12	87.51	-2,874.55	-2,359.57	1,316.57	926.34	390.23	3.374		
15,200.00	7,807.77	16,676.16	7,810.08	151.38	243.74	87.44	-2,876.24	-2,262.04	1,316.36	921.80	394.56	3.336		
15,300.00	7,807.71	16,778.12	7,808.05	153.14	246.48	87.36	-2,878.09	-2,160.13	1,316.25	917.20	399.05	3.298		
15,400.00	7,807.65	16,878.89	7,804.17	154.92	249.19	87.19	-2,879.55	-2,059.44	1,315.86	912.36	403.51	3.261		
15,500.00	7,807.59	16,980.83	7,798.69	156.73	251.92	86.95	-2,881.01	-1,957.66	1,315.56	907.57	407.99	3.224		
15,600.00	7,807.53	17,091.59	7,792.55	158.56	254.89	86.69	-2,882.00	-1,847.07	1,314.75	902.00	412.76	3.185		
15,700.00	7,807.47	17,196.67	7,785.07	160.42	257.70	86.36	-2,882.10	-1,742.26	1,313.26	895.95	417.31	3.147		
15,800.00	7,807.40	17,294.98	7,776.15	162.31	260.32	85.97	-2,881.94	-1,644.36	1,311.70	890.06	421.64	3.111		
15,900.00	7,807.34	17,409.00	7,763.45	164.22	263.34	85.41	-2,881.02	-1,531.06	1,309.72	883.43	426.29	3.072		
16,000.00	7,807.28	17,517.39	7,749.34	166.15	266.21	84.78	-2,878.88	-1,423.61	1,306.85	876.15	430.70	3.034		
16,070.25	7,807.24	17,548.00	7,745.22	167.52	267.01	84.59	-2,878.19	-1,393.29	1,305.31	872.63	432.69	3.017	CC, ES	
16,100.00	7,807.22	17,548.00	7,745.22	168.10	267.01	84.59	-2,878.19	-1,393.29	1,305.65	872.69	432.96	3.016	SF	
16,200.00	7,807.16	17,548.00	7,745.22	170.08	267.01	84.59	-2,878.19	-1,393.29	1,311.75	879.40	432.34	3.034		
16,300.00	7,807.10	17,548.00	7,745.22	172.07	267.01	84.59	-2,878.19	-1,393.29	1,325.38	895.98	429.40	3.087		
16,400.00	7,807.03	17,548.00	7,745.22	174.08	267.01	84.59	-2,878.19	-1,393.29	1,346.32	922.02	424.31	3.173		
16,455.46	7,807.00	17,548.00	7,745.22	175.21	267.01	84.59	-2,878.19	-1,393.29	1,360.97	940.31	420.66	3.235		

## Anticollision Report

Coordinates are relative to: GRIMM MOTOCROSS 4-65 24 2A3AUH  
Coordinate System is US State Plane 1983, Colorado Central Zone  
Grid Convergence at Surface is: 0.57°



# Civitas Resources

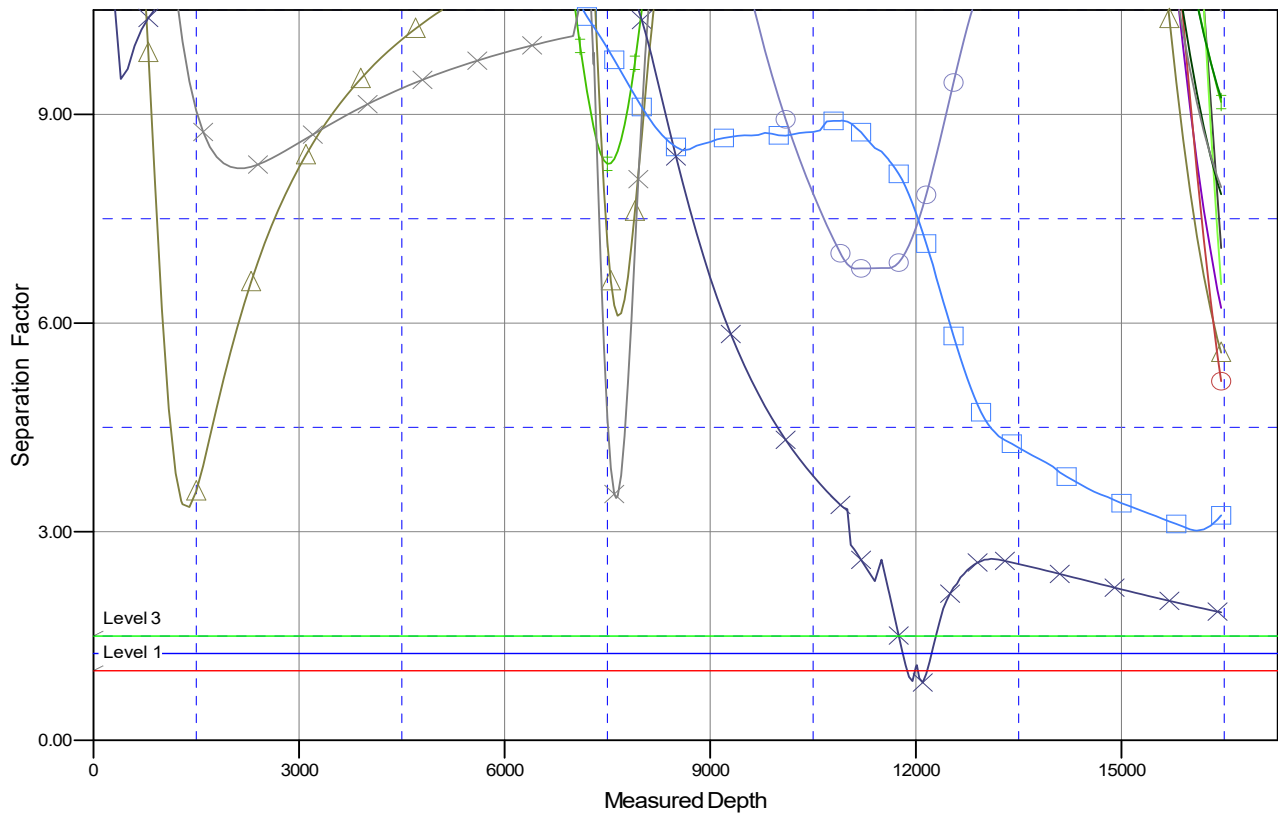
## Anticollision Report

<b>Company:</b>	CRESTONE PEAK RESOURCES	<b>Local Co-ordinate Reference:</b>	Well GRIMM MOTOCROSS 4-65 24 2A3AUH
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5721.00usft
<b>Reference Site:</b>	SEC 19-T4S-R64W	<b>MD Reference:</b>	KB 25' @ 5721.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	GRIMM MOTOCROSS 4-65 24 2A3AUH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL 2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5721.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 105.500000°W

Coordinates are relative to: GRIMM MOTOCROSS 4-65 24 2A3AUH  
 Coordinate System is US State Plane 1983, Colorado Central Zone  
 Grid Convergence at Surface is: 0.57°

### Separation Factor Plot



#### LEGEND

EXIST HZ LUSSING TRUST 4-64 19-20 3C2H, OMB, FINAL SURVEY V0	EXIST HZ LUSSING TRUST 4-64 19-20 3D1H, OMB, FINAL SURVEY V0	EXIST HZ LUSSING TRUST 4-64 19-20 4D2H, OMB, FINAL SURVEY V0
EXIST HZ WATKINS 4-64 19-1H, OMB, FINAL SURVEY V0	LUSSING TRUST 4-64 19-20 2BH, OMB, PROPOSAL 1 V0	LUSSING TRUST 4-64 19-20 2AH, OMB, PROPOSAL 1 V0
LUSSING TRUST 4-64 19-20 1BH, OMB, PROPOSAL 1 V0	GRIMM MOTOCROSS 4-65 24-23 1AH, OMB, PROPOSAL 1 V0	GRIMM MOTOCROSS 4-65 24 1B2BH, OMB, PROPOSAL 2 V0
LUSSING TRUST 4-64 19-20 1AH, OMB, PROPOSAL 1 V0	EXIST HZ LUSSING TRUST 4-64 19-20 4C3H, OMB, FINAL SURVEY V0	EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H, OMB, FINAL SURVEY V0
EXIST HZ LUSSING TRUST 4-64 19-20 4C1H, OMB, FINAL SURVEY V0	EXIST HZ LUSSING TRUST 4-64 19-20 3D3H, OMB, FINAL SURVEY V0	EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H STK 1, STK 1 FINAL SURVEY V0