

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 19-T4S-R64W

GRIMM MOTOCROSS 4-65 24 1B2BUH

OWB

PROPOSAL 2

Anticollision Report

15 November, 2023

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	11/15/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	16,837.81	PROPOSAL 2 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SEC 19-T4S-R64W						
EXIST HZ LUSSING TRUST 4-64 19-20 3C2H - OWB - F	16,837.81	7,634.00	952.47	775.26	5.375	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 3D1H - OWB - F	16,837.81	7,698.36	684.93	557.27	5.365	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 3D3H - OWB - F	16,837.81	7,587.36	1,360.99	1,164.00	6.909	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4C1H - OWB - F	16,837.81	7,305.59	1,681.34	1,486.38	8.624	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4C3H - OWB - F	16,837.81	7,107.16	2,280.26	2,084.71	11.661	CC, ES, SF
EXIST HZ LUSSING TRUST 4-64 19-20 4D2H - OWB - F	16,837.81	7,349.00	2,086.65	1,885.35	10.366	CC, ES, SF
EXIST HZ WATKINS 4-64-19-1H - OWB - FINAL SURVE	7,482.33	12,159.00	690.15	590.07	6.896	CC, ES, SF
GRIMM MOTOCROSS 4-65 24 2A3AUH - OWB - PROP	200.00	200.00	20.03	18.78	15.965	CC
GRIMM MOTOCROSS 4-65 24 2A3AUH - OWB - PROP	13,000.00	12,007.76	103.86	-7.40	0.933	Level 1, ES, SF
GRIMM MOTOCROSS 4-65 24-23 1AH - OWB - PROPO	300.00	300.00	80.16	78.19	40.659	CC
GRIMM MOTOCROSS 4-65 24-23 1AH - OWB - PROPO	400.00	397.52	80.65	77.97	30.120	ES
GRIMM MOTOCROSS 4-65 24-23 1AH - OWB - PROPO	11,600.00	11,538.11	685.97	457.05	2.996	SF
LUSSING TRUST 4-64 19-20 1AH - OWB - PROPOSAL	100.00	100.00	100.20	99.79	248.454	CC, ES
LUSSING TRUST 4-64 19-20 1AH - OWB - PROPOSAL	16,837.81	7,455.20	2,315.65	2,101.29	10.803	SF
LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL	882.65	880.63	48.63	42.58	8.037	CC
LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL	900.00	897.84	48.66	42.48	7.876	ES
LUSSING TRUST 4-64 19-20 1BH - OWB - PROPOSAL	7,639.80	7,763.00	135.92	76.43	2.285	SF
LUSSING TRUST 4-64 19-20 2AH - OWB - PROPOSAL	1,227.60	1,228.38	4.67	-3.84	0.549	Level 1, CC, ES, SF
LUSSING TRUST 4-64 19-20 2BH - OWB - PROPOSAL	743.72	743.92	11.79	6.82	2.370	CC, ES
LUSSING TRUST 4-64 19-20 2BH - OWB - PROPOSAL	800.00	800.05	12.73	7.35	2.367	SF
SEC 22-T4S-R65W						
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - OWB	12,000.00	7,961.00	6,961.88	6,877.91	82.908	SF
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - OWB	12,650.00	7,961.00	6,599.02	6,526.09	90.477	ES
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - OWB	12,663.65	7,961.00	6,598.84	6,526.09	90.702	CC
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1	16,462.64	17,548.00	1,954.44	1,510.10	4.399	CC
EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H - STK 1	16,500.00	17,548.00	1,954.80	1,509.80	4.393	ES, SF

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		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)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor	
0.00	0.00	25.90	25.90	0.00	0.03	-179.75	-1,976.44	-8.73	1,976.47			

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

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Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	131.61	131.61	0.27	0.33	-179.75	-1,975.76	-8.64	1,975.82	1,975.22	0.60	3,300.152		
200.00	200.00	228.30	228.29	0.63	0.67	-179.76	-1,975.22	-8.19	1,975.26	1,973.96	1.30	1,517.370		
300.00	300.00	331.71	331.70	0.99	1.04	-179.78	-1,974.67	-7.64	1,974.73	1,972.70	2.03	972.693		
329.58	329.58	361.01	361.00	1.09	1.15	-127.54	-1,974.49	-7.49	1,974.63	1,972.39	2.24	881.328		
400.00	399.98	431.04	431.03	1.34	1.40	-127.58	-1,974.06	-7.25	1,975.18	1,972.43	2.74	720.294		
500.00	499.84	534.31	534.30	1.70	1.77	-127.67	-1,973.33	-6.86	1,977.66	1,974.19	3.47	569.717		
514.88	514.68	549.16	549.15	1.76	1.82	-127.69	-1,973.21	-6.79	1,978.20	1,974.62	3.58	552.636		
600.00	599.56	635.47	635.45	2.07	2.13	-127.85	-1,972.52	-6.41	1,981.44	1,977.24	4.20	471.975		
700.00	699.28	738.87	738.84	2.44	2.50	-128.05	-1,971.53	-5.81	1,985.09	1,980.16	4.93	402.260		
800.00	799.00	840.22	840.19	2.81	2.87	-128.24	-1,970.43	-5.14	1,988.65	1,982.98	5.67	350.966		
900.00	898.72	942.53	942.48	3.18	3.23	-128.43	-1,969.23	-4.40	1,992.14	1,985.73	6.40	311.164		
1,000.00	998.43	1,043.23	1,043.18	3.55	3.60	-128.62	-1,967.92	-3.62	1,995.53	1,988.39	7.13	279.746		
1,100.00	1,098.15	1,143.14	1,143.08	3.93	3.95	-128.82	-1,966.62	-2.83	1,998.93	1,991.07	7.86	254.246		
1,200.00	1,197.87	1,244.39	1,244.31	4.31	4.32	-129.01	-1,965.25	-2.09	2,002.31	1,993.72	8.60	232.932		
1,300.00	1,297.59	1,344.06	1,343.97	4.68	4.67	-129.19	-1,963.88	-1.50	2,005.68	1,996.36	9.32	215.098		
1,400.00	1,397.31	1,446.34	1,446.23	5.06	5.04	-129.37	-1,962.39	-1.03	2,008.99	1,998.93	10.06	199.657		
1,500.00	1,497.03	1,545.94	1,545.83	5.44	5.40	-129.55	-1,960.92	-0.57	2,012.29	2,001.50	10.79	186.489		
1,600.00	1,596.75	1,646.23	1,646.10	5.81	5.76	-129.73	-1,959.36	-0.08	2,015.55	2,004.03	11.52	174.941		
1,700.00	1,696.47	1,745.41	1,745.27	6.19	6.11	-129.92	-1,957.91	0.61	2,018.92	2,006.67	12.25	164.831		
1,800.00	1,796.19	1,848.81	1,848.65	6.57	6.48	-130.11	-1,956.23	1.45	2,022.15	2,009.16	12.99	155.657		
1,900.00	1,895.90	1,946.73	1,946.56	6.94	6.84	-130.29	-1,954.59	2.08	2,025.35	2,011.64	13.71	147.688		
2,000.00	1,995.62	2,044.23	2,044.05	7.32	7.18	-130.46	-1,953.12	2.60	2,028.73	2,014.30	14.43	140.545		
2,100.00	2,095.34	2,142.97	2,142.78	7.70	7.54	-130.64	-1,951.68	3.13	2,032.18	2,017.02	15.16	134.047		
2,200.00	2,195.06	2,224.22	2,224.02	8.08	7.82	-130.78	-1,950.81	3.38	2,036.04	2,020.23	15.81	128.751		
2,300.00	2,294.78	2,313.76	2,313.56	8.45	8.12	-130.92	-1,950.73	3.21	2,040.83	2,024.35	16.48	123.807		
2,400.00	2,394.50	2,413.40	2,413.20	8.83	8.46	-131.07	-1,950.76	3.18	2,045.79	2,028.60	17.19	119.025		
2,500.00	2,494.22	2,514.26	2,514.06	9.21	8.80	-131.23	-1,950.75	3.17	2,050.71	2,032.81	17.91	114.524		
2,600.00	2,593.94	2,613.35	2,613.14	9.59	9.15	-131.39	-1,950.72	3.13	2,055.63	2,037.01	18.62	110.388		
2,700.00	2,693.65	2,711.71	2,711.51	9.97	9.48	-131.54	-1,950.74	3.14	2,060.63	2,041.30	19.33	106.607		
2,800.00	2,793.37	2,811.65	2,811.44	10.34	9.82	-131.70	-1,950.79	3.18	2,065.67	2,045.63	20.04	103.091		
2,900.00	2,893.09	2,911.74	2,911.54	10.72	10.16	-131.85	-1,950.83	3.16	2,070.70	2,049.96	20.74	99.818		
3,000.00	2,992.81	3,011.23	3,011.02	11.10	10.49	-132.00	-1,950.87	3.12	2,075.75	2,054.30	21.45	96.781		
3,100.00	3,092.53	3,112.31	3,112.10	11.48	10.84	-132.16	-1,950.86	3.12	2,080.78	2,058.61	22.17	93.864		
3,200.00	3,192.25	3,210.43	3,210.23	11.86	11.18	-132.31	-1,950.89	3.05	2,085.84	2,062.96	22.88	91.175		
3,300.00	3,291.97	3,310.63	3,310.43	12.23	11.52	-132.46	-1,950.94	2.90	2,090.94	2,067.35	23.59	88.648		
3,400.00	3,391.69	3,411.15	3,410.94	12.61	11.86	-132.60	-1,950.96	2.79	2,096.02	2,071.72	24.30	86.252		
3,500.00	3,491.41	3,511.11	3,510.91	12.99	12.21	-132.75	-1,950.92	2.74	2,101.07	2,076.05	25.02	83.979		
3,600.00	3,591.12	3,609.95	3,609.75	13.37	12.55	-132.90	-1,950.94	2.77	2,106.20	2,080.46	25.73	81.848		
3,700.00	3,690.84	3,710.97	3,710.77	13.75	12.91	-133.05	-1,950.91	2.79	2,111.28	2,084.82	26.46	79.795		
3,800.00	3,790.56	3,808.97	3,808.76	14.13	13.25	-133.20	-1,950.89	2.83	2,116.39	2,089.22	27.17	77.885		
3,900.00	3,890.28	3,906.51	3,906.31	14.50	13.59	-133.35	-1,950.98	2.87	2,121.64	2,093.76	27.88	76.104		
4,000.00	3,990.00	4,008.95	4,008.75	14.88	13.94	-133.50	-1,951.11	2.83	2,126.92	2,098.32	28.60	74.369		
4,100.00	4,089.72	4,109.84	4,109.63	15.26	14.29	-133.64	-1,951.06	2.78	2,132.03	2,102.71	29.32	72.712		
4,200.00	4,189.44	4,208.76	4,208.55	15.64	14.63	-133.79	-1,951.03	2.84	2,137.20	2,107.16	30.04	71.148		
4,300.00	4,289.16	4,308.36	4,308.16	16.02	14.98	-133.93	-1,951.03	2.85	2,142.40	2,111.64	30.76	69.654		
4,400.00	4,388.87	4,408.60	4,408.40	16.39	15.33	-134.08	-1,951.02	2.83	2,147.60	2,116.13	31.48	68.228		
4,500.00	4,488.59	4,507.72	4,507.52	16.77	15.68	-134.22	-1,951.01	2.81	2,152.82	2,120.62	32.19	66.875		
4,600.00	4,588.31	4,607.66	4,607.46	17.15	16.03	-134.36	-1,951.00	2.88	2,158.06	2,125.14	32.91	65.568		
4,700.00	4,688.03	4,706.00	4,705.80	17.53	16.37	-134.50	-1,951.02	2.93	2,163.34	2,129.71	33.62	64.338		
4,800.00	4,787.75	4,806.93	4,806.73	17.91	16.72	-134.65	-1,951.06	2.94	2,168.64	2,134.29	34.34	63.143		
4,900.00	4,887.47	4,907.69	4,907.48	18.29	17.07	-134.78	-1,951.08	2.77	2,173.92	2,138.86	35.06	62.000		
5,000.00	4,987.19	5,021.15	5,020.91	18.66	17.46	-134.87	-1,951.01	0.11	2,178.87	2,143.04	35.83	60.816		

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Anticollision Report

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Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,100.00	5,086.91	5,142.61	5,142.19	19.04	17.88	-134.87	-1,950.49	-6.52	2,183.07	2,146.44	36.62	59.611		
5,200.00	5,186.63	5,283.41	5,282.40	19.42	18.37	-134.75	-1,948.46	-18.93	2,185.85	2,148.37	37.48	58.315		
5,300.00	5,286.34	5,441.52	5,438.93	19.80	18.92	-134.42	-1,943.48	-40.54	2,186.35	2,147.95	38.40	56.942		
5,400.00	5,386.06	5,565.79	5,561.11	20.18	19.37	-134.04	-1,937.64	-62.49	2,184.83	2,145.63	39.20	55.732		
5,500.00	5,485.78	5,651.00	5,644.56	20.56	19.68	-133.73	-1,933.82	-79.28	2,183.36	2,143.46	39.90	54.725		
5,600.00	5,585.50	5,766.04	5,756.92	20.93	20.11	-133.28	-1,928.64	-103.39	2,181.84	2,141.15	40.69	53.618		
5,700.00	5,685.22	5,877.23	5,865.33	21.31	20.53	-132.82	-1,923.06	-127.46	2,179.86	2,138.37	41.49	52.546		
5,800.00	5,784.94	5,988.59	5,973.06	21.69	20.97	-132.27	-1,916.93	-154.99	2,177.19	2,134.90	42.29	51.479		
5,900.00	5,884.66	6,089.83	6,069.98	22.07	21.39	-131.67	-1,911.46	-183.67	2,174.50	2,131.41	43.09	50.469		
6,000.00	5,984.38	6,187.89	6,162.68	22.45	21.81	-130.99	-1,906.33	-215.23	2,171.91	2,128.02	43.89	49.485		
6,100.00	6,084.09	6,271.07	6,240.51	22.83	22.18	-130.35	-1,902.31	-244.28	2,169.87	2,125.21	44.66	48.589		
6,200.00	6,183.81	6,362.20	6,325.44	23.20	22.60	-129.61	-1,898.57	-277.12	2,168.84	2,123.37	45.47	47.695		
6,300.00	6,283.53	6,483.27	6,437.30	23.58	23.20	-128.58	-1,893.03	-323.08	2,167.76	2,121.31	46.45	46.670		
6,400.00	6,383.25	6,777.05	6,702.29	23.96	24.83	-125.72	-1,865.61	-446.46	2,163.44	2,115.18	48.26	44.825		
6,500.00	6,482.97	6,936.00	6,841.66	24.34	25.84	-124.00	-1,840.23	-518.53	2,152.60	2,103.05	49.56	43.436		
6,600.00	6,582.69	7,014.80	6,910.67	24.72	26.35	-123.14	-1,826.44	-553.96	2,141.27	2,090.76	50.52	42.387		
6,700.00	6,682.41	7,078.21	6,968.25	25.09	26.75	-122.56	-1,816.36	-578.51	2,131.89	2,080.51	51.38	41.494		
6,800.00	6,782.13	7,184.42	7,069.85	25.47	27.29	-121.99	-1,801.19	-604.74	2,123.74	2,071.45	52.29	40.612		
6,900.00	6,881.84	7,404.00	7,285.31	25.85	28.03	-122.41	-1,765.07	-599.64	2,109.48	2,056.41	53.07	39.747		
7,000.00	6,981.56	7,445.00	7,324.73	26.23	28.14	-122.72	-1,758.88	-590.26	2,096.24	2,042.53	53.72	39.024		
7,100.00	7,081.28	7,511.01	7,386.77	26.61	28.28	-123.38	-1,750.99	-569.28	2,085.09	2,030.78	54.31	38.392		
7,200.00	7,181.00	7,561.00	7,432.12	26.99	28.38	-124.02	-1,746.93	-548.66	2,076.80	2,021.92	54.88	37.839		
7,222.08	7,203.02	7,573.49	7,443.17	27.07	28.41	-124.20	-1,746.11	-542.90	2,075.31	2,020.30	55.01	37.727		
7,250.00	7,230.81	7,588.58	7,456.35	27.18	28.44	-110.29	-1,745.21	-535.63	2,073.58	2,018.41	55.16	37.589		
7,300.00	7,280.16	7,612.98	7,477.28	27.39	28.49	-101.51	-1,743.98	-523.13	2,070.90	2,015.46	55.45	37.350		
7,350.00	7,328.67	7,634.00	7,494.88	27.61	28.53	-98.28	-1,743.13	-511.67	2,068.92	2,013.19	55.73	37.126		
7,400.00	7,375.96	7,654.04	7,511.26	27.86	28.58	-96.79	-1,742.49	-500.15	2,067.76	2,011.74	56.02	36.913		
7,435.38	7,408.48	7,665.75	7,520.64	28.04	28.61	-96.14	-1,742.18	-493.15	2,067.51	2,011.29	56.22	36.775		
7,450.00	7,421.67	7,669.99	7,524.00	28.12	28.62	-95.93	-1,742.07	-490.57	2,067.55	2,011.25	56.30	36.724		
7,500.00	7,465.45	7,682.05	7,533.45	28.40	28.65	-95.30	-1,741.82	-483.09	2,068.41	2,011.84	56.57	36.561		
7,550.00	7,506.97	7,690.60	7,540.06	28.70	28.67	-94.72	-1,741.67	-477.67	2,070.42	2,013.57	56.84	36.423		
7,600.00	7,545.92	7,696.03	7,544.22	29.02	28.68	-94.10	-1,741.58	-474.17	2,073.61	2,016.51	57.11	36.311		
7,650.00	7,582.00	7,698.72	7,546.26	29.37	28.69	-93.39	-1,741.55	-472.42	2,078.01	2,020.64	57.37	36.220		
7,700.00	7,614.93	7,699.00	7,546.47	29.76	28.69	-92.58	-1,741.54	-472.24	2,083.58	2,025.94	57.64	36.147		
7,750.00	7,644.47	7,697.18	7,545.09	30.18	28.68	-91.65	-1,741.57	-473.42	2,090.27	2,032.35	57.92	36.088		
7,800.00	7,670.38	7,693.52	7,542.30	30.64	28.68	-90.61	-1,741.62	-475.79	2,098.02	2,039.80	58.22	36.037		
7,850.00	7,692.48	7,688.26	7,538.26	31.14	28.66	-89.46	-1,741.71	-479.16	2,106.73	2,048.19	58.54	35.990		
7,900.00	7,710.59	7,681.60	7,533.10	31.68	28.65	-88.22	-1,741.83	-483.37	2,116.29	2,057.41	58.88	35.944		
7,950.00	7,724.57	7,673.71	7,526.93	32.27	28.63	-86.90	-1,741.99	-488.28	2,126.60	2,067.35	59.25	35.895		
8,000.00	7,734.32	7,664.75	7,519.84	32.89	28.61	-85.52	-1,742.20	-493.76	2,137.52	2,077.88	59.64	35.842		
8,050.00	7,739.77	7,634.00	7,494.88	33.54	28.53	-83.62	-1,743.13	-511.67	2,149.18	2,089.21	59.96	35.841		
8,085.63	7,741.00	7,634.00	7,494.88	34.02	28.53	-82.79	-1,743.13	-511.67	2,157.37	2,097.06	60.30	35.775		
8,100.00	7,741.05	7,634.00	7,494.88	34.22	28.53	-82.79	-1,743.13	-511.67	2,160.76	2,100.31	60.44	35.748		
8,200.00	7,741.40	7,634.00	7,494.88	35.69	28.53	-82.79	-1,743.13	-511.67	2,186.81	2,125.35	61.46	35.580		
8,300.00	7,741.75	7,634.00	7,494.88	37.30	28.53	-82.79	-1,743.13	-511.67	2,217.07	2,154.54	62.53	35.455		
8,400.00	7,742.10	7,591.83	7,459.17	39.03	28.45	-81.83	-1,745.03	-534.01	2,250.06	2,186.57	63.48	35.443		
8,500.00	7,742.44	7,577.58	7,446.76	40.86	28.42	-81.50	-1,745.86	-540.96	2,287.11	2,222.57	64.55	35.433		
8,600.00	7,742.79	7,539.00	7,412.37	42.79	28.34	-80.59	-1,748.53	-558.22	2,328.11	2,262.60	65.51	35.537		
8,700.00	7,743.14	7,539.00	7,412.37	44.80	28.34	-80.59	-1,748.53	-558.22	2,371.52	2,304.91	66.62	35.600		
8,800.00	7,743.49	7,539.00	7,412.37	46.87	28.34	-80.59	-1,748.53	-558.22	2,418.30	2,350.61	67.69	35.726		
8,900.00	7,743.84	7,539.00	7,412.37	49.01	28.34	-80.59	-1,748.53	-558.22	2,468.24	2,399.51	68.73	35.914		
9,000.00	7,744.19	7,539.00	7,412.37	51.20	28.34	-80.59	-1,748.53	-558.22	2,521.16	2,451.44	69.72	36.161		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,100.00	7,744.54	7,539.00	7,412.37	53.43	28.34	-80.59	-1,748.53	-558.22	2,576.87	2,506.21	70.67	36.465		
9,200.00	7,744.89	7,539.00	7,412.37	55.71	28.34	-80.59	-1,748.53	-558.22	2,635.21	2,563.64	71.56	36.823		
9,300.00	7,745.23	7,539.00	7,412.37	58.02	28.34	-80.59	-1,748.53	-558.22	2,695.99	2,623.57	72.41	37.230		
9,400.00	7,745.58	7,495.56	7,372.45	60.37	28.25	-79.55	-1,752.57	-574.83	2,757.18	2,684.08	73.11	37.714		
9,500.00	7,745.93	7,489.50	7,366.79	62.74	28.23	-79.40	-1,753.23	-576.91	2,821.81	2,747.96	73.86	38.207		
9,600.00	7,746.28	7,445.00	7,324.73	65.14	28.14	-78.32	-1,758.88	-590.26	2,889.90	2,815.45	74.45	38.818		
9,700.00	7,746.63	7,445.00	7,324.73	67.56	28.14	-78.32	-1,758.88	-590.26	2,957.91	2,882.78	75.13	39.370		
9,800.00	7,746.98	7,445.00	7,324.73	70.01	28.14	-78.32	-1,758.88	-590.26	3,027.70	2,951.93	75.77	39.957		
9,900.00	7,747.33	7,445.00	7,324.73	72.47	28.14	-78.32	-1,758.88	-590.26	3,099.15	3,022.77	76.38	40.578		
10,000.00	7,747.67	7,445.00	7,324.73	74.94	28.14	-78.32	-1,758.88	-590.26	3,172.13	3,095.20	76.94	41.229		
10,100.00	7,748.02	7,445.00	7,324.73	77.43	28.14	-78.32	-1,758.88	-590.26	3,246.56	3,169.10	77.47	41.909		
10,200.00	7,748.37	7,445.00	7,324.73	79.94	28.14	-78.32	-1,758.88	-590.26	3,322.33	3,244.37	77.96	42.616		
10,300.00	7,748.72	7,445.00	7,324.73	82.46	28.14	-78.32	-1,758.88	-590.26	3,399.36	3,320.93	78.42	43.346		
10,400.00	7,749.07	7,445.00	7,324.73	84.98	28.14	-78.32	-1,758.88	-590.26	3,477.55	3,398.69	78.86	44.100		
10,500.00	7,749.42	7,445.00	7,324.73	87.52	28.14	-78.32	-1,758.88	-590.26	3,556.84	3,477.57	79.26	44.874		
10,600.00	7,749.77	7,445.00	7,324.73	90.07	28.14	-78.32	-1,758.88	-590.26	3,637.14	3,557.50	79.64	45.668		
10,700.00	7,750.11	7,445.00	7,324.73	92.62	28.14	-78.32	-1,758.88	-590.26	3,718.41	3,638.41	80.00	46.479		
10,800.00	7,750.46	7,445.00	7,324.73	95.19	28.14	-78.32	-1,758.88	-590.26	3,800.56	3,720.23	80.34	47.307		
10,900.00	7,750.81	7,445.00	7,324.73	97.76	28.14	-78.32	-1,758.88	-590.26	3,883.56	3,802.90	80.65	48.151		
11,000.00	7,751.16	7,445.00	7,324.73	100.34	28.14	-78.32	-1,758.88	-590.26	3,967.34	3,886.38	80.95	49.009		
11,100.00	7,751.51	7,445.00	7,324.73	102.92	28.14	-78.32	-1,758.88	-590.26	4,051.85	3,970.62	81.23	49.880		
11,200.00	7,751.86	7,445.00	7,324.73	105.51	28.14	-78.32	-1,758.88	-590.26	4,137.05	4,055.56	81.50	50.764		
11,300.00	7,752.21	7,445.00	7,324.73	108.11	28.14	-78.32	-1,758.88	-590.26	4,222.91	4,141.16	81.75	51.659		
11,400.00	7,752.55	7,445.00	7,324.73	110.70	28.14	-78.32	-1,758.88	-590.26	4,309.37	4,227.39	81.98	52.565		
11,500.00	7,752.90	7,445.00	7,324.73	113.31	28.14	-78.32	-1,758.88	-590.26	4,396.41	4,314.20	82.20	53.481		
11,527.76	7,753.00	7,445.00	7,324.73	114.03	28.14	-78.32	-1,758.88	-590.26	4,420.66	4,338.40	82.26	53.737		
11,550.00	7,753.07	7,445.00	7,324.73	114.61	28.14	-79.01	-1,758.88	-590.26	4,439.92	4,357.61	82.31	53.941		
11,600.00	7,753.18	7,445.00	7,324.73	115.90	28.14	-80.26	-1,758.88	-590.26	4,481.68	4,399.27	82.42	54.377		
11,650.00	7,753.23	7,445.00	7,324.73	117.15	28.14	-81.19	-1,758.88	-590.26	4,521.13	4,438.60	82.52	54.786		
11,700.00	7,753.20	7,445.00	7,324.73	118.36	28.14	-81.91	-1,758.88	-590.26	4,558.01	4,475.39	82.62	55.168		
11,750.00	7,753.11	7,445.00	7,324.73	119.50	28.14	-82.48	-1,758.88	-590.26	4,592.13	4,509.43	82.70	55.527		
11,800.00	7,752.95	7,445.00	7,324.73	120.58	28.14	-82.94	-1,758.88	-590.26	4,623.27	4,540.52	82.76	55.865		
11,850.00	7,752.73	7,445.00	7,324.73	121.58	28.14	-83.32	-1,758.88	-590.26	4,651.28	4,568.49	82.78	56.186		
11,900.00	7,752.44	7,445.00	7,324.73	122.49	28.14	-83.63	-1,758.88	-590.26	4,675.98	4,593.21	82.77	56.494		
11,950.00	7,752.10	7,401.47	7,282.86	123.31	28.03	-83.34	-1,765.48	-600.13	4,695.44	4,612.75	82.69	56.786		
12,000.00	7,751.69	7,400.06	7,281.49	124.03	28.02	-83.55	-1,765.71	-600.40	4,713.04	4,630.46	82.57	57.076		
12,050.00	7,751.22	7,398.66	7,280.14	124.65	28.02	-83.72	-1,765.93	-600.66	4,727.00	4,644.59	82.40	57.363		
12,100.00	7,750.71	7,397.28	7,278.81	125.18	28.01	-83.86	-1,766.16	-600.91	4,737.24	4,655.07	82.17	57.649		
12,150.00	7,750.14	7,395.94	7,277.51	125.62	28.01	-83.96	-1,766.37	-601.16	4,743.71	4,661.83	81.88	57.935		
12,200.00	7,749.53	7,394.64	7,276.24	125.96	28.01	-84.03	-1,766.59	-601.39	4,746.37	4,664.85	81.52	58.223		
12,250.00	7,748.89	7,393.39	7,275.03	126.22	28.00	-84.07	-1,766.79	-601.61	4,745.22	4,664.12	81.10	58.511		
12,300.00	7,748.20	7,350.00	7,232.75	126.41	27.89	-83.58	-1,774.34	-607.72	4,741.98	4,661.41	80.58	58.851		
12,350.00	7,747.49	7,350.00	7,232.75	126.53	27.89	-83.55	-1,774.34	-607.72	4,733.14	4,653.10	80.04	59.135		
12,400.00	7,746.76	7,350.00	7,232.75	126.60	27.89	-83.49	-1,774.34	-607.72	4,720.57	4,641.12	79.45	59.413		
12,450.00	7,746.00	7,350.00	7,232.75	126.62	27.89	-83.37	-1,774.34	-607.72	4,704.34	4,625.51	78.83	59.679		
12,500.00	7,745.23	7,350.00	7,232.75	126.62	27.89	-83.20	-1,774.34	-607.72	4,684.52	4,606.35	78.17	59.929		
12,550.00	7,744.46	7,350.00	7,232.75	126.59	27.89	-82.96	-1,774.34	-607.72	4,661.23	4,583.74	77.49	60.155		
12,600.00	7,743.68	7,350.00	7,232.75	126.55	27.89	-82.64	-1,774.34	-607.72	4,634.59	4,557.80	76.80	60.350		
12,650.00	7,742.91	7,350.00	7,232.75	126.52	27.89	-82.22	-1,774.34	-607.72	4,604.75	4,528.65	76.11	60.505		
12,700.00	7,742.16	7,350.00	7,232.75	126.50	27.89	-81.68	-1,774.34	-607.72	4,571.88	4,496.45	75.43	60.612		
12,750.00	7,741.41	7,350.00	7,232.75	126.51	27.89	-80.96	-1,774.34	-607.72	4,536.17	4,461.39	74.78	60.662		
12,800.00	7,740.69	7,350.00	7,232.75	126.55	27.89	-80.00	-1,774.34	-607.72	4,497.81	4,423.65	74.16	60.649		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,850.00	7,740.00	7,350.00	7,232.75	126.64	27.89	-78.72	-1,774.34	-607.72	4,457.04	4,383.45	73.59	60.566		
12,900.00	7,739.34	7,350.00	7,232.75	126.77	27.89	-76.96	-1,774.34	-607.72	4,414.11	4,341.04	73.07	60.407		
12,950.00	7,738.72	7,350.00	7,232.75	126.95	27.89	-74.42	-1,774.34	-607.72	4,369.28	4,296.66	72.62	60.168		
12,966.03	7,738.53	7,350.00	7,232.75	127.02	27.89	-73.37	-1,774.34	-607.72	4,354.56	4,282.07	72.49	60.073		
13,000.00	7,738.13	7,350.00	7,232.75	127.17	27.89	-73.37	-1,774.34	-607.72	4,323.20	4,250.98	72.21	59.866		
13,100.00	7,736.96	7,350.00	7,232.75	127.65	27.89	-73.37	-1,774.34	-607.72	4,231.13	4,159.72	71.41	59.249		
13,200.00	7,735.78	7,350.00	7,232.75	128.16	27.89	-73.37	-1,774.34	-607.72	4,139.43	4,068.81	70.62	58.615		
13,221.13	7,735.54	7,350.00	7,232.75	128.27	27.89	-73.37	-1,774.34	-607.72	4,120.10	4,049.64	70.46	58.478		
13,250.00	7,735.21	7,350.00	7,232.75	128.44	27.89	-71.21	-1,774.34	-607.72	4,093.45	4,023.21	70.24	58.276		
13,300.00	7,734.68	7,350.00	7,232.75	128.76	27.89	-65.78	-1,774.34	-607.72	4,046.21	3,976.28	69.93	57.862		
13,350.00	7,734.22	7,350.00	7,232.75	129.14	27.89	-56.45	-1,774.34	-607.72	3,997.88	3,928.19	69.69	57.367		
13,400.00	7,733.83	7,350.00	7,232.75	129.57	27.89	-38.73	-1,774.34	-607.72	3,948.79	3,879.26	69.53	56.796		
13,450.00	7,733.51	7,350.00	7,232.75	130.04	27.89	-6.41	-1,774.34	-607.72	3,899.29	3,829.85	69.44	56.153		
13,500.00	7,733.25	7,350.00	7,232.75	130.54	27.89	29.00	-1,774.34	-607.72	3,849.74	3,780.30	69.44	55.441		
13,550.00	7,733.08	7,350.00	7,232.75	131.06	27.89	50.03	-1,774.34	-607.72	3,800.54	3,731.01	69.53	54.663		
13,582.30	7,733.00	7,350.00	7,232.75	131.41	27.89	57.82	-1,774.34	-607.72	3,769.12	3,699.49	69.63	54.128		
13,600.00	7,732.97	7,350.00	7,232.75	131.60	27.89	57.82	-1,774.34	-607.72	3,752.01	3,682.30	69.70	53.827		
13,700.00	7,732.78	7,391.29	7,272.99	132.71	28.00	59.67	-1,767.14	-601.98	3,653.73	3,583.54	70.18	52.059		
13,800.00	7,732.60	7,393.63	7,275.26	133.86	28.01	59.78	-1,766.75	-601.57	3,557.15	3,486.48	70.66	50.339		
13,900.00	7,732.41	7,396.08	7,277.64	135.06	28.01	59.89	-1,766.35	-601.13	3,460.75	3,389.55	71.20	48.607		
14,000.00	7,732.23	7,398.66	7,280.14	136.31	28.02	60.01	-1,765.93	-600.66	3,364.54	3,292.75	71.79	46.864		
14,100.00	7,732.05	7,401.36	7,282.75	137.59	28.03	60.14	-1,765.50	-600.15	3,268.56	3,196.10	72.46	45.111		
14,200.00	7,731.86	7,404.20	7,285.50	138.92	28.03	60.27	-1,765.04	-599.60	3,172.80	3,099.61	73.19	43.349		
14,300.00	7,731.68	7,445.00	7,324.73	140.29	28.14	62.24	-1,758.88	-590.26	3,078.77	3,004.77	74.00	41.604		
14,400.00	7,731.49	7,445.00	7,324.73	141.69	28.14	62.24	-1,758.88	-590.26	2,983.31	2,908.41	74.90	39.831		
14,500.00	7,731.31	7,445.00	7,324.73	143.14	28.14	62.24	-1,758.88	-590.26	2,888.16	2,812.26	75.90	38.054		
14,600.00	7,731.12	7,445.00	7,324.73	144.62	28.14	62.24	-1,758.88	-590.26	2,793.34	2,716.33	77.01	36.274		
14,700.00	7,730.94	7,445.00	7,324.73	146.13	28.14	62.24	-1,758.88	-590.26	2,698.90	2,620.66	78.24	34.495		
14,800.00	7,730.76	7,445.00	7,324.73	147.68	28.14	62.24	-1,758.88	-590.26	2,604.87	2,525.26	79.61	32.720		
14,900.00	7,730.57	7,445.00	7,324.73	149.26	28.14	62.24	-1,758.88	-590.26	2,511.31	2,430.18	81.14	30.952		
15,000.00	7,730.39	7,445.00	7,324.73	150.88	28.14	62.24	-1,758.88	-590.26	2,418.26	2,335.43	82.83	29.196		
15,100.00	7,730.20	7,445.00	7,324.73	152.52	28.14	62.24	-1,758.88	-590.26	2,325.79	2,241.08	84.71	27.456		
15,200.00	7,730.02	7,445.00	7,324.73	154.20	28.14	62.24	-1,758.88	-590.26	2,233.97	2,147.17	86.80	25.736		
15,300.00	7,729.83	7,445.00	7,324.73	155.90	28.14	62.24	-1,758.88	-590.26	2,142.88	2,053.75	89.13	24.043		
15,400.00	7,729.65	7,445.00	7,324.73	157.63	28.14	62.24	-1,758.88	-590.26	2,052.62	1,960.91	91.71	22.381		
15,500.00	7,729.47	7,445.00	7,324.73	159.39	28.14	62.24	-1,758.88	-590.26	1,963.30	1,868.72	94.58	20.757		
15,600.00	7,729.28	7,445.00	7,324.73	161.18	28.14	62.24	-1,758.88	-590.26	1,875.06	1,777.28	97.78	19.177		
15,700.00	7,729.10	7,445.00	7,324.73	162.99	28.14	62.24	-1,758.88	-590.26	1,788.06	1,686.74	101.33	17.646		
15,800.00	7,728.91	7,445.00	7,324.73	164.82	28.14	62.24	-1,758.88	-590.26	1,702.49	1,597.22	105.27	16.173		
15,900.00	7,728.73	7,488.54	7,365.89	166.68	28.23	64.44	-1,753.34	-577.23	1,616.25	1,506.89	109.37	14.778		
16,000.00	7,728.54	7,497.26	7,374.03	168.56	28.25	64.89	-1,752.39	-574.24	1,533.21	1,419.05	114.16	13.430		
16,100.00	7,728.36	7,539.00	7,412.37	170.46	28.34	67.10	-1,748.53	-558.22	1,453.38	1,334.20	119.18	12.195		
16,200.00	7,728.18	7,539.00	7,412.37	172.39	28.34	67.10	-1,748.53	-558.22	1,373.79	1,248.62	125.17	10.975		
16,300.00	7,727.99	7,539.00	7,412.37	174.33	28.34	67.10	-1,748.53	-558.22	1,297.03	1,165.24	131.79	9.842		
16,400.00	7,727.81	7,539.00	7,412.37	176.30	28.34	67.10	-1,748.53	-558.22	1,223.63	1,084.57	139.06	8.800		
16,500.00	7,727.62	7,539.00	7,412.37	178.28	28.34	67.10	-1,748.53	-558.22	1,154.23	1,007.26	146.97	7.854		
16,600.00	7,727.44	7,573.35	7,443.04	180.29	28.41	68.95	-1,746.12	-542.97	1,088.17	932.91	155.27	7.008		
16,700.00	7,727.25	7,592.29	7,459.57	182.31	28.45	69.98	-1,745.01	-533.78	1,027.22	862.96	164.27	6.253		
16,800.00	7,727.07	7,634.00	7,494.88	184.35	28.53	72.25	-1,743.13	-511.67	972.21	798.76	173.46	5.605		
16,837.81	7,727.00	7,634.00	7,494.88	185.12	28.53	72.25	-1,743.13	-511.67	952.47	775.26	177.21	5.375 CC, ES, SF		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	-179.70	-1,927.84	-10.22	2,846.96					
100.00	100.00	2,113.95	2,113.87	0.27	0.00	-179.70	-1,927.84	-10.22	2,774.20	2,772.54	1.66	1,667.136		
200.00	200.00	2,113.95	2,113.87	0.63	0.00	-179.70	-1,927.84	-10.22	2,703.18	2,701.51	1.68	1,610.597		
300.00	300.00	2,113.95	2,113.87	0.99	0.00	-179.70	-1,927.84	-10.22	2,634.05	2,632.31	1.74	1,515.088		
400.00	399.98	2,113.95	2,113.87	1.34	0.00	-128.85	-1,927.84	-10.22	2,567.77	2,565.94	1.83	1,402.818		
500.00	499.84	2,113.95	2,113.87	1.70	0.00	-130.08	-1,927.84	-10.22	2,505.44	2,503.48	1.96	1,278.558		
514.88	514.68	2,113.95	2,113.87	1.76	0.00	-130.25	-1,927.84	-10.22	2,496.52	2,494.55	1.97	1,266.273		
600.00	599.56	2,113.95	2,113.87	2.07	0.00	-130.25	-1,927.84	-10.22	2,446.77	2,444.62	2.15	1,137.263		
700.00	699.28	2,113.95	2,113.87	2.44	0.00	-130.25	-1,927.84	-10.22	2,390.87	2,388.46	2.40	995.185		
800.00	799.00	2,113.95	2,113.87	2.81	0.00	-130.25	-1,927.84	-10.22	2,337.91	2,335.22	2.69	869.901		
900.00	898.72	2,113.95	2,113.87	3.18	0.00	-130.25	-1,927.84	-10.22	2,288.09	2,285.09	3.00	762.331		
1,000.00	998.43	2,113.95	2,113.87	3.55	0.00	-130.25	-1,927.84	-10.22	2,241.64	2,238.30	3.34	671.242		
1,100.00	1,098.15	2,113.95	2,113.87	3.93	0.00	-130.25	-1,927.84	-10.22	2,198.75	2,195.05	3.70	594.600		
1,200.00	1,197.87	2,113.95	2,113.87	4.31	0.00	-130.25	-1,927.84	-10.22	2,159.65	2,155.57	4.07	530.258		
1,300.00	1,297.59	2,113.95	2,113.87	4.68	0.00	-130.25	-1,927.84	-10.22	2,124.53	2,120.07	4.46	476.253		
1,400.00	1,397.31	2,113.95	2,113.87	5.06	0.00	-130.25	-1,927.84	-10.22	2,093.61	2,088.75	4.86	430.893		
1,500.00	1,497.03	2,113.95	2,113.87	5.44	0.00	-130.25	-1,927.84	-10.22	2,067.07	2,061.81	5.26	392.765		
1,600.00	1,596.75	2,113.95	2,113.87	5.81	0.00	-130.25	-1,927.84	-10.22	2,045.08	2,039.41	5.67	360.706		
1,700.00	1,696.47	2,113.95	2,113.87	6.19	0.00	-130.25	-1,927.84	-10.22	2,027.78	2,021.71	6.08	333.763		
1,800.00	1,796.19	2,113.95	2,113.87	6.57	0.00	-130.25	-1,927.84	-10.22	2,015.31	2,008.83	6.48	311.154		
1,900.00	1,895.90	2,113.95	2,113.87	6.94	0.00	-130.25	-1,927.84	-10.22	2,007.74	2,000.87	6.87	292.236		
2,000.00	1,995.62	2,113.95	2,113.87	7.32	0.00	-130.25	-1,927.84	-10.22	2,005.14	1,997.89	7.25	276.480		
2,004.45	2,000.06	2,113.95	2,113.87	7.34	0.00	-130.25	-1,927.84	-10.22	2,005.14	1,997.87	7.27	275.845		
2,100.00	2,095.34	2,120.17	2,120.09	7.70	0.01	-130.26	-1,927.82	-10.23	2,007.52	1,999.88	7.63	263.036		
2,200.00	2,195.06	2,216.56	2,216.48	8.08	0.18	-130.41	-1,927.63	-10.24	2,012.17	2,004.00	8.18	246.115		
2,300.00	2,294.78	2,312.73	2,312.65	8.45	0.46	-130.57	-1,927.59	-10.13	2,017.01	2,008.19	8.82	228.646		
2,400.00	2,394.50	2,415.25	2,415.17	8.83	0.81	-130.74	-1,927.63	-10.17	2,021.94	2,012.40	9.55	211.775		
2,500.00	2,494.22	2,514.36	2,514.28	9.21	1.16	-130.90	-1,927.53	-10.23	2,026.74	2,016.48	10.26	197.459		
2,600.00	2,593.94	2,615.18	2,615.10	9.59	1.51	-131.06	-1,927.47	-10.19	2,031.60	2,020.61	10.99	184.848		
2,700.00	2,693.65	2,714.76	2,714.68	9.97	1.86	-131.22	-1,927.36	-10.21	2,036.43	2,024.72	11.71	173.874		
2,800.00	2,793.37	2,811.34	2,811.26	10.34	2.20	-131.37	-1,927.33	-10.24	2,041.36	2,028.94	12.42	164.384		
2,900.00	2,893.09	2,927.93	2,927.85	10.72	2.61	-131.58	-1,926.76	-9.44	2,045.87	2,032.67	13.20	154.994		
3,000.00	2,992.81	3,015.27	3,015.18	11.10	2.92	-131.72	-1,926.34	-9.02	2,050.41	2,036.53	13.88	147.753		
3,100.00	3,092.53	3,110.21	3,110.12	11.48	3.25	-131.87	-1,926.31	-8.97	2,055.38	2,040.80	14.58	140.974		
3,200.00	3,192.25	3,211.41	3,211.32	11.86	3.60	-132.03	-1,926.33	-9.02	2,060.42	2,045.11	15.30	134.658		
3,300.00	3,291.97	3,309.64	3,309.55	12.23	3.94	-132.18	-1,926.37	-9.08	2,065.49	2,049.48	16.01	129.009		
3,400.00	3,391.69	3,409.71	3,409.62	12.61	4.29	-132.34	-1,926.44	-9.03	2,070.60	2,053.87	16.73	123.769		
3,500.00	3,491.41	3,511.36	3,511.27	12.99	4.64	-132.49	-1,926.43	-8.94	2,075.67	2,058.21	17.46	118.895		
3,600.00	3,591.12	3,611.70	3,611.61	13.37	5.00	-132.65	-1,926.36	-8.89	2,080.68	2,062.50	18.18	114.442		
3,700.00	3,690.84	3,710.14	3,710.05	13.75	5.34	-132.79	-1,926.32	-9.02	2,085.72	2,066.83	18.89	110.396		
3,800.00	3,790.56	3,808.59	3,808.50	14.13	5.68	-132.94	-1,926.36	-9.08	2,090.86	2,071.25	19.60	106.656		
3,900.00	3,890.28	3,907.16	3,907.07	14.50	6.02	-133.09	-1,926.43	-9.15	2,096.04	2,075.73	20.32	103.174		
4,000.00	3,990.00	4,011.76	4,011.67	14.88	6.38	-133.24	-1,926.50	-9.25	2,101.24	2,080.19	21.05	99.815		
4,100.00	4,089.72	4,112.57	4,112.48	15.26	6.74	-133.39	-1,926.30	-9.44	2,106.17	2,084.39	21.77	96.730		
4,200.00	4,189.44	4,211.27	4,211.18	15.64	7.08	-133.53	-1,926.17	-9.48	2,111.19	2,088.70	22.49	93.878		
4,300.00	4,289.16	4,310.52	4,310.43	16.02	7.43	-133.67	-1,926.06	-9.65	2,116.24	2,093.04	23.21	91.194		
4,400.00	4,388.87	4,411.91	4,411.82	16.39	7.78	-133.82	-1,925.93	-9.73	2,121.30	2,097.36	23.93	88.638		
4,500.00	4,488.59	4,510.28	4,510.19	16.77	8.13	-133.96	-1,925.78	-9.82	2,126.34	2,101.69	24.65	86.270		
4,600.00	4,588.31	4,605.86	4,605.77	17.15	8.46	-134.10	-1,925.76	-9.90	2,131.52	2,106.17	25.35	84.081		
4,700.00	4,688.03	4,707.45	4,707.36	17.53	8.82	-134.24	-1,925.82	-10.11	2,136.79	2,110.71	26.08	81.944		
4,800.00	4,787.75	4,819.59	4,819.50	17.91	9.21	-134.39	-1,925.69	-10.37	2,141.91	2,115.07	26.84	79.791		
4,900.00	4,887.47	5,006.52	5,006.27	18.29	9.87	-134.52	-1,921.35	-16.01	2,144.47	2,116.59	27.88	76.911		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,000.00	4,987.19	5,142.09	5,141.44	18.66	10.35	-134.52	-1,914.91	-24.10	2,144.33	2,115.60	28.73	74.642		
5,100.00	5,086.91	5,428.41	5,424.90	19.04	11.40	-134.21	-1,889.66	-54.18	2,140.75	2,110.74	30.00	71.356		
5,200.00	5,186.63	5,591.15	5,583.58	19.42	12.02	-133.81	-1,865.09	-80.55	2,128.71	2,097.82	30.89	68.904		
5,300.00	5,286.34	5,691.85	5,681.20	19.80	12.43	-133.48	-1,849.25	-99.48	2,116.11	2,084.46	31.65	66.860		
5,400.00	5,386.06	5,791.32	5,777.39	20.18	12.84	-133.13	-1,833.52	-119.36	2,103.35	2,070.94	32.41	64.893		
5,500.00	5,485.78	5,891.42	5,874.19	20.56	13.27	-132.77	-1,817.81	-139.43	2,090.79	2,057.60	33.19	62.999		
5,600.00	5,585.50	6,001.68	5,980.02	20.93	13.77	-132.26	-1,800.47	-165.00	2,077.92	2,043.92	34.01	61.101		
5,700.00	5,685.22	6,109.57	6,082.47	21.31	14.28	-131.65	-1,783.33	-194.18	2,064.63	2,029.78	34.85	59.243		
5,800.00	5,784.94	6,275.16	6,237.62	21.69	15.14	-130.54	-1,754.26	-244.11	2,049.53	2,013.63	35.90	57.090		
5,900.00	5,884.66	6,395.10	6,348.96	22.07	15.80	-129.67	-1,730.74	-282.03	2,032.62	1,995.77	36.85	55.163		
6,000.00	5,984.38	6,513.42	6,458.08	22.45	16.50	-128.76	-1,706.42	-320.76	2,015.04	1,977.21	37.82	53.273		
6,100.00	6,084.09	6,645.03	6,577.86	22.83	17.33	-127.63	-1,677.58	-367.03	1,996.29	1,957.39	38.90	51.322		
6,200.00	6,183.81	6,804.52	6,720.74	23.20	18.42	-126.11	-1,639.33	-426.67	1,976.03	1,935.91	40.12	49.250		
6,300.00	6,283.53	7,000.30	6,893.52	23.58	19.87	-124.17	-1,583.14	-499.54	1,951.26	1,909.77	41.49	47.028		
6,400.00	6,383.25	7,141.73	7,017.95	23.96	20.96	-122.79	-1,537.77	-549.13	1,924.26	1,881.59	42.68	45.090		
6,500.00	6,482.97	7,330.35	7,187.95	24.34	22.20	-121.69	-1,468.56	-588.72	1,891.66	1,848.02	43.63	43.354		
6,600.00	6,582.69	7,382.02	7,236.20	24.72	22.43	-121.73	-1,450.13	-588.36	1,859.94	1,815.53	44.41	41.878		
6,700.00	6,682.41	7,443.00	7,293.72	25.09	22.66	-122.02	-1,431.27	-581.39	1,831.05	1,785.92	45.13	40.574		
6,800.00	6,782.13	7,493.18	7,340.72	25.47	22.78	-122.43	-1,417.60	-570.44	1,804.21	1,758.40	45.81	39.386		
6,900.00	6,881.84	7,688.09	7,509.24	25.85	23.10	-125.40	-1,367.44	-488.36	1,776.03	1,730.09	45.94	38.658		
7,000.00	6,981.56	7,793.64	7,587.62	26.23	23.20	-127.77	-1,341.86	-422.67	1,746.31	1,699.81	46.50	37.556		
7,100.00	7,081.28	7,852.65	7,626.39	26.61	23.25	-129.32	-1,328.67	-380.20	1,718.36	1,671.10	47.26	36.359		
7,200.00	7,181.00	7,892.62	7,651.15	26.99	23.29	-130.43	-1,320.61	-349.87	1,694.30	1,646.26	48.04	35.266		
7,222.08	7,203.02	7,915.00	7,664.50	27.07	23.32	-131.06	-1,316.44	-332.41	1,689.65	1,641.44	48.21	35.046		
7,250.00	7,230.81	7,915.00	7,664.50	27.18	23.32	-117.34	-1,316.44	-332.41	1,683.94	1,635.52	48.42	34.779		
7,300.00	7,280.16	7,935.75	7,676.45	27.39	23.35	-109.41	-1,312.70	-315.87	1,675.01	1,626.19	48.82	34.309		
7,350.00	7,328.67	7,956.42	7,687.86	27.61	23.38	-106.95	-1,309.02	-299.03	1,667.73	1,618.51	49.22	33.886		
7,400.00	7,375.96	7,969.80	7,694.97	27.86	23.41	-105.88	-1,306.67	-287.95	1,662.35	1,612.78	49.58	33.531		
7,450.00	7,421.67	7,977.21	7,698.82	28.12	23.42	-105.19	-1,305.37	-281.74	1,659.07	1,609.17	49.90	33.246		
7,499.43	7,464.96	7,979.74	7,700.12	28.39	23.43	-104.54	-1,304.93	-279.61	1,657.98	1,607.79	50.19	33.035		
7,500.00	7,465.45	7,979.75	7,700.12	28.40	23.43	-104.54	-1,304.93	-279.61	1,657.98	1,607.79	50.19	33.033		
7,550.00	7,506.97	7,978.30	7,699.38	28.70	23.42	-103.77	-1,305.18	-280.82	1,659.12	1,608.68	50.45	32.889		
7,600.00	7,545.92	7,973.58	7,696.94	29.02	23.41	-102.83	-1,306.01	-284.79	1,662.47	1,611.80	50.67	32.808		
7,650.00	7,582.00	7,966.14	7,693.05	29.37	23.40	-101.69	-1,307.31	-290.99	1,667.95	1,617.08	50.87	32.786		
7,700.00	7,614.93	7,956.44	7,687.88	29.76	23.38	-100.35	-1,309.02	-299.01	1,675.46	1,624.40	51.06	32.813		
7,750.00	7,644.47	7,944.85	7,681.54	30.18	23.36	-98.82	-1,311.07	-308.50	1,684.85	1,633.61	51.24	32.882		
7,800.00	7,670.38	7,931.67	7,674.15	30.64	23.34	-97.11	-1,313.43	-319.15	1,695.95	1,644.53	51.42	32.984		
7,850.00	7,692.48	7,915.00	7,664.50	31.14	23.32	-95.17	-1,316.44	-332.41	1,708.58	1,656.99	51.59	33.120		
7,900.00	7,710.59	7,915.00	7,664.50	31.68	23.32	-93.61	-1,316.44	-332.41	1,722.61	1,670.74	51.87	33.212		
7,950.00	7,724.57	7,915.00	7,664.50	32.27	23.32	-91.92	-1,316.44	-332.41	1,738.03	1,685.87	52.17	33.316		
8,000.00	7,734.32	7,877.57	7,641.96	32.89	23.28	-89.19	-1,323.56	-361.42	1,753.80	1,701.44	52.36	33.496		
8,050.00	7,739.77	7,862.62	7,632.67	33.54	23.26	-87.02	-1,326.59	-372.74	1,770.66	1,718.01	52.65	33.632		
8,085.63	7,741.00	7,851.48	7,625.65	34.02	23.25	-85.46	-1,328.92	-381.07	1,783.02	1,730.16	52.87	33.728		
8,100.00	7,741.05	7,821.00	7,606.00	34.22	23.22	-84.81	-1,335.59	-403.39	1,788.53	1,735.67	52.86	33.838		
8,200.00	7,741.40	7,821.00	7,606.00	35.69	23.22	-84.81	-1,335.59	-403.39	1,825.41	1,771.77	53.64	34.031		
8,300.00	7,741.75	7,787.65	7,583.49	37.30	23.19	-84.07	-1,343.25	-426.77	1,866.19	1,811.80	54.39	34.310		
8,400.00	7,742.10	7,761.69	7,565.10	39.03	23.17	-83.47	-1,349.37	-444.04	1,910.39	1,855.21	55.18	34.619		
8,500.00	7,742.44	7,726.00	7,538.64	40.86	23.14	-82.62	-1,357.99	-466.38	1,957.99	1,902.04	55.96	34.992		
8,600.00	7,742.79	7,726.00	7,538.64	42.79	23.14	-82.62	-1,357.99	-466.38	2,008.62	1,951.81	56.81	35.357		
8,700.00	7,743.14	7,726.00	7,538.64	44.80	23.14	-82.62	-1,357.99	-466.38	2,062.86	2,005.22	57.64	35.788		
8,800.00	7,743.49	7,678.91	7,501.95	46.87	23.09	-81.47	-1,369.78	-493.42	2,118.82	2,060.42	58.40	36.283		
8,900.00	7,743.84	7,632.00	7,463.72	49.01	23.03	-80.29	-1,382.07	-517.65	2,178.74	2,119.62	59.11	36.856		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,000.00	7,744.19	7,632.00	7,463.72	51.20	23.03	-80.29	-1,382.07	-517.65	2,240.01	2,180.13	59.87	37.414		
9,100.00	7,744.54	7,632.00	7,463.72	53.43	23.03	-80.29	-1,382.07	-517.65	2,303.99	2,243.40	60.59	38.028		
9,200.00	7,744.89	7,632.00	7,463.72	55.71	23.03	-80.29	-1,382.07	-517.65	2,370.46	2,309.20	61.26	38.694		
9,300.00	7,745.23	7,632.00	7,463.72	58.02	23.03	-80.29	-1,382.07	-517.65	2,439.22	2,377.33	61.89	39.410		
9,400.00	7,745.58	7,591.48	7,429.29	60.37	22.97	-79.24	-1,392.72	-536.17	2,508.93	2,446.45	62.48	40.154		
9,500.00	7,745.93	7,580.06	7,419.35	62.74	22.95	-78.94	-1,395.66	-540.94	2,580.96	2,517.92	63.04	40.940		
9,600.00	7,746.28	7,537.00	7,380.95	65.14	22.88	-77.80	-1,406.46	-557.14	2,655.40	2,591.86	63.54	41.792		
9,700.00	7,746.63	7,537.00	7,380.95	67.56	22.88	-77.80	-1,406.46	-557.14	2,730.22	2,666.17	64.05	42.628		
9,800.00	7,746.98	7,537.00	7,380.95	70.01	22.88	-77.80	-1,406.46	-557.14	2,806.62	2,742.09	64.52	43.499		
9,900.00	7,747.33	7,537.00	7,380.95	72.47	22.88	-77.80	-1,406.46	-557.14	2,884.45	2,819.49	64.97	44.400		
10,000.00	7,747.67	7,537.00	7,380.95	74.94	22.88	-77.80	-1,406.46	-557.14	2,963.62	2,898.24	65.38	45.329		
10,100.00	7,748.02	7,537.00	7,380.95	77.43	22.88	-77.80	-1,406.46	-557.14	3,044.01	2,978.25	65.77	46.284		
10,200.00	7,748.37	7,537.00	7,380.95	79.94	22.88	-77.80	-1,406.46	-557.14	3,125.54	3,059.41	66.13	47.263		
10,300.00	7,748.72	7,537.00	7,380.95	82.46	22.88	-77.80	-1,406.46	-557.14	3,208.11	3,141.64	66.47	48.263		
10,400.00	7,749.07	7,537.00	7,380.95	84.98	22.88	-77.80	-1,406.46	-557.14	3,291.65	3,224.86	66.79	49.284		
10,500.00	7,749.42	7,537.00	7,380.95	87.52	22.88	-77.80	-1,406.46	-557.14	3,376.08	3,308.99	67.09	50.323		
10,600.00	7,749.77	7,537.00	7,380.95	90.07	22.88	-77.80	-1,406.46	-557.14	3,461.35	3,393.98	67.37	51.379		
10,700.00	7,750.11	7,537.00	7,380.95	92.62	22.88	-77.80	-1,406.46	-557.14	3,547.38	3,479.74	67.63	52.450		
10,800.00	7,750.46	7,537.00	7,380.95	95.19	22.88	-77.80	-1,406.46	-557.14	3,634.13	3,566.24	67.88	53.536		
10,900.00	7,750.81	7,537.00	7,380.95	97.76	22.88	-77.80	-1,406.46	-557.14	3,721.54	3,653.42	68.12	54.635		
11,000.00	7,751.16	7,493.34	7,340.87	100.34	22.78	-76.63	-1,417.56	-570.40	3,807.60	3,739.23	68.37	55.692		
11,100.00	7,751.51	7,490.17	7,337.93	102.92	22.77	-76.55	-1,418.40	-571.23	3,895.91	3,827.32	68.58	56.805		
11,200.00	7,751.86	7,487.14	7,335.11	105.51	22.76	-76.47	-1,419.20	-572.00	3,984.75	3,915.97	68.79	57.928		
11,300.00	7,752.21	7,443.00	7,293.72	108.11	22.66	-75.30	-1,431.27	-581.39	4,075.86	4,006.86	69.00	59.071		
11,400.00	7,752.55	7,443.00	7,293.72	110.70	22.66	-75.30	-1,431.27	-581.39	4,165.44	4,096.25	69.19	60.206		
11,500.00	7,752.90	7,443.00	7,293.72	113.31	22.66	-75.30	-1,431.27	-581.39	4,255.49	4,186.12	69.36	61.350		
11,527.76	7,753.00	7,443.00	7,293.72	114.03	22.66	-75.30	-1,431.27	-581.39	4,280.56	4,211.15	69.41	61.669		
11,550.00	7,753.07	7,443.00	7,293.72	114.61	22.66	-76.32	-1,431.27	-581.39	4,300.49	4,231.04	69.45	61.922		
11,600.00	7,753.18	7,443.00	7,293.72	115.90	22.66	-78.12	-1,431.27	-581.39	4,343.94	4,274.40	69.54	62.471		
11,650.00	7,753.23	7,443.00	7,293.72	117.15	22.66	-79.44	-1,431.27	-581.39	4,385.28	4,315.66	69.62	62.989		
11,700.00	7,753.20	7,443.00	7,293.72	118.36	22.66	-80.44	-1,431.27	-581.39	4,424.27	4,354.58	69.70	63.480		
11,750.00	7,753.11	7,443.00	7,293.72	119.50	22.66	-81.21	-1,431.27	-581.39	4,460.67	4,390.92	69.76	63.946		
11,800.00	7,752.95	7,443.00	7,293.72	120.58	22.66	-81.83	-1,431.27	-581.39	4,494.28	4,424.49	69.80	64.391		
11,850.00	7,752.73	7,443.00	7,293.72	121.58	22.66	-82.33	-1,431.27	-581.39	4,524.90	4,455.10	69.81	64.820		
11,900.00	7,752.44	7,443.00	7,293.72	122.49	22.66	-82.74	-1,431.27	-581.39	4,552.37	4,482.58	69.78	65.237		
11,950.00	7,752.10	7,443.00	7,293.72	123.31	22.66	-83.08	-1,431.27	-581.39	4,576.52	4,506.81	69.71	65.647		
12,000.00	7,751.69	7,443.00	7,293.72	124.03	22.66	-83.36	-1,431.27	-581.39	4,597.24	4,527.64	69.60	66.055		
12,050.00	7,751.22	7,443.00	7,293.72	124.65	22.66	-83.59	-1,431.27	-581.39	4,614.41	4,544.98	69.43	66.465		
12,100.00	7,750.71	7,443.00	7,293.72	125.18	22.66	-83.78	-1,431.27	-581.39	4,627.94	4,558.74	69.20	66.879		
12,150.00	7,750.14	7,443.00	7,293.72	125.62	22.66	-83.93	-1,431.27	-581.39	4,637.75	4,568.84	68.91	67.301		
12,200.00	7,749.53	7,443.00	7,293.72	125.96	22.66	-84.05	-1,431.27	-581.39	4,643.81	4,575.25	68.56	67.730		
12,250.00	7,748.89	7,443.00	7,293.72	126.22	22.66	-84.14	-1,431.27	-581.39	4,646.08	4,577.92	68.16	68.168		
12,300.00	7,748.20	7,443.00	7,293.72	126.41	22.66	-84.19	-1,431.27	-581.39	4,644.54	4,576.85	67.69	68.613		
12,350.00	7,747.49	7,443.00	7,293.72	126.53	22.66	-84.21	-1,431.27	-581.39	4,639.20	4,572.03	67.18	69.060		
12,400.00	7,746.76	7,443.00	7,293.72	126.60	22.66	-84.19	-1,431.27	-581.39	4,630.10	4,563.48	66.62	69.505		
12,450.00	7,746.00	7,443.00	7,293.72	126.62	22.66	-84.14	-1,431.27	-581.39	4,617.28	4,551.26	66.02	69.941		
12,500.00	7,745.23	7,443.00	7,293.72	126.62	22.66	-84.04	-1,431.27	-581.39	4,600.80	4,535.41	65.39	70.359		
12,550.00	7,744.46	7,443.00	7,293.72	126.59	22.66	-83.89	-1,431.27	-581.39	4,580.75	4,516.00	64.75	70.750		
12,600.00	7,743.68	7,443.00	7,293.72	126.55	22.66	-83.68	-1,431.27	-581.39	4,557.24	4,493.15	64.09	71.102		
12,650.00	7,742.91	7,443.00	7,293.72	126.52	22.66	-83.39	-1,431.27	-581.39	4,530.40	4,466.95	63.45	71.403		
12,700.00	7,742.16	7,443.00	7,293.72	126.50	22.66	-83.01	-1,431.27	-581.39	4,500.37	4,437.55	62.82	71.641		
12,750.00	7,741.41	7,443.00	7,293.72	126.51	22.66	-82.51	-1,431.27	-581.39	4,467.32	4,405.10	62.21	71.805		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,800.00	7,740.69	7,443.00	7,293.72	126.55	22.66	-81.85	-1,431.27	-581.39	4,431.43	4,369.79	61.65	71.884		
12,850.00	7,740.00	7,443.00	7,293.72	126.64	22.66	-80.97	-1,431.27	-581.39	4,392.92	4,331.80	61.12	71.869		
12,900.00	7,739.34	7,443.00	7,293.72	126.77	22.66	-79.79	-1,431.27	-581.39	4,352.01	4,291.36	60.65	71.755		
12,950.00	7,738.72	7,443.00	7,293.72	126.95	22.66	-78.15	-1,431.27	-581.39	4,308.95	4,248.71	60.23	71.537		
12,966.03	7,738.53	7,443.00	7,293.72	127.02	22.66	-77.49	-1,431.27	-581.39	4,294.73	4,234.62	60.11	71.443		
13,000.00	7,738.13	7,443.00	7,293.72	127.17	22.66	-77.49	-1,431.27	-581.39	4,264.42	4,204.56	59.86	71.237		
13,100.00	7,736.96	7,443.00	7,293.72	127.65	22.66	-77.49	-1,431.27	-581.39	4,175.55	4,116.40	59.15	70.591		
13,200.00	7,735.78	7,443.00	7,293.72	128.16	22.66	-77.49	-1,431.27	-581.39	4,087.19	4,028.69	58.50	69.870		
13,221.13	7,735.54	7,443.00	7,293.72	128.27	22.66	-77.49	-1,431.27	-581.39	4,068.58	4,010.21	58.37	69.707		
13,250.00	7,735.21	7,443.00	7,293.72	128.44	22.66	-76.17	-1,431.27	-581.39	4,042.88	3,984.68	58.20	69.462		
13,300.00	7,734.68	7,443.00	7,293.72	128.76	22.66	-73.01	-1,431.27	-581.39	3,997.04	3,939.08	57.96	68.961		
13,350.00	7,734.22	7,443.00	7,293.72	129.14	22.66	-68.01	-1,431.27	-581.39	3,949.78	3,892.01	57.77	68.372		
13,400.00	7,733.83	7,443.00	7,293.72	129.57	22.66	-59.29	-1,431.27	-581.39	3,901.41	3,843.79	57.62	67.706		
13,450.00	7,733.51	7,443.00	7,293.72	130.04	22.66	-42.10	-1,431.27	-581.39	3,852.27	3,794.75	57.52	66.971		
13,500.00	7,733.25	7,443.00	7,293.72	130.54	22.66	-8.22	-1,431.27	-581.39	3,802.71	3,745.25	57.46	66.177		
13,550.00	7,733.08	7,443.00	7,293.72	131.06	22.66	30.43	-1,431.27	-581.39	3,753.09	3,695.64	57.45	65.330		
13,582.30	7,733.00	7,443.00	7,293.72	131.41	22.66	46.21	-1,431.27	-581.39	3,721.19	3,663.72	57.46	64.757		
13,600.00	7,732.97	7,443.00	7,293.72	131.60	22.66	46.21	-1,431.27	-581.39	3,703.76	3,646.28	57.48	64.437		
13,700.00	7,732.78	7,443.00	7,293.72	132.71	22.66	46.21	-1,431.27	-581.39	3,605.37	3,547.79	57.58	62.618		
13,800.00	7,732.60	7,443.00	7,293.72	133.86	22.66	46.21	-1,431.27	-581.39	3,507.07	3,449.37	57.70	60.784		
13,900.00	7,732.41	7,443.00	7,293.72	135.06	22.66	46.21	-1,431.27	-581.39	3,408.86	3,351.02	57.84	58.935		
14,000.00	7,732.23	7,443.00	7,293.72	136.31	22.66	46.21	-1,431.27	-581.39	3,310.77	3,252.76	58.01	57.070		
14,100.00	7,732.05	7,443.00	7,293.72	137.59	22.66	46.21	-1,431.27	-581.39	3,212.79	3,154.58	58.21	55.189		
14,200.00	7,731.86	7,443.00	7,293.72	138.92	22.66	46.21	-1,431.27	-581.39	3,114.94	3,056.49	58.45	53.291		
14,300.00	7,731.68	7,443.00	7,293.72	140.29	22.66	46.21	-1,431.27	-581.39	3,017.23	2,958.50	58.73	51.376		
14,400.00	7,731.49	7,443.00	7,293.72	141.69	22.66	46.21	-1,431.27	-581.39	2,919.68	2,860.63	59.05	49.443		
14,500.00	7,731.31	7,443.00	7,293.72	143.14	22.66	46.21	-1,431.27	-581.39	2,822.30	2,762.87	59.43	47.493		
14,600.00	7,731.12	7,443.00	7,293.72	144.62	22.66	46.21	-1,431.27	-581.39	2,725.11	2,665.25	59.86	45.526		
14,700.00	7,730.94	7,443.00	7,293.72	146.13	22.66	46.21	-1,431.27	-581.39	2,628.12	2,567.77	60.36	43.542		
14,800.00	7,730.76	7,443.00	7,293.72	147.68	22.66	46.21	-1,431.27	-581.39	2,531.38	2,470.44	60.93	41.542		
14,900.00	7,730.57	7,443.00	7,293.72	149.26	22.66	46.21	-1,431.27	-581.39	2,434.89	2,373.29	61.60	39.528		
15,000.00	7,730.39	7,443.00	7,293.72	150.88	22.66	46.21	-1,431.27	-581.39	2,338.70	2,276.34	62.37	37.500		
15,100.00	7,730.20	7,482.46	7,330.76	152.52	22.75	47.99	-1,420.44	-573.17	2,241.03	2,178.06	62.97	35.591		
15,200.00	7,730.02	7,487.15	7,335.12	154.20	22.76	48.21	-1,419.20	-572.00	2,145.07	2,081.17	63.90	33.569		
15,300.00	7,729.83	7,492.18	7,339.80	155.90	22.78	48.45	-1,417.86	-570.70	2,049.45	1,984.48	64.97	31.545		
15,400.00	7,729.65	7,497.61	7,344.83	157.63	22.79	48.72	-1,416.44	-569.25	1,954.19	1,888.00	66.19	29.523		
15,500.00	7,729.47	7,537.00	7,380.95	159.39	22.88	50.75	-1,406.46	-557.14	1,860.72	1,793.53	67.19	27.695		
15,600.00	7,729.28	7,537.00	7,380.95	161.18	22.88	50.75	-1,406.46	-557.14	1,765.90	1,697.07	68.83	25.657		
15,700.00	7,729.10	7,537.00	7,380.95	162.99	22.88	50.75	-1,406.46	-557.14	1,671.68	1,600.94	70.73	23.633		
15,800.00	7,728.91	7,537.00	7,380.95	164.82	22.88	50.75	-1,406.46	-557.14	1,578.17	1,505.21	72.96	21.632		
15,900.00	7,728.73	7,537.00	7,380.95	166.68	22.88	50.75	-1,406.46	-557.14	1,485.51	1,409.96	75.55	19.663		
16,000.00	7,728.54	7,537.00	7,380.95	168.56	22.88	50.75	-1,406.46	-557.14	1,393.86	1,315.29	78.57	17.740		
16,100.00	7,728.36	7,537.00	7,380.95	170.46	22.88	50.75	-1,406.46	-557.14	1,303.44	1,221.33	82.11	15.874		
16,200.00	7,728.18	7,537.00	7,380.95	172.39	22.88	50.75	-1,406.46	-557.14	1,214.53	1,128.28	86.25	14.081		
16,300.00	7,727.99	7,581.48	7,420.59	174.33	22.95	53.23	-1,395.30	-540.35	1,125.16	1,035.47	89.69	12.546		
16,400.00	7,727.81	7,597.77	7,434.72	176.30	22.98	54.17	-1,391.09	-533.45	1,038.34	943.68	94.66	10.970		
16,500.00	7,727.62	7,632.00	7,463.72	178.28	23.03	56.22	-1,382.07	-517.65	953.63	853.97	99.65	9.569		
16,600.00	7,727.44	7,632.00	7,463.72	180.29	23.03	56.22	-1,382.07	-517.65	870.49	763.15	107.34	8.110		
16,700.00	7,727.25	7,660.63	7,487.24	182.31	23.07	58.01	-1,374.51	-503.19	790.20	675.36	114.84	6.881		
16,800.00	7,727.07	7,687.35	7,508.65	184.35	23.10	59.76	-1,367.63	-488.77	713.11	589.23	123.88	5.757		
16,837.81	7,727.00	7,698.36	7,517.32	185.12	23.11	60.51	-1,364.84	-482.57	684.93	557.27	127.66	5.365 CC, ES, SF		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
0.00	0.00	16.04	16.04	0.00	0.02	-179.75	-2,008.55	-8.74	2,008.57					
100.00	100.00	109.15	109.14	0.27	0.25	-179.74	-2,008.94	-9.09	2,008.99	2,008.47	0.52	3,895.959		
200.00	200.00	209.69	209.69	0.63	0.60	-179.75	-2,009.43	-8.72	2,009.47	2,008.24	1.23	1,634.925		
300.00	300.00	308.91	308.90	0.99	0.96	-179.77	-2,009.90	-8.22	2,009.94	2,008.00	1.94	1,035.591		
400.00	399.98	412.46	412.45	1.34	1.33	-127.55	-2,010.36	-7.87	2,011.45	2,008.78	2.67	754.054		
500.00	499.84	509.89	509.88	1.70	1.67	-127.62	-2,010.71	-7.31	2,015.01	2,011.63	3.38	597.013		
514.88	514.68	524.95	524.94	1.76	1.73	-127.64	-2,010.78	-7.19	2,015.73	2,012.25	3.48	578.512		
600.00	599.56	612.41	612.40	2.07	2.04	-127.80	-2,011.09	-6.57	2,019.95	2,015.84	4.11	492.019		
700.00	699.28	709.67	709.66	2.44	2.39	-127.98	-2,011.45	-6.02	2,024.93	2,020.11	4.82	420.184		
800.00	799.00	807.05	807.03	2.81	2.74	-128.16	-2,011.91	-5.51	2,030.03	2,024.50	5.54	366.721		
900.00	898.72	902.93	902.91	3.18	3.08	-128.33	-2,012.51	-5.02	2,035.31	2,029.06	6.25	325.759		
1,000.00	998.43	999.21	999.19	3.55	3.43	-128.51	-2,013.30	-4.34	2,040.81	2,033.84	6.96	293.119		
1,100.00	1,098.15	1,099.49	1,099.46	3.93	3.79	-128.69	-2,014.19	-3.71	2,046.38	2,038.69	7.69	266.048		
1,200.00	1,197.87	1,201.90	1,201.86	4.31	4.16	-128.88	-2,015.00	-3.12	2,051.89	2,043.46	8.43	243.425		
1,300.00	1,297.59	1,304.60	1,304.56	4.68	4.52	-129.06	-2,015.66	-2.64	2,057.27	2,048.10	9.17	224.391		
1,400.00	1,397.31	1,403.12	1,403.07	5.06	4.88	-129.23	-2,016.23	-2.25	2,062.59	2,052.70	9.89	208.511		
1,500.00	1,497.03	1,505.62	1,505.58	5.44	5.24	-129.40	-2,016.84	-1.78	2,067.95	2,057.32	10.63	194.534		
1,600.00	1,596.75	1,606.55	1,606.50	5.81	5.61	-129.58	-2,017.28	-1.09	2,073.19	2,061.83	11.36	182.456		
1,700.00	1,696.47	1,703.61	1,703.55	6.19	5.95	-129.76	-2,017.74	-0.24	2,078.49	2,066.41	12.08	172.049		
1,800.00	1,796.19	1,805.05	1,804.99	6.57	6.32	-129.95	-2,018.24	0.85	2,083.84	2,071.02	12.81	162.613		
1,900.00	1,895.90	1,906.22	1,906.15	6.94	6.68	-130.14	-2,018.67	1.80	2,089.12	2,075.57	13.55	154.205		
2,000.00	1,995.62	2,007.47	2,007.40	7.32	7.04	-130.32	-2,019.01	2.61	2,094.34	2,080.06	14.28	146.653		
2,100.00	2,095.34	2,107.03	2,106.96	7.70	7.40	-130.50	-2,019.32	3.43	2,099.56	2,084.55	15.01	139.897		
2,200.00	2,195.06	2,210.83	2,210.75	8.08	7.76	-130.67	-2,019.58	4.08	2,104.73	2,088.98	15.74	133.687		
2,300.00	2,294.78	2,312.93	2,312.85	8.45	8.12	-130.83	-2,019.65	4.11	2,109.69	2,093.22	16.47	128.088		
2,400.00	2,394.50	2,414.04	2,413.96	8.83	8.47	-130.99	-2,019.67	4.13	2,114.63	2,097.44	17.19	123.008		
2,500.00	2,494.22	2,513.36	2,513.29	9.21	8.81	-131.14	-2,019.64	4.14	2,119.53	2,101.63	17.90	118.390		
2,600.00	2,593.94	2,611.61	2,611.53	9.59	9.15	-131.29	-2,019.67	4.15	2,124.51	2,105.89	18.62	114.121		
2,700.00	2,693.65	2,713.46	2,713.38	9.97	9.49	-131.44	-2,019.71	4.11	2,129.50	2,110.17	19.33	110.141		
2,800.00	2,793.37	2,813.47	2,813.39	10.34	9.83	-131.60	-2,019.66	4.09	2,134.43	2,114.39	20.04	106.520		
2,900.00	2,893.09	2,912.34	2,912.27	10.72	10.16	-131.74	-2,019.63	4.06	2,139.39	2,118.65	20.74	103.162		
3,000.00	2,992.81	3,013.78	3,013.70	11.10	10.49	-131.89	-2,019.59	3.99	2,144.35	2,122.90	21.45	99.976		
3,100.00	3,092.53	3,112.34	3,112.26	11.48	10.82	-132.04	-2,019.53	3.89	2,149.30	2,127.15	22.15	97.034		
3,200.00	3,192.25	3,211.62	3,211.54	11.86	11.16	-132.18	-2,019.52	3.78	2,154.31	2,131.46	22.86	94.254		
3,300.00	3,291.97	3,311.53	3,311.46	12.23	11.50	-132.33	-2,019.52	3.67	2,159.35	2,135.78	23.57	91.626		
3,400.00	3,391.69	3,412.47	3,412.39	12.61	11.84	-132.47	-2,019.45	3.62	2,164.34	2,140.06	24.28	89.137		
3,500.00	3,491.41	3,509.91	3,509.83	12.99	12.18	-132.61	-2,019.42	3.59	2,169.39	2,144.40	24.98	86.828		
3,600.00	3,591.12	3,608.96	3,608.88	13.37	12.52	-132.76	-2,019.48	3.81	2,174.55	2,148.85	25.70	84.611		
3,700.00	3,690.84	3,710.30	3,710.22	13.75	12.87	-132.91	-2,019.46	3.91	2,179.64	2,153.21	26.43	82.484		
3,800.00	3,790.56	3,806.64	3,806.56	14.13	13.21	-133.05	-2,019.51	3.81	2,184.80	2,157.67	27.13	80.534		
3,900.00	3,890.28	3,905.23	3,905.15	14.50	13.55	-133.19	-2,019.73	3.73	2,190.14	2,162.30	27.84	78.657		
4,000.00	3,990.00	4,010.13	4,010.05	14.88	13.92	-133.34	-2,019.82	3.71	2,195.38	2,166.79	28.58	76.808		
4,100.00	4,089.72	4,111.26	4,111.18	15.26	14.27	-133.48	-2,019.70	3.67	2,200.41	2,171.11	29.30	75.097		
4,200.00	4,189.44	4,211.44	4,211.36	15.64	14.61	-133.62	-2,019.61	3.49	2,205.47	2,175.46	30.01	73.482		
4,300.00	4,289.16	4,311.97	4,311.89	16.02	14.95	-133.76	-2,019.47	3.31	2,210.50	2,179.77	30.73	71.937		
4,400.00	4,388.87	4,412.81	4,412.73	16.39	15.30	-133.89	-2,019.29	3.21	2,215.51	2,184.06	31.44	70.457		
4,500.00	4,488.59	4,509.19	4,509.12	16.77	15.63	-134.03	-2,019.14	3.21	2,220.56	2,188.42	32.15	69.078		
4,600.00	4,588.31	4,614.33	4,614.25	17.15	16.00	-134.18	-2,018.94	3.35	2,225.61	2,192.73	32.88	67.687		
4,700.00	4,688.03	4,707.00	4,706.92	17.53	16.32	-134.31	-2,018.79	3.51	2,230.70	2,197.13	33.57	66.442		
4,800.00	4,787.75	4,806.91	4,806.83	17.91	16.67	-134.45	-2,018.77	3.61	2,235.95	2,201.66	34.29	65.198		
4,900.00	4,887.47	4,905.73	4,905.65	18.29	17.02	-134.59	-2,018.79	3.56	2,241.22	2,206.21	35.01	64.020		
5,000.00	4,987.19	4,990.00	4,989.92	18.66	17.31	-134.69	-2,018.95	3.28	2,246.68	2,211.01	35.66	62.995		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,100.00	5,086.91	5,085.00	5,084.88	19.04	17.64	-134.77	-2,020.09	1.20	2,252.88	2,216.51	36.36	61.956		
5,200.00	5,186.63	5,156.71	5,156.48	19.42	17.89	-134.77	-2,021.91	-2.47	2,259.95	2,222.98	36.97	61.135		
5,300.00	5,286.34	5,275.58	5,274.85	19.80	18.30	-134.66	-2,025.47	-12.50	2,267.20	2,229.44	37.76	60.040		
5,400.00	5,386.06	5,458.60	5,456.32	20.18	18.93	-134.31	-2,027.83	-35.99	2,272.40	2,233.60	38.80	58.572		
5,500.00	5,485.78	5,566.10	5,562.51	20.56	19.31	-134.04	-2,027.11	-52.76	2,275.18	2,235.63	39.55	57.526		
5,600.00	5,585.50	5,670.44	5,665.19	20.93	19.68	-133.72	-2,026.38	-71.25	2,277.75	2,237.45	40.30	56.520		
5,700.00	5,685.22	5,766.46	5,759.38	21.31	20.03	-133.38	-2,025.82	-89.86	2,280.34	2,239.32	41.03	55.584		
5,800.00	5,784.94	5,856.83	5,847.76	21.69	20.37	-133.03	-2,025.73	-108.75	2,283.34	2,241.60	41.74	54.710		
5,900.00	5,884.66	5,949.08	5,937.45	22.07	20.71	-132.62	-2,026.02	-130.29	2,286.64	2,244.18	42.46	53.853		
6,000.00	5,984.38	6,030.00	6,015.93	22.45	21.03	-132.23	-2,027.12	-149.98	2,290.96	2,247.82	43.15	53.098		
6,100.00	6,084.09	6,073.64	6,058.17	22.83	21.20	-132.02	-2,028.42	-160.88	2,296.85	2,253.18	43.67	52.600		
6,200.00	6,183.81	6,124.00	6,106.67	23.20	21.40	-131.75	-2,030.89	-174.20	2,304.90	2,260.70	44.20	52.150		
6,300.00	6,283.53	6,189.74	6,169.50	23.58	21.67	-131.36	-2,035.31	-193.02	2,314.80	2,270.00	44.80	51.666		
6,400.00	6,383.25	6,256.59	6,232.80	23.96	21.95	-130.93	-2,040.82	-213.81	2,326.27	2,280.86	45.41	51.227		
6,500.00	6,482.97	6,326.47	6,298.64	24.34	22.25	-130.46	-2,047.41	-236.27	2,339.16	2,293.12	46.04	50.812		
6,600.00	6,582.69	6,407.00	6,374.16	24.72	22.61	-129.90	-2,055.85	-262.93	2,353.33	2,306.60	46.73	50.361		
6,700.00	6,682.41	6,482.75	6,444.89	25.09	22.96	-129.36	-2,064.34	-288.66	2,368.51	2,321.11	47.40	49.970		
6,800.00	6,782.13	6,552.90	6,510.02	25.47	23.30	-128.85	-2,072.61	-313.38	2,384.67	2,336.64	48.03	49.645		
6,900.00	6,881.84	6,621.73	6,573.08	25.85	23.64	-128.30	-2,081.49	-339.49	2,402.29	2,353.63	48.66	49.366		
7,000.00	6,981.56	6,698.99	6,643.03	26.23	24.05	-127.65	-2,091.98	-370.56	2,421.11	2,371.75	49.36	49.049		
7,100.00	7,081.28	6,797.93	6,731.54	26.61	24.60	-126.77	-2,105.40	-412.69	2,440.55	2,390.30	50.25	48.568		
7,200.00	7,181.00	6,901.67	6,823.00	26.99	25.21	-125.79	-2,118.77	-459.76	2,460.18	2,408.97	51.21	48.042		
7,222.08	7,203.02	6,925.27	6,843.63	27.07	25.36	-125.56	-2,121.69	-470.86	2,464.53	2,413.09	51.43	47.918		
7,250.00	7,230.81	6,955.27	6,869.75	27.18	25.55	-110.41	-2,125.33	-485.16	2,470.00	2,418.28	51.72	47.759		
7,300.00	7,280.16	6,999.59	6,908.13	27.39	25.83	-99.59	-2,130.59	-506.70	2,479.72	2,427.55	52.17	47.529		
7,350.00	7,328.67	7,039.64	6,942.48	27.61	26.10	-94.50	-2,135.38	-526.73	2,489.40	2,436.79	52.61	47.316		
7,400.00	7,375.96	7,068.00	6,966.60	27.86	26.29	-91.33	-2,138.79	-541.24	2,498.96	2,446.00	52.96	47.183		
7,450.00	7,421.67	7,068.00	6,966.60	28.12	26.29	-89.06	-2,138.79	-541.24	2,508.87	2,455.80	53.07	47.279		
7,500.00	7,465.45	7,068.00	6,966.60	28.40	26.29	-87.16	-2,138.79	-541.24	2,519.23	2,466.05	53.18	47.374		
7,550.00	7,506.97	7,109.71	7,002.57	28.70	26.56	-85.61	-2,145.00	-561.39	2,528.62	2,474.91	53.71	47.079		
7,600.00	7,545.92	7,121.89	7,013.28	29.02	26.64	-84.21	-2,147.25	-566.73	2,538.74	2,484.75	53.99	47.025		
7,650.00	7,582.00	7,568.52	7,439.56	29.37	28.26	-90.10	-2,210.70	-560.54	2,548.89	2,491.92	56.97	44.744		
7,700.00	7,614.93	7,575.74	7,446.12	29.76	28.28	-89.49	-2,211.11	-557.57	2,553.89	2,496.57	57.32	44.555		
7,750.00	7,644.47	7,580.48	7,450.41	30.18	28.29	-88.83	-2,211.38	-555.58	2,559.55	2,501.85	57.69	44.364		
7,800.00	7,670.38	7,582.93	7,452.63	30.64	28.29	-88.09	-2,211.53	-554.54	2,565.83	2,507.74	58.09	44.168		
7,850.00	7,692.48	7,583.29	7,452.96	31.14	28.29	-87.28	-2,211.55	-554.39	2,572.70	2,514.18	58.52	43.964		
7,900.00	7,710.59	7,581.74	7,451.56	31.68	28.29	-86.41	-2,211.46	-555.05	2,580.11	2,521.14	58.97	43.752		
7,950.00	7,724.57	7,578.46	7,448.58	32.27	28.28	-85.48	-2,211.26	-556.43	2,587.98	2,528.53	59.45	43.531		
8,000.00	7,734.32	7,573.60	7,444.18	32.89	28.27	-84.50	-2,210.99	-558.46	2,596.24	2,536.28	59.96	43.300		
8,050.00	7,739.77	7,540.00	7,413.33	33.54	28.21	-82.91	-2,209.27	-571.66	2,605.16	2,544.79	60.37	43.151		
8,085.63	7,741.00	7,540.00	7,413.33	34.02	28.21	-82.29	-2,209.27	-571.66	2,611.27	2,550.49	60.78	42.960		
8,100.00	7,741.05	7,540.00	7,413.33	34.22	28.21	-82.29	-2,209.27	-571.66	2,613.79	2,552.84	60.95	42.882		
8,200.00	7,741.40	7,540.00	7,413.33	35.69	28.21	-82.29	-2,209.27	-571.66	2,633.44	2,571.26	62.19	42.348		
8,300.00	7,741.75	7,540.00	7,413.33	37.30	28.21	-82.29	-2,209.27	-571.66	2,656.71	2,593.22	63.49	41.846		
8,400.00	7,742.10	7,540.00	7,413.33	39.03	28.21	-82.29	-2,209.27	-571.66	2,683.51	2,618.67	64.84	41.388		
8,500.00	7,742.44	7,501.39	7,377.06	40.86	28.12	-81.48	-2,207.49	-584.75	2,713.04	2,646.99	66.05	41.078		
8,600.00	7,742.79	7,490.10	7,366.29	42.79	28.10	-81.25	-2,206.96	-588.09	2,746.04	2,678.66	67.38	40.753		
8,700.00	7,743.14	7,480.18	7,356.77	44.80	28.08	-81.03	-2,206.49	-590.85	2,782.14	2,713.42	68.72	40.485		
8,800.00	7,743.49	7,445.00	7,322.65	46.87	28.00	-80.28	-2,204.81	-599.23	2,821.60	2,751.69	69.91	40.360		
8,900.00	7,743.84	7,445.00	7,322.65	49.01	28.00	-80.28	-2,204.81	-599.23	2,863.40	2,792.15	71.25	40.188		
9,000.00	7,744.19	7,445.00	7,322.65	51.20	28.00	-80.28	-2,204.81	-599.23	2,908.04	2,835.49	72.55	40.081		
9,100.00	7,744.54	7,445.00	7,322.65	53.43	28.00	-80.28	-2,204.81	-599.23	2,955.39	2,881.58	73.82	40.038		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,200.00	7,744.89	7,445.00	7,322.65	55.71	28.00	-80.28	-2,204.81	-599.23	3,005.32	2,930.29	75.03	40.055		
9,300.00	7,745.23	7,445.00	7,322.65	58.02	28.00	-80.28	-2,204.81	-599.23	3,057.71	2,981.52	76.19	40.131		
9,400.00	7,745.58	7,445.00	7,322.65	60.37	28.00	-80.28	-2,204.81	-599.23	3,112.43	3,035.13	77.31	40.261		
9,500.00	7,745.93	7,445.00	7,322.65	62.74	28.00	-80.28	-2,204.81	-599.23	3,169.36	3,091.00	78.37	40.443		
9,600.00	7,746.28	7,414.14	7,292.35	65.14	27.91	-79.61	-2,202.98	-604.78	3,227.99	3,148.78	79.21	40.755		
9,700.00	7,746.63	7,408.96	7,287.24	67.56	27.90	-79.50	-2,202.61	-605.54	3,288.82	3,208.69	80.13	41.041		
9,800.00	7,746.98	7,404.38	7,282.72	70.01	27.89	-79.40	-2,202.27	-606.18	3,351.52	3,270.50	81.02	41.368		
9,900.00	7,747.33	7,400.31	7,278.69	72.47	27.88	-79.31	-2,201.95	-606.71	3,415.98	3,334.12	81.85	41.732		
10,000.00	7,747.67	7,396.66	7,275.09	74.94	27.87	-79.23	-2,201.66	-607.16	3,482.10	3,399.45	82.65	42.132		
10,100.00	7,748.02	7,393.37	7,271.84	77.43	27.86	-79.16	-2,201.39	-607.55	3,549.79	3,466.40	83.40	42.565		
10,200.00	7,748.37	7,390.40	7,268.90	79.94	27.85	-79.09	-2,201.13	-607.88	3,618.98	3,534.87	84.11	43.029		
10,300.00	7,748.72	7,387.70	7,266.22	82.46	27.84	-79.03	-2,200.90	-608.17	3,689.56	3,604.79	84.78	43.522		
10,400.00	7,749.07	7,351.00	7,229.81	84.98	27.74	-78.23	-2,197.21	-610.77	3,762.13	3,676.95	85.17	44.170		
10,500.00	7,749.42	7,351.00	7,229.81	87.52	27.74	-78.23	-2,197.21	-610.77	3,835.22	3,749.44	85.79	44.707		
10,600.00	7,749.77	7,351.00	7,229.81	90.07	27.74	-78.23	-2,197.21	-610.77	3,909.52	3,823.15	86.36	45.268		
10,700.00	7,750.11	7,351.00	7,229.81	92.62	27.74	-78.23	-2,197.21	-610.77	3,984.93	3,898.02	86.91	45.852		
10,800.00	7,750.46	7,351.00	7,229.81	95.19	27.74	-78.23	-2,197.21	-610.77	4,061.41	3,973.98	87.42	46.457		
10,900.00	7,750.81	7,351.00	7,229.81	97.76	27.74	-78.23	-2,197.21	-610.77	4,138.89	4,050.98	87.91	47.082		
11,000.00	7,751.16	7,351.00	7,229.81	100.34	27.74	-78.23	-2,197.21	-610.77	4,217.32	4,128.95	88.37	47.725		
11,100.00	7,751.51	7,351.00	7,229.81	102.92	27.74	-78.23	-2,197.21	-610.77	4,296.64	4,207.84	88.80	48.386		
11,200.00	7,751.86	7,351.00	7,229.81	105.51	27.74	-78.23	-2,197.21	-610.77	4,376.81	4,287.60	89.21	49.062		
11,300.00	7,752.21	7,351.00	7,229.81	108.11	27.74	-78.23	-2,197.21	-610.77	4,457.78	4,368.19	89.60	49.754		
11,400.00	7,752.55	7,351.00	7,229.81	110.70	27.74	-78.23	-2,197.21	-610.77	4,539.51	4,449.55	89.96	50.460		
11,500.00	7,752.90	7,351.00	7,229.81	113.31	27.74	-78.23	-2,197.21	-610.77	4,621.96	4,531.65	90.31	51.180		
11,527.76	7,753.00	7,351.00	7,229.81	114.03	27.74	-78.23	-2,197.21	-610.77	4,644.97	4,554.57	90.40	51.382		
11,550.00	7,753.07	7,351.00	7,229.81	114.61	27.74	-78.81	-2,197.21	-610.77	4,663.21	4,572.73	90.48	51.541		
11,600.00	7,753.18	7,351.00	7,229.81	115.90	27.74	-79.88	-2,197.21	-610.77	4,702.47	4,611.83	90.64	51.878		
11,650.00	7,753.23	7,351.00	7,229.81	117.15	27.74	-80.70	-2,197.21	-610.77	4,739.17	4,648.36	90.81	52.186		
11,700.00	7,753.20	7,351.00	7,229.81	118.36	27.74	-81.35	-2,197.21	-610.77	4,773.08	4,682.11	90.97	52.467		
11,750.00	7,753.11	7,351.00	7,229.81	119.50	27.74	-81.88	-2,197.21	-610.77	4,804.01	4,712.89	91.12	52.724		
11,800.00	7,752.95	7,351.00	7,229.81	120.58	27.74	-82.30	-2,197.21	-610.77	4,831.78	4,740.54	91.24	52.959		
11,850.00	7,752.73	7,351.00	7,229.81	121.58	27.74	-82.65	-2,197.21	-610.77	4,856.23	4,764.90	91.32	53.177		
11,900.00	7,752.44	7,351.00	7,229.81	122.49	27.74	-82.94	-2,197.21	-610.77	4,877.23	4,785.86	91.37	53.380		
11,950.00	7,752.10	7,351.00	7,229.81	123.31	27.74	-83.17	-2,197.21	-610.77	4,894.66	4,803.30	91.37	53.572		
12,000.00	7,751.69	7,351.00	7,229.81	124.03	27.74	-83.36	-2,197.21	-610.77	4,908.44	4,817.13	91.31	53.757		
12,050.00	7,751.22	7,351.00	7,229.81	124.65	27.74	-83.51	-2,197.21	-610.77	4,918.48	4,827.29	91.19	53.936		
12,100.00	7,750.71	7,351.00	7,229.81	125.18	27.74	-83.63	-2,197.21	-610.77	4,924.73	4,833.72	91.01	54.111		
12,150.00	7,750.14	7,351.00	7,229.81	125.62	27.74	-83.71	-2,197.21	-610.77	4,927.17	4,836.41	90.76	54.285		
12,200.00	7,749.53	7,351.00	7,229.81	125.96	27.74	-83.75	-2,197.21	-610.77	4,925.77	4,835.32	90.45	54.458		
12,250.00	7,748.89	7,351.00	7,229.81	126.22	27.74	-83.77	-2,197.21	-610.77	4,920.55	4,830.48	90.07	54.629		
12,300.00	7,748.20	7,351.00	7,229.81	126.41	27.74	-83.74	-2,197.21	-610.77	4,911.53	4,821.90	89.63	54.797		
12,350.00	7,747.49	7,351.00	7,229.81	126.53	27.74	-83.68	-2,197.21	-610.77	4,898.77	4,809.63	89.13	54.961		
12,400.00	7,746.76	7,351.00	7,229.81	126.60	27.74	-83.56	-2,197.21	-610.77	4,882.32	4,793.74	88.58	55.117		
12,450.00	7,746.00	7,351.00	7,229.81	126.62	27.74	-83.40	-2,197.21	-610.77	4,862.28	4,774.29	87.99	55.261		
12,500.00	7,745.23	7,351.00	7,229.81	126.62	27.74	-83.17	-2,197.21	-610.77	4,838.75	4,751.39	87.36	55.388		
12,550.00	7,744.46	7,351.00	7,229.81	126.59	27.74	-82.86	-2,197.21	-610.77	4,811.87	4,725.16	86.71	55.494		
12,600.00	7,743.68	7,351.00	7,229.81	126.55	27.74	-82.46	-2,197.21	-610.77	4,781.78	4,695.74	86.05	55.571		
12,650.00	7,742.91	7,351.00	7,229.81	126.52	27.74	-81.92	-2,197.21	-610.77	4,748.67	4,663.28	85.39	55.614		
12,700.00	7,742.16	7,351.00	7,229.81	126.50	27.74	-81.23	-2,197.21	-610.77	4,712.70	4,627.97	84.74	55.615		
12,750.00	7,741.41	7,351.00	7,229.81	126.51	27.74	-80.30	-2,197.21	-610.77	4,674.11	4,590.00	84.11	55.569		
12,800.00	7,740.69	7,351.00	7,229.81	126.55	27.74	-79.04	-2,197.21	-610.77	4,633.12	4,549.59	83.53	55.468		
12,850.00	7,740.00	7,351.00	7,229.81	126.64	27.74	-77.30	-2,197.21	-610.77	4,589.97	4,506.98	82.99	55.308		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,900.00	7,739.34	7,351.00	7,229.81	126.77	27.74	-74.79	-2,197.21	-610.77	4,544.96	4,462.44	82.51	55.082		
12,950.00	7,738.72	7,351.00	7,229.81	126.95	27.74	-70.94	-2,197.21	-610.77	4,498.35	4,416.25	82.10	54.789		
12,966.03	7,738.53	7,351.00	7,229.81	127.02	27.74	-69.25	-2,197.21	-610.77	4,483.13	4,401.14	81.99	54.680		
13,000.00	7,738.13	7,351.00	7,229.81	127.17	27.74	-69.25	-2,197.21	-610.77	4,450.74	4,368.99	81.75	54.442		
13,100.00	7,736.96	7,351.00	7,229.81	127.65	27.74	-69.25	-2,197.21	-610.77	4,355.55	4,274.50	81.04	53.743		
13,200.00	7,735.78	7,351.00	7,229.81	128.16	27.74	-69.25	-2,197.21	-610.77	4,260.57	4,180.25	80.32	53.043		
13,221.13	7,735.54	7,351.00	7,229.81	128.27	27.74	-69.25	-2,197.21	-610.77	4,240.53	4,160.36	80.17	52.895		
13,250.00	7,735.21	7,351.00	7,229.81	128.44	27.74	-65.61	-2,197.21	-610.77	4,212.96	4,132.99	79.97	52.680		
13,300.00	7,734.68	7,351.00	7,229.81	128.76	27.74	-55.49	-2,197.21	-610.77	4,164.44	4,084.73	79.70	52.250		
13,350.00	7,734.22	7,351.00	7,229.81	129.14	27.74	-35.48	-2,197.21	-610.77	4,115.20	4,035.68	79.52	51.748		
13,400.00	7,733.83	7,351.00	7,229.81	129.57	27.74	0.62	-2,197.21	-610.77	4,065.63	3,986.18	79.45	51.175		
13,450.00	7,733.51	7,351.00	7,229.81	130.04	27.74	35.35	-2,197.21	-610.77	4,016.07	3,936.60	79.47	50.534		
13,500.00	7,733.25	7,351.00	7,229.81	130.54	27.74	54.02	-2,197.21	-610.77	3,966.93	3,887.31	79.61	49.827		
13,550.00	7,733.08	7,351.00	7,229.81	131.06	27.74	63.56	-2,197.21	-610.77	3,918.59	3,838.71	79.88	49.059		
13,582.30	7,733.00	7,351.00	7,229.81	131.41	27.74	67.39	-2,197.21	-610.77	3,887.98	3,807.87	80.11	48.533		
13,600.00	7,732.97	7,351.00	7,229.81	131.60	27.74	67.39	-2,197.21	-610.77	3,871.37	3,791.11	80.26	48.238		
13,700.00	7,732.78	7,351.00	7,229.81	132.71	27.74	67.39	-2,197.21	-610.77	3,777.72	3,696.59	81.12	46.568		
13,800.00	7,732.60	7,351.00	7,229.81	133.86	27.74	67.39	-2,197.21	-610.77	3,684.39	3,602.33	82.07	44.894		
13,900.00	7,732.41	7,391.06	7,269.55	135.06	27.85	69.03	-2,201.19	-607.81	3,590.05	3,506.62	83.43	43.030		
14,000.00	7,732.23	7,392.90	7,271.37	136.31	27.86	69.11	-2,201.35	-607.60	3,497.36	3,412.78	84.58	41.352		
14,100.00	7,732.05	7,394.86	7,273.31	137.59	27.86	69.19	-2,201.51	-607.38	3,405.07	3,319.24	85.82	39.676		
14,200.00	7,731.86	7,396.94	7,275.36	138.92	27.87	69.27	-2,201.68	-607.13	3,313.21	3,226.04	87.18	38.005		
14,300.00	7,731.68	7,399.15	7,277.56	140.29	27.87	69.37	-2,201.86	-606.86	3,221.84	3,133.19	88.65	36.342		
14,400.00	7,731.49	7,401.52	7,279.90	141.69	27.88	69.46	-2,202.05	-606.55	3,130.99	3,040.73	90.25	34.690		
14,500.00	7,731.31	7,404.05	7,282.40	143.14	27.89	69.57	-2,202.24	-606.22	3,040.69	2,948.70	91.99	33.053		
14,600.00	7,731.12	7,406.77	7,285.08	144.62	27.89	69.68	-2,202.45	-605.85	2,951.02	2,857.13	93.88	31.433		
14,700.00	7,730.94	7,445.00	7,322.65	146.13	28.00	71.25	-2,204.81	-599.23	2,863.04	2,766.87	96.17	29.770		
14,800.00	7,730.76	7,445.00	7,322.65	147.68	28.00	71.25	-2,204.81	-599.23	2,774.58	2,676.21	98.37	28.204		
14,900.00	7,730.57	7,445.00	7,322.65	149.26	28.00	71.25	-2,204.81	-599.23	2,686.94	2,586.18	100.76	26.667		
15,000.00	7,730.39	7,445.00	7,322.65	150.88	28.00	71.25	-2,204.81	-599.23	2,600.19	2,496.85	103.34	25.162		
15,100.00	7,730.20	7,445.00	7,322.65	152.52	28.00	71.25	-2,204.81	-599.23	2,514.42	2,408.28	106.13	23.691		
15,200.00	7,730.02	7,445.00	7,322.65	154.20	28.00	71.25	-2,204.81	-599.23	2,429.73	2,320.58	109.15	22.260		
15,300.00	7,729.83	7,445.00	7,322.65	155.90	28.00	71.25	-2,204.81	-599.23	2,346.26	2,233.85	112.41	20.872		
15,400.00	7,729.65	7,445.00	7,322.65	157.63	28.00	71.25	-2,204.81	-599.23	2,264.12	2,148.19	115.93	19.530		
15,500.00	7,729.47	7,445.00	7,322.65	159.39	28.00	71.25	-2,204.81	-599.23	2,183.48	2,063.76	119.72	18.239		
15,600.00	7,729.28	7,445.00	7,322.65	161.18	28.00	71.25	-2,204.81	-599.23	2,104.50	1,980.70	123.79	17.000		
15,700.00	7,729.10	7,445.00	7,322.65	162.99	28.00	71.25	-2,204.81	-599.23	2,027.37	1,899.21	128.16	15.819		
15,800.00	7,728.91	7,445.00	7,322.65	164.82	28.00	71.25	-2,204.81	-599.23	1,952.32	1,819.48	132.84	14.697		
15,900.00	7,728.73	7,445.00	7,322.65	166.68	28.00	71.25	-2,204.81	-599.23	1,879.59	1,741.76	137.83	13.637		
16,000.00	7,728.54	7,445.00	7,322.65	168.56	28.00	71.25	-2,204.81	-599.23	1,809.47	1,666.35	143.13	12.642		
16,100.00	7,728.36	7,484.17	7,360.60	170.46	28.08	72.85	-2,206.68	-589.76	1,740.90	1,591.80	149.10	11.676		
16,200.00	7,728.18	7,493.51	7,369.55	172.39	28.10	73.23	-2,207.12	-587.10	1,676.28	1,521.17	155.10	10.807		
16,300.00	7,727.99	7,504.03	7,379.57	174.33	28.13	73.66	-2,207.62	-583.93	1,615.09	1,453.71	161.38	10.008		
16,400.00	7,727.81	7,540.00	7,413.33	176.30	28.21	75.12	-2,209.27	-571.66	1,558.18	1,390.17	168.01	9.274		
16,500.00	7,727.62	7,540.00	7,413.33	178.28	28.21	75.12	-2,209.27	-571.66	1,504.57	1,329.96	174.61	8.617		
16,600.00	7,727.44	7,540.00	7,413.33	180.29	28.21	75.12	-2,209.27	-571.66	1,455.87	1,274.62	181.25	8.032		
16,700.00	7,727.25	7,540.00	7,413.33	182.31	28.21	75.12	-2,209.27	-571.66	1,412.58	1,224.78	187.81	7.521		
16,800.00	7,727.07	7,579.82	7,449.82	184.35	28.29	76.71	-2,211.34	-555.86	1,373.97	1,179.40	194.58	7.061		
16,837.81	7,727.00	7,587.36	7,456.62	185.12	28.30	77.01	-2,211.79	-552.65	1,360.99	1,164.00	196.99	6.909 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	-2,040.59	-9.29	2,040.62					
100.00	100.00	126.13	126.13	0.27	0.26	-179.73	-2,040.40	-9.50	2,040.44	2,039.91	0.53	3,835.954		
200.00	200.00	230.32	230.32	0.63	0.64	-179.73	-2,039.89	-9.68	2,039.94	2,038.68	1.26	1,615.787		
300.00	300.00	331.19	331.18	0.99	0.99	-179.73	-2,039.31	-9.65	2,039.37	2,037.39	1.98	1,029.873		
328.59	328.59	359.98	359.97	1.09	1.10	-127.49	-2,039.13	-9.60	2,039.28	2,037.10	2.18	933.529		
400.00	399.98	427.82	427.81	1.34	1.34	-127.52	-2,038.78	-9.44	2,039.88	2,037.20	2.68	761.318		
500.00	499.84	527.81	527.81	1.70	1.69	-127.60	-2,038.38	-9.19	2,042.68	2,039.29	3.39	601.858		
514.88	514.68	543.03	543.03	1.76	1.75	-127.62	-2,038.32	-9.16	2,043.27	2,039.77	3.50	583.257		
600.00	599.56	631.69	631.68	2.07	2.06	-127.77	-2,037.83	-8.92	2,046.71	2,042.58	4.13	495.723		
700.00	699.28	732.31	732.30	2.44	2.42	-127.95	-2,037.15	-8.51	2,050.64	2,045.79	4.85	422.471		
800.00	799.00	829.12	829.10	2.81	2.77	-128.12	-2,036.55	-7.97	2,054.65	2,049.08	5.57	369.108		
900.00	898.72	929.25	929.23	3.18	3.12	-128.30	-2,036.00	-7.36	2,058.75	2,052.46	6.29	327.198		
1,000.00	998.43	1,027.08	1,027.06	3.55	3.47	-128.48	-2,035.49	-6.71	2,062.90	2,055.89	7.01	294.274		
1,100.00	1,098.15	1,125.84	1,125.81	3.93	3.82	-128.66	-2,035.04	-6.02	2,067.13	2,059.40	7.73	267.352		
1,200.00	1,197.87	1,224.31	1,224.28	4.31	4.17	-128.84	-2,034.67	-5.49	2,071.46	2,063.01	8.45	245.040		
1,300.00	1,297.59	1,327.85	1,327.82	4.68	4.54	-129.02	-2,034.17	-4.91	2,075.71	2,066.51	9.19	225.752		
1,400.00	1,397.31	1,426.94	1,426.90	5.06	4.90	-129.19	-2,033.62	-4.36	2,079.91	2,069.99	9.92	209.663		
1,500.00	1,497.03	1,526.20	1,526.17	5.44	5.25	-129.37	-2,033.13	-3.72	2,084.18	2,073.54	10.65	195.765		
1,600.00	1,596.75	1,625.92	1,625.88	5.81	5.61	-129.55	-2,032.59	-2.81	2,088.44	2,077.07	11.37	183.621		
1,700.00	1,696.47	1,725.37	1,725.32	6.19	5.96	-129.74	-2,032.11	-1.78	2,092.78	2,080.68	12.10	172.960		
1,800.00	1,796.19	1,825.95	1,825.90	6.57	6.32	-129.92	-2,031.56	-0.89	2,097.08	2,084.25	12.83	163.444		
1,900.00	1,895.90	1,922.08	1,922.02	6.94	6.67	-130.10	-2,031.09	0.04	2,101.45	2,087.91	13.54	155.148		
2,000.00	1,995.62	2,021.41	2,021.34	7.32	7.02	-130.28	-2,030.78	0.92	2,106.02	2,091.75	14.27	147.580		
2,100.00	2,095.34	2,125.01	2,124.94	7.70	7.39	-130.46	-2,030.32	1.68	2,110.48	2,095.46	15.01	140.581		
2,200.00	2,195.06	2,220.99	2,220.92	8.08	7.74	-130.63	-2,029.82	2.35	2,114.87	2,099.14	15.73	134.475		
2,300.00	2,294.78	2,299.80	2,299.72	8.45	8.01	-130.76	-2,029.85	2.89	2,119.86	2,103.50	16.37	129.511		
2,400.00	2,394.50	2,375.76	2,375.67	8.83	8.26	-130.84	-2,030.89	1.49	2,126.02	2,109.03	16.99	125.143		
2,500.00	2,494.22	2,457.39	2,457.21	9.21	8.53	-130.89	-2,032.90	-1.42	2,133.17	2,115.55	17.62	121.054		
2,600.00	2,593.94	2,549.87	2,549.57	9.59	8.84	-130.92	-2,035.72	-5.31	2,140.89	2,122.60	18.30	117.020		
2,700.00	2,693.65	2,647.21	2,646.74	9.97	9.16	-130.94	-2,038.94	-9.89	2,148.85	2,129.86	18.99	113.163		
2,800.00	2,793.37	2,768.26	2,767.67	10.34	9.56	-131.01	-2,042.60	-13.99	2,156.63	2,136.86	19.77	109.064		
2,900.00	2,893.09	2,911.58	2,910.98	10.72	10.05	-131.21	-2,043.94	-14.23	2,162.44	2,141.79	20.64	104.761		
3,000.00	2,992.81	3,013.34	3,012.74	11.10	10.40	-131.36	-2,043.94	-14.29	2,167.38	2,146.01	21.37	101.439		
3,100.00	3,092.53	3,112.17	3,111.57	11.48	10.75	-131.51	-2,043.93	-14.31	2,172.34	2,150.25	22.08	98.383		
3,200.00	3,192.25	3,213.83	3,213.23	11.86	11.10	-131.66	-2,043.86	-14.33	2,177.25	2,154.44	22.80	95.475		
3,300.00	3,291.97	3,312.23	3,311.63	12.23	11.44	-131.80	-2,043.85	-14.39	2,182.23	2,158.71	23.52	92.797		
3,400.00	3,391.69	3,415.52	3,414.92	12.61	11.80	-131.95	-2,043.66	-14.50	2,187.04	2,162.80	24.25	90.204		
3,500.00	3,491.41	3,510.02	3,509.42	12.99	12.12	-132.08	-2,043.63	-14.67	2,192.03	2,167.08	24.94	87.885		
3,600.00	3,591.12	3,612.82	3,612.22	13.37	12.48	-132.23	-2,043.66	-14.70	2,197.09	2,171.43	25.67	85.597		
3,700.00	3,690.84	3,712.48	3,711.87	13.75	12.83	-132.38	-2,043.46	-14.78	2,201.94	2,175.55	26.38	83.455		
3,800.00	3,790.56	3,807.17	3,806.57	14.13	13.15	-132.51	-2,043.55	-14.82	2,207.09	2,180.01	27.08	81.502		
3,900.00	3,890.28	3,909.59	3,908.99	14.50	13.50	-132.66	-2,043.64	-14.85	2,212.26	2,184.45	27.80	79.568		
4,000.00	3,990.00	4,010.13	4,009.53	14.88	13.85	-132.80	-2,043.61	-14.87	2,217.32	2,188.79	28.52	77.733		
4,100.00	4,089.72	4,111.18	4,110.58	15.26	14.21	-132.94	-2,043.58	-14.83	2,222.39	2,193.14	29.25	75.977		
4,200.00	4,189.44	4,211.60	4,210.99	15.64	14.56	-133.08	-2,043.47	-14.90	2,227.40	2,197.42	29.97	74.312		
4,300.00	4,289.16	4,312.54	4,311.94	16.02	14.91	-133.22	-2,043.35	-15.13	2,232.39	2,201.70	30.70	72.724		
4,400.00	4,388.87	4,415.27	4,414.66	16.39	15.27	-133.36	-2,043.14	-15.40	2,237.31	2,205.88	31.43	71.190		
4,500.00	4,488.59	4,508.95	4,508.35	16.77	15.60	-133.48	-2,042.99	-15.63	2,242.28	2,210.16	32.12	69.804		
4,600.00	4,588.31	4,612.07	4,611.46	17.15	15.96	-133.62	-2,042.91	-15.80	2,247.36	2,214.51	32.85	68.404		
4,700.00	4,688.03	4,706.00	4,705.40	17.53	16.29	-133.75	-2,042.85	-15.81	2,252.48	2,218.93	33.55	67.137		
4,800.00	4,787.75	4,801.00	4,800.39	17.91	16.62	-133.87	-2,043.03	-16.09	2,257.83	2,223.59	34.25	65.929		
4,900.00	4,887.47	4,882.02	4,881.39	18.29	16.90	-133.95	-2,043.75	-17.61	2,263.72	2,228.83	34.89	64.884		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,000.00	4,987.19	4,961.73	4,961.01	18.66	17.17	-133.96	-2,045.38	-21.11	2,270.47	2,234.95	35.53	63.911		
5,100.00	5,086.91	5,036.54	5,035.62	19.04	17.43	-133.93	-2,047.79	-26.05	2,278.18	2,242.04	36.14	63.037		
5,200.00	5,186.63	5,116.47	5,115.20	19.42	17.71	-133.87	-2,051.44	-32.47	2,287.02	2,250.24	36.77	62.190		
5,300.00	5,286.34	5,199.82	5,198.09	19.80	18.00	-133.78	-2,055.71	-40.12	2,296.34	2,258.92	37.42	61.361		
5,400.00	5,386.06	5,273.00	5,270.64	20.18	18.26	-133.67	-2,060.78	-48.19	2,307.13	2,269.11	38.02	60.675		
5,500.00	5,485.78	5,326.40	5,323.38	20.56	18.45	-133.55	-2,065.42	-55.15	2,319.38	2,280.86	38.53	60.203		
5,600.00	5,585.50	5,399.60	5,395.34	20.93	18.72	-133.35	-2,072.76	-66.41	2,332.98	2,293.86	39.12	59.636		
5,700.00	5,685.22	5,481.61	5,475.45	21.31	19.02	-133.07	-2,081.90	-81.34	2,347.49	2,307.73	39.76	59.040		
5,800.00	5,784.94	5,575.77	5,567.07	21.69	19.37	-132.71	-2,092.89	-100.07	2,362.50	2,322.03	40.47	58.374		
5,900.00	5,884.66	5,680.00	5,668.36	22.07	19.77	-132.30	-2,105.01	-121.50	2,377.52	2,336.27	41.25	57.643		
6,000.00	5,984.38	5,780.15	5,765.54	22.45	20.16	-131.90	-2,116.43	-142.80	2,392.38	2,350.37	42.00	56.956		
6,100.00	6,084.09	5,864.08	5,846.70	22.83	20.50	-131.53	-2,126.22	-161.85	2,407.55	2,364.87	42.68	56.413		
6,200.00	6,183.81	5,934.00	5,914.06	23.20	20.79	-131.22	-2,135.06	-178.36	2,423.76	2,380.49	43.27	56.015		
6,300.00	6,283.53	5,984.95	5,962.97	23.58	21.00	-130.98	-2,142.27	-190.65	2,441.57	2,397.83	43.74	55.819		
6,400.00	6,383.25	6,029.00	6,005.11	23.96	21.19	-130.77	-2,149.27	-201.42	2,461.35	2,417.20	44.15	55.748		
6,500.00	6,482.97	6,080.73	6,054.39	24.34	21.42	-130.52	-2,158.48	-214.16	2,483.12	2,438.52	44.60	55.675		
6,600.00	6,582.69	6,123.00	6,094.49	24.72	21.60	-130.32	-2,166.87	-224.58	2,506.99	2,462.02	44.97	55.751		
6,700.00	6,682.41	6,171.47	6,140.15	25.09	21.82	-130.08	-2,177.42	-236.92	2,532.86	2,487.50	45.37	55.828		
6,800.00	6,782.13	6,217.00	6,182.64	25.47	22.03	-129.84	-2,188.23	-249.20	2,560.74	2,515.01	45.73	55.993		
6,900.00	6,881.84	6,278.24	6,239.30	25.85	22.32	-129.50	-2,203.67	-266.57	2,590.27	2,544.04	46.22	56.040		
7,000.00	6,981.56	6,348.93	6,304.21	26.23	22.67	-129.09	-2,222.21	-287.54	2,621.01	2,574.22	46.79	56.020		
7,100.00	7,081.28	6,432.76	6,380.85	26.61	23.10	-128.60	-2,244.56	-313.13	2,652.44	2,604.97	47.47	55.877		
7,200.00	7,181.00	6,519.86	6,460.12	26.99	23.56	-128.08	-2,267.84	-340.71	2,684.24	2,636.05	48.19	55.703		
7,222.08	7,203.02	6,536.84	6,475.51	27.07	23.65	-127.97	-2,272.40	-346.26	2,691.33	2,643.00	48.33	55.687		
7,250.00	7,230.81	6,558.37	6,494.97	27.18	23.77	-112.59	-2,278.19	-353.42	2,700.35	2,651.84	48.51	55.665		
7,300.00	7,280.16	6,599.48	6,531.99	27.39	24.00	-101.22	-2,289.31	-367.42	2,716.64	2,667.77	48.87	55.587		
7,350.00	7,328.67	6,674.58	6,599.20	27.61	24.44	-95.48	-2,309.18	-394.37	2,732.60	2,683.03	49.57	55.128		
7,400.00	7,375.96	6,720.57	6,640.10	27.86	24.71	-91.76	-2,320.99	-411.77	2,748.03	2,698.00	50.03	54.929		
7,450.00	7,421.67	6,759.60	6,674.61	28.12	24.95	-88.93	-2,331.09	-426.98	2,763.22	2,712.77	50.45	54.770		
7,500.00	7,465.45	6,806.77	6,716.08	28.40	25.25	-86.66	-2,343.35	-445.81	2,778.03	2,727.05	50.98	54.495		
7,550.00	7,506.97	6,867.28	6,769.38	28.70	25.63	-84.87	-2,358.89	-469.86	2,792.11	2,740.44	51.67	54.042		
7,600.00	7,545.92	6,910.20	6,807.26	29.02	25.91	-83.32	-2,369.83	-486.83	2,805.43	2,753.21	52.22	53.718		
7,650.00	7,582.00	6,948.46	6,840.97	29.37	26.16	-81.98	-2,379.66	-502.00	2,818.18	2,765.40	52.78	53.395		
7,700.00	7,614.93	6,989.80	6,877.35	29.76	26.43	-80.89	-2,390.36	-518.47	2,830.31	2,776.90	53.41	52.992		
7,750.00	7,644.47	7,036.82	6,918.73	30.18	26.75	-80.05	-2,402.48	-537.24	2,841.68	2,787.53	54.15	52.480		
7,800.00	7,670.38	7,067.00	6,945.29	30.64	26.95	-79.20	-2,410.20	-549.29	2,852.31	2,797.54	54.77	52.076		
7,850.00	7,692.48	7,091.63	6,967.03	31.14	27.12	-78.40	-2,416.61	-558.96	2,862.41	2,807.02	55.39	51.676		
7,900.00	7,710.59	7,108.04	6,981.55	31.68	27.23	-77.60	-2,421.00	-565.19	2,872.09	2,816.10	55.98	51.303		
7,950.00	7,724.57	7,122.52	6,994.41	32.27	27.32	-76.86	-2,424.96	-570.55	2,881.31	2,824.71	56.61	50.901		
8,000.00	7,734.32	7,135.02	7,005.53	32.89	27.41	-76.17	-2,428.43	-575.08	2,890.08	2,832.83	57.26	50.476		
8,050.00	7,739.77	7,161.00	7,028.71	33.54	27.58	-75.81	-2,435.84	-584.18	2,898.47	2,840.38	58.09	49.895		
8,085.63	7,741.00	7,161.00	7,028.71	34.02	27.58	-75.27	-2,435.84	-584.18	2,904.03	2,845.51	58.52	49.628		
8,100.00	7,741.05	7,161.00	7,028.71	34.22	27.58	-75.27	-2,435.84	-584.18	2,906.26	2,847.57	58.69	49.517		
8,200.00	7,741.40	7,161.00	7,028.71	35.69	27.58	-75.27	-2,435.84	-584.18	2,923.71	2,863.73	59.98	48.749		
8,300.00	7,741.75	7,161.00	7,028.71	37.30	27.58	-75.27	-2,435.84	-584.18	2,944.45	2,883.11	61.34	48.001		
8,400.00	7,742.10	7,161.00	7,028.71	39.03	27.58	-75.27	-2,435.84	-584.18	2,968.42	2,905.65	62.77	47.292		
8,500.00	7,742.44	7,161.00	7,028.71	40.86	27.58	-75.27	-2,435.84	-584.18	2,995.54	2,931.30	64.23	46.636		
8,600.00	7,742.79	7,161.00	7,028.71	42.79	27.58	-75.27	-2,435.84	-584.18	3,025.72	2,960.00	65.72	46.041		
8,700.00	7,743.14	7,199.17	7,063.05	44.80	27.82	-75.99	-2,447.54	-596.00	3,057.69	2,990.04	67.65	45.195		
8,800.00	7,743.49	7,204.50	7,067.88	46.87	27.85	-76.09	-2,449.28	-597.45	3,093.33	3,024.12	69.21	44.693		
8,900.00	7,743.84	7,209.47	7,072.39	49.01	27.88	-76.19	-2,450.92	-598.75	3,131.72	3,060.97	70.75	44.264		
9,000.00	7,744.19	7,214.12	7,076.61	51.20	27.91	-76.28	-2,452.47	-599.93	3,172.76	3,100.50	72.26	43.908		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,100.00	7,744.54	7,255.00	7,113.85	53.43	28.16	-77.07	-2,466.86	-608.67	3,217.52	3,143.34	74.18	43.373		
9,200.00	7,744.89	7,255.00	7,113.85	55.71	28.16	-77.07	-2,466.86	-608.67	3,263.33	3,187.76	75.57	43.183		
9,300.00	7,745.23	7,255.00	7,113.85	58.02	28.16	-77.07	-2,466.86	-608.67	3,311.53	3,234.61	76.91	43.056		
9,400.00	7,745.58	7,255.00	7,113.85	60.37	28.16	-77.07	-2,466.86	-608.67	3,362.01	3,283.80	78.21	42.989		
9,500.00	7,745.93	7,255.00	7,113.85	62.74	28.16	-77.07	-2,466.86	-608.67	3,414.67	3,335.22	79.45	42.978		
9,600.00	7,746.28	7,255.00	7,113.85	65.14	28.16	-77.07	-2,466.86	-608.67	3,469.42	3,388.77	80.64	43.021		
9,700.00	7,746.63	7,255.00	7,113.85	67.56	28.16	-77.07	-2,466.86	-608.67	3,526.15	3,444.36	81.79	43.114		
9,800.00	7,746.98	7,255.00	7,113.85	70.01	28.16	-77.07	-2,466.86	-608.67	3,584.78	3,501.90	82.88	43.254		
9,900.00	7,747.33	7,255.00	7,113.85	72.47	28.16	-77.07	-2,466.86	-608.67	3,645.20	3,561.28	83.92	43.438		
10,000.00	7,747.67	7,255.00	7,113.85	74.94	28.16	-77.07	-2,466.86	-608.67	3,707.34	3,622.43	84.91	43.663		
10,100.00	7,748.02	7,255.00	7,113.85	77.43	28.16	-77.07	-2,466.86	-608.67	3,771.11	3,685.26	85.85	43.926		
10,200.00	7,748.37	7,255.00	7,113.85	79.94	28.16	-77.07	-2,466.86	-608.67	3,836.42	3,749.68	86.75	44.225		
10,300.00	7,748.72	7,255.00	7,113.85	82.46	28.16	-77.07	-2,466.86	-608.67	3,903.21	3,815.61	87.60	44.557		
10,400.00	7,749.07	7,255.00	7,113.85	84.98	28.16	-77.07	-2,466.86	-608.67	3,971.39	3,882.98	88.41	44.921		
10,500.00	7,749.42	7,255.00	7,113.85	87.52	28.16	-77.07	-2,466.86	-608.67	4,040.89	3,951.72	89.18	45.314		
10,600.00	7,749.77	7,255.00	7,113.85	90.07	28.16	-77.07	-2,466.86	-608.67	4,111.65	4,021.75	89.90	45.734		
10,700.00	7,750.11	7,255.00	7,113.85	92.62	28.16	-77.07	-2,466.86	-608.67	4,183.61	4,093.01	90.59	46.180		
10,800.00	7,750.46	7,255.00	7,113.85	95.19	28.16	-77.07	-2,466.86	-608.67	4,256.69	4,165.45	91.25	46.649		
10,900.00	7,750.81	7,255.00	7,113.85	97.76	28.16	-77.07	-2,466.86	-608.67	4,330.86	4,238.99	91.87	47.141		
11,000.00	7,751.16	7,255.00	7,113.85	100.34	28.16	-77.07	-2,466.86	-608.67	4,406.04	4,313.58	92.46	47.654		
11,100.00	7,751.51	7,255.00	7,113.85	102.92	28.16	-77.07	-2,466.86	-608.67	4,482.20	4,389.18	93.02	48.186		
11,200.00	7,751.86	7,255.00	7,113.85	105.51	28.16	-77.07	-2,466.86	-608.67	4,559.27	4,465.73	93.55	48.737		
11,300.00	7,752.21	7,255.00	7,113.85	108.11	28.16	-77.07	-2,466.86	-608.67	4,637.23	4,543.17	94.05	49.305		
11,400.00	7,752.55	7,255.00	7,113.85	110.70	28.16	-77.07	-2,466.86	-608.67	4,716.01	4,621.48	94.53	49.889		
11,500.00	7,752.90	7,255.00	7,113.85	113.31	28.16	-77.07	-2,466.86	-608.67	4,795.58	4,700.60	94.98	50.488		
11,527.76	7,753.00	7,255.00	7,113.85	114.03	28.16	-77.07	-2,466.86	-608.67	4,817.81	4,722.70	95.11	50.657		
11,550.00	7,753.07	7,255.00	7,113.85	114.61	28.16	-77.64	-2,466.86	-608.67	4,835.40	4,740.20	95.20	50.790		
11,600.00	7,753.18	7,255.00	7,113.85	115.90	28.16	-78.73	-2,466.86	-608.67	4,873.13	4,777.71	95.43	51.067		
11,650.00	7,753.23	7,255.00	7,113.85	117.15	28.16	-79.57	-2,466.86	-608.67	4,908.16	4,812.51	95.65	51.314		
11,700.00	7,753.20	7,255.00	7,113.85	118.36	28.16	-80.25	-2,466.86	-608.67	4,940.29	4,844.43	95.87	51.533		
11,750.00	7,753.11	7,255.00	7,113.85	119.50	28.16	-80.79	-2,466.86	-608.67	4,969.33	4,873.26	96.07	51.727		
11,800.00	7,752.95	7,255.00	7,113.85	120.58	28.16	-81.23	-2,466.86	-608.67	4,995.11	4,898.87	96.24	51.900		
11,850.00	7,752.73	7,255.00	7,113.85	121.58	28.16	-81.59	-2,466.86	-608.67	5,017.49	4,921.10	96.39	52.055		
11,900.00	7,752.44	7,255.00	7,113.85	122.49	28.16	-81.88	-2,466.86	-608.67	5,036.35	4,939.86	96.49	52.195		
11,950.00	7,752.10	7,255.00	7,113.85	123.31	28.16	-82.12	-2,466.86	-608.67	5,051.58	4,955.03	96.54	52.324		
12,000.00	7,751.69	7,255.00	7,113.85	124.03	28.16	-82.30	-2,466.86	-608.67	5,063.09	4,966.55	96.54	52.445		
12,050.00	7,751.22	7,255.00	7,113.85	124.65	28.16	-82.44	-2,466.86	-608.67	5,070.84	4,974.36	96.48	52.560		
12,100.00	7,750.71	7,255.00	7,113.85	125.18	28.16	-82.54	-2,466.86	-608.67	5,074.77	4,978.42	96.35	52.670		
12,150.00	7,750.14	7,255.00	7,113.85	125.62	28.16	-82.60	-2,466.86	-608.67	5,074.86	4,978.71	96.15	52.778		
12,200.00	7,749.53	7,299.35	7,154.61	125.96	28.38	-83.08	-2,483.27	-614.55	5,069.23	4,972.67	96.56	52.496		
12,250.00	7,748.89	7,301.22	7,156.34	126.22	28.39	-83.08	-2,483.97	-614.72	5,061.50	4,965.24	96.26	52.580		
12,300.00	7,748.20	7,303.09	7,158.07	126.41	28.40	-83.03	-2,484.66	-614.87	5,049.99	4,954.09	95.90	52.658		
12,350.00	7,747.49	7,304.95	7,159.79	126.53	28.41	-82.94	-2,485.35	-615.01	5,034.76	4,939.28	95.48	52.731		
12,400.00	7,746.76	7,306.80	7,161.50	126.60	28.42	-82.79	-2,486.04	-615.15	5,015.88	4,920.88	95.01	52.796		
12,450.00	7,746.00	7,350.00	7,201.58	126.62	28.64	-83.07	-2,502.08	-616.40	4,995.16	4,900.07	95.08	52.535		
12,500.00	7,745.23	7,350.00	7,201.58	126.62	28.64	-82.78	-2,502.08	-616.40	4,969.20	4,874.69	94.51	52.580		
12,550.00	7,744.46	7,350.00	7,201.58	126.59	28.64	-82.40	-2,502.08	-616.40	4,939.98	4,846.08	93.91	52.605		
12,600.00	7,743.68	7,350.00	7,201.58	126.55	28.64	-81.90	-2,502.08	-616.40	4,907.68	4,814.38	93.30	52.604		
12,650.00	7,742.91	7,350.00	7,201.58	126.52	28.64	-81.24	-2,502.08	-616.40	4,872.47	4,779.78	92.68	52.570		
12,700.00	7,742.16	7,350.00	7,201.58	126.50	28.64	-80.36	-2,502.08	-616.40	4,834.56	4,742.47	92.09	52.500		
12,750.00	7,741.41	7,350.00	7,201.58	126.51	28.64	-79.19	-2,502.08	-616.40	4,794.18	4,702.66	91.52	52.387		
12,800.00	7,740.69	7,350.00	7,201.58	126.55	28.64	-77.58	-2,502.08	-616.40	4,751.58	4,660.60	90.98	52.225		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,850.00	7,740.00	7,350.00	7,201.58	126.64	28.64	-75.27	-2,502.08	-616.40	4,707.03	4,616.53	90.50	52.012		
12,900.00	7,739.34	7,350.00	7,201.58	126.77	28.64	-71.81	-2,502.08	-616.40	4,660.81	4,570.73	90.08	51.741		
12,950.00	7,738.72	7,350.00	7,201.58	126.95	28.64	-66.18	-2,502.08	-616.40	4,613.24	4,523.51	89.73	51.412		
12,966.03	7,738.53	7,350.00	7,201.58	127.02	28.64	-63.60	-2,502.08	-616.40	4,597.76	4,508.12	89.64	51.293		
13,000.00	7,738.13	7,350.00	7,201.58	127.17	28.64	-63.60	-2,502.08	-616.40	4,564.84	4,475.39	89.44	51.036		
13,100.00	7,736.96	7,350.00	7,201.58	127.65	28.64	-63.60	-2,502.08	-616.40	4,468.04	4,379.17	88.86	50.279		
13,200.00	7,735.78	7,350.00	7,201.58	128.16	28.64	-63.60	-2,502.08	-616.40	4,371.38	4,283.11	88.27	49.524		
13,221.13	7,735.54	7,350.00	7,201.58	128.27	28.64	-63.60	-2,502.08	-616.40	4,350.97	4,262.83	88.14	49.365		
13,250.00	7,735.21	7,350.00	7,201.58	128.44	28.64	-57.78	-2,502.08	-616.40	4,322.95	4,234.97	87.98	49.136		
13,300.00	7,734.68	7,350.00	7,201.58	128.76	28.64	-40.44	-2,502.08	-616.40	4,273.84	4,186.06	87.78	48.690		
13,350.00	7,734.22	7,350.00	7,201.58	129.14	28.64	-7.53	-2,502.08	-616.40	4,224.31	4,136.63	87.68	48.181		
13,400.00	7,733.83	7,350.00	7,201.58	129.57	28.64	29.48	-2,502.08	-616.40	4,174.72	4,087.04	87.68	47.611		
13,450.00	7,733.51	7,350.00	7,201.58	130.04	28.64	50.99	-2,502.08	-616.40	4,125.47	4,037.66	87.81	46.983		
13,500.00	7,733.25	7,350.00	7,201.58	130.54	28.64	61.87	-2,502.08	-616.40	4,076.94	3,988.89	88.05	46.300		
13,550.00	7,733.08	7,350.00	7,201.58	131.06	28.64	67.96	-2,502.08	-616.40	4,029.54	3,941.11	88.43	45.567		
13,582.30	7,733.00	7,350.00	7,201.58	131.41	28.64	70.58	-2,502.08	-616.40	3,999.71	3,910.96	88.74	45.070		
13,600.00	7,732.97	7,350.00	7,201.58	131.60	28.64	70.58	-2,502.08	-616.40	3,983.56	3,894.63	88.93	44.792		
13,700.00	7,732.78	7,350.00	7,201.58	132.71	28.64	70.58	-2,502.08	-616.40	3,892.59	3,802.54	90.06	43.224		
13,800.00	7,732.60	7,350.00	7,201.58	133.86	28.64	70.58	-2,502.08	-616.40	3,802.08	3,710.81	91.27	41.658		
13,900.00	7,732.41	7,350.00	7,201.58	135.06	28.64	70.58	-2,502.08	-616.40	3,712.05	3,619.47	92.58	40.097		
14,000.00	7,732.23	7,350.00	7,201.58	136.31	28.64	70.58	-2,502.08	-616.40	3,622.55	3,528.56	93.99	38.543		
14,100.00	7,732.05	7,350.00	7,201.58	137.59	28.64	70.58	-2,502.08	-616.40	3,533.60	3,438.10	95.51	36.998		
14,200.00	7,731.86	7,350.00	7,201.58	138.92	28.64	70.58	-2,502.08	-616.40	3,445.27	3,348.13	97.14	35.466		
14,300.00	7,731.68	7,350.00	7,201.58	140.29	28.64	70.58	-2,502.08	-616.40	3,357.59	3,258.69	98.90	33.949		
14,400.00	7,731.49	7,350.00	7,201.58	141.69	28.64	70.58	-2,502.08	-616.40	3,270.62	3,169.83	100.79	32.450		
14,500.00	7,731.31	7,350.00	7,201.58	143.14	28.64	70.58	-2,502.08	-616.40	3,184.41	3,081.59	102.82	30.972		
14,600.00	7,731.12	7,350.00	7,201.58	144.62	28.64	70.58	-2,502.08	-616.40	3,099.03	2,994.04	104.99	29.517		
14,700.00	7,730.94	7,350.00	7,201.58	146.13	28.64	70.58	-2,502.08	-616.40	3,014.55	2,907.23	107.32	28.090		
14,800.00	7,730.76	7,350.00	7,201.58	147.68	28.64	70.58	-2,502.08	-616.40	2,931.05	2,821.23	109.81	26.692		
14,900.00	7,730.57	7,350.00	7,201.58	149.26	28.64	70.58	-2,502.08	-616.40	2,848.60	2,736.13	112.48	25.326		
15,000.00	7,730.39	7,350.00	7,201.58	150.88	28.64	70.58	-2,502.08	-616.40	2,767.32	2,652.00	115.32	23.997		
15,100.00	7,730.20	7,350.00	7,201.58	152.52	28.64	70.58	-2,502.08	-616.40	2,687.30	2,568.95	118.35	22.705		
15,200.00	7,730.02	7,350.00	7,201.58	154.20	28.64	70.58	-2,502.08	-616.40	2,608.66	2,487.08	121.58	21.456		
15,300.00	7,729.83	7,350.00	7,201.58	155.90	28.64	70.58	-2,502.08	-616.40	2,531.53	2,406.51	125.02	20.249		
15,400.00	7,729.65	7,350.00	7,201.58	157.63	28.64	70.58	-2,502.08	-616.40	2,456.05	2,327.39	128.66	19.090		
15,500.00	7,729.47	7,350.00	7,201.58	159.39	28.64	70.58	-2,502.08	-616.40	2,382.37	2,249.86	132.51	17.979		
15,600.00	7,729.28	7,350.00	7,201.58	161.18	28.64	70.58	-2,502.08	-616.40	2,310.67	2,174.10	136.58	16.918		
15,700.00	7,729.10	7,350.00	7,201.58	162.99	28.64	70.58	-2,502.08	-616.40	2,241.15	2,100.29	140.85	15.911		
15,800.00	7,728.91	7,350.00	7,201.58	164.82	28.64	70.58	-2,502.08	-616.40	2,174.00	2,028.66	145.34	14.958		
15,900.00	7,728.73	7,350.00	7,201.58	166.68	28.64	70.58	-2,502.08	-616.40	2,109.45	1,959.44	150.01	14.062		
16,000.00	7,728.54	7,350.00	7,201.58	168.56	28.64	70.58	-2,502.08	-616.40	2,047.76	1,892.89	154.87	13.223		
16,100.00	7,728.36	7,350.00	7,201.58	170.46	28.64	70.58	-2,502.08	-616.40	1,989.18	1,829.30	159.87	12.442		
16,200.00	7,728.18	7,350.00	7,201.58	172.39	28.64	70.58	-2,502.08	-616.40	1,934.00	1,769.00	165.00	11.721		
16,300.00	7,727.99	7,319.10	7,172.90	174.33	28.48	69.50	-2,490.61	-615.89	1,881.82	1,712.76	169.05	11.132		
16,400.00	7,727.81	7,317.46	7,171.38	176.30	28.47	69.44	-2,490.00	-615.81	1,834.31	1,660.12	174.18	10.531		
16,500.00	7,727.62	7,315.53	7,169.59	178.28	28.47	69.38	-2,489.28	-615.71	1,791.12	1,611.86	179.26	9.992		
16,600.00	7,727.44	7,313.25	7,167.48	180.29	28.45	69.30	-2,488.44	-615.58	1,752.58	1,568.36	184.22	9.514		
16,700.00	7,727.25	7,310.49	7,164.92	182.31	28.44	69.20	-2,487.41	-615.41	1,718.99	1,530.03	188.95	9.097		
16,800.00	7,727.07	7,307.09	7,161.77	184.35	28.42	69.08	-2,486.15	-615.17	1,690.64	1,497.25	193.39	8.742		
16,837.81	7,727.00	7,305.59	7,160.38	185.12	28.42	69.03	-2,485.59	-615.06	1,681.34	1,486.38	194.96	8.624	CC, ES, SF	

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	15.16	15.16	0.00	0.02	-179.74	-2,321.46	-10.41	2,321.49					
100.00	100.00	94.89	94.89	0.27	0.19	-179.75	-2,321.94	-10.29	2,322.09	2,321.63	0.46	5,058.050		
200.00	200.00	180.15	180.14	0.63	0.50	-179.75	-2,323.19	-10.23	2,323.53	2,322.41	1.12	2,069.403		
300.00	300.00	283.44	283.42	0.99	0.87	-179.75	-2,324.86	-10.27	2,325.16	2,323.30	1.85	1,256.230		
400.00	399.98	389.79	389.76	1.34	1.25	-127.50	-2,326.35	-10.26	2,327.61	2,325.03	2.59	899.155		
500.00	499.84	488.48	488.44	1.70	1.60	-127.53	-2,327.55	-10.19	2,332.02	2,328.72	3.30	706.157		
514.88	514.68	502.48	502.43	1.76	1.66	-127.54	-2,327.73	-10.17	2,332.88	2,329.47	3.41	684.466		
600.00	599.56	587.03	586.98	2.07	1.96	-127.67	-2,328.89	-10.00	2,337.94	2,333.92	4.02	581.570		
700.00	699.28	689.23	689.17	2.44	2.33	-127.82	-2,330.22	-9.74	2,343.84	2,339.09	4.75	493.277		
800.00	799.00	794.45	794.39	2.81	2.70	-127.98	-2,331.41	-9.46	2,349.58	2,344.09	5.50	427.514		
900.00	898.72	897.50	897.43	3.18	3.07	-128.13	-2,332.36	-9.21	2,355.13	2,348.90	6.23	377.800		
1,000.00	998.43	996.13	996.06	3.55	3.43	-128.28	-2,333.23	-9.08	2,360.66	2,353.70	6.96	339.333		
1,100.00	1,098.15	1,096.32	1,096.24	3.93	3.79	-128.42	-2,334.13	-9.04	2,366.22	2,358.54	7.69	307.862		
1,200.00	1,197.87	1,197.49	1,197.41	4.31	4.15	-128.57	-2,334.99	-9.05	2,371.74	2,363.32	8.42	281.711		
1,300.00	1,297.59	1,299.94	1,299.85	4.68	4.52	-128.71	-2,335.79	-9.07	2,377.21	2,368.05	9.16	259.605		
1,400.00	1,397.31	1,398.45	1,398.36	5.06	4.87	-128.85	-2,336.47	-9.17	2,382.60	2,372.72	9.88	241.139		
1,500.00	1,497.03	1,496.85	1,496.76	5.44	5.22	-128.98	-2,337.26	-9.38	2,388.11	2,377.51	10.60	225.220		
1,600.00	1,596.75	1,599.29	1,599.19	5.81	5.59	-129.11	-2,338.05	-9.64	2,393.61	2,382.27	11.34	211.058		
1,700.00	1,696.47	1,699.76	1,699.66	6.19	5.95	-129.25	-2,338.73	-9.87	2,399.02	2,386.94	12.07	198.734		
1,800.00	1,796.19	1,798.66	1,798.56	6.57	6.30	-129.38	-2,339.40	-10.01	2,404.45	2,391.65	12.80	187.893		
1,900.00	1,895.90	1,901.08	1,900.98	6.94	6.67	-129.52	-2,340.05	-10.05	2,409.85	2,396.31	13.54	178.037		
2,000.00	1,995.62	1,999.73	1,999.62	7.32	7.03	-129.66	-2,340.64	-10.00	2,415.24	2,400.98	14.26	169.364		
2,100.00	2,095.34	2,099.86	2,099.75	7.70	7.38	-129.80	-2,341.24	-9.93	2,420.64	2,405.65	14.99	161.473		
2,200.00	2,195.06	2,204.68	2,204.57	8.08	7.76	-129.94	-2,341.86	-9.81	2,426.05	2,410.31	15.74	154.173		
2,300.00	2,294.78	2,313.34	2,313.23	8.45	8.14	-130.09	-2,341.97	-9.77	2,430.96	2,414.48	16.49	147.452		
2,400.00	2,394.50	2,414.31	2,414.20	8.83	8.48	-130.23	-2,341.98	-9.71	2,435.82	2,418.62	17.20	141.604		
2,500.00	2,494.22	2,512.80	2,512.69	9.21	8.81	-130.36	-2,341.95	-9.73	2,440.65	2,422.74	17.91	136.280		
2,600.00	2,593.94	2,611.96	2,611.85	9.59	9.16	-130.49	-2,342.00	-9.72	2,445.56	2,426.93	18.63	131.265		
2,700.00	2,693.65	2,714.05	2,713.95	9.97	9.52	-130.63	-2,342.00	-9.69	2,450.44	2,431.09	19.35	126.611		
2,800.00	2,793.37	2,812.63	2,812.52	10.34	9.85	-130.76	-2,341.96	-9.69	2,455.30	2,435.24	20.06	122.405		
2,900.00	2,893.09	2,913.39	2,913.28	10.72	10.19	-130.89	-2,341.94	-9.71	2,460.18	2,439.41	20.77	118.434		
3,000.00	2,992.81	3,012.04	3,011.93	11.10	10.52	-131.02	-2,341.91	-9.71	2,465.08	2,443.60	21.48	114.772		
3,100.00	3,092.53	3,113.91	3,113.80	11.48	10.87	-131.16	-2,341.85	-9.65	2,469.95	2,447.76	22.20	111.281		
3,200.00	3,192.25	3,211.43	3,211.32	11.86	11.20	-131.29	-2,341.80	-9.56	2,474.85	2,451.95	22.90	108.073		
3,300.00	3,291.97	3,310.22	3,310.11	12.23	11.55	-131.42	-2,341.82	-9.49	2,479.84	2,456.22	23.62	104.998		
3,400.00	3,391.69	3,410.70	3,410.59	12.61	11.90	-131.55	-2,341.83	-9.44	2,484.82	2,460.48	24.34	102.078		
3,500.00	3,491.41	3,512.76	3,512.65	12.99	12.26	-131.68	-2,341.82	-9.43	2,489.80	2,464.73	25.07	99.319		
3,600.00	3,591.12	3,615.06	3,614.95	13.37	12.60	-131.81	-2,341.61	-9.43	2,494.59	2,468.80	25.79	96.736		
3,700.00	3,690.84	3,712.30	3,712.19	13.75	12.93	-131.94	-2,341.50	-9.44	2,499.49	2,473.00	26.48	94.377		
3,800.00	3,790.56	3,815.90	3,815.79	14.13	13.28	-132.07	-2,341.36	-9.52	2,504.36	2,477.16	27.20	92.057		
3,900.00	3,890.28	3,914.82	3,914.71	14.50	13.61	-132.20	-2,341.06	-9.49	2,509.11	2,481.20	27.91	89.902		
4,000.00	3,990.00	4,011.07	4,010.96	14.88	13.94	-132.32	-2,340.95	-9.52	2,514.03	2,485.42	28.61	87.886		
4,100.00	4,089.72	4,108.86	4,108.75	15.26	14.27	-132.44	-2,340.90	-9.52	2,519.04	2,489.73	29.31	85.940		
4,200.00	4,189.44	4,209.37	4,209.26	15.64	14.62	-132.57	-2,340.91	-9.50	2,524.12	2,494.09	30.03	84.051		
4,300.00	4,289.16	4,302.99	4,302.88	16.02	14.94	-132.68	-2,340.95	-9.60	2,529.24	2,498.52	30.72	82.322		
4,400.00	4,388.87	4,380.36	4,380.24	16.39	15.22	-132.77	-2,341.42	-10.04	2,534.91	2,503.55	31.36	80.838		
4,500.00	4,488.59	4,451.54	4,451.40	16.77	15.47	-132.83	-2,342.70	-11.24	2,541.65	2,509.69	31.97	79.509		
4,600.00	4,588.31	4,520.00	4,519.80	17.15	15.71	-132.86	-2,344.78	-13.22	2,549.54	2,516.97	32.56	78.300		
4,700.00	4,688.03	4,591.51	4,591.17	17.53	15.96	-132.87	-2,347.89	-16.42	2,558.58	2,525.41	33.16	77.149		
4,800.00	4,787.75	4,660.25	4,659.66	17.91	16.20	-132.85	-2,351.82	-20.76	2,568.80	2,535.05	33.75	76.110		
4,900.00	4,887.47	4,726.67	4,725.71	18.29	16.44	-132.81	-2,356.52	-25.93	2,580.23	2,545.91	34.32	75.173		
5,000.00	4,987.19	4,802.00	4,800.46	18.66	16.71	-132.74	-2,363.08	-32.59	2,593.10	2,558.17	34.93	74.229		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,100.00	5,086.91	4,859.25	4,857.14	19.04	16.91	-132.68	-2,368.83	-38.16	2,607.15	2,571.70	35.46	73.534		
5,200.00	5,186.63	4,926.69	4,923.79	19.42	17.16	-132.58	-2,376.26	-45.34	2,622.30	2,586.28	36.02	72.801		
5,300.00	5,286.34	4,991.00	4,987.14	19.80	17.40	-132.48	-2,384.32	-52.94	2,638.81	2,602.24	36.57	72.167		
5,400.00	5,386.06	5,077.88	5,072.49	20.18	17.72	-132.32	-2,396.01	-64.17	2,656.19	2,618.97	37.23	71.350		
5,500.00	5,485.78	5,143.51	5,136.81	20.56	17.97	-132.18	-2,405.32	-73.29	2,674.30	2,636.52	37.78	70.793		
5,600.00	5,585.50	5,180.00	5,172.47	20.93	18.11	-132.10	-2,410.90	-78.65	2,693.91	2,655.75	38.15	70.607		
5,700.00	5,685.22	5,275.00	5,264.84	21.31	18.48	-131.86	-2,427.30	-93.61	2,714.98	2,676.11	38.86	69.857		
5,800.00	5,784.94	5,304.43	5,293.27	21.69	18.60	-131.78	-2,432.98	-98.59	2,737.56	2,698.38	39.18	69.866		
5,900.00	5,884.66	5,369.00	5,355.31	22.07	18.86	-131.58	-2,446.45	-110.40	2,762.01	2,722.31	39.71	69.560		
6,000.00	5,984.38	5,405.65	5,390.30	22.45	19.01	-131.46	-2,454.70	-117.56	2,787.98	2,747.93	40.05	69.620		
6,100.00	6,084.09	5,464.00	5,445.66	22.83	19.26	-131.25	-2,468.74	-129.49	2,815.66	2,775.15	40.52	69.491		
6,200.00	6,183.81	5,519.20	5,497.79	23.20	19.50	-131.05	-2,482.74	-141.04	2,844.70	2,803.74	40.97	69.439		
6,300.00	6,283.53	5,592.83	5,567.19	23.58	19.83	-130.79	-2,502.00	-156.32	2,874.71	2,833.17	41.54	69.197		
6,400.00	6,383.25	5,670.86	5,640.61	23.96	20.18	-130.52	-2,522.78	-172.66	2,905.30	2,863.14	42.15	68.920		
6,500.00	6,482.97	5,746.00	5,711.06	24.34	20.54	-130.25	-2,543.40	-188.73	2,936.71	2,893.96	42.75	68.700		
6,600.00	6,582.69	5,797.70	5,759.29	24.72	20.79	-130.06	-2,558.08	-200.13	2,969.12	2,925.96	43.17	68.785		
6,700.00	6,682.41	5,860.60	5,817.64	25.09	21.10	-129.82	-2,576.61	-214.59	3,002.71	2,959.04	43.67	68.766		
6,800.00	6,782.13	5,934.00	5,885.31	25.47	21.47	-129.52	-2,598.67	-232.53	3,037.06	2,992.81	44.25	68.634		
6,900.00	6,881.84	5,995.12	5,941.29	25.85	21.80	-129.26	-2,617.48	-248.28	3,072.27	3,027.53	44.74	68.668		
7,000.00	6,981.56	6,051.21	5,992.34	26.23	22.10	-129.01	-2,635.29	-263.21	3,108.59	3,063.40	45.19	68.791		
7,100.00	7,081.28	6,123.00	6,057.15	26.61	22.51	-128.69	-2,659.03	-282.93	3,146.25	3,100.48	45.77	68.742		
7,200.00	7,181.00	6,150.25	6,081.58	26.99	22.67	-128.56	-2,668.36	-290.62	3,184.96	3,138.99	45.97	69.284		
7,222.08	7,203.02	6,159.96	6,090.24	27.07	22.72	-128.52	-2,671.73	-293.40	3,193.72	3,147.68	46.04	69.361		
7,250.00	7,230.81	6,172.24	6,101.19	27.18	22.79	-112.94	-2,676.04	-296.93	3,204.91	3,158.77	46.14	69.458		
7,300.00	7,280.16	6,217.00	6,140.85	27.39	23.06	-101.13	-2,692.10	-310.08	3,225.39	3,178.86	46.53	69.320		
7,350.00	7,328.67	6,217.00	6,140.85	27.61	23.06	-95.06	-2,692.10	-310.08	3,245.75	3,199.21	46.54	69.743		
7,400.00	7,375.96	6,240.35	6,161.40	27.86	23.20	-90.77	-2,700.70	-317.08	3,266.31	3,219.53	46.78	69.830		
7,450.00	7,421.67	6,263.91	6,182.05	28.12	23.35	-87.34	-2,709.50	-324.23	3,286.74	3,239.70	47.03	69.880		
7,500.00	7,465.45	6,287.11	6,202.29	28.40	23.50	-84.41	-2,718.31	-331.35	3,306.90	3,259.59	47.31	69.894		
7,550.00	7,506.97	6,311.00	6,223.05	28.70	23.65	-81.84	-2,727.51	-338.78	3,326.66	3,279.03	47.62	69.851		
7,600.00	7,545.92	6,349.24	6,256.20	29.02	23.90	-79.65	-2,742.37	-350.72	3,345.79	3,297.68	48.11	69.550		
7,650.00	7,582.00	6,388.24	6,290.00	29.37	24.15	-77.75	-2,757.55	-362.88	3,364.06	3,315.43	48.63	69.173		
7,700.00	7,614.93	6,433.87	6,329.58	29.76	24.45	-76.17	-2,775.30	-377.07	3,381.40	3,332.13	49.27	68.634		
7,750.00	7,644.47	6,483.66	6,372.82	30.18	24.79	-74.87	-2,794.53	-392.53	3,397.62	3,347.63	49.99	67.965		
7,800.00	7,670.38	6,526.08	6,409.73	30.64	25.07	-73.72	-2,810.79	-405.67	3,412.70	3,362.01	50.70	67.317		
7,850.00	7,692.48	6,563.05	6,441.95	31.14	25.33	-72.70	-2,824.91	-417.04	3,426.70	3,375.30	51.40	66.662		
7,900.00	7,710.59	6,596.57	6,471.20	31.68	25.56	-71.81	-2,837.68	-427.28	3,439.62	3,387.48	52.13	65.977		
7,950.00	7,724.57	6,594.00	6,468.96	32.27	25.54	-70.56	-2,836.70	-426.49	3,451.58	3,399.02	52.56	65.673		
8,000.00	7,734.32	6,624.78	6,495.79	32.89	25.75	-69.94	-2,848.49	-435.89	3,462.40	3,409.04	53.37	64.879		
8,050.00	7,739.77	6,636.45	6,505.95	33.54	25.84	-69.17	-2,853.01	-439.46	3,472.27	3,418.24	54.03	64.266		
8,085.63	7,741.00	6,643.47	6,512.04	34.02	25.89	-68.68	-2,855.74	-441.61	3,478.65	3,424.14	54.51	63.814		
8,100.00	7,741.05	6,646.08	6,514.31	34.22	25.90	-68.72	-2,856.75	-442.41	3,481.14	3,426.43	54.71	63.630		
8,200.00	7,741.40	6,664.27	6,530.09	35.69	26.03	-69.01	-2,863.88	-448.01	3,499.98	3,443.82	56.16	62.325		
8,300.00	7,741.75	6,689.00	6,551.49	37.30	26.21	-69.41	-2,873.65	-455.63	3,521.40	3,463.62	57.78	60.947		
8,400.00	7,742.10	6,712.08	6,571.43	39.03	26.37	-69.77	-2,882.81	-462.76	3,545.31	3,485.84	59.47	59.616		
8,500.00	7,742.44	6,747.64	6,602.19	40.86	26.63	-70.33	-2,896.89	-473.75	3,571.58	3,510.21	61.37	58.200		
8,600.00	7,742.79	6,783.37	6,633.10	42.79	26.89	-70.90	-2,910.98	-484.80	3,600.13	3,536.81	63.32	56.854		
8,700.00	7,743.14	6,837.28	6,679.88	44.80	27.28	-71.75	-2,932.03	-501.40	3,630.84	3,565.30	65.53	55.404		
8,800.00	7,743.49	6,890.29	6,726.07	46.87	27.67	-72.59	-2,952.37	-517.57	3,663.57	3,595.81	67.77	54.062		
8,900.00	7,743.84	6,901.77	6,736.07	49.01	27.76	-72.77	-2,956.82	-521.09	3,698.51	3,628.98	69.52	53.198		
9,000.00	7,744.19	6,921.67	6,753.37	51.20	27.90	-73.08	-2,964.52	-527.17	3,735.62	3,664.24	71.38	52.334		
9,100.00	7,744.54	6,941.66	6,770.73	53.43	28.05	-73.39	-2,972.32	-533.31	3,774.86	3,701.63	73.23	51.548		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	7,744.89	6,971.00	6,796.14	55.71	28.27	-73.85	-2,983.88	-542.33	3,816.18	3,740.99	75.19	50.756		
9,300.00	7,745.23	6,983.37	6,806.84	58.02	28.36	-74.04	-2,988.77	-546.13	3,859.45	3,782.55	76.90	50.185		
9,400.00	7,745.58	7,005.67	6,826.16	60.37	28.53	-74.39	-2,997.61	-552.90	3,904.65	3,825.92	78.73	49.598		
9,500.00	7,745.93	7,027.31	6,844.94	62.74	28.70	-74.73	-3,006.19	-559.37	3,951.69	3,871.18	80.51	49.082		
9,600.00	7,746.28	7,048.30	6,863.19	65.14	28.85	-75.06	-3,014.53	-565.56	4,000.53	3,918.27	82.26	48.633		
9,700.00	7,746.63	7,066.00	6,878.60	67.56	28.99	-75.33	-3,021.56	-570.70	4,051.10	3,967.18	83.93	48.270		
9,800.00	7,746.98	7,088.00	6,897.75	70.01	29.15	-75.67	-3,030.33	-577.04	4,103.35	4,017.73	85.62	47.928		
9,900.00	7,747.33	7,107.23	6,914.49	72.47	29.30	-75.97	-3,038.03	-582.56	4,157.21	4,069.98	87.23	47.658		
10,000.00	7,747.67	7,126.29	6,931.07	74.94	29.45	-76.27	-3,045.70	-588.01	4,212.63	4,123.83	88.81	47.437		
10,100.00	7,748.02	7,160.00	6,960.37	77.43	29.70	-76.79	-3,059.34	-597.59	4,269.59	4,179.03	90.56	47.148		
10,200.00	7,748.37	7,160.00	6,960.37	79.94	29.70	-76.79	-3,059.34	-597.59	4,327.92	4,236.14	91.77	47.159		
10,300.00	7,748.72	7,160.00	6,960.37	82.46	29.70	-76.79	-3,059.34	-597.59	4,387.75	4,294.81	92.94	47.209		
10,400.00	7,749.07	7,160.00	6,960.37	84.98	29.70	-76.79	-3,059.34	-597.59	4,449.02	4,354.96	94.07	47.297		
10,500.00	7,749.42	7,160.00	6,960.37	87.52	29.70	-76.79	-3,059.34	-597.59	4,511.68	4,416.53	95.14	47.419		
10,600.00	7,749.77	7,160.00	6,960.37	90.07	29.70	-76.79	-3,059.34	-597.59	4,575.66	4,479.48	96.18	47.574		
10,700.00	7,750.11	7,160.00	6,960.37	92.62	29.70	-76.79	-3,059.34	-597.59	4,640.92	4,543.75	97.17	47.760		
10,800.00	7,750.46	7,160.00	6,960.37	95.19	29.70	-76.79	-3,059.34	-597.59	4,707.40	4,609.28	98.12	47.974		
10,900.00	7,750.81	7,160.00	6,960.37	97.76	29.70	-76.79	-3,059.34	-597.59	4,775.05	4,676.01	99.04	48.215		
11,000.00	7,751.16	7,160.00	6,960.37	100.34	29.70	-76.79	-3,059.34	-597.59	4,843.81	4,743.90	99.91	48.482		
11,100.00	7,751.51	7,160.00	6,960.37	102.92	29.70	-76.79	-3,059.34	-597.59	4,913.65	4,812.90	100.75	48.772		
11,200.00	7,751.86	7,202.69	6,997.68	105.51	30.02	-77.45	-3,076.98	-608.45	4,983.30	4,881.05	102.25	48.736		
11,300.00	7,752.21	7,205.93	7,000.53	108.11	30.04	-77.50	-3,078.34	-609.17	5,054.95	4,951.87	103.08	49.040		
11,400.00	7,752.55	7,209.04	7,003.27	110.70	30.06	-77.55	-3,079.66	-609.85	5,127.54	5,023.67	103.87	49.364		
11,500.00	7,752.90	7,212.04	7,005.91	113.31	30.08	-77.59	-3,080.92	-610.50	5,201.02	5,096.39	104.63	49.708		
11,527.76	7,753.00	7,212.85	7,006.62	114.03	30.09	-77.61	-3,081.26	-610.67	5,221.57	5,116.74	104.84	49.806		
11,550.00	7,753.07	7,213.51	7,007.21	114.61	30.10	-78.07	-3,081.55	-610.81	5,237.80	5,132.80	105.00	49.883		
11,600.00	7,753.18	7,254.00	7,043.01	115.90	30.39	-79.49	-3,098.93	-618.21	5,273.30	5,167.28	106.02	49.738		
11,650.00	7,753.23	7,254.00	7,043.01	117.15	30.39	-80.14	-3,098.93	-618.21	5,304.71	5,198.32	106.38	49.864		
11,700.00	7,753.20	7,254.00	7,043.01	118.36	30.39	-80.66	-3,098.93	-618.21	5,332.96	5,226.22	106.74	49.962		
11,750.00	7,753.11	7,254.00	7,043.01	119.50	30.39	-81.08	-3,098.93	-618.21	5,357.90	5,250.82	107.08	50.034		
11,800.00	7,752.95	7,254.00	7,043.01	120.58	30.39	-81.43	-3,098.93	-618.21	5,379.39	5,271.98	107.40	50.085		
11,850.00	7,752.73	7,254.00	7,043.01	121.58	30.39	-81.70	-3,098.93	-618.21	5,397.29	5,289.60	107.69	50.118		
11,900.00	7,752.44	7,254.00	7,043.01	122.49	30.39	-81.92	-3,098.93	-618.21	5,411.51	5,303.58	107.94	50.135		
11,950.00	7,752.10	7,254.00	7,043.01	123.31	30.39	-82.09	-3,098.93	-618.21	5,421.98	5,313.84	108.13	50.141		
12,000.00	7,751.69	7,254.00	7,043.01	124.03	30.39	-82.21	-3,098.93	-618.21	5,428.63	5,320.35	108.27	50.138		
12,050.00	7,751.22	7,254.00	7,043.01	124.65	30.39	-82.29	-3,098.93	-618.21	5,431.43	5,323.07	108.35	50.128		
12,100.00	7,750.71	7,254.00	7,043.01	125.18	30.39	-82.33	-3,098.93	-618.21	5,430.35	5,321.99	108.36	50.113		
12,150.00	7,750.14	7,254.00	7,043.01	125.62	30.39	-82.33	-3,098.93	-618.21	5,425.42	5,317.12	108.30	50.094		
12,200.00	7,749.53	7,254.00	7,043.01	125.96	30.39	-82.28	-3,098.93	-618.21	5,416.65	5,308.47	108.18	50.072		
12,250.00	7,748.89	7,254.00	7,043.01	126.22	30.39	-82.18	-3,098.93	-618.21	5,404.10	5,296.11	107.98	50.045		
12,300.00	7,748.20	7,254.00	7,043.01	126.41	30.39	-82.02	-3,098.93	-618.21	5,387.82	5,280.10	107.72	50.015		
12,350.00	7,747.49	7,254.00	7,043.01	126.53	30.39	-81.80	-3,098.93	-618.21	5,367.92	5,260.52	107.41	49.978		
12,400.00	7,746.76	7,254.00	7,043.01	126.60	30.39	-81.50	-3,098.93	-618.21	5,344.51	5,237.47	107.03	49.933		
12,450.00	7,746.00	7,254.00	7,043.01	126.62	30.39	-81.11	-3,098.93	-618.21	5,317.71	5,211.09	106.62	49.877		
12,500.00	7,745.23	7,254.00	7,043.01	126.62	30.39	-80.60	-3,098.93	-618.21	5,287.69	5,181.52	106.17	49.806		
12,550.00	7,744.46	7,254.00	7,043.01	126.59	30.39	-79.93	-3,098.93	-618.21	5,254.61	5,148.92	105.69	49.717		
12,600.00	7,743.68	7,254.00	7,043.01	126.55	30.39	-79.06	-3,098.93	-618.21	5,218.68	5,113.48	105.20	49.606		
12,650.00	7,742.91	7,254.00	7,043.01	126.52	30.39	-77.92	-3,098.93	-618.21	5,180.11	5,075.39	104.72	49.468		
12,700.00	7,742.16	7,254.00	7,043.01	126.50	30.39	-76.38	-3,098.93	-618.21	5,139.14	5,034.89	104.24	49.300		
12,750.00	7,741.41	7,254.00	7,043.01	126.51	30.39	-74.26	-3,098.93	-618.21	5,096.02	4,992.22	103.80	49.097		
12,800.00	7,740.69	7,254.00	7,043.01	126.55	30.39	-71.21	-3,098.93	-618.21	5,051.04	4,947.65	103.39	48.856		
12,850.00	7,740.00	7,254.00	7,043.01	126.64	30.39	-66.60	-3,098.93	-618.21	5,004.49	4,901.46	103.03	48.573		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,900.00	7,739.34	7,254.00	7,043.01	126.77	30.39	-59.08	-3,098.93	-618.21	4,956.68	4,853.94	102.74	48.247		
12,950.00	7,738.72	7,254.00	7,043.01	126.95	30.39	-45.70	-3,098.93	-618.21	4,907.95	4,805.44	102.52	47.875		
12,966.03	7,738.53	7,254.00	7,043.01	127.02	30.39	-39.30	-3,098.93	-618.21	4,892.19	4,789.73	102.46	47.745		
13,000.00	7,738.13	7,254.00	7,043.01	127.17	30.39	-39.30	-3,098.93	-618.21	4,858.74	4,756.38	102.36	47.467		
13,100.00	7,736.96	7,254.00	7,043.01	127.65	30.39	-39.30	-3,098.93	-618.21	4,760.32	4,658.27	102.05	46.648		
13,200.00	7,735.78	7,254.00	7,043.01	128.16	30.39	-39.30	-3,098.93	-618.21	4,661.96	4,560.24	101.72	45.829		
13,221.13	7,735.54	7,254.00	7,043.01	128.27	30.39	-39.30	-3,098.93	-618.21	4,641.18	4,539.53	101.65	45.657		
13,250.00	7,735.21	7,254.00	7,043.01	128.44	30.39	-25.08	-3,098.93	-618.21	4,612.74	4,511.16	101.57	45.412		
13,300.00	7,734.68	7,254.00	7,043.01	128.76	30.39	7.35	-3,098.93	-618.21	4,563.29	4,461.78	101.51	44.952		
13,350.00	7,734.22	7,254.00	7,043.01	129.14	30.39	35.31	-3,098.93	-618.21	4,513.95	4,412.39	101.56	44.446		
13,400.00	7,733.83	7,254.00	7,043.01	129.57	30.39	51.67	-3,098.93	-618.21	4,465.10	4,363.38	101.72	43.896		
13,450.00	7,733.51	7,254.00	7,043.01	130.04	30.39	60.87	-3,098.93	-618.21	4,417.14	4,315.14	102.00	43.305		
13,500.00	7,733.25	7,254.00	7,043.01	130.54	30.39	66.45	-3,098.93	-618.21	4,370.45	4,268.05	102.40	42.679		
13,550.00	7,733.08	7,254.00	7,043.01	131.06	30.39	70.10	-3,098.93	-618.21	4,325.46	4,222.52	102.94	42.021		
13,582.30	7,733.00	7,254.00	7,043.01	131.41	30.39	71.83	-3,098.93	-618.21	4,297.47	4,194.12	103.35	41.582		
13,600.00	7,732.97	7,254.00	7,043.01	131.60	30.39	71.83	-3,098.93	-618.21	4,282.41	4,178.82	103.59	41.340		
13,700.00	7,732.78	7,254.00	7,043.01	132.71	30.39	71.83	-3,098.93	-618.21	4,197.67	4,092.65	105.02	39.972		
13,800.00	7,732.60	7,254.00	7,043.01	133.86	30.39	71.83	-3,098.93	-618.21	4,113.62	4,007.09	106.53	38.613		
13,900.00	7,732.41	7,254.00	7,043.01	135.06	30.39	71.83	-3,098.93	-618.21	4,030.30	3,922.15	108.15	37.266		
14,000.00	7,732.23	7,254.00	7,043.01	136.31	30.39	71.83	-3,098.93	-618.21	3,947.75	3,837.89	109.87	35.932		
14,100.00	7,732.05	7,254.00	7,043.01	137.59	30.39	71.83	-3,098.93	-618.21	3,866.03	3,754.34	111.69	34.614		
14,200.00	7,731.86	7,254.00	7,043.01	138.92	30.39	71.83	-3,098.93	-618.21	3,785.19	3,671.57	113.62	33.315		
14,300.00	7,731.68	7,254.00	7,043.01	140.29	30.39	71.83	-3,098.93	-618.21	3,705.28	3,589.62	115.66	32.035		
14,400.00	7,731.49	7,254.00	7,043.01	141.69	30.39	71.83	-3,098.93	-618.21	3,626.37	3,508.54	117.82	30.778		
14,500.00	7,731.31	7,254.00	7,043.01	143.14	30.39	71.83	-3,098.93	-618.21	3,548.52	3,428.42	120.10	29.546		
14,600.00	7,731.12	7,254.00	7,043.01	144.62	30.39	71.83	-3,098.93	-618.21	3,471.80	3,349.30	122.51	28.340		
14,700.00	7,730.94	7,254.00	7,043.01	146.13	30.39	71.83	-3,098.93	-618.21	3,396.30	3,271.27	125.03	27.163		
14,800.00	7,730.76	7,254.00	7,043.01	147.68	30.39	71.83	-3,098.93	-618.21	3,322.09	3,194.40	127.69	26.017		
14,900.00	7,730.57	7,254.00	7,043.01	149.26	30.39	71.83	-3,098.93	-618.21	3,249.27	3,118.79	130.48	24.903		
15,000.00	7,730.39	7,254.00	7,043.01	150.88	30.39	71.83	-3,098.93	-618.21	3,177.92	3,044.53	133.40	23.823		
15,100.00	7,730.20	7,254.00	7,043.01	152.52	30.39	71.83	-3,098.93	-618.21	3,108.16	2,971.71	136.44	22.780		
15,200.00	7,730.02	7,254.00	7,043.01	154.20	30.39	71.83	-3,098.93	-618.21	3,040.08	2,900.46	139.62	21.774		
15,300.00	7,729.83	7,254.00	7,043.01	155.90	30.39	71.83	-3,098.93	-618.21	2,973.81	2,830.88	142.92	20.807		
15,400.00	7,729.65	7,254.00	7,043.01	157.63	30.39	71.83	-3,098.93	-618.21	2,909.46	2,763.11	146.35	19.880		
15,500.00	7,729.47	7,254.00	7,043.01	159.39	30.39	71.83	-3,098.93	-618.21	2,847.18	2,697.28	149.89	18.995		
15,600.00	7,729.28	7,254.00	7,043.01	161.18	30.39	71.83	-3,098.93	-618.21	2,787.09	2,633.54	153.54	18.152		
15,700.00	7,729.10	7,254.00	7,043.01	162.99	30.39	71.83	-3,098.93	-618.21	2,729.34	2,572.04	157.29	17.352		
15,800.00	7,728.91	7,254.00	7,043.01	164.82	30.39	71.83	-3,098.93	-618.21	2,674.09	2,512.95	161.13	16.596		
15,900.00	7,728.73	7,218.92	7,011.98	166.68	30.13	70.95	-3,083.84	-611.93	2,620.71	2,456.81	163.90	15.990		
16,000.00	7,728.54	7,212.71	7,006.50	168.56	30.09	70.80	-3,081.20	-610.64	2,570.65	2,403.01	167.64	15.334		
16,100.00	7,728.36	7,205.93	7,000.53	170.46	30.04	70.63	-3,078.34	-609.17	2,523.51	2,352.12	171.39	14.724		
16,200.00	7,728.18	7,198.51	6,994.01	172.39	29.99	70.45	-3,075.22	-607.49	2,479.44	2,304.32	175.12	14.159		
16,300.00	7,727.99	7,190.34	6,986.85	174.33	29.93	70.25	-3,071.82	-605.56	2,438.61	2,259.81	178.80	13.639		
16,400.00	7,727.81	7,160.00	6,960.37	176.30	29.70	69.50	-3,059.34	-597.59	2,401.42	2,219.79	181.63	13.221		
16,500.00	7,727.62	7,160.00	6,960.37	178.28	29.70	69.50	-3,059.34	-597.59	2,367.33	2,181.85	185.48	12.763		
16,600.00	7,727.44	7,160.00	6,960.37	180.29	29.70	69.50	-3,059.34	-597.59	2,337.03	2,147.80	189.22	12.351		
16,700.00	7,727.25	7,138.13	6,941.36	182.31	29.54	68.96	-3,050.47	-591.38	2,310.53	2,118.51	192.02	12.033		
16,800.00	7,727.07	7,115.70	6,921.86	184.35	29.37	68.41	-3,041.43	-584.99	2,287.83	2,093.21	194.62	11.755		
16,837.81	7,727.00	7,107.16	6,914.43	185.12	29.30	68.20	-3,038.00	-582.54	2,280.26	2,084.71	195.55	11.661 CC, ES, SF		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
0.00	0.00	16.09	16.09	0.00	0.02	-179.75	-2,289.77	-10.12	2,289.79					
100.00	100.00	104.68	104.68	0.27	0.22	-179.76	-2,290.15	-9.79	2,290.21	2,289.72	0.49	4,648.732		
200.00	200.00	202.87	202.87	0.63	0.57	-179.76	-2,290.86	-9.64	2,290.94	2,289.74	1.20	1,906.446		
300.00	300.00	306.67	306.66	0.99	0.95	-179.76	-2,291.50	-9.54	2,291.55	2,289.62	1.93	1,186.332		
400.00	399.98	408.43	408.42	1.34	1.31	-127.53	-2,292.00	-9.45	2,293.11	2,290.45	2.65	864.437		
500.00	499.84	509.59	509.58	1.70	1.67	-127.58	-2,292.44	-9.35	2,296.73	2,293.36	3.37	680.577		
514.88	514.68	524.66	524.65	1.76	1.73	-127.59	-2,292.50	-9.33	2,297.45	2,293.97	3.48	659.414		
600.00	599.56	611.23	611.22	2.07	2.04	-127.72	-2,292.81	-9.19	2,301.66	2,297.55	4.10	560.961		
700.00	699.28	711.65	711.64	2.44	2.40	-127.87	-2,293.11	-9.08	2,306.56	2,301.73	4.83	477.699		
800.00	799.00	811.44	811.43	2.81	2.75	-128.02	-2,293.40	-9.11	2,311.47	2,305.92	5.55	416.341		
900.00	898.72	912.86	912.85	3.18	3.11	-128.16	-2,293.65	-9.24	2,316.34	2,310.06	6.28	368.877		
1,000.00	998.43	1,014.21	1,014.20	3.55	3.47	-128.31	-2,293.84	-9.47	2,321.18	2,314.17	7.01	331.322		
1,100.00	1,098.15	1,115.51	1,115.50	3.93	3.83	-128.45	-2,293.93	-9.56	2,325.92	2,318.19	7.73	300.717		
1,200.00	1,197.87	1,215.04	1,215.03	4.31	4.18	-128.59	-2,294.00	-9.62	2,330.67	2,322.21	8.46	275.549		
1,300.00	1,297.59	1,312.94	1,312.93	4.68	4.53	-128.73	-2,294.11	-9.71	2,335.47	2,326.29	9.18	254.494		
1,400.00	1,397.31	1,415.43	1,415.42	5.06	4.90	-128.88	-2,294.24	-9.75	2,340.30	2,330.39	9.91	236.061		
1,500.00	1,497.03	1,515.22	1,515.20	5.44	5.25	-129.02	-2,294.27	-9.73	2,345.04	2,334.41	10.64	220.415		
1,600.00	1,596.75	1,616.77	1,616.76	5.81	5.60	-129.16	-2,294.26	-9.78	2,349.77	2,338.41	11.36	206.807		
1,700.00	1,696.47	1,715.07	1,715.06	6.19	5.94	-129.30	-2,294.25	-9.93	2,354.51	2,342.44	12.07	195.042		
1,800.00	1,796.19	1,814.08	1,814.07	6.57	6.29	-129.44	-2,294.28	-9.96	2,359.30	2,346.51	12.79	184.463		
1,900.00	1,895.90	1,912.33	1,912.32	6.94	6.63	-129.58	-2,294.37	-9.92	2,364.16	2,350.65	13.51	174.994		
2,000.00	1,995.62	2,012.91	2,012.90	7.32	6.99	-129.72	-2,294.46	-9.91	2,369.04	2,354.80	14.24	166.359		
2,100.00	2,095.34	2,113.94	2,113.93	7.70	7.35	-129.86	-2,294.51	-9.94	2,373.89	2,358.92	14.97	158.580		
2,200.00	2,195.06	2,214.09	2,214.08	8.08	7.70	-130.00	-2,294.51	-9.85	2,378.71	2,363.03	15.69	151.639		
2,300.00	2,294.78	2,313.86	2,313.84	8.45	8.04	-130.14	-2,294.50	-9.82	2,383.54	2,367.14	16.40	145.324		
2,400.00	2,394.50	2,413.54	2,413.53	8.83	8.38	-130.28	-2,294.50	-9.74	2,388.39	2,371.27	17.12	139.530		
2,500.00	2,494.22	2,514.08	2,514.06	9.21	8.73	-130.41	-2,294.49	-9.74	2,393.23	2,375.40	17.83	134.202		
2,600.00	2,593.94	2,613.62	2,613.61	9.59	9.06	-130.55	-2,294.45	-9.74	2,398.07	2,379.52	18.54	129.335		
2,700.00	2,693.65	2,713.82	2,713.81	9.97	9.40	-130.69	-2,294.41	-9.71	2,402.92	2,383.67	19.25	124.812		
2,800.00	2,793.37	2,813.56	2,813.55	10.34	9.74	-130.82	-2,294.36	-9.71	2,407.77	2,387.81	19.96	120.627		
2,900.00	2,893.09	2,912.15	2,912.14	10.72	10.08	-130.95	-2,294.33	-9.70	2,412.65	2,391.98	20.67	116.719		
3,000.00	2,992.81	3,010.00	3,009.99	11.10	10.42	-131.09	-2,294.34	-9.68	2,417.59	2,396.20	21.38	113.054		
3,100.00	3,092.53	3,108.03	3,108.01	11.48	10.77	-131.22	-2,294.42	-9.69	2,422.61	2,400.51	22.10	109.617		
3,200.00	3,192.25	3,210.47	3,210.46	11.86	11.13	-131.36	-2,294.49	-9.60	2,427.64	2,404.81	22.83	106.325		
3,300.00	3,291.97	3,308.33	3,308.32	12.23	11.47	-131.49	-2,294.57	-9.59	2,432.69	2,409.14	23.55	103.314		
3,400.00	3,391.69	3,410.15	3,410.13	12.61	11.83	-131.62	-2,294.65	-9.63	2,437.74	2,413.46	24.28	100.416		
3,500.00	3,491.41	3,512.07	3,512.06	12.99	12.18	-131.75	-2,294.61	-9.63	2,442.69	2,417.69	25.00	97.709		
3,600.00	3,591.12	3,611.36	3,611.35	13.37	12.52	-131.88	-2,294.56	-9.74	2,447.63	2,421.92	25.71	95.201		
3,700.00	3,690.84	3,711.26	3,711.25	13.75	12.86	-132.01	-2,294.53	-9.86	2,452.61	2,426.19	26.42	92.817		
3,800.00	3,790.56	3,817.76	3,817.75	14.13	13.23	-132.15	-2,294.37	-9.89	2,457.50	2,430.34	27.16	90.480		
3,900.00	3,890.28	3,914.87	3,914.85	14.50	13.56	-132.27	-2,293.99	-9.88	2,462.15	2,434.28	27.86	88.365		
4,000.00	3,990.00	4,009.21	4,009.19	14.88	13.89	-132.39	-2,293.93	-9.91	2,467.14	2,438.58	28.56	86.386		
4,100.00	4,089.72	4,109.45	4,109.44	15.26	14.23	-132.52	-2,293.92	-9.91	2,472.20	2,442.92	29.28	84.438		
4,200.00	4,189.44	4,209.68	4,209.67	15.64	14.58	-132.65	-2,293.88	-9.90	2,477.23	2,447.24	29.99	82.589		
4,300.00	4,289.16	4,311.09	4,311.08	16.02	14.93	-132.78	-2,293.81	-9.98	2,482.25	2,451.53	30.71	80.816		
4,400.00	4,388.87	4,410.55	4,410.54	16.39	15.27	-132.90	-2,293.70	-10.09	2,487.23	2,455.80	31.43	79.141		
4,500.00	4,488.59	4,511.76	4,511.74	16.77	15.62	-133.03	-2,293.57	-10.15	2,492.21	2,460.07	32.15	77.524		
4,600.00	4,588.31	4,610.94	4,610.92	17.15	15.96	-133.15	-2,293.42	-10.26	2,497.18	2,464.32	32.86	75.993		
4,700.00	4,688.03	4,680.96	4,680.94	17.53	16.21	-133.23	-2,293.76	-10.69	2,502.75	2,469.28	33.47	74.785		
4,800.00	4,787.75	4,741.74	4,741.71	17.91	16.42	-133.28	-2,294.90	-11.68	2,509.64	2,475.61	34.03	73.746		
4,900.00	4,887.47	4,802.00	4,801.90	18.29	16.63	-133.31	-2,297.21	-13.24	2,518.27	2,483.69	34.59	72.810		
5,000.00	4,987.19	4,871.23	4,870.99	18.66	16.88	-133.34	-2,300.90	-15.69	2,528.30	2,493.12	35.18	71.877		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,100.00	5,086.91	4,962.44	4,961.92	19.04	17.20	-133.34	-2,306.47	-19.97	2,539.04	2,503.19	35.86	70.806		
5,200.00	5,186.63	5,036.56	5,035.75	19.42	17.46	-133.32	-2,311.37	-24.41	2,550.22	2,513.75	36.47	69.935		
5,300.00	5,286.34	5,086.00	5,084.90	19.80	17.64	-133.29	-2,315.30	-27.96	2,562.76	2,525.81	36.95	69.358		
5,400.00	5,386.06	5,146.74	5,145.14	20.18	17.86	-133.24	-2,321.23	-32.96	2,576.96	2,539.48	37.48	68.756		
5,500.00	5,485.78	5,181.00	5,179.02	20.56	17.98	-133.21	-2,325.24	-36.09	2,593.20	2,555.34	37.86	68.492		
5,600.00	5,585.50	5,245.02	5,242.09	20.93	18.21	-133.12	-2,334.00	-42.71	2,611.14	2,572.75	38.39	68.014		
5,700.00	5,685.22	5,303.91	5,299.80	21.31	18.43	-133.01	-2,343.42	-49.74	2,630.96	2,592.07	38.89	67.658		
5,800.00	5,784.94	5,383.78	5,377.79	21.69	18.73	-132.85	-2,357.04	-60.28	2,651.81	2,612.31	39.50	67.135		
5,900.00	5,884.66	5,496.20	5,487.35	22.07	19.15	-132.59	-2,376.26	-76.53	2,672.66	2,632.35	40.31	66.305		
6,000.00	5,984.38	5,597.54	5,586.10	22.45	19.54	-132.34	-2,393.15	-91.78	2,693.10	2,652.04	41.06	65.594		
6,100.00	6,084.09	5,675.62	5,662.07	22.83	19.85	-132.15	-2,406.39	-104.05	2,713.85	2,672.18	41.67	65.127		
6,200.00	6,183.81	5,746.00	5,730.24	23.20	20.13	-131.95	-2,419.22	-115.90	2,735.74	2,693.50	42.24	64.772		
6,300.00	6,283.53	5,808.73	5,790.73	23.58	20.39	-131.77	-2,431.37	-127.24	2,758.73	2,715.98	42.75	64.526		
6,400.00	6,383.25	5,867.33	5,846.98	23.96	20.64	-131.57	-2,443.25	-138.60	2,782.79	2,739.55	43.24	64.356		
6,500.00	6,482.97	5,934.00	5,910.32	24.34	20.92	-131.32	-2,458.15	-153.08	2,808.62	2,764.84	43.78	64.156		
6,600.00	6,582.69	5,986.34	5,959.66	24.72	21.16	-131.11	-2,470.52	-165.41	2,835.66	2,791.44	44.22	64.133		
6,700.00	6,682.41	6,063.15	6,031.76	25.09	21.51	-130.77	-2,488.87	-184.51	2,863.38	2,818.56	44.83	63.878		
6,800.00	6,782.13	6,123.00	6,087.52	25.47	21.79	-130.49	-2,503.65	-200.45	2,892.07	2,846.76	45.31	63.825		
6,900.00	6,881.84	6,178.04	6,138.39	25.85	22.05	-130.22	-2,517.90	-215.91	2,922.09	2,876.32	45.76	63.852		
7,000.00	6,981.56	6,217.00	6,174.12	26.23	22.25	-130.02	-2,528.48	-227.28	2,953.66	2,907.58	46.08	64.099		
7,100.00	7,081.28	6,284.78	6,235.81	26.61	22.60	-129.66	-2,547.71	-247.70	2,986.53	2,939.90	46.63	64.053		
7,200.00	7,181.00	6,344.48	6,289.77	26.99	22.91	-129.34	-2,565.37	-266.19	3,020.68	2,973.57	47.11	64.126		
7,222.08	7,203.02	6,358.52	6,302.42	27.07	22.99	-129.26	-2,569.60	-270.56	3,028.36	2,981.14	47.22	64.135		
7,250.00	7,230.81	6,376.34	6,318.47	27.18	23.08	-113.82	-2,575.00	-276.10	3,038.17	2,990.80	47.36	64.144		
7,300.00	7,280.16	6,406.00	6,345.16	27.39	23.25	-102.33	-2,584.08	-285.34	3,055.98	3,008.36	47.62	64.174		
7,350.00	7,328.67	6,434.17	6,370.43	27.61	23.40	-96.50	-2,592.85	-294.17	3,074.02	3,026.14	47.88	64.198		
7,400.00	7,375.96	6,460.22	6,393.71	27.86	23.55	-92.51	-2,601.13	-302.41	3,092.19	3,044.04	48.15	64.224		
7,450.00	7,421.67	6,500.00	6,429.11	28.12	23.78	-89.39	-2,614.08	-315.14	3,110.40	3,061.85	48.55	64.065		
7,500.00	7,465.45	6,500.00	6,429.11	28.40	23.78	-86.63	-2,614.08	-315.14	3,128.40	3,079.77	48.63	64.335		
7,550.00	7,506.97	6,533.77	6,458.99	28.70	23.98	-84.32	-2,625.38	-326.07	3,146.16	3,097.12	49.03	64.165		
7,600.00	7,545.92	6,556.17	6,478.74	29.02	24.11	-82.20	-2,633.06	-333.36	3,163.61	3,114.25	49.37	64.086		
7,650.00	7,582.00	6,594.00	6,511.92	29.37	24.34	-80.42	-2,646.33	-345.75	3,180.71	3,130.84	49.88	63.772		
7,700.00	7,614.93	6,594.00	6,511.92	29.76	24.34	-78.47	-2,646.33	-345.75	3,197.14	3,147.07	50.07	63.848		
7,750.00	7,644.47	6,619.41	6,534.10	30.18	24.50	-76.93	-2,655.46	-354.13	3,213.02	3,162.47	50.56	63.554		
7,800.00	7,670.38	6,638.84	6,551.02	30.64	24.62	-75.48	-2,662.54	-360.55	3,228.23	3,177.20	51.03	63.263		
7,850.00	7,692.48	6,656.86	6,566.66	31.14	24.73	-74.16	-2,669.20	-366.53	3,242.70	3,191.16	51.54	62.918		
7,900.00	7,710.59	6,689.00	6,594.47	31.68	24.94	-73.19	-2,681.26	-377.22	3,256.43	3,204.19	52.24	62.335		
7,950.00	7,724.57	6,689.00	6,594.47	32.27	24.94	-71.88	-2,681.26	-377.22	3,269.18	3,216.50	52.67	62.064		
8,000.00	7,734.32	6,711.22	6,613.65	32.89	25.08	-71.04	-2,689.69	-384.61	3,281.07	3,227.68	53.38	61.464		
8,050.00	7,739.77	6,731.37	6,631.07	33.54	25.21	-70.31	-2,697.33	-391.26	3,291.97	3,237.85	54.12	60.832		
8,085.63	7,741.00	6,743.49	6,641.56	34.02	25.29	-69.83	-2,701.93	-395.24	3,299.13	3,244.49	54.64	60.380		
8,100.00	7,741.05	6,748.00	6,645.45	34.22	25.32	-69.90	-2,703.64	-396.72	3,301.94	3,247.09	54.85	60.197		
8,200.00	7,741.40	6,778.99	6,672.29	35.69	25.52	-70.42	-2,715.40	-406.82	3,323.00	3,266.59	56.40	58.917		
8,300.00	7,741.75	6,815.16	6,703.65	37.30	25.76	-71.02	-2,729.11	-418.52	3,346.59	3,288.48	58.11	57.589		
8,400.00	7,742.10	6,851.82	6,735.48	39.03	26.01	-71.63	-2,742.95	-430.32	3,372.64	3,312.73	59.91	56.294		
8,500.00	7,742.44	6,877.00	6,757.37	40.86	26.17	-72.05	-2,752.42	-438.39	3,401.10	3,339.46	61.65	55.170		
8,600.00	7,742.79	6,907.52	6,783.89	42.79	26.38	-72.56	-2,763.93	-448.18	3,431.98	3,368.49	63.49	54.052		
8,700.00	7,743.14	6,931.13	6,804.35	44.80	26.55	-72.95	-2,772.91	-455.80	3,465.27	3,399.98	65.29	53.074		
8,800.00	7,743.49	6,954.96	6,824.96	46.87	26.71	-73.35	-2,782.04	-463.53	3,500.88	3,433.77	67.11	52.167		
8,900.00	7,743.84	6,990.65	6,855.77	49.01	26.96	-73.94	-2,795.79	-475.18	3,538.72	3,469.65	69.08	51.226		
9,000.00	7,744.19	7,270.90	7,098.44	51.20	28.98	-78.47	-2,895.53	-573.42	3,577.53	3,503.50	74.04	48.319		
9,100.00	7,744.54	7,297.22	7,121.42	53.43	29.17	-78.89	-2,904.10	-582.96	3,617.09	3,541.14	75.95	47.623		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	7,744.89	7,321.67	7,142.91	55.71	29.35	-79.28	-2,912.03	-591.51	3,658.71	3,580.89	77.83	47.012		
9,300.00	7,745.23	7,349.00	7,167.09	58.02	29.55	-79.72	-2,920.85	-600.70	3,702.35	3,622.64	79.71	46.449		
9,400.00	7,745.58	7,349.00	7,167.09	60.37	29.55	-79.72	-2,920.85	-600.70	3,748.01	3,666.79	81.22	46.145		
9,500.00	7,745.93	7,349.00	7,167.09	62.74	29.55	-79.72	-2,920.85	-600.70	3,795.75	3,713.06	82.69	45.902		
9,600.00	7,746.28	7,349.00	7,167.09	65.14	29.55	-79.72	-2,920.85	-600.70	3,845.50	3,761.39	84.12	45.717		
9,700.00	7,746.63	7,349.00	7,167.09	67.56	29.55	-79.72	-2,920.85	-600.70	3,897.19	3,811.70	85.49	45.585		
9,800.00	7,746.98	7,349.00	7,167.09	70.01	29.55	-79.72	-2,920.85	-600.70	3,950.73	3,863.91	86.82	45.505		
9,900.00	7,747.33	7,388.01	7,202.24	72.47	29.81	-80.36	-2,933.38	-612.04	4,005.12	3,916.53	88.59	45.207		
10,000.00	7,747.67	7,392.94	7,206.75	74.94	29.84	-80.44	-2,934.96	-613.25	4,061.87	3,971.98	89.90	45.184		
10,100.00	7,748.02	7,397.48	7,210.92	77.43	29.87	-80.51	-2,936.41	-614.33	4,120.24	4,029.10	91.14	45.206		
10,200.00	7,748.37	7,401.69	7,214.79	79.94	29.89	-80.58	-2,937.76	-615.29	4,180.16	4,087.82	92.34	45.268		
10,300.00	7,748.72	7,443.00	7,253.22	82.46	30.16	-81.27	-2,950.87	-622.80	4,242.51	4,148.55	93.96	45.153		
10,400.00	7,749.07	7,443.00	7,253.22	84.98	30.16	-81.27	-2,950.87	-622.80	4,305.19	4,210.17	95.02	45.310		
10,500.00	7,749.42	7,443.00	7,253.22	87.52	30.16	-81.27	-2,950.87	-622.80	4,369.26	4,273.23	96.03	45.499		
10,600.00	7,749.77	7,443.00	7,253.22	90.07	30.16	-81.27	-2,950.87	-622.80	4,434.66	4,337.67	97.00	45.719		
10,700.00	7,750.11	7,443.00	7,253.22	92.62	30.16	-81.27	-2,950.87	-622.80	4,501.34	4,403.42	97.92	45.968		
10,800.00	7,750.46	7,443.00	7,253.22	95.19	30.16	-81.27	-2,950.87	-622.80	4,569.23	4,470.42	98.81	46.244		
10,900.00	7,750.81	7,443.00	7,253.22	97.76	30.16	-81.27	-2,950.87	-622.80	4,638.28	4,538.63	99.65	46.544		
11,000.00	7,751.16	7,443.00	7,253.22	100.34	30.16	-81.27	-2,950.87	-622.80	4,708.44	4,607.98	100.46	46.869		
11,100.00	7,751.51	7,443.00	7,253.22	102.92	30.16	-81.27	-2,950.87	-622.80	4,779.67	4,678.44	101.23	47.216		
11,200.00	7,751.86	7,443.00	7,253.22	105.51	30.16	-81.27	-2,950.87	-622.80	4,851.91	4,749.94	101.97	47.583		
11,300.00	7,752.21	7,443.00	7,253.22	108.11	30.16	-81.27	-2,950.87	-622.80	4,925.12	4,822.45	102.67	47.971		
11,400.00	7,752.55	7,443.00	7,253.22	110.70	30.16	-81.27	-2,950.87	-622.80	4,999.26	4,895.92	103.34	48.376		
11,500.00	7,752.90	7,443.00	7,253.22	113.31	30.16	-81.27	-2,950.87	-622.80	5,074.29	4,970.31	103.98	48.800		
11,527.76	7,753.00	7,443.00	7,253.22	114.03	30.16	-81.27	-2,950.87	-622.80	5,095.27	4,991.11	104.15	48.920		
11,550.00	7,753.07	7,443.00	7,253.22	114.61	30.16	-81.60	-2,950.87	-622.80	5,111.84	5,007.55	104.29	49.014		
11,600.00	7,753.18	7,443.00	7,253.22	115.90	30.16	-82.21	-2,950.87	-622.80	5,147.11	5,042.50	104.61	49.202		
11,650.00	7,753.23	7,443.00	7,253.22	117.15	30.16	-82.70	-2,950.87	-622.80	5,179.45	5,074.52	104.93	49.359		
11,700.00	7,753.20	7,443.00	7,253.22	118.36	30.16	-83.09	-2,950.87	-622.80	5,208.68	5,103.43	105.25	49.488		
11,750.00	7,753.11	7,443.00	7,253.22	119.50	30.16	-83.41	-2,950.87	-622.80	5,234.63	5,129.07	105.56	49.591		
11,800.00	7,752.95	7,443.00	7,253.22	120.58	30.16	-83.67	-2,950.87	-622.80	5,257.15	5,151.31	105.84	49.671		
11,850.00	7,752.73	7,443.00	7,253.22	121.58	30.16	-83.89	-2,950.87	-622.80	5,276.11	5,170.02	106.09	49.734		
11,900.00	7,752.44	7,443.00	7,253.22	122.49	30.16	-84.06	-2,950.87	-622.80	5,291.41	5,185.11	106.29	49.781		
11,950.00	7,752.10	7,443.00	7,253.22	123.31	30.16	-84.20	-2,950.87	-622.80	5,302.96	5,196.51	106.45	49.815		
12,000.00	7,751.69	7,443.00	7,253.22	124.03	30.16	-84.31	-2,950.87	-622.80	5,310.71	5,204.15	106.56	49.840		
12,050.00	7,751.22	7,443.00	7,253.22	124.65	30.16	-84.39	-2,950.87	-622.80	5,314.60	5,208.01	106.60	49.858		
12,100.00	7,750.71	7,443.00	7,253.22	125.18	30.16	-84.44	-2,950.87	-622.80	5,314.62	5,208.05	106.57	49.869		
12,150.00	7,750.14	7,443.00	7,253.22	125.62	30.16	-84.47	-2,950.87	-622.80	5,310.77	5,204.29	106.48	49.877		
12,200.00	7,749.53	7,443.00	7,253.22	125.96	30.16	-84.46	-2,950.87	-622.80	5,303.07	5,196.75	106.32	49.880		
12,250.00	7,748.89	7,443.00	7,253.22	126.22	30.16	-84.42	-2,950.87	-622.80	5,291.55	5,185.47	106.09	49.879		
12,300.00	7,748.20	7,443.00	7,253.22	126.41	30.16	-84.34	-2,950.87	-622.80	5,276.30	5,170.50	105.79	49.873		
12,350.00	7,747.49	7,443.00	7,253.22	126.53	30.16	-84.22	-2,950.87	-622.80	5,257.37	5,151.93	105.44	49.860		
12,400.00	7,746.76	7,443.00	7,253.22	126.60	30.16	-84.05	-2,950.87	-622.80	5,234.89	5,129.86	105.04	49.838		
12,450.00	7,746.00	7,443.00	7,253.22	126.62	30.16	-83.82	-2,950.87	-622.80	5,208.98	5,104.39	104.59	49.804		
12,500.00	7,745.23	7,443.00	7,253.22	126.62	30.16	-83.50	-2,950.87	-622.80	5,179.79	5,075.68	104.11	49.755		
12,550.00	7,744.46	7,443.00	7,253.22	126.59	30.16	-83.09	-2,950.87	-622.80	5,147.48	5,043.88	103.60	49.686		
12,600.00	7,743.68	7,443.00	7,253.22	126.55	30.16	-82.54	-2,950.87	-622.80	5,112.24	5,009.16	103.08	49.594		
12,650.00	7,742.91	7,443.00	7,253.22	126.52	30.16	-81.82	-2,950.87	-622.80	5,074.29	4,971.72	102.57	49.473		
12,700.00	7,742.16	7,443.00	7,253.22	126.50	30.16	-80.83	-2,950.87	-622.80	5,033.85	4,931.79	102.06	49.321		
12,750.00	7,741.41	7,443.00	7,253.22	126.51	30.16	-79.47	-2,950.87	-622.80	4,991.18	4,889.59	101.59	49.132		
12,800.00	7,740.69	7,443.00	7,253.22	126.55	30.16	-77.50	-2,950.87	-622.80	4,946.55	4,845.40	101.15	48.902		
12,850.00	7,740.00	7,443.00	7,253.22	126.64	30.16	-74.52	-2,950.87	-622.80	4,900.24	4,799.47	100.77	48.629		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	
12,900.00	7,739.34	7,443.00	7,253.22	126.77	30.16	-69.58	-2,950.87	-622.80	4,852.57	4,752.13	100.45	48.309	
12,950.00	7,738.72	7,443.00	7,253.22	126.95	30.16	-60.31	-2,950.87	-622.80	4,803.87	4,703.67	100.20	47.941	
12,966.03	7,738.53	7,443.00	7,253.22	127.02	30.16	-55.52	-2,950.87	-622.80	4,788.10	4,687.95	100.14	47.812	
13,000.00	7,738.13	7,443.00	7,253.22	127.17	30.16	-55.52	-2,950.87	-622.80	4,754.60	4,654.57	100.02	47.535	
13,100.00	7,736.96	7,443.00	7,253.22	127.65	30.16	-55.52	-2,950.87	-622.80	4,656.03	4,556.37	99.66	46.719	
13,200.00	7,735.78	7,443.00	7,253.22	128.16	30.16	-55.52	-2,950.87	-622.80	4,557.52	4,458.24	99.28	45.904	
13,221.13	7,735.54	7,443.00	7,253.22	128.27	30.16	-55.52	-2,950.87	-622.80	4,536.71	4,437.51	99.20	45.732	
13,250.00	7,735.21	7,443.00	7,253.22	128.44	30.16	-43.53	-2,950.87	-622.80	4,508.20	4,409.09	99.11	45.488	
13,300.00	7,734.68	7,443.00	7,253.22	128.76	30.16	-5.11	-2,950.87	-622.80	4,458.54	4,359.52	99.02	45.026	
13,350.00	7,734.22	7,443.00	7,253.22	129.14	30.16	36.57	-2,950.87	-622.80	4,408.86	4,309.81	99.04	44.514	
13,400.00	7,733.83	7,443.00	7,253.22	129.57	30.16	56.94	-2,950.87	-622.80	4,359.53	4,260.35	99.18	43.956	
13,450.00	7,733.51	7,443.00	7,253.22	130.04	30.16	66.39	-2,950.87	-622.80	4,310.95	4,211.52	99.44	43.354	
13,500.00	7,733.25	7,443.00	7,253.22	130.54	30.16	71.52	-2,950.87	-622.80	4,263.53	4,163.71	99.82	42.712	
13,550.00	7,733.08	7,443.00	7,253.22	131.06	30.16	74.68	-2,950.87	-622.80	4,217.66	4,117.33	100.34	42.036	
13,582.30	7,733.00	7,443.00	7,253.22	131.41	30.16	76.12	-2,950.87	-622.80	4,189.05	4,088.32	100.74	41.584	
13,600.00	7,732.97	7,443.00	7,253.22	131.60	30.16	76.12	-2,950.87	-622.80	4,173.63	4,072.65	100.98	41.333	
13,700.00	7,732.78	7,443.00	7,253.22	132.71	30.16	76.12	-2,950.87	-622.80	4,086.83	3,984.46	102.38	39.920	
13,800.00	7,732.60	7,443.00	7,253.22	133.86	30.16	76.12	-2,950.87	-622.80	4,000.65	3,896.78	103.87	38.515	
13,900.00	7,732.41	7,443.00	7,253.22	135.06	30.16	76.12	-2,950.87	-622.80	3,915.13	3,809.66	105.47	37.121	
14,000.00	7,732.23	7,443.00	7,253.22	136.31	30.16	76.12	-2,950.87	-622.80	3,830.31	3,723.14	107.17	35.739	
14,100.00	7,732.05	7,443.00	7,253.22	137.59	30.16	76.12	-2,950.87	-622.80	3,746.24	3,637.25	108.99	34.373	
14,200.00	7,731.86	7,443.00	7,253.22	138.92	30.16	76.12	-2,950.87	-622.80	3,662.97	3,552.05	110.92	33.024	
14,300.00	7,731.68	7,443.00	7,253.22	140.29	30.16	76.12	-2,950.87	-622.80	3,580.56	3,467.59	112.97	31.695	
14,400.00	7,731.49	7,443.00	7,253.22	141.69	30.16	76.12	-2,950.87	-622.80	3,499.06	3,383.91	115.15	30.388	
14,500.00	7,731.31	7,443.00	7,253.22	143.14	30.16	76.12	-2,950.87	-622.80	3,418.54	3,301.09	117.45	29.106	
14,600.00	7,731.12	7,443.00	7,253.22	144.62	30.16	76.12	-2,950.87	-622.80	3,339.08	3,219.19	119.89	27.850	
14,700.00	7,730.94	7,443.00	7,253.22	146.13	30.16	76.12	-2,950.87	-622.80	3,260.75	3,138.28	122.48	26.623	
14,800.00	7,730.76	7,443.00	7,253.22	147.68	30.16	76.12	-2,950.87	-622.80	3,183.64	3,058.43	125.20	25.428	
14,900.00	7,730.57	7,443.00	7,253.22	149.26	30.16	76.12	-2,950.87	-622.80	3,107.82	2,979.75	128.07	24.266	
15,000.00	7,730.39	7,443.00	7,253.22	150.88	30.16	76.12	-2,950.87	-622.80	3,033.41	2,902.31	131.10	23.139	
15,100.00	7,730.20	7,443.00	7,253.22	152.52	30.16	76.12	-2,950.87	-622.80	2,960.51	2,826.24	134.27	22.049	
15,200.00	7,730.02	7,443.00	7,253.22	154.20	30.16	76.12	-2,950.87	-622.80	2,889.23	2,751.63	137.60	20.997	
15,300.00	7,729.83	7,443.00	7,253.22	155.90	30.16	76.12	-2,950.87	-622.80	2,819.69	2,678.62	141.08	19.987	
15,400.00	7,729.65	7,443.00	7,253.22	157.63	30.16	76.12	-2,950.87	-622.80	2,752.04	2,607.33	144.71	19.018	
15,500.00	7,729.47	7,443.00	7,253.22	159.39	30.16	76.12	-2,950.87	-622.80	2,686.40	2,537.92	148.48	18.093	
15,600.00	7,729.28	7,443.00	7,253.22	161.18	30.16	76.12	-2,950.87	-622.80	2,622.93	2,470.54	152.39	17.212	
15,700.00	7,729.10	7,443.00	7,253.22	162.99	30.16	76.12	-2,950.87	-622.80	2,561.80	2,405.36	156.43	16.377	
15,800.00	7,728.91	7,443.00	7,253.22	164.82	30.16	76.12	-2,950.87	-622.80	2,503.16	2,342.58	160.59	15.588	
15,900.00	7,728.73	7,443.00	7,253.22	166.68	30.16	76.12	-2,950.87	-622.80	2,447.21	2,282.37	164.84	14.846	
16,000.00	7,728.54	7,443.00	7,253.22	168.56	30.16	76.12	-2,950.87	-622.80	2,394.14	2,224.96	169.18	14.152	
16,100.00	7,728.36	7,443.00	7,253.22	170.46	30.16	76.12	-2,950.87	-622.80	2,344.12	2,170.56	173.57	13.506	
16,200.00	7,728.18	7,443.00	7,253.22	172.39	30.16	76.12	-2,950.87	-622.80	2,297.38	2,119.40	177.98	12.908	
16,300.00	7,727.99	7,443.00	7,253.22	174.33	30.16	76.12	-2,950.87	-622.80	2,254.10	2,071.71	182.39	12.359	
16,400.00	7,727.81	7,416.47	7,228.45	176.30	29.99	75.39	-2,942.47	-618.38	2,214.15	2,028.20	185.95	11.907	
16,500.00	7,727.62	7,406.92	7,219.61	178.28	29.93	75.13	-2,939.43	-616.43	2,178.18	1,988.25	189.93	11.469	
16,600.00	7,727.44	7,395.20	7,208.82	180.29	29.85	74.81	-2,935.68	-613.79	2,146.16	1,952.46	193.70	11.080	
16,700.00	7,727.25	7,380.47	7,195.37	182.31	29.76	74.41	-2,930.96	-610.09	2,118.24	1,921.03	197.20	10.741	
16,800.00	7,727.07	7,349.00	7,167.09	184.35	29.55	73.57	-2,920.85	-600.70	2,094.56	1,894.64	199.93	10.477	
16,837.81	7,727.00	7,349.00	7,167.09	185.12	29.55	73.57	-2,920.85	-600.70	2,086.65	1,885.35	201.30	10.366 CC, ES, SF	

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	77.25	1,040.05	4,595.62	4,711.84					
100.00	100.00	104.53	104.53	0.27	0.19	77.25	1,040.06	4,595.61	4,711.83	4,711.38	0.45	N/A		
200.00	200.00	205.04	205.04	0.63	0.36	77.25	1,040.06	4,595.59	4,711.81	4,710.82	0.99	4,757.827		
300.00	300.00	305.56	305.56	0.99	0.54	77.25	1,040.08	4,595.56	4,711.79	4,710.26	1.53	3,086.168		
304.45	304.45	310.03	310.03	1.00	0.55	129.49	1,040.08	4,595.56	4,711.79	4,710.24	1.55	3,038.886		
400.00	399.98	406.05	406.05	1.34	0.72	129.49	1,040.09	4,595.52	4,712.86	4,710.80	2.06	2,287.404		
500.00	499.84	506.42	506.42	1.70	0.90	129.49	1,040.12	4,595.46	4,716.14	4,713.54	2.60	1,817.010		
514.88	514.68	521.34	521.34	1.76	0.92	129.49	1,040.12	4,595.45	4,716.82	4,714.14	2.68	1,762.026		
600.00	599.56	606.66	606.66	2.07	1.07	129.55	1,040.15	4,595.39	4,720.83	4,717.70	3.13	1,506.127		
700.00	699.28	706.90	706.90	2.44	1.25	129.62	1,040.18	4,595.31	4,725.54	4,721.87	3.67	1,286.011		
800.00	799.00	807.13	807.13	2.81	1.43	129.69	1,040.22	4,595.22	4,730.25	4,726.03	4.22	1,121.793		
900.00	898.72	907.38	907.38	3.18	1.61	129.76	1,040.26	4,595.11	4,734.96	4,730.20	4.76	994.724		
1,000.00	998.43	1,007.62	1,007.62	3.55	1.78	129.83	1,040.31	4,595.00	4,739.66	4,734.35	5.30	893.548		
1,100.00	1,098.15	1,107.86	1,107.86	3.93	1.96	129.89	1,040.36	4,594.87	4,744.35	4,738.50	5.85	811.117		
1,200.00	1,197.87	1,208.11	1,208.11	4.31	2.14	129.96	1,040.42	4,594.72	4,749.04	4,742.65	6.39	742.682		
1,300.00	1,297.59	1,308.36	1,308.36	4.68	2.32	130.03	1,040.49	4,594.57	4,753.73	4,746.79	6.94	684.969		
1,400.00	1,397.31	1,408.61	1,408.61	5.06	2.49	130.10	1,040.56	4,594.40	4,758.41	4,750.93	7.49	635.647		
1,500.00	1,497.03	1,508.86	1,508.86	5.44	2.67	130.17	1,040.63	4,594.23	4,763.09	4,755.06	8.03	593.015		
1,600.00	1,596.75	1,609.12	1,609.12	5.81	2.85	130.24	1,040.71	4,594.03	4,767.77	4,759.19	8.58	555.800		
1,700.00	1,696.47	1,709.38	1,709.37	6.19	3.03	130.30	1,040.80	4,593.83	4,772.44	4,763.31	9.12	523.034		
1,800.00	1,796.19	1,809.63	1,809.63	6.57	3.20	130.37	1,040.89	4,593.62	4,777.11	4,767.43	9.67	493.965		
1,900.00	1,895.90	1,909.89	1,909.89	6.94	3.38	130.44	1,040.98	4,593.39	4,781.77	4,771.55	10.22	468.001		
2,000.00	1,995.62	2,006.69	2,006.68	7.32	3.61	130.50	1,041.07	4,593.17	4,786.44	4,775.62	10.81	442.725		
2,100.00	2,095.34	2,073.29	2,073.28	7.70	3.84	130.55	1,040.87	4,593.29	4,791.46	4,780.05	11.41	419.981		
2,200.00	2,195.06	2,129.03	2,129.02	8.08	4.02	130.60	1,040.06	4,594.01	4,797.33	4,785.37	11.96	401.161		
2,300.00	2,294.78	2,186.41	2,186.34	8.45	4.21	130.66	1,038.10	4,595.55	4,804.15	4,791.63	12.51	383.960		
2,400.00	2,394.50	2,248.92	2,248.72	8.83	4.42	130.75	1,034.84	4,597.94	4,811.77	4,798.68	13.08	367.756		
2,500.00	2,494.22	2,311.83	2,311.45	9.21	4.63	130.84	1,031.16	4,600.91	4,820.17	4,806.51	13.66	352.918		
2,600.00	2,593.94	2,455.94	2,455.13	9.59	5.12	131.06	1,022.25	4,607.46	4,828.30	4,813.77	14.53	332.396		
2,700.00	2,693.65	2,634.64	2,633.37	9.97	5.75	131.32	1,010.99	4,613.48	4,835.34	4,819.81	15.53	311.368		
2,800.00	2,793.37	2,690.00	2,688.58	10.34	5.95	131.41	1,007.23	4,615.01	4,841.91	4,825.82	16.09	300.929		
2,900.00	2,893.09	2,753.30	2,751.70	10.72	6.17	131.50	1,003.02	4,617.32	4,849.33	4,832.66	16.68	290.741		
3,000.00	2,992.81	12,159.00	7,717.70	11.10	126.23	102.88	714.98	28.27	4,761.84	4,715.86	45.98	103.568		
3,100.00	3,092.53	12,159.00	7,717.70	11.48	126.23	102.88	714.98	28.27	4,662.64	4,616.46	46.18	100.959		
3,200.00	3,192.25	12,159.00	7,717.70	11.86	126.23	102.88	714.98	28.27	4,563.49	4,517.09	46.40	98.358		
3,300.00	3,291.97	12,159.00	7,717.70	12.23	126.23	102.88	714.98	28.27	4,464.37	4,417.75	46.62	95.766		
3,400.00	3,391.69	12,159.00	7,717.70	12.61	126.23	102.88	714.98	28.27	4,365.29	4,318.44	46.85	93.182		
3,500.00	3,491.41	12,159.00	7,717.70	12.99	126.23	102.88	714.98	28.27	4,266.25	4,219.17	47.09	90.607		
3,600.00	3,591.12	12,159.00	7,717.70	13.37	126.23	102.88	714.98	28.27	4,167.26	4,119.93	47.33	88.042		
3,700.00	3,690.84	12,159.00	7,717.70	13.75	126.23	102.88	714.98	28.27	4,068.32	4,020.73	47.59	85.487		
3,800.00	3,790.56	12,159.00	7,717.70	14.13	126.23	102.88	714.98	28.27	3,969.43	3,921.57	47.86	82.943		
3,900.00	3,890.28	12,159.00	7,717.70	14.50	126.23	102.88	714.98	28.27	3,870.60	3,822.46	48.14	80.409		
4,000.00	3,990.00	12,159.00	7,717.70	14.88	126.23	102.88	714.98	28.27	3,771.83	3,723.40	48.43	77.887		
4,100.00	4,089.72	12,159.00	7,717.70	15.26	126.23	102.88	714.98	28.27	3,673.13	3,624.40	48.73	75.376		
4,200.00	4,189.44	12,159.00	7,717.70	15.64	126.23	102.88	714.98	28.27	3,574.50	3,525.45	49.05	72.877		
4,300.00	4,289.16	12,159.00	7,717.70	16.02	126.23	102.88	714.98	28.27	3,475.95	3,426.56	49.38	70.390		
4,400.00	4,388.87	12,159.00	7,717.70	16.39	126.23	102.88	714.98	28.27	3,377.48	3,327.75	49.73	67.916		
4,500.00	4,488.59	12,159.00	7,717.70	16.77	126.23	102.88	714.98	28.27	3,279.10	3,229.01	50.10	65.455		
4,600.00	4,588.31	12,159.00	7,717.70	17.15	126.23	102.88	714.98	28.27	3,180.83	3,130.35	50.48	63.008		
4,700.00	4,688.03	12,159.00	7,717.70	17.53	126.23	102.88	714.98	28.27	3,082.67	3,031.78	50.89	60.575		
4,800.00	4,787.75	12,159.00	7,717.70	17.91	126.23	102.88	714.98	28.27	2,984.63	2,933.31	51.32	58.156		
4,900.00	4,887.47	12,159.00	7,717.70	18.29	126.23	102.88	714.98	28.27	2,886.72	2,834.95	51.78	55.752		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,000.00	4,987.19	12,159.00	7,717.70	18.66	126.23	102.88	714.98	28.27	2,788.97	2,736.70	52.26	53.364		
5,100.00	5,086.91	12,159.00	7,717.70	19.04	126.23	102.88	714.98	28.27	2,691.38	2,638.60	52.78	50.991		
5,200.00	5,186.63	12,159.00	7,717.70	19.42	126.23	102.88	714.98	28.27	2,593.97	2,540.63	53.33	48.636		
5,300.00	5,286.34	12,159.00	7,717.70	19.80	126.23	102.88	714.98	28.27	2,496.76	2,442.84	53.93	46.298		
5,400.00	5,386.06	12,159.00	7,717.70	20.18	126.23	102.88	714.98	28.27	2,399.79	2,345.22	54.57	43.979		
5,500.00	5,485.78	12,159.00	7,717.70	20.56	126.23	102.88	714.98	28.27	2,303.08	2,247.82	55.26	41.679		
5,600.00	5,585.50	12,159.00	7,717.70	20.93	126.23	102.88	714.98	28.27	2,206.65	2,150.65	56.01	39.400		
5,700.00	5,685.22	12,159.00	7,717.70	21.31	126.23	102.88	714.98	28.27	2,110.57	2,053.74	56.82	37.144		
5,800.00	5,784.94	12,159.00	7,717.70	21.69	126.23	102.88	714.98	28.27	2,014.86	1,957.14	57.71	34.911		
5,900.00	5,884.66	12,159.00	7,717.70	22.07	126.23	102.88	714.98	28.27	1,919.59	1,860.89	58.70	32.704		
6,000.00	5,984.38	12,159.00	7,717.70	22.45	126.23	102.88	714.98	28.27	1,824.82	1,765.04	59.78	30.526		
6,100.00	6,084.09	12,159.00	7,717.70	22.83	126.23	102.88	714.98	28.27	1,730.65	1,669.66	60.98	28.379		
6,200.00	6,183.81	12,159.00	7,717.70	23.20	126.23	102.88	714.98	28.27	1,637.16	1,574.84	62.33	26.267		
6,300.00	6,283.53	12,159.00	7,717.70	23.58	126.23	102.88	714.98	28.27	1,544.50	1,480.66	63.84	24.195		
6,400.00	6,383.25	12,159.00	7,717.70	23.96	126.23	102.88	714.98	28.27	1,452.80	1,387.26	65.54	22.168		
6,500.00	6,482.97	12,159.00	7,717.70	24.34	126.23	102.88	714.98	28.27	1,362.27	1,294.81	67.47	20.192		
6,600.00	6,582.69	12,159.00	7,717.70	24.72	126.23	102.88	714.98	28.27	1,273.17	1,203.51	69.66	18.276		
6,700.00	6,682.41	12,159.00	7,717.70	25.09	126.23	102.88	714.98	28.27	1,185.80	1,113.62	72.18	16.429		
6,800.00	6,782.13	12,159.00	7,717.70	25.47	126.23	102.88	714.98	28.27	1,100.58	1,025.53	75.05	14.664		
6,900.00	6,881.84	12,159.00	7,717.70	25.85	126.23	102.88	714.98	28.27	1,018.06	939.71	78.35	12.994		
7,000.00	6,981.56	12,159.00	7,717.70	26.23	126.23	102.88	714.98	28.27	938.94	856.83	82.11	11.435		
7,100.00	7,081.28	12,159.00	7,717.70	26.61	126.23	102.88	714.98	28.27	864.16	777.81	86.35	10.007		
7,200.00	7,181.00	12,159.00	7,717.70	26.99	126.23	102.88	714.98	28.27	794.94	703.90	91.04	8.732		
7,222.08	7,203.02	12,159.00	7,717.70	27.07	126.23	102.88	714.98	28.27	780.56	688.43	92.12	8.473		
7,250.00	7,230.81	12,159.00	7,717.70	27.18	126.23	118.59	714.98	28.27	763.31	669.83	93.48	8.166		
7,300.00	7,280.16	12,159.00	7,717.70	27.39	126.23	130.05	714.98	28.27	736.31	640.56	95.75	7.690		
7,350.00	7,328.67	12,159.00	7,717.70	27.61	126.23	135.30	714.98	28.27	714.93	617.26	97.68	7.319		
7,400.00	7,375.96	12,159.00	7,717.70	27.86	126.23	138.27	714.98	28.27	699.87	600.76	99.12	7.061		
7,450.00	7,421.67	12,159.00	7,717.70	28.12	126.23	140.01	714.98	28.27	691.66	591.73	99.93	6.922		
7,482.33	7,450.21	12,159.00	7,717.70	28.30	126.23	140.68	714.98	28.27	690.15	590.07	100.08	6.896 CC, ES, SF		
7,500.00	7,465.45	12,159.00	7,717.70	28.40	126.23	140.92	714.98	28.27	690.60	590.57	100.03	6.904		
7,550.00	7,506.97	12,159.00	7,717.70	28.70	126.23	141.17	714.98	28.27	696.74	597.32	99.42	7.008		
7,600.00	7,545.92	12,159.00	7,717.70	29.02	126.23	140.84	714.98	28.27	709.84	611.69	98.15	7.232		
7,650.00	7,582.00	12,159.00	7,717.70	29.37	126.23	139.93	714.98	28.27	729.42	633.07	96.36	7.570		
7,700.00	7,614.93	12,159.00	7,717.70	29.76	126.23	138.39	714.98	28.27	754.86	660.67	94.19	8.014		
7,750.00	7,644.47	12,159.00	7,717.70	30.18	126.23	136.13	714.98	28.27	785.38	693.57	91.81	8.554		
7,800.00	7,670.38	12,159.00	7,717.70	30.64	126.23	133.01	714.98	28.27	820.22	730.87	89.35	9.180		
7,850.00	7,692.48	12,159.00	7,717.70	31.14	126.23	128.80	714.98	28.27	858.58	771.67	86.92	9.878		
7,900.00	7,710.59	12,159.00	7,717.70	31.68	126.23	123.23	714.98	28.27	899.76	815.18	84.58	10.638		
7,950.00	7,724.57	12,159.00	7,717.70	32.27	126.23	115.94	714.98	28.27	943.09	860.70	82.39	11.447		
8,000.00	7,734.32	12,159.00	7,717.70	32.89	126.23	106.66	714.98	28.27	987.98	907.61	80.37	12.293		
8,050.00	7,739.77	12,159.00	7,717.70	33.54	126.23	95.40	714.98	28.27	1,033.91	955.38	78.53	13.165		
8,085.63	7,741.00	12,159.00	7,717.70	34.02	126.23	86.47	714.98	28.27	1,067.02	989.69	77.33	13.798		
8,100.00	7,741.05	12,159.00	7,717.70	34.22	126.23	86.47	714.98	28.27	1,080.42	1,003.55	76.87	14.055		
8,200.00	7,741.40	12,159.00	7,717.70	35.69	126.23	86.47	714.98	28.27	1,174.33	1,100.34	74.00	15.870		
8,300.00	7,741.75	12,159.00	7,717.70	37.30	126.23	86.47	714.98	28.27	1,269.17	1,197.57	71.61	17.724		
8,400.00	7,742.10	12,159.00	7,717.70	39.03	126.23	86.47	714.98	28.27	1,364.75	1,295.14	69.61	19.607		
8,500.00	7,742.44	12,159.00	7,717.70	40.86	126.23	86.47	714.98	28.27	1,460.92	1,393.00	67.92	21.509		
8,600.00	7,742.79	12,159.00	7,717.70	42.79	126.23	86.47	714.98	28.27	1,557.57	1,491.07	66.49	23.424		
8,700.00	7,743.14	12,159.00	7,717.70	44.80	126.23	86.47	714.98	28.27	1,654.62	1,589.34	65.28	25.347		
8,800.00	7,743.49	12,159.00	7,717.70	46.87	126.23	86.47	714.98	28.27	1,752.00	1,687.76	64.24	27.273		
8,900.00	7,743.84	12,159.00	7,717.70	49.01	126.23	86.47	714.98	28.27	1,849.66	1,786.31	63.35	29.200		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,000.00	7,744.19	12,159.00	7,717.70	51.20	126.23	86.47	714.98	28.27	1,947.56	1,884.98	62.57	31.124		
9,100.00	7,744.54	12,159.00	7,717.70	53.43	126.23	86.47	714.98	28.27	2,045.66	1,983.75	61.91	33.044		
9,200.00	7,744.89	12,159.00	7,717.70	55.71	126.23	86.47	714.98	28.27	2,143.94	2,082.61	61.33	34.959		
9,300.00	7,745.23	12,159.00	7,717.70	58.02	126.23	86.47	714.98	28.27	2,242.36	2,181.54	60.82	36.867		
9,400.00	7,745.58	12,159.00	7,717.70	60.37	126.23	86.47	714.98	28.27	2,340.93	2,280.54	60.38	38.768		
9,500.00	7,745.93	12,159.00	7,717.70	62.74	126.23	86.47	714.98	28.27	2,439.61	2,379.61	60.00	40.662		
9,600.00	7,746.28	12,159.00	7,717.70	65.14	126.23	86.47	714.98	28.27	2,538.39	2,478.73	59.66	42.547		
9,700.00	7,746.63	12,159.00	7,717.70	67.56	126.23	86.47	714.98	28.27	2,637.26	2,577.90	59.36	44.425		
9,800.00	7,746.98	12,159.00	7,717.70	70.01	126.23	86.47	714.98	28.27	2,736.22	2,677.12	59.10	46.295		
9,900.00	7,747.33	12,159.00	7,717.70	72.47	126.23	86.47	714.98	28.27	2,835.25	2,776.37	58.88	48.157		
10,000.00	7,747.67	12,159.00	7,717.70	74.94	126.23	86.47	714.98	28.27	2,934.34	2,875.67	58.67	50.010		
10,100.00	7,748.02	12,159.00	7,717.70	77.43	126.23	86.47	714.98	28.27	3,033.50	2,975.00	58.50	51.856		
10,200.00	7,748.37	12,159.00	7,717.70	79.94	126.23	86.47	714.98	28.27	3,132.71	3,074.36	58.34	53.695		
10,300.00	7,748.72	12,159.00	7,717.70	82.46	126.23	86.47	714.98	28.27	3,231.97	3,173.76	58.21	55.525		
10,400.00	7,749.07	12,159.00	7,717.70	84.98	126.23	86.47	714.98	28.27	3,331.27	3,273.18	58.09	57.348		
10,500.00	7,749.42	12,159.00	7,717.70	87.52	126.23	86.47	714.98	28.27	3,430.61	3,372.62	57.98	59.164		
10,600.00	7,749.77	12,159.00	7,717.70	90.07	126.23	86.47	714.98	28.27	3,529.99	3,472.09	57.89	60.973		
10,700.00	7,750.11	12,159.00	7,717.70	92.62	126.23	86.47	714.98	28.27	3,629.40	3,571.59	57.82	62.775		
10,800.00	7,750.46	12,159.00	7,717.70	95.19	126.23	86.47	714.98	28.27	3,728.85	3,671.10	57.75	64.570		
10,900.00	7,750.81	12,159.00	7,717.70	97.76	126.23	86.47	714.98	28.27	3,828.32	3,770.63	57.69	66.358		
11,000.00	7,751.16	12,159.00	7,717.70	100.34	126.23	86.47	714.98	28.27	3,927.82	3,870.18	57.64	68.140		
11,100.00	7,751.51	12,159.00	7,717.70	102.92	126.23	86.47	714.98	28.27	4,027.35	3,969.74	57.60	69.915		
11,200.00	7,751.86	12,159.00	7,717.70	105.51	126.23	86.47	714.98	28.27	4,126.89	4,069.32	57.57	71.684		
11,300.00	7,752.21	12,159.00	7,717.70	108.11	126.23	86.47	714.98	28.27	4,226.46	4,168.92	57.54	73.446		
11,400.00	7,752.55	12,159.00	7,717.70	110.70	126.23	86.47	714.98	28.27	4,326.05	4,268.53	57.53	75.203		
11,500.00	7,752.90	12,159.00	7,717.70	113.31	126.23	86.47	714.98	28.27	4,425.66	4,368.15	57.51	76.954		
11,527.76	7,753.00	12,159.00	7,717.70	114.03	126.23	86.47	714.98	28.27	4,453.31	4,395.80	57.51	77.438		
11,550.00	7,753.07	12,159.00	7,717.70	114.61	126.23	82.94	714.98	28.27	4,475.50	4,418.00	57.51	77.824		
11,600.00	7,753.18	12,159.00	7,717.70	115.90	126.23	-79.73	714.98	28.27	4,525.49	4,467.96	57.53	78.668		
11,650.00	7,753.23	12,159.00	7,717.70	117.15	126.23	-86.16	714.98	28.27	4,575.30	4,517.73	57.57	79.475		
11,700.00	7,753.20	12,159.00	7,717.70	118.36	126.23	-87.36	714.98	28.27	4,624.57	4,566.94	57.64	80.238		
11,750.00	7,753.11	12,159.00	7,717.70	119.50	126.23	-87.88	714.98	28.27	4,672.95	4,615.22	57.73	80.943		
11,800.00	7,752.95	12,159.00	7,717.70	120.58	126.23	-88.17	714.98	28.27	4,720.11	4,662.25	57.86	81.577		
11,850.00	7,752.73	12,159.00	7,717.70	121.58	126.23	-88.36	714.98	28.27	4,765.72	4,707.69	58.03	82.128		
11,900.00	7,752.44	12,159.00	7,717.70	122.49	126.23	-88.51	714.98	28.27	4,809.49	4,751.25	58.24	82.579		
11,950.00	7,752.10	12,159.00	7,717.70	123.31	126.23	-88.63	714.98	28.27	4,851.15	4,792.64	58.51	82.916		
12,000.00	7,751.69	12,159.00	7,717.70	124.03	126.23	-88.73	714.98	28.27	4,890.42	4,831.59	58.83	83.126		
12,050.00	7,751.22	12,159.00	7,717.70	124.65	126.23	-88.82	714.98	28.27	4,927.07	4,867.85	59.22	83.196		
12,100.00	7,750.71	12,159.00	7,717.70	125.18	126.23	-88.91	714.98	28.27	4,960.89	4,901.20	59.69	83.115		
12,150.00	7,750.14	12,159.00	7,717.70	125.62	126.23	-89.00	714.98	28.27	4,991.67	4,931.44	60.23	82.876		
12,200.00	7,749.53	12,159.00	7,717.70	125.96	126.23	-89.08	714.98	28.27	5,019.25	4,958.39	60.86	82.470		
12,250.00	7,748.89	12,159.00	7,717.70	126.22	126.23	-89.17	714.98	28.27	5,043.46	4,981.87	61.58	81.896		
12,300.00	7,748.20	12,159.00	7,717.70	126.41	126.23	-89.25	714.98	28.27	5,064.16	5,001.76	62.40	81.153		
12,350.00	7,747.49	12,159.00	7,717.70	126.53	126.23	-89.33	714.98	28.27	5,081.26	5,017.94	63.32	80.243		
12,400.00	7,746.76	12,159.00	7,717.70	126.60	126.23	-89.42	714.98	28.27	5,094.65	5,030.30	64.35	79.173		
12,450.00	7,746.00	12,159.00	7,717.70	126.62	126.23	-89.50	714.98	28.27	5,104.26	5,038.77	65.48	77.951		
12,500.00	7,745.23	12,159.00	7,717.70	126.62	126.23	-89.58	714.98	28.27	5,110.03	5,043.31	66.72	76.589		
12,550.00	7,744.46	12,159.00	7,717.70	126.59	126.23	-89.66	714.98	28.27	5,111.95	5,043.88	68.06	75.104		
12,600.00	7,743.68	12,159.00	7,717.70	126.55	126.23	-89.73	714.98	28.27	5,109.99	5,040.48	69.51	73.513		
12,650.00	7,742.91	12,159.00	7,717.70	126.52	126.23	-89.81	714.98	28.27	5,104.17	5,033.12	71.05	71.837		
12,700.00	7,742.16	12,159.00	7,717.70	126.50	126.23	-89.88	714.98	28.27	5,094.52	5,021.84	72.68	70.097		
12,750.00	7,741.41	12,159.00	7,717.70	126.51	126.23	-89.94	714.98	28.27	5,081.09	5,006.71	74.38	68.317		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,800.00	7,740.69	12,159.00	7,717.70	126.55	126.23	-90.00	714.98	28.27	5,063.95	4,987.82	76.13	66.518		
12,850.00	7,740.00	12,159.00	7,717.70	126.64	126.23	-90.06	714.98	28.27	5,043.20	4,965.28	77.92	64.722		
12,900.00	7,739.34	12,159.00	7,717.70	126.77	126.23	-90.10	714.98	28.27	5,018.95	4,939.23	79.73	62.950		
12,950.00	7,738.72	12,159.00	7,717.70	126.95	126.23	-90.14	714.98	28.27	4,991.34	4,909.81	81.53	61.221		
12,966.03	7,738.53	12,159.00	7,717.70	127.02	126.23	-90.15	714.98	28.27	4,981.80	4,899.70	82.10	60.676		
13,000.00	7,738.13	12,159.00	7,717.70	127.17	126.23	-90.15	714.98	28.27	4,961.32	4,877.99	83.32	59.542		
13,100.00	7,736.96	12,159.00	7,717.70	127.65	126.23	-90.15	714.98	28.27	4,901.87	4,814.81	87.07	56.300		
13,200.00	7,735.78	12,159.00	7,717.70	128.16	126.23	-90.15	714.98	28.27	4,843.77	4,752.74	91.03	53.214		
13,221.13	7,735.54	12,159.00	7,717.70	128.27	126.23	-90.15	714.98	28.27	4,831.67	4,739.78	91.89	52.582		
13,250.00	7,735.21	12,159.00	7,717.70	128.44	126.23	-90.16	714.98	28.27	4,814.64	4,721.58	93.06	51.734		
13,300.00	7,734.68	12,159.00	7,717.70	128.76	126.23	-90.17	714.98	28.27	4,782.70	4,687.65	95.05	50.317		
13,350.00	7,734.22	12,159.00	7,717.70	129.14	126.23	-90.16	714.98	28.27	4,747.81	4,650.85	96.95	48.971		
13,400.00	7,733.83	12,159.00	7,717.70	129.57	126.23	-90.12	714.98	28.27	4,710.16	4,611.43	98.74	47.704		
13,450.00	7,733.51	12,159.00	7,717.70	130.04	126.23	-90.05	714.98	28.27	4,669.99	4,569.61	100.38	46.522		
13,500.00	7,733.25	12,159.00	7,717.70	130.54	126.23	-89.94	714.98	28.27	4,627.54	4,525.67	101.87	45.427		
13,550.00	7,733.08	12,159.00	7,717.70	131.06	126.23	-89.77	714.98	28.27	4,583.07	4,479.90	103.17	44.423		
13,582.30	7,733.00	12,159.00	7,717.70	131.41	126.23	-89.61	714.98	28.27	4,553.41	4,449.50	103.90	43.823		
13,600.00	7,732.97	12,159.00	7,717.70	131.60	126.23	-89.61	714.98	28.27	4,536.97	4,432.69	104.28	43.506		
13,700.00	7,732.78	12,159.00	7,717.70	132.71	126.23	-89.61	714.98	28.27	4,444.30	4,337.81	106.49	41.735		
13,800.00	7,732.60	12,159.00	7,717.70	133.86	126.23	-89.61	714.98	28.27	4,351.95	4,243.14	108.80	39.999		
13,900.00	7,732.41	12,159.00	7,717.70	135.06	126.23	-89.61	714.98	28.27	4,259.94	4,148.71	111.24	38.297		
14,000.00	7,732.23	12,159.00	7,717.70	136.31	126.23	-89.61	714.98	28.27	4,168.30	4,054.51	113.79	36.631		
14,100.00	7,732.05	12,159.00	7,717.70	137.59	126.23	-89.61	714.98	28.27	4,077.06	3,960.58	116.48	35.003		
14,200.00	7,731.86	12,159.00	7,717.70	138.92	126.23	-89.61	714.98	28.27	3,986.24	3,866.93	119.30	33.413		
14,300.00	7,731.68	12,159.00	7,717.70	140.29	126.23	-89.61	714.98	28.27	3,895.86	3,773.59	122.27	31.862		
14,400.00	7,731.49	12,159.00	7,717.70	141.69	126.23	-89.61	714.98	28.27	3,805.97	3,680.58	125.39	30.352		
14,500.00	7,731.31	12,159.00	7,717.70	143.14	126.23	-89.61	714.98	28.27	3,716.59	3,587.92	128.68	28.883		
14,600.00	7,731.12	12,159.00	7,717.70	144.62	126.23	-89.61	714.98	28.27	3,627.77	3,495.64	132.13	27.456		
14,700.00	7,730.94	12,159.00	7,717.70	146.13	126.23	-89.61	714.98	28.27	3,539.55	3,403.79	135.76	26.072		
14,800.00	7,730.76	12,159.00	7,717.70	147.68	126.23	-89.61	714.98	28.27	3,451.97	3,312.38	139.58	24.731		
14,900.00	7,730.57	12,159.00	7,717.70	149.26	126.23	-89.61	714.98	28.27	3,365.07	3,221.48	143.60	23.434		
15,000.00	7,730.39	12,159.00	7,717.70	150.88	126.23	-89.61	714.98	28.27	3,278.93	3,131.11	147.83	22.181		
15,100.00	7,730.20	12,159.00	7,717.70	152.52	126.23	-89.61	714.98	28.27	3,193.60	3,041.32	152.27	20.973		
15,200.00	7,730.02	12,159.00	7,717.70	154.20	126.23	-89.61	714.98	28.27	3,109.13	2,952.19	156.95	19.810		
15,300.00	7,729.83	12,159.00	7,717.70	155.90	126.23	-89.61	714.98	28.27	3,025.62	2,863.76	161.86	18.693		
15,400.00	7,729.65	12,159.00	7,717.70	157.63	126.23	-89.61	714.98	28.27	2,943.13	2,776.10	167.03	17.620		
15,500.00	7,729.47	12,159.00	7,717.70	159.39	126.23	-89.61	714.98	28.27	2,861.77	2,689.31	172.46	16.594		
15,600.00	7,729.28	12,159.00	7,717.70	161.18	126.23	-89.61	714.98	28.27	2,781.61	2,603.45	178.16	15.613		
15,700.00	7,729.10	12,159.00	7,717.70	162.99	126.23	-89.61	714.98	28.27	2,702.78	2,518.64	184.14	14.678		
15,800.00	7,728.91	12,159.00	7,717.70	164.82	126.23	-89.61	714.98	28.27	2,625.39	2,434.99	190.40	13.788		
15,900.00	7,728.73	12,159.00	7,717.70	166.68	126.23	-89.61	714.98	28.27	2,549.58	2,352.62	196.96	12.945		
16,000.00	7,728.54	12,159.00	7,717.70	168.56	126.23	-89.61	714.98	28.27	2,475.48	2,271.67	203.81	12.146		
16,100.00	7,728.36	12,159.00	7,717.70	170.46	126.23	-89.61	714.98	28.27	2,403.26	2,192.31	210.95	11.392		
16,200.00	7,728.18	12,159.00	7,717.70	172.39	126.23	-89.61	714.98	28.27	2,333.10	2,114.72	218.38	10.684		
16,300.00	7,727.99	12,159.00	7,717.70	174.33	126.23	-89.61	714.98	28.27	2,265.17	2,039.10	226.08	10.020		
16,400.00	7,727.81	12,159.00	7,717.70	176.30	126.23	-89.61	714.98	28.27	2,199.70	1,965.68	234.02	9.400		
16,500.00	7,727.62	12,159.00	7,717.70	178.28	126.23	-89.61	714.98	28.27	2,136.90	1,894.71	242.19	8.823		
16,600.00	7,727.44	12,159.00	7,717.70	180.29	126.23	-89.61	714.98	28.27	2,077.01	1,826.49	250.53	8.291		
16,700.00	7,727.25	12,159.00	7,717.70	182.31	126.23	-89.61	714.98	28.27	2,020.31	1,761.32	258.99	7.801		
16,800.00	7,727.07	12,159.00	7,717.70	184.35	126.23	-89.61	714.98	28.27	1,967.06	1,699.55	267.51	7.353		
16,837.81	7,727.00	12,159.00	7,717.70	185.12	126.23	-89.61	714.98	28.27	1,947.88	1,677.15	270.73	7.195		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 2A3AUH - 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	180.00	-20.03	0.00	20.03					
100.00	100.00	100.00	100.00	0.27	0.27	180.00	-20.03	0.00	20.03	19.49	0.54	37.251		
200.00	200.00	200.00	200.00	0.63	0.63	180.00	-20.03	0.00	20.03	18.78	1.25	15.965 CC		
300.00	300.00	299.57	299.55	0.99	0.97	-176.09	-21.00	-1.43	21.05	19.09	1.96	10.739		
400.00	399.98	398.92	398.76	1.34	1.32	-117.79	-23.89	-5.72	25.36	22.70	2.67	9.515		
500.00	499.84	498.64	498.23	1.70	1.68	-116.94	-27.79	-11.51	32.66	29.28	3.38	9.661		
514.88	514.68	513.47	513.03	1.76	1.74	-117.29	-28.37	-12.37	33.88	30.39	3.49	9.708		
600.00	599.56	598.28	597.63	2.07	2.05	-119.26	-31.69	-17.29	41.00	36.90	4.11	9.986		
700.00	699.28	697.91	697.02	2.44	2.42	-120.84	-35.59	-23.07	49.41	44.57	4.84	10.217		
800.00	799.00	797.55	796.41	2.81	2.79	-121.97	-39.49	-28.85	57.84	52.27	5.57	10.386		
900.00	898.72	897.19	895.81	3.18	3.17	-122.80	-43.39	-34.64	66.29	59.98	6.30	10.514		
1,000.00	998.43	996.83	995.20	3.55	3.54	-123.45	-47.29	-40.42	74.74	67.70	7.04	10.614		
1,100.00	1,098.15	1,096.47	1,094.60	3.93	3.92	-123.97	-51.19	-46.20	83.21	75.43	7.78	10.694		
1,200.00	1,197.87	1,196.11	1,193.99	4.31	4.29	-124.39	-55.09	-51.98	91.68	83.16	8.52	10.760		
1,300.00	1,297.59	1,295.74	1,293.39	4.68	4.67	-124.74	-58.99	-57.76	100.16	90.90	9.26	10.815		
1,400.00	1,397.31	1,395.38	1,392.78	5.06	5.04	-125.03	-62.89	-63.55	108.64	98.64	10.00	10.862		
1,500.00	1,497.03	1,495.02	1,492.17	5.44	5.42	-125.29	-66.80	-69.33	117.12	106.38	10.74	10.902		
1,600.00	1,596.75	1,594.66	1,591.57	5.81	5.80	-125.50	-70.70	-75.11	125.60	114.12	11.49	10.936		
1,700.00	1,696.47	1,694.30	1,690.96	6.19	6.17	-125.69	-74.60	-80.89	134.09	121.86	12.23	10.967		
1,800.00	1,796.19	1,793.94	1,790.36	6.57	6.55	-125.86	-78.50	-86.67	142.57	129.61	12.97	10.993		
1,900.00	1,895.90	1,893.58	1,889.75	6.94	6.93	-126.01	-82.40	-92.45	151.06	137.35	13.71	11.017		
2,000.00	1,995.62	1,993.21	1,989.14	7.32	7.30	-126.14	-86.30	-98.24	159.55	145.10	14.45	11.038		
2,100.00	2,095.34	2,092.85	2,088.54	7.70	7.68	-126.26	-90.20	-104.02	168.04	152.84	15.20	11.058		
2,200.00	2,195.06	2,192.49	2,187.93	8.08	8.06	-126.37	-94.10	-109.80	176.53	160.59	15.94	11.075		
2,300.00	2,294.78	2,292.13	2,287.33	8.45	8.44	-126.47	-98.00	-115.58	185.02	168.34	16.68	11.091		
2,400.00	2,394.50	2,391.77	2,386.72	8.83	8.81	-126.56	-101.90	-121.36	193.51	176.09	17.43	11.105		
2,500.00	2,494.22	2,491.41	2,486.11	9.21	9.19	-126.64	-105.80	-127.14	202.00	183.83	18.17	11.118		
2,600.00	2,593.94	2,591.04	2,585.51	9.59	9.57	-126.72	-109.70	-132.93	210.49	191.58	18.91	11.130		
2,700.00	2,693.65	2,690.68	2,684.90	9.97	9.94	-126.79	-113.60	-138.71	218.99	199.33	19.65	11.142		
2,800.00	2,793.37	2,790.32	2,784.30	10.34	10.32	-126.85	-117.50	-144.49	227.48	207.08	20.40	11.152		
2,900.00	2,893.09	2,889.96	2,883.69	10.72	10.70	-126.91	-121.40	-150.27	235.97	214.83	21.14	11.161		
3,000.00	2,992.81	2,989.60	2,983.08	11.10	11.08	-126.97	-125.30	-156.05	244.46	222.58	21.88	11.170		
3,100.00	3,092.53	3,089.24	3,082.48	11.48	11.45	-127.02	-129.20	-161.84	252.96	230.33	22.63	11.179		
3,200.00	3,192.25	3,188.87	3,181.87	11.86	11.83	-127.07	-133.10	-167.62	261.45	238.08	23.37	11.187		
3,300.00	3,291.97	3,288.51	3,281.27	12.23	12.21	-127.11	-137.00	-173.40	269.94	245.83	24.12	11.194		
3,400.00	3,391.69	3,388.15	3,380.66	12.61	12.59	-127.16	-140.90	-179.18	278.44	253.58	24.86	11.201		
3,500.00	3,491.41	3,487.79	3,480.05	12.99	12.96	-127.20	-144.80	-184.96	286.93	261.33	25.60	11.207		
3,600.00	3,591.12	3,587.43	3,579.45	13.37	13.34	-127.23	-148.70	-190.74	295.42	269.08	26.35	11.213		
3,700.00	3,690.84	3,687.07	3,678.84	13.75	13.72	-127.27	-152.60	-196.53	303.92	276.83	27.09	11.219		
3,800.00	3,790.56	3,786.71	3,778.24	14.13	14.10	-127.30	-156.50	-202.31	312.41	284.58	27.83	11.224		
3,900.00	3,890.28	3,886.34	3,877.63	14.50	14.47	-127.34	-160.40	-208.09	320.91	292.33	28.58	11.230		
4,000.00	3,990.00	3,985.98	3,977.02	14.88	14.85	-127.37	-164.30	-213.87	329.40	300.08	29.32	11.234		
4,100.00	4,089.72	4,085.62	4,076.42	15.26	15.23	-127.40	-168.20	-219.65	337.90	307.83	30.06	11.239		
4,200.00	4,189.44	4,185.26	4,175.81	15.64	15.61	-127.42	-172.10	-225.44	346.39	315.58	30.81	11.243		
4,300.00	4,289.16	4,284.90	4,275.21	16.02	15.98	-127.45	-176.00	-231.22	354.88	323.33	31.55	11.248		
4,400.00	4,388.87	4,384.54	4,374.60	16.39	16.36	-127.47	-179.90	-237.00	363.38	331.08	32.30	11.252		
4,500.00	4,488.59	4,484.17	4,473.99	16.77	16.74	-127.50	-183.80	-242.78	371.87	338.83	33.04	11.255		
4,600.00	4,588.31	4,583.81	4,573.39	17.15	17.12	-127.52	-187.70	-248.56	380.37	346.58	33.78	11.259		
4,700.00	4,688.03	4,683.45	4,672.78	17.53	17.49	-127.54	-191.60	-254.34	388.86	354.34	34.53	11.263		
4,800.00	4,787.75	4,783.09	4,772.18	17.91	17.87	-127.56	-195.50	-260.13	397.36	362.09	35.27	11.266		
4,900.00	4,887.47	4,882.73	4,871.57	18.29	18.25	-127.58	-199.40	-265.91	405.85	369.84	36.01	11.269		
5,000.00	4,987.19	4,982.37	4,970.97	18.66	18.63	-127.60	-203.30	-271.69	414.35	377.59	36.76	11.272		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 2A3AUH - 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		
5,100.00	5,086.91	5,082.01	5,070.36	19.04	19.00	-127.62	-207.20	-277.47	422.84	385.34	37.50	11.275		
5,200.00	5,186.63	5,181.64	5,169.75	19.42	19.38	-127.64	-211.10	-283.25	431.34	393.09	38.25	11.278		
5,300.00	5,286.34	5,281.28	5,269.15	19.80	19.76	-127.65	-215.00	-289.04	439.83	400.84	38.99	11.281		
5,400.00	5,386.06	5,380.92	5,368.54	20.18	20.14	-127.67	-218.90	-294.82	448.33	408.59	39.73	11.283		
5,500.00	5,485.78	5,480.56	5,467.94	20.56	20.51	-127.69	-222.80	-300.60	456.82	416.34	40.48	11.286		
5,600.00	5,585.50	5,580.20	5,567.33	20.93	20.89	-127.70	-226.70	-306.38	465.32	424.10	41.22	11.288		
5,700.00	5,685.22	5,679.84	5,666.72	21.31	21.27	-127.72	-230.60	-312.16	473.81	431.85	41.97	11.290		
5,800.00	5,784.94	5,779.47	5,766.12	21.69	21.65	-127.73	-234.50	-317.94	482.31	439.60	42.71	11.293		
5,900.00	5,884.66	5,879.11	5,865.51	22.07	22.02	-127.74	-238.40	-323.73	490.80	447.35	43.45	11.295		
6,000.00	5,984.38	5,978.75	5,964.91	22.45	22.40	-127.76	-242.30	-329.51	499.30	455.10	44.20	11.297		
6,100.00	6,084.09	6,078.39	6,064.30	22.83	22.78	-127.77	-246.20	-335.29	507.79	462.85	44.94	11.299		
6,200.00	6,183.81	6,178.03	6,163.69	23.20	23.16	-127.78	-250.10	-341.07	516.29	470.60	45.69	11.301		
6,300.00	6,283.53	6,277.67	6,263.09	23.58	23.53	-127.79	-254.00	-346.85	524.78	478.35	46.43	11.303		
6,400.00	6,383.25	6,377.30	6,362.48	23.96	23.91	-127.81	-257.90	-352.63	533.28	486.11	47.17	11.304		
6,500.00	6,482.97	6,476.94	6,461.88	24.34	24.29	-127.82	-261.80	-358.42	541.77	493.86	47.92	11.306		
6,600.00	6,582.69	6,576.58	6,561.27	24.72	24.67	-127.83	-265.70	-364.20	550.27	501.61	48.66	11.308		
6,700.00	6,682.41	6,676.22	6,660.66	25.09	25.05	-127.84	-269.60	-369.98	558.77	509.36	49.41	11.310		
6,800.00	6,782.13	6,775.86	6,760.06	25.47	25.42	-127.85	-273.50	-375.76	567.26	517.11	50.15	11.311		
6,900.00	6,881.84	6,875.50	6,859.45	25.85	25.80	-127.86	-277.40	-381.54	575.76	524.86	50.89	11.313		
7,000.00	6,981.56	6,975.14	6,958.85	26.23	26.18	-127.87	-281.30	-387.33	584.25	532.61	51.64	11.314		
7,100.00	7,081.28	7,074.77	7,058.24	26.61	26.56	-127.88	-285.20	-393.11	592.75	540.36	52.38	11.316		
7,200.00	7,181.00	7,174.41	7,157.63	26.99	26.93	-127.89	-289.10	-398.89	601.24	548.12	53.13	11.317		
7,222.08	7,203.02	7,196.42	7,179.59	27.07	27.02	-127.89	-289.96	-400.17	603.12	549.83	53.29	11.317		
7,250.00	7,230.81	7,224.22	7,207.32	27.18	27.12	-113.41	-291.05	-401.78	605.50	552.00	53.50	11.317		
7,300.00	7,280.16	7,273.80	7,256.78	27.39	27.31	-103.93	-292.99	-404.66	609.85	555.95	53.89	11.316		
7,350.00	7,328.67	7,324.24	7,307.05	27.61	27.51	-100.43	-294.95	-408.17	614.31	560.00	54.31	11.310		
7,400.00	7,375.96	7,376.62	7,358.80	27.86	27.72	-98.77	-296.87	-415.95	618.80	564.02	54.78	11.296		
7,450.00	7,421.67	7,429.93	7,410.52	28.12	27.96	-97.90	-298.67	-428.68	623.23	567.94	55.28	11.273		
7,500.00	7,465.45	7,484.20	7,461.72	28.40	28.22	-97.42	-300.32	-446.52	627.56	571.73	55.83	11.241		
7,550.00	7,506.97	7,539.44	7,511.87	28.70	28.50	-97.17	-301.81	-469.57	631.74	575.32	56.41	11.198		
7,600.00	7,545.92	7,595.62	7,560.37	29.02	28.81	-97.05	-303.10	-497.86	635.72	578.67	57.04	11.144		
7,650.00	7,582.00	7,652.75	7,606.61	29.37	29.15	-97.01	-304.18	-531.35	639.44	581.72	57.73	11.077		
7,700.00	7,614.93	7,710.76	7,649.93	29.76	29.52	-97.02	-305.02	-569.89	642.86	584.39	58.47	10.994		
7,750.00	7,644.47	7,769.61	7,689.66	30.18	29.94	-97.05	-305.61	-613.26	645.93	586.65	59.29	10.895		
7,800.00	7,670.38	7,829.21	7,725.16	30.64	30.41	-97.09	-305.91	-661.10	648.61	588.41	60.19	10.775		
7,850.00	7,692.48	7,889.46	7,755.81	31.14	30.94	-97.12	-305.92	-712.94	650.84	589.65	61.19	10.636		
7,900.00	7,710.59	7,950.23	7,781.05	31.68	31.54	-97.14	-305.62	-768.19	652.60	590.30	62.30	10.475		
7,950.00	7,724.57	8,011.39	7,800.41	32.27	32.20	-97.14	-305.03	-826.17	653.86	590.33	63.53	10.293		
8,000.00	7,734.32	8,072.79	7,813.52	32.89	32.93	-97.12	-304.13	-886.12	654.60	589.74	64.86	10.092		
8,050.00	7,739.77	8,134.26	7,820.15	33.54	33.71	-97.06	-302.94	-947.19	654.80	588.51	66.29	9.877		
8,085.63	7,741.00	8,175.25	7,821.05	34.02	34.26	-97.02	-302.00	-988.15	654.65	587.32	67.33	9.723		
8,100.00	7,741.05	8,189.62	7,821.12	34.22	34.46	-97.02	-301.66	-1,002.52	654.58	586.86	67.73	9.665		
8,200.00	7,741.40	8,289.62	7,821.55	35.69	35.92	-97.04	-299.30	-1,102.49	654.13	583.45	70.68	9.254		
8,300.00	7,741.75	8,389.62	7,821.99	37.30	37.52	-97.05	-296.93	-1,202.46	653.68	579.77	73.91	8.845		
8,400.00	7,742.10	8,489.62	7,822.42	39.03	39.25	-97.06	-294.57	-1,302.43	653.22	575.85	77.37	8.443		
8,500.00	7,742.44	8,589.62	7,822.86	40.86	41.08	-97.08	-292.20	-1,402.40	652.77	571.73	81.03	8.055		
8,600.00	7,742.79	8,689.61	7,823.29	42.79	43.00	-97.09	-289.83	-1,502.37	652.31	567.43	84.88	7.685		
8,700.00	7,743.14	8,789.61	7,823.73	44.80	45.00	-97.10	-287.47	-1,602.34	651.86	562.97	88.89	7.334		
8,800.00	7,743.49	8,889.61	7,824.17	46.87	47.08	-97.11	-285.10	-1,702.31	651.41	558.38	93.03	7.002		
8,900.00	7,743.84	8,989.61	7,824.60	49.01	49.21	-97.13	-282.74	-1,802.28	650.95	553.67	97.28	6.691		
9,000.00	7,744.19	9,089.61	7,825.04	51.20	51.40	-97.14	-280.37	-1,902.25	650.50	548.85	101.65	6.400		
9,100.00	7,744.54	9,189.61	7,825.47	53.43	53.64	-97.15	-278.00	-2,002.22	650.04	543.94	106.10	6.127		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 2A3AUH - 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		
9,200.00	7,744.89	9,289.61	7,825.91	55.71	55.91	-97.16	-275.64	-2,102.19	649.59	538.96	110.63	5.872		
9,300.00	7,745.23	9,389.61	7,826.34	58.02	58.23	-97.18	-273.27	-2,202.16	649.14	533.90	115.24	5.633		
9,400.00	7,745.58	9,489.61	7,826.78	60.37	60.57	-97.19	-270.91	-2,302.13	648.68	528.78	119.90	5.410		
9,500.00	7,745.93	9,589.60	7,827.22	62.74	62.95	-97.20	-268.54	-2,402.10	648.23	523.60	124.62	5.202		
9,600.00	7,746.28	9,689.60	7,827.65	65.14	65.34	-97.22	-266.17	-2,502.07	647.77	518.38	129.39	5.006		
9,700.00	7,746.63	9,789.60	7,828.09	67.56	67.77	-97.23	-263.81	-2,602.04	647.32	513.11	134.21	4.823		
9,800.00	7,746.98	9,889.60	7,828.52	70.01	70.21	-97.24	-261.44	-2,702.00	646.87	507.80	139.06	4.652		
9,900.00	7,747.33	9,989.60	7,828.96	72.47	72.67	-97.25	-259.08	-2,801.97	646.41	502.46	143.95	4.491		
10,000.00	7,747.67	10,089.60	7,829.39	74.94	75.14	-97.27	-256.71	-2,901.94	645.96	497.09	148.87	4.339		
10,100.00	7,748.02	10,189.60	7,829.83	77.43	77.64	-97.28	-254.34	-3,001.91	645.50	491.68	153.82	4.196		
10,200.00	7,748.37	10,289.60	7,830.26	79.94	80.14	-97.29	-251.98	-3,101.88	645.05	486.26	158.80	4.062		
10,300.00	7,748.72	10,389.59	7,830.70	82.46	82.66	-97.31	-249.61	-3,201.85	644.60	480.80	163.79	3.935		
10,400.00	7,749.07	10,489.59	7,831.14	84.98	85.19	-97.32	-247.24	-3,301.82	644.14	475.33	168.81	3.816		
10,500.00	7,749.42	10,589.59	7,831.57	87.52	87.72	-97.33	-244.88	-3,401.79	643.69	469.84	173.85	3.702		
10,600.00	7,749.77	10,689.59	7,832.01	90.07	90.27	-97.34	-242.51	-3,501.76	643.24	464.32	178.91	3.595		
10,700.00	7,750.11	10,789.59	7,832.44	92.62	92.83	-97.36	-240.15	-3,601.73	642.78	458.80	183.99	3.494		
10,800.00	7,750.46	10,889.59	7,832.88	95.19	95.39	-97.37	-237.78	-3,701.70	642.33	453.25	189.08	3.397		
10,830.83	7,750.57	10,917.50	7,833.00	95.98	96.11	-97.37	-237.12	-3,729.61	642.20	451.62	190.58	3.370		
10,900.00	7,750.81	10,950.00	7,833.12	97.76	96.94	-97.37	-237.27	-3,762.10	644.00	451.12	192.88	3.339		
11,000.00	7,751.16	11,000.00	7,833.19	100.34	98.21	-97.30	-241.10	-3,811.94	653.49	458.06	195.42	3.344		
11,100.00	7,751.51	11,050.00	7,833.13	102.92	99.46	-97.18	-249.25	-3,861.25	670.97	473.97	197.00	3.406		
11,200.00	7,751.86	11,100.00	7,832.95	105.51	100.67	-97.01	-261.67	-3,909.67	696.18	498.43	197.74	3.521		
11,300.00	7,752.21	11,147.51	7,832.68	108.11	101.78	-96.81	-276.66	-3,954.75	727.94	530.36	197.58	3.684		
11,400.00	7,752.55	11,241.57	7,832.14	110.70	103.98	-96.44	-306.90	-4,043.81	761.58	559.19	202.39	3.763		
11,500.00	7,752.90	11,335.63	7,831.59	113.31	106.18	-96.10	-337.14	-4,132.88	795.26	588.06	207.20	3.838		
11,527.76	7,753.00	11,361.73	7,831.44	114.03	106.80	-96.02	-345.53	-4,157.60	804.61	596.07	208.54	3.858		
11,550.00	7,753.07	11,382.80	7,831.32	114.61	107.29	-95.85	-352.30	-4,177.55	811.70	602.08	209.61	3.872		
11,600.00	7,753.18	11,431.05	7,831.04	115.90	108.43	-95.57	-367.81	-4,223.24	824.63	612.58	212.06	3.889		
11,650.00	7,753.23	11,480.26	7,830.75	117.15	109.59	-95.39	-383.63	-4,269.83	833.34	618.82	214.53	3.885		
11,700.00	7,753.20	11,530.04	7,830.46	118.36	110.77	-95.29	-399.64	-4,316.97	837.76	620.76	217.00	3.861		
11,750.00	7,753.11	11,580.03	7,830.17	119.50	111.95	-95.29	-415.71	-4,364.30	837.84	618.40	219.44	3.818		
11,800.00	7,752.95	11,613.00	7,829.98	120.58	112.73	-95.36	-426.31	-4,395.52	833.77	613.75	220.02	3.790		
11,850.00	7,752.73	11,650.00	7,829.74	121.58	113.59	-95.49	-439.33	-4,430.15	826.75	605.82	220.93	3.742		
11,900.00	7,752.44	11,650.00	7,829.74	122.49	113.59	-95.62	-439.33	-4,430.15	817.13	599.97	217.17	3.763		
11,950.00	7,752.10	11,680.52	7,829.52	123.31	114.27	-95.85	-451.73	-4,458.03	804.82	587.91	216.91	3.710		
12,000.00	7,751.69	11,700.00	7,829.36	124.03	114.70	-96.12	-460.41	-4,475.47	790.17	575.23	214.94	3.676		
12,050.00	7,751.22	11,720.50	7,829.18	124.65	115.13	-96.45	-470.18	-4,493.48	773.06	560.23	212.83	3.632		
12,100.00	7,750.71	11,750.00	7,828.90	125.18	115.74	-96.88	-485.37	-4,518.77	753.67	541.68	211.99	3.555		
12,150.00	7,750.14	11,750.00	7,828.90	125.62	115.74	-97.26	-485.37	-4,518.77	731.77	525.96	205.80	3.556		
12,200.00	7,749.53	11,779.33	7,828.60	125.96	116.29	-97.88	-501.73	-4,543.11	707.38	502.77	204.61	3.457		
12,250.00	7,748.89	11,800.00	7,828.37	126.22	116.69	-98.58	-514.00	-4,559.74	680.88	479.21	201.67	3.376		
12,300.00	7,748.20	11,817.46	7,828.17	126.41	116.99	-99.38	-524.83	-4,573.44	652.16	454.29	197.88	3.296		
12,350.00	7,747.49	11,836.09	7,827.95	126.53	117.31	-100.38	-536.83	-4,587.68	621.32	427.13	194.20	3.199		
12,400.00	7,746.76	11,850.00	7,827.78	126.60	117.55	-101.51	-546.09	-4,598.05	588.46	399.28	189.18	3.111		
12,450.00	7,746.00	11,872.22	7,827.50	126.62	117.89	-103.09	-561.40	-4,614.15	553.58	367.26	186.32	2.971		
12,500.00	7,745.23	11,900.00	7,827.13	126.62	118.32	-105.32	-581.41	-4,633.43	517.07	331.63	185.43	2.788		
12,550.00	7,744.46	11,900.00	7,827.13	126.59	118.32	-107.10	-581.41	-4,633.43	478.49	302.75	175.73	2.723		
12,600.00	7,743.68	11,922.59	7,826.81	126.55	118.63	-110.51	-598.34	-4,648.37	438.34	264.67	173.67	2.524		
12,650.00	7,742.91	11,938.00	7,826.59	126.52	118.83	-114.65	-610.23	-4,658.17	396.82	227.48	169.34	2.343		
12,700.00	7,742.16	11,950.00	7,826.41	126.50	119.00	-119.84	-619.66	-4,665.58	354.05	190.28	163.77	2.162		
12,750.00	7,741.41	11,965.92	7,826.18	126.51	119.18	-127.68	-632.42	-4,675.11	310.25	149.71	160.54	1.933		
12,800.00	7,740.69	11,978.04	7,825.99	126.55	119.32	-137.51	-642.30	-4,682.12	265.82	109.91	155.91	1.705		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

Offset Design SEC 19-T4S-R64W - GRIMM MOTOCROSS 4-65 24 2A3AUH - 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		
12,850.00	7,740.00	11,988.60	7,825.83	126.64	119.44	-149.51	-651.04	-4,688.06	221.30	70.59	150.71	1.468	Level 3	
12,900.00	7,739.34	12,000.00	7,825.65	126.77	119.58	-163.77	-660.58	-4,694.28	177.70	31.13	146.58	1.212	Level 2	
12,950.00	7,738.72	12,000.00	7,825.65	126.95	119.58	-170.71	-660.58	-4,694.28	137.02	8.22	128.80	1.064	Level 2	
12,966.03	7,738.53	12,004.95	7,825.58	127.02	119.62	-175.59	-664.76	-4,696.93	125.16	-2.40	127.57	0.981	Level 1	
13,000.00	7,738.13	12,007.76	7,825.53	127.17	119.65	-177.41	-667.15	-4,698.42	103.86	-7.40	111.27	0.933	Level 1, ES, SF	
13,055.48	7,737.48	12,013.08	7,825.45	127.44	119.70	179.15	-671.68	-4,701.19	87.98	6.71	81.27	1.083	Level 2	
13,100.00	7,736.96	12,018.14	7,825.37	127.65	119.75	175.88	-676.02	-4,703.80	98.48	5.12	93.36	1.055	Level 2	
13,200.00	7,735.78	12,033.32	7,825.12	128.16	119.90	166.29	-689.17	-4,711.38	168.28	43.12	125.16	1.345	Level 3	
13,221.13	7,735.54	12,037.47	7,825.05	128.27	119.94	163.77	-692.80	-4,713.40	186.43	59.28	127.15	1.466	Level 3	
13,250.00	7,735.21	12,042.79	7,824.97	128.44	119.99	165.97	-697.47	-4,715.94	212.11	83.36	128.74	1.648		
13,300.00	7,734.68	12,048.26	7,824.88	128.76	120.04	174.50	-702.30	-4,718.50	258.32	127.78	130.54	1.979		
13,350.00	7,734.22	12,046.76	7,824.90	129.14	120.03	-169.50	-700.97	-4,717.80	305.78	172.81	132.97	2.300		
13,400.00	7,733.83	12,033.79	7,825.11	129.57	119.90	-147.47	-689.58	-4,711.61	353.63	215.53	138.10	2.561		
13,450.00	7,733.51	12,000.27	7,825.65	130.04	119.58	-126.84	-660.81	-4,694.43	400.82	251.95	148.87	2.692		
13,500.00	7,733.25	11,926.00	7,826.76	130.54	118.67	-112.63	-600.95	-4,650.57	445.46	275.14	170.32	2.615		
13,550.00	7,733.08	11,731.84	7,829.07	131.06	115.36	-103.72	-476.30	-4,503.05	482.50	267.58	214.92	2.245		
13,582.30	7,733.00	11,608.71	7,830.01	131.41	112.63	-101.90	-424.93	-4,391.46	497.84	268.40	229.44	2.170		
13,600.00	7,732.97	11,592.06	7,830.10	131.60	112.24	-101.77	-419.58	-4,375.70	503.77	274.49	229.29	2.197		
13,700.00	7,732.78	11,498.04	7,830.65	132.71	110.01	-101.11	-389.35	-4,286.66	537.34	308.95	228.39	2.353		
13,800.00	7,732.60	11,404.01	7,831.19	133.86	107.79	-100.53	-359.12	-4,197.63	570.97	343.50	227.47	2.510		
13,900.00	7,732.41	11,309.98	7,831.74	135.06	105.58	-100.01	-328.89	-4,108.60	604.64	378.10	226.53	2.669		
14,000.00	7,732.23	11,215.95	7,832.29	136.31	103.38	-99.55	-298.66	-4,019.56	638.35	412.75	225.59	2.830		
14,100.00	7,732.05	13,707.36	7,808.70	137.59	129.30	96.68	-1,551.41	-3,729.46	658.56	393.77	264.79	2.487		
14,200.00	7,731.86	13,807.36	7,808.63	138.92	130.50	96.69	-1,553.43	-3,629.48	658.59	391.24	267.35	2.463		
14,300.00	7,731.68	13,907.36	7,808.57	140.29	131.74	96.70	-1,555.44	-3,529.50	658.62	388.63	269.99	2.439		
14,400.00	7,731.49	14,007.36	7,808.51	141.69	133.03	96.72	-1,557.45	-3,429.52	658.65	385.94	272.71	2.415		
14,500.00	7,731.31	14,107.36	7,808.45	143.14	134.36	96.73	-1,559.47	-3,329.54	658.68	383.17	275.51	2.391		
14,600.00	7,731.12	14,207.36	7,808.39	144.62	135.74	96.74	-1,561.48	-3,229.57	658.71	380.32	278.39	2.366		
14,700.00	7,730.94	14,307.36	7,808.33	146.13	137.15	96.75	-1,563.49	-3,129.59	658.74	377.40	281.34	2.341		
14,800.00	7,730.76	14,407.36	7,808.26	147.68	138.60	96.76	-1,565.50	-3,029.61	658.77	374.42	284.35	2.317		
14,900.00	7,730.57	14,507.36	7,808.20	149.26	140.10	96.77	-1,567.52	-2,929.63	658.80	371.36	287.44	2.292		
15,000.00	7,730.39	14,607.36	7,808.14	150.88	141.62	96.78	-1,569.53	-2,829.65	658.83	368.24	290.59	2.267		
15,100.00	7,730.20	14,707.36	7,808.08	152.52	143.19	96.79	-1,571.54	-2,729.67	658.86	365.05	293.81	2.242		
15,200.00	7,730.02	14,807.36	7,808.02	154.20	144.79	96.80	-1,573.56	-2,629.69	658.89	361.80	297.09	2.218		
15,300.00	7,729.83	14,907.36	7,807.96	155.90	146.42	96.81	-1,575.57	-2,529.71	658.92	358.49	300.43	2.193		
15,400.00	7,729.65	15,007.36	7,807.89	157.63	148.09	96.82	-1,577.58	-2,429.73	658.95	355.13	303.82	2.169		
15,500.00	7,729.47	15,107.36	7,807.83	159.39	149.79	96.83	-1,579.59	-2,329.75	658.98	351.71	307.27	2.145		
15,600.00	7,729.28	15,207.36	7,807.77	161.18	151.51	96.84	-1,581.61	-2,229.77	659.01	348.23	310.78	2.121		
15,700.00	7,729.10	15,307.36	7,807.71	162.99	153.27	96.85	-1,583.62	-2,129.79	659.04	344.70	314.34	2.097		
15,800.00	7,728.91	15,407.36	7,807.65	164.82	155.05	96.86	-1,585.63	-2,029.81	659.07	341.12	317.95	2.073		
15,900.00	7,728.73	15,507.36	7,807.59	166.68	156.86	96.87	-1,587.65	-1,929.83	659.10	337.50	321.60	2.049		
16,000.00	7,728.54	15,607.36	7,807.52	168.56	158.70	96.88	-1,589.66	-1,829.85	659.13	333.82	325.31	2.026		
16,100.00	7,728.36	15,707.36	7,807.46	170.46	160.56	96.89	-1,591.67	-1,729.87	659.16	330.10	329.06	2.003		
16,200.00	7,728.18	8,788.20	7,823.72	172.39	44.98	-98.34	-287.50	-1,600.92	659.06	443.98	215.08	3.064		
16,300.00	7,727.99	8,688.20	7,823.29	174.33	42.97	-98.32	-289.87	-1,500.95	658.66	443.64	215.02	3.063		
16,400.00	7,727.81	8,588.20	7,822.85	176.30	41.05	-98.30	-292.23	-1,400.98	658.26	443.21	215.05	3.061		
16,500.00	7,727.62	8,488.20	7,822.42	178.28	39.22	-98.29	-294.60	-1,301.01	657.85	442.66	215.20	3.057		
16,600.00	7,727.44	8,388.20	7,821.98	180.29	37.50	-98.27	-296.97	-1,201.04	657.45	441.99	215.46	3.051		
16,700.00	7,727.25	8,288.20	7,821.55	182.31	35.90	-98.25	-299.33	-1,101.07	657.05	441.19	215.86	3.044		
16,800.00	7,727.07	8,188.20	7,821.11	184.35	34.44	-98.23	-301.70	-1,001.10	656.65	440.24	216.41	3.034		
16,837.81	7,727.00	8,148.70	7,820.76	185.12	33.90	-98.21	-302.62	-961.61	656.48	439.84	216.65	3.030		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	0.40	80.16	0.56	80.16					
100.00	100.00	100.00	100.00	0.27	0.27	0.40	80.16	0.56	80.16	79.62	0.54	149.081		
200.00	200.00	200.00	200.00	0.63	0.63	0.40	80.16	0.56	80.16	78.91	1.25	63.892		
300.00	300.00	300.00	300.00	0.99	0.99	0.40	80.16	0.56	80.16	78.19	1.97	40.659 CC		
400.00	399.98	397.52	397.50	1.34	1.34	53.10	81.67	-0.12	80.65	77.97	2.68	30.120 ES		
500.00	499.84	495.00	494.85	1.70	1.69	54.44	86.20	-2.18	82.14	78.76	3.38	24.273		
514.88	514.68	509.50	509.31	1.76	1.74	54.71	87.13	-2.61	82.46	78.97	3.49	23.631		
600.00	599.56	592.40	591.89	2.07	2.05	55.91	93.73	-5.61	85.44	81.34	4.10	20.853		
700.00	699.28	689.56	688.36	2.44	2.41	56.26	104.23	-10.39	91.72	86.91	4.82	19.049		
800.00	799.00	788.42	786.19	2.81	2.80	55.89	117.16	-16.28	100.22	94.67	5.55	18.064		
900.00	898.72	888.04	884.76	3.18	3.21	55.54	130.32	-22.26	108.83	102.54	6.29	17.302		
1,000.00	998.43	987.67	983.34	3.55	3.62	55.24	143.47	-28.25	117.45	110.42	7.04	16.696		
1,100.00	1,098.15	1,087.30	1,081.91	3.93	4.03	54.98	156.62	-34.23	126.08	118.30	7.78	16.200		
1,200.00	1,197.87	1,186.92	1,180.48	4.31	4.44	54.76	169.77	-40.22	134.70	126.17	8.53	15.789		
1,300.00	1,297.59	1,286.55	1,279.05	4.68	4.86	54.56	182.93	-46.20	143.33	134.05	9.28	15.443		
1,400.00	1,397.31	1,386.17	1,377.63	5.06	5.28	54.38	196.08	-52.19	151.96	141.93	10.03	15.147		
1,500.00	1,497.03	1,485.80	1,476.20	5.44	5.70	54.23	209.23	-58.17	160.59	149.81	10.78	14.892		
1,600.00	1,596.75	1,585.43	1,574.77	5.81	6.12	54.08	222.39	-64.16	169.22	157.69	11.54	14.669		
1,700.00	1,696.47	1,685.05	1,673.34	6.19	6.54	53.96	235.54	-70.14	177.85	165.57	12.29	14.474		
1,800.00	1,796.19	1,784.68	1,771.92	6.57	6.97	53.84	248.69	-76.13	186.49	173.45	13.04	14.300		
1,900.00	1,895.90	1,884.30	1,870.49	6.94	7.39	53.74	261.84	-82.12	195.12	181.33	13.79	14.146		
2,000.00	1,995.62	1,983.93	1,969.06	7.32	7.81	53.64	275.00	-88.10	203.76	189.21	14.55	14.007		
2,100.00	2,095.34	2,083.56	2,067.63	7.70	8.24	53.55	288.15	-94.09	212.39	197.09	15.30	13.882		
2,200.00	2,195.06	2,183.18	2,166.20	8.08	8.66	53.47	301.30	-100.07	221.03	204.97	16.05	13.768		
2,300.00	2,294.78	2,282.81	2,264.78	8.45	9.09	53.40	314.45	-106.06	229.66	212.86	16.81	13.665		
2,400.00	2,394.50	2,382.43	2,363.35	8.83	9.51	53.33	327.61	-112.04	238.30	220.74	17.56	13.570		
2,500.00	2,494.22	2,482.06	2,461.92	9.21	9.94	53.26	340.76	-118.03	246.94	228.62	18.31	13.483		
2,600.00	2,593.94	2,581.69	2,560.49	9.59	10.36	53.20	353.91	-124.01	255.57	236.50	19.07	13.403		
2,700.00	2,693.65	2,681.31	2,659.07	9.97	10.79	53.14	367.07	-130.00	264.21	244.39	19.82	13.329		
2,800.00	2,793.37	2,780.94	2,757.64	10.34	11.21	53.09	380.22	-135.98	272.85	252.27	20.58	13.260		
2,900.00	2,893.09	2,880.56	2,856.21	10.72	11.64	53.04	393.37	-141.97	281.48	260.15	21.33	13.196		
3,000.00	2,992.81	2,980.19	2,954.78	11.10	12.06	52.99	406.52	-147.95	290.12	268.04	22.08	13.137		
3,100.00	3,092.53	3,079.82	3,053.36	11.48	12.49	52.95	419.68	-153.94	298.76	275.92	22.84	13.081		
3,200.00	3,192.25	3,179.44	3,151.93	11.86	12.91	52.91	432.83	-159.93	307.40	283.80	23.59	13.029		
3,300.00	3,291.97	3,279.07	3,250.50	12.23	13.34	52.87	445.98	-165.91	316.04	291.69	24.35	12.980		
3,400.00	3,391.69	3,378.69	3,349.07	12.61	13.77	52.83	459.13	-171.90	324.67	299.57	25.10	12.935		
3,500.00	3,491.41	3,478.32	3,447.65	12.99	14.19	52.80	472.29	-177.88	333.31	307.46	25.86	12.891		
3,600.00	3,591.12	3,577.95	3,546.22	13.37	14.62	52.76	485.44	-183.87	341.95	315.34	26.61	12.851		
3,700.00	3,690.84	3,677.57	3,644.79	13.75	15.04	52.73	498.59	-189.85	350.59	323.23	27.36	12.812		
3,800.00	3,790.56	3,777.20	3,743.36	14.13	15.47	52.70	511.75	-195.84	359.23	331.11	28.12	12.775		
3,900.00	3,890.28	3,876.82	3,841.94	14.50	15.90	52.67	524.90	-201.82	367.87	338.99	28.87	12.741		
4,000.00	3,990.00	3,976.45	3,940.51	14.88	16.32	52.64	538.05	-207.81	376.51	346.88	29.63	12.708		
4,100.00	4,089.72	4,076.07	4,039.08	15.26	16.75	52.62	551.20	-213.79	385.15	354.76	30.38	12.677		
4,200.00	4,189.44	4,175.70	4,137.65	15.64	17.18	52.59	564.36	-219.78	393.79	362.65	31.14	12.647		
4,300.00	4,289.16	4,275.33	4,236.23	16.02	17.60	52.57	577.51	-225.76	402.42	370.53	31.89	12.619		
4,400.00	4,388.87	4,374.95	4,334.80	16.39	18.03	52.54	590.66	-231.75	411.06	378.42	32.65	12.592		
4,500.00	4,488.59	4,474.58	4,433.37	16.77	18.46	52.52	603.81	-237.73	419.70	386.30	33.40	12.566		
4,600.00	4,588.31	4,574.20	4,531.94	17.15	18.88	52.50	616.97	-243.72	428.34	394.19	34.15	12.541		
4,700.00	4,688.03	4,673.83	4,630.51	17.53	19.31	52.48	630.12	-249.71	436.98	402.07	34.91	12.518		
4,800.00	4,787.75	4,773.46	4,729.09	17.91	19.74	52.46	643.27	-255.69	445.62	409.96	35.66	12.495		
4,900.00	4,887.47	4,873.08	4,827.66	18.29	20.16	52.44	656.43	-261.68	454.26	417.84	36.42	12.473		
5,000.00	4,987.19	4,972.71	4,926.23	18.66	20.59	52.42	669.58	-267.66	462.90	425.73	37.17	12.453		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,100.00	5,086.91	5,072.33	5,024.80	19.04	21.02	52.41	682.73	-273.65	471.54	433.61	37.93	12.433		
5,200.00	5,186.63	5,171.96	5,123.38	19.42	21.44	52.39	695.88	-279.63	480.18	441.50	38.68	12.413		
5,300.00	5,286.34	5,271.59	5,221.95	19.80	21.87	52.37	709.04	-285.62	488.82	449.38	39.44	12.395		
5,400.00	5,386.06	5,371.21	5,320.52	20.18	22.30	52.36	722.19	-291.60	497.46	457.27	40.19	12.377		
5,500.00	5,485.78	5,470.84	5,419.09	20.56	22.72	52.34	735.34	-297.59	506.10	465.15	40.95	12.360		
5,600.00	5,585.50	5,570.46	5,517.67	20.93	23.15	52.33	748.49	-303.57	514.74	473.04	41.70	12.344		
5,700.00	5,685.22	5,670.09	5,616.24	21.31	23.58	52.31	761.65	-309.56	523.38	480.92	42.46	12.328		
5,800.00	5,784.94	5,769.72	5,714.81	21.69	24.00	52.30	774.80	-315.54	532.02	488.81	43.21	12.312		
5,900.00	5,884.66	5,869.34	5,813.38	22.07	24.43	52.29	787.95	-321.53	540.66	496.69	43.96	12.298		
6,000.00	5,984.38	5,968.97	5,911.96	22.45	24.86	52.27	801.11	-327.52	549.30	504.58	44.72	12.283		
6,100.00	6,084.09	6,068.59	6,010.53	22.83	25.28	52.26	814.26	-333.50	557.94	512.47	45.47	12.269		
6,200.00	6,183.81	6,168.22	6,109.10	23.20	25.71	52.25	827.41	-339.49	566.58	520.35	46.23	12.256		
6,300.00	6,283.53	6,267.85	6,207.67	23.58	26.14	52.24	840.56	-345.47	575.22	528.24	46.98	12.243		
6,400.00	6,383.25	6,367.47	6,306.25	23.96	26.56	52.23	853.72	-351.46	583.86	536.12	47.74	12.230		
6,500.00	6,482.97	6,467.10	6,404.82	24.34	26.99	52.21	866.87	-357.44	592.50	544.01	48.49	12.218		
6,600.00	6,582.69	6,566.72	6,503.39	24.72	27.42	52.20	880.02	-363.43	601.14	551.89	49.25	12.206		
6,700.00	6,682.41	6,666.35	6,601.96	25.09	27.84	52.19	893.17	-369.41	609.78	559.78	50.00	12.195		
6,800.00	6,782.13	6,766.98	6,700.54	25.47	28.27	52.18	906.33	-375.40	618.42	567.66	50.76	12.184		
6,900.00	6,881.84	6,866.60	6,799.11	25.85	28.70	52.17	919.48	-381.38	627.06	575.55	51.51	12.173		
7,000.00	6,981.56	6,965.23	6,897.68	26.23	29.13	52.16	932.63	-387.37	635.70	583.43	52.27	12.162		
7,100.00	7,081.28	7,064.85	6,996.25	26.61	29.55	52.15	945.79	-393.35	644.34	591.32	53.02	12.152		
7,200.00	7,181.00	7,164.48	7,094.82	26.99	29.98	52.15	958.94	-399.34	652.98	599.20	53.78	12.142		
7,222.08	7,203.02	7,186.27	7,116.36	27.07	30.07	52.11	961.82	-401.01	654.89	600.95	53.94	12.140		
7,250.00	7,230.81	7,213.76	7,143.40	27.18	30.20	66.09	965.45	-404.30	657.31	603.15	54.16	12.137		
7,300.00	7,280.16	7,262.87	7,191.21	27.39	30.43	74.99	971.91	-413.41	661.58	607.02	54.56	12.126		
7,350.00	7,328.67	7,311.85	7,237.94	27.61	30.67	78.28	978.28	-426.57	665.76	610.76	55.00	12.105		
7,400.00	7,375.96	7,360.70	7,283.26	27.86	30.93	79.81	984.52	-443.67	669.81	614.34	55.47	12.075		
7,450.00	7,421.67	7,409.44	7,326.87	28.12	31.20	80.57	990.58	-464.55	673.70	617.72	55.98	12.035		
7,500.00	7,465.45	7,458.09	7,368.48	28.40	31.47	80.94	996.43	-489.04	677.40	620.88	56.52	11.984		
7,550.00	7,506.97	7,506.65	7,407.80	28.70	31.77	81.11	1,002.02	-516.95	680.89	623.78	57.11	11.922		
7,600.00	7,545.92	7,555.13	7,444.58	29.02	32.07	81.15	1,007.31	-548.07	684.13	626.38	57.76	11.845		
7,650.00	7,582.00	7,603.55	7,478.57	29.37	32.40	81.12	1,012.27	-582.17	687.11	628.65	58.45	11.755		
7,700.00	7,614.93	7,651.92	7,509.55	29.76	32.74	81.05	1,016.87	-619.01	689.79	630.57	59.22	11.648		
7,750.00	7,644.47	7,700.00	7,537.18	30.18	33.11	80.98	1,021.06	-658.12	692.16	632.10	60.05	11.526		
7,800.00	7,670.38	7,748.53	7,561.66	30.64	33.51	80.89	1,024.87	-699.83	694.19	633.22	60.97	11.385		
7,850.00	7,692.48	7,796.79	7,582.46	31.14	33.93	80.82	1,028.20	-743.24	695.88	633.91	61.97	11.229		
7,900.00	7,710.59	7,845.05	7,599.55	31.68	34.39	80.77	1,031.07	-788.26	697.21	634.15	63.06	11.057		
7,950.00	7,724.57	7,893.29	7,612.83	32.27	34.89	80.73	1,033.45	-834.57	698.17	633.95	64.22	10.871		
8,000.00	7,734.32	7,941.54	7,622.19	32.89	35.41	80.73	1,035.33	-881.84	698.75	633.29	65.46	10.674		
8,050.00	7,739.77	7,989.80	7,627.58	33.54	35.97	80.74	1,036.68	-929.77	698.95	632.19	66.77	10.469		
8,085.63	7,741.00	8,024.19	7,628.97	34.02	36.38	80.77	1,037.32	-964.13	698.86	631.13	67.73	10.319		
8,100.00	7,741.05	8,038.35	7,629.00	34.22	36.55	80.77	1,037.52	-978.28	698.79	630.66	68.13	10.257		
8,200.00	7,741.40	8,138.34	7,629.00	35.69	37.87	80.74	1,038.85	-1,078.27	698.29	627.23	71.06	9.827		
8,300.00	7,741.75	8,238.34	7,629.00	37.30	39.33	80.70	1,040.19	-1,178.25	697.79	623.54	74.25	9.398		
8,400.00	7,742.10	8,338.34	7,629.00	39.03	40.92	80.66	1,041.53	-1,278.24	697.29	619.62	77.67	8.977		
8,500.00	7,742.44	8,438.34	7,629.00	40.86	42.62	80.63	1,042.86	-1,378.23	696.80	615.50	81.30	8.571		
8,600.00	7,742.79	8,538.34	7,629.00	42.79	44.43	80.59	1,044.20	-1,478.22	696.30	611.19	85.11	8.182		
8,700.00	7,743.14	8,638.33	7,629.00	44.80	46.33	80.56	1,045.53	-1,578.21	695.80	606.74	89.07	7.812		
8,800.00	7,743.49	8,738.33	7,629.00	46.87	48.32	80.52	1,046.87	-1,678.20	695.31	602.14	93.16	7.463		
8,900.00	7,743.84	8,838.33	7,629.00	49.01	50.37	80.49	1,048.21	-1,778.19	694.81	597.43	97.38	7.135		
9,000.00	7,744.19	8,938.33	7,629.00	51.20	52.48	80.45	1,049.54	-1,878.18	694.31	592.62	101.70	6.827		
9,100.00	7,744.54	9,038.33	7,629.00	53.43	54.64	80.41	1,050.88	-1,978.17	693.82	587.71	106.10	6.539		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,200.00	7,744.89	9,138.32	7,629.00	55.71	56.86	80.38	1,052.21	-2,078.15	693.32	582.73	110.59	6.269		
9,300.00	7,745.23	9,238.32	7,629.00	58.02	59.11	80.34	1,053.55	-2,178.14	692.83	577.68	115.15	6.017		
9,400.00	7,745.58	9,338.32	7,629.00	60.37	61.40	80.30	1,054.89	-2,278.13	692.33	572.56	119.77	5.781		
9,500.00	7,745.93	9,438.32	7,629.00	62.74	63.73	80.27	1,056.22	-2,378.12	691.84	567.39	124.44	5.559		
9,600.00	7,746.28	9,538.31	7,629.00	65.14	66.08	80.23	1,057.56	-2,478.11	691.34	562.18	129.17	5.352		
9,700.00	7,746.63	9,638.31	7,629.00	67.56	68.46	80.20	1,058.90	-2,578.10	690.85	556.92	133.93	5.158		
9,800.00	7,746.98	9,738.31	7,629.00	70.01	70.86	80.16	1,060.23	-2,678.09	690.35	551.62	138.74	4.976		
9,900.00	7,747.33	9,838.31	7,629.00	72.47	73.29	80.12	1,061.57	-2,778.08	689.86	546.28	143.58	4.805		
10,000.00	7,747.67	9,938.31	7,629.00	74.94	75.73	80.09	1,062.90	-2,878.07	689.37	540.92	148.45	4.644		
10,100.00	7,748.02	10,038.30	7,629.00	77.43	78.19	80.05	1,064.24	-2,978.05	688.87	535.53	153.35	4.492		
10,200.00	7,748.37	10,138.30	7,629.00	79.94	80.66	80.01	1,065.58	-3,078.04	688.38	530.11	158.27	4.349		
10,300.00	7,748.72	10,238.30	7,629.00	82.46	83.15	79.98	1,066.91	-3,178.03	687.89	524.67	163.22	4.215		
10,400.00	7,749.07	10,338.30	7,629.00	84.98	85.65	79.94	1,068.25	-3,278.02	687.40	519.21	168.19	4.087		
10,500.00	7,749.42	10,438.29	7,629.00	87.52	88.17	79.90	1,069.58	-3,378.01	686.91	513.73	173.18	3.967		
10,600.00	7,749.77	10,538.29	7,629.00	90.07	90.69	79.87	1,070.92	-3,478.00	686.41	508.23	178.18	3.852		
10,700.00	7,750.11	10,638.29	7,629.00	92.62	93.22	79.83	1,072.26	-3,577.99	685.92	502.72	183.20	3.744		
10,800.00	7,750.46	10,738.29	7,629.00	95.19	95.77	79.79	1,073.59	-3,677.98	685.43	497.20	188.23	3.641		
10,900.00	7,750.81	10,838.29	7,629.00	97.76	98.32	79.75	1,074.93	-3,777.97	684.94	491.66	193.28	3.544		
11,000.00	7,751.16	10,938.28	7,629.00	100.34	100.88	79.72	1,076.26	-3,877.95	684.45	486.11	198.34	3.451		
11,100.00	7,751.51	11,038.28	7,629.00	102.92	103.44	79.68	1,077.60	-3,977.94	683.96	480.55	203.41	3.362		
11,200.00	7,751.86	11,138.28	7,629.00	105.51	106.02	79.64	1,078.94	-4,077.93	683.47	474.98	208.49	3.278		
11,300.00	7,752.21	11,238.28	7,629.00	108.11	108.60	79.61	1,080.27	-4,177.92	682.98	469.40	213.58	3.198		
11,400.00	7,752.55	11,338.28	7,629.00	110.70	111.18	79.57	1,081.61	-4,277.91	682.49	463.81	218.68	3.121		
11,500.00	7,752.90	11,438.27	7,629.00	113.31	113.77	79.53	1,082.95	-4,377.90	682.00	458.21	223.79	3.048		
11,527.76	7,753.00	11,466.03	7,629.00	114.03	114.49	79.52	1,083.32	-4,405.65	681.87	456.66	225.21	3.028		
11,530.60	7,753.01	11,468.87	7,629.00	114.11	114.56	79.52	1,083.35	-4,408.50	681.86	456.51	225.35	3.026		
11,550.00	7,753.07	11,488.27	7,629.00	114.61	115.07	79.52	1,083.61	-4,427.89	682.18	455.83	226.35	3.014		
11,600.00	7,753.18	11,538.11	7,629.00	115.90	116.36	79.51	1,084.28	-4,477.72	685.97	457.05	228.93	2.996 SF		
11,650.00	7,753.23	11,587.42	7,629.00	117.15	117.64	79.47	1,084.94	-4,527.03	694.01	462.51	231.51	2.998		
11,700.00	7,753.20	11,635.83	7,629.00	118.36	118.90	79.40	1,085.59	-4,575.44	706.24	472.18	234.06	3.017		
11,750.00	7,753.11	11,682.98	7,629.00	119.50	120.13	79.30	1,086.22	-4,622.58	722.58	486.01	236.56	3.054		
11,800.00	7,752.95	11,728.50	7,629.00	120.58	121.31	79.15	1,086.82	-4,668.10	742.90	503.92	238.98	3.109		
11,850.00	7,752.73	11,772.04	7,629.00	121.58	122.45	78.93	1,087.41	-4,711.64	767.07	525.78	241.29	3.179		
11,900.00	7,752.44	11,813.29	7,629.00	122.49	123.52	78.62	1,087.96	-4,752.88	794.91	551.45	243.45	3.265		
11,950.00	7,752.10	11,851.91	7,629.00	123.31	124.53	78.18	1,088.47	-4,791.50	826.21	580.74	245.47	3.366		
12,000.00	7,751.69	11,887.62	7,629.00	124.03	125.46	77.59	1,088.95	-4,827.21	860.75	613.45	247.30	3.481		
12,050.00	7,751.22	11,920.15	7,629.00	124.65	126.31	76.77	1,089.38	-4,859.73	898.26	649.31	248.95	3.608		
12,100.00	7,750.71	11,949.25	7,629.00	125.18	127.07	75.64	1,089.77	-4,888.83	938.47	688.08	250.39	3.748		
12,150.00	7,750.14	11,974.69	7,629.00	125.62	127.74	74.03	1,090.11	-4,914.27	981.07	729.44	251.64	3.899		
12,200.00	7,749.53	11,996.29	7,629.00	125.96	128.30	71.68	1,090.40	-4,935.87	1,025.74	773.07	252.67	4.060		
12,250.00	7,748.89	12,013.88	7,629.00	126.22	128.76	68.06	1,090.64	-4,953.45	1,072.15	818.64	253.51	4.229		
12,300.00	7,748.20	12,027.32	7,629.00	126.41	129.11	61.98	1,090.82	-4,966.89	1,119.92	865.78	254.15	4.407		
12,350.00	7,747.49	12,036.51	7,629.00	126.53	129.35	50.48	1,090.94	-4,976.09	1,168.71	914.11	254.59	4.590		
12,400.00	7,746.76	12,041.39	7,629.00	126.60	129.48	25.77	1,091.00	-4,980.96	1,218.13	963.27	254.86	4.780		
12,450.00	7,746.00	12,041.91	7,629.00	126.62	129.50	-17.08	1,091.01	-4,981.49	1,267.81	1,012.85	254.96	4.973		
12,500.00	7,745.23	12,038.08	7,629.00	126.62	129.40	-49.15	1,090.96	-4,977.65	1,317.37	1,062.46	254.91	5.168		
12,550.00	7,744.46	12,029.91	7,629.00	126.59	129.18	-64.14	1,090.85	-4,969.49	1,366.43	1,111.71	254.72	5.364		
12,600.00	7,743.68	12,017.48	7,629.00	126.55	128.86	-71.70	1,090.68	-4,957.06	1,414.60	1,160.20	254.40	5.561		
12,650.00	7,742.91	12,000.88	7,629.00	126.52	128.42	-76.09	1,090.46	-4,940.46	1,461.53	1,207.56	253.98	5.755		
12,700.00	7,742.16	11,980.23	7,629.00	126.50	127.88	-78.91	1,090.19	-4,919.81	1,506.85	1,253.40	253.46	5.945		
12,750.00	7,741.41	11,955.70	7,629.00	126.51	127.24	-80.85	1,089.86	-4,895.28	1,550.22	1,297.36	252.86	6.131		
12,800.00	7,740.69	11,927.46	7,629.00	126.55	126.50	-82.26	1,089.48	-4,867.04	1,591.30	1,339.10	252.20	6.310		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,850.00	7,740.00	11,895.73	7,629.00	126.64	125.67	-83.31	1,089.06	-4,835.32	1,629.78	1,378.30	251.48	6.481		
12,900.00	7,739.34	11,860.76	7,629.00	126.77	124.76	-84.12	1,088.59	-4,800.35	1,665.36	1,414.63	250.73	6.642		
12,950.00	7,738.72	11,822.81	7,629.00	126.95	123.77	-84.76	1,088.08	-4,762.40	1,697.77	1,447.82	249.95	6.792		
12,966.03	7,738.53	11,810.06	7,629.00	127.02	123.44	-84.93	1,087.91	-4,749.65	1,707.45	1,457.76	249.69	6.838		
13,000.00	7,738.13	11,782.75	7,629.00	127.17	122.73	-85.00	1,087.55	-4,722.34	1,727.59	1,478.43	249.16	6.934		
13,100.00	7,736.96	11,702.36	7,629.00	127.65	120.63	-85.20	1,086.47	-4,641.96	1,786.87	1,539.28	247.59	7.217		
13,200.00	7,735.78	11,621.97	7,629.00	128.16	118.54	-85.38	1,085.40	-4,561.58	1,846.16	1,600.12	246.05	7.503		
13,221.13	7,735.54	11,604.98	7,629.00	128.27	118.10	-85.42	1,085.17	-4,544.60	1,858.69	1,612.97	245.72	7.564		
13,250.00	7,735.21	11,581.36	7,629.00	128.44	117.48	-85.68	1,084.86	-4,520.97	1,875.22	1,629.94	245.28	7.645		
13,300.00	7,734.68	11,538.56	7,629.00	128.76	116.37	-86.06	1,084.29	-4,478.18	1,900.98	1,656.46	244.51	7.775		
13,350.00	7,734.22	11,493.68	7,629.00	129.14	115.21	-86.36	1,083.69	-4,433.30	1,922.91	1,679.17	243.74	7.889		
13,400.00	7,733.83	11,447.05	7,629.00	129.57	114.00	-86.60	1,083.06	-4,386.67	1,940.86	1,697.90	242.96	7.988		
13,450.00	7,733.51	11,399.03	7,629.00	130.04	112.75	-86.77	1,082.42	-4,338.66	1,954.69	1,712.50	242.19	8.071		
13,500.00	7,733.25	11,349.98	7,629.00	130.54	111.48	-86.89	1,081.77	-4,289.61	1,964.29	1,722.86	241.43	8.136		
13,550.00	7,733.08	11,300.28	7,629.00	131.06	110.20	-86.95	1,081.10	-4,239.92	1,969.59	1,728.93	240.67	8.184		
13,582.30	7,733.00	11,268.00	7,629.00	131.41	109.36	-86.97	1,080.67	-4,207.64	1,970.71	1,730.53	240.18	8.205		
13,600.00	7,732.97	11,250.30	7,629.00	131.60	108.91	-86.98	1,080.43	-4,189.95	1,970.83	1,730.91	239.91	8.215		
13,700.00	7,732.78	11,150.31	7,629.00	132.71	106.33	-86.98	1,079.10	-4,089.96	1,971.48	1,733.04	238.44	8.268		
13,800.00	7,732.60	11,050.31	7,629.00	133.86	103.75	-86.99	1,077.76	-3,989.97	1,972.13	1,735.12	237.01	8.321		
13,900.00	7,732.41	10,950.31	7,629.00	135.06	101.19	-86.99	1,076.43	-3,889.98	1,972.78	1,737.14	235.64	8.372		
14,000.00	7,732.23	10,850.31	7,629.00	136.31	98.63	-87.00	1,075.09	-3,789.99	1,973.43	1,739.12	234.31	8.422		
14,100.00	7,732.05	10,750.32	7,629.00	137.59	96.07	-87.01	1,073.75	-3,690.00	1,974.08	1,741.05	233.03	8.471		
14,200.00	7,731.86	10,650.32	7,629.00	138.92	93.53	-87.01	1,072.42	-3,590.02	1,974.73	1,742.93	231.80	8.519		
14,300.00	7,731.68	10,550.32	7,629.00	140.29	91.00	-87.02	1,071.08	-3,490.03	1,975.38	1,744.77	230.61	8.566		
14,400.00	7,731.49	10,450.32	7,629.00	141.69	88.47	-87.03	1,069.74	-3,390.04	1,976.03	1,746.56	229.48	8.611		
14,500.00	7,731.31	10,350.33	7,629.00	143.14	85.95	-87.03	1,068.41	-3,290.05	1,976.68	1,748.30	228.39	8.655		
14,600.00	7,731.12	10,250.33	7,629.00	144.62	83.45	-87.04	1,067.07	-3,190.06	1,977.33	1,749.99	227.34	8.698		
14,700.00	7,730.94	10,150.33	7,629.00	146.13	80.96	-87.05	1,065.74	-3,090.07	1,977.99	1,751.65	226.34	8.739		
14,800.00	7,730.76	10,050.33	7,629.00	147.68	78.48	-87.05	1,064.40	-2,990.08	1,978.64	1,753.25	225.39	8.779		
14,900.00	7,730.57	9,950.33	7,629.00	149.26	76.02	-87.06	1,063.06	-2,890.09	1,979.29	1,754.81	224.48	8.817		
15,000.00	7,730.39	9,850.34	7,629.00	150.88	73.58	-87.06	1,061.73	-2,790.11	1,979.94	1,756.32	223.62	8.854		
15,100.00	7,730.20	9,750.34	7,629.00	152.52	71.15	-87.07	1,060.39	-2,690.12	1,980.59	1,757.79	222.80	8.889		
15,200.00	7,730.02	9,650.34	7,629.00	154.20	68.75	-87.08	1,059.06	-2,590.13	1,981.24	1,759.21	222.03	8.923		
15,300.00	7,729.83	9,550.34	7,629.00	155.90	66.37	-87.08	1,057.72	-2,490.14	1,981.89	1,760.58	221.32	8.955		
15,400.00	7,729.65	9,450.35	7,629.00	157.63	64.01	-87.09	1,056.38	-2,390.15	1,982.54	1,761.90	220.65	8.985		
15,500.00	7,729.47	9,350.35	7,629.00	159.39	61.68	-87.10	1,055.05	-2,290.16	1,983.19	1,763.16	220.03	9.013		
15,600.00	7,729.28	9,250.35	7,629.00	161.18	59.39	-87.10	1,053.71	-2,190.17	1,983.84	1,764.38	219.47	9.039		
15,700.00	7,729.10	9,150.35	7,629.00	162.99	57.13	-87.11	1,052.38	-2,090.18	1,984.50	1,765.54	218.96	9.063		
15,800.00	7,728.91	9,050.36	7,629.00	164.82	54.91	-87.11	1,051.04	-1,990.20	1,985.15	1,766.63	218.51	9.085		
15,900.00	7,728.73	8,950.36	7,629.00	166.68	52.74	-87.12	1,049.70	-1,890.21	1,985.80	1,767.67	218.13	9.104		
16,000.00	7,728.54	8,850.36	7,629.00	168.56	50.62	-87.13	1,048.37	-1,790.22	1,986.45	1,768.63	217.82	9.120		
16,100.00	7,728.36	8,750.36	7,629.00	170.46	48.56	-87.13	1,047.03	-1,690.23	1,987.10	1,769.52	217.58	9.133		
16,200.00	7,728.18	8,650.37	7,629.00	172.39	46.57	-87.14	1,045.69	-1,590.24	1,987.75	1,770.33	217.42	9.143		
16,300.00	7,727.99	8,550.37	7,629.00	174.33	44.66	-87.15	1,044.36	-1,490.25	1,988.40	1,771.06	217.35	9.149		
16,400.00	7,727.81	8,450.37	7,629.00	176.30	42.84	-87.15	1,043.02	-1,390.26	1,989.05	1,771.68	217.37	9.150		
16,500.00	7,727.62	8,350.37	7,629.00	178.28	41.12	-87.16	1,041.69	-1,290.27	1,989.71	1,772.20	217.51	9.148		
16,600.00	7,727.44	8,250.37	7,629.00	180.29	39.51	-87.16	1,040.35	-1,190.29	1,990.36	1,772.59	217.77	9.140		
16,700.00	7,727.25	8,150.38	7,629.00	182.31	38.04	-87.17	1,039.01	-1,090.30	1,991.01	1,772.85	218.16	9.126		
16,800.00	7,727.07	8,050.38	7,629.00	184.35	36.70	-87.18	1,037.68	-990.31	1,991.66	1,772.97	218.69	9.107		
16,837.81	7,727.00	8,005.43	7,628.46	185.12	36.15	-87.16	1,037.01	-945.37	1,991.87	1,773.00	218.88	9.100		

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	0.32	100.19	0.56	100.20					
100.00	100.00	100.00	100.00	0.27	0.13	0.32	100.19	0.56	100.20	99.79	0.40	248.454	CC, ES	
200.00	200.00	197.26	197.24	0.63	0.48	-0.24	101.51	-0.43	101.55	100.44	1.11	91.097		
300.00	300.00	294.29	294.14	0.99	0.84	-1.85	105.45	-3.40	105.67	103.84	1.83	57.780		
400.00	399.98	391.03	390.53	1.34	1.20	48.55	111.99	-8.33	111.54	109.00	2.54	43.927		
500.00	499.84	487.53	486.35	1.70	1.58	47.24	121.09	-15.20	117.99	114.74	3.25	36.286		
514.88	514.68	501.87	500.56	1.76	1.64	47.09	122.66	-16.38	119.00	115.64	3.36	35.460		
600.00	599.56	583.71	581.41	2.07	1.98	46.08	132.72	-23.97	125.83	121.86	3.97	31.661		
700.00	699.28	679.26	675.32	2.44	2.41	44.42	146.79	-34.58	136.59	131.89	4.70	29.040		
800.00	799.00	776.24	770.07	2.81	2.86	42.47	163.27	-47.02	150.00	144.56	5.44	27.558		
900.00	898.72	875.15	866.64	3.18	3.35	40.74	180.39	-59.93	163.92	157.72	6.20	26.443		
1,000.00	998.43	974.07	963.20	3.55	3.83	39.28	197.50	-72.84	177.96	171.02	6.95	25.624		
1,100.00	1,098.15	1,072.99	1,059.77	3.93	4.33	38.04	214.62	-85.75	192.10	184.40	7.70	24.940		
1,200.00	1,197.87	1,171.90	1,156.33	4.31	4.82	36.97	231.74	-98.66	206.32	197.86	8.46	24.398		
1,300.00	1,297.59	1,270.82	1,252.90	4.68	5.32	36.03	248.85	-111.57	220.59	211.38	9.21	23.954		
1,400.00	1,397.31	1,369.73	1,349.46	5.06	5.81	35.21	265.97	-124.48	234.92	224.96	9.96	23.582		
1,500.00	1,497.03	1,468.65	1,446.03	5.44	6.31	34.49	283.08	-137.39	249.29	238.57	10.71	23.267		
1,600.00	1,596.75	1,567.56	1,542.59	5.81	6.81	33.84	300.20	-150.30	263.69	252.23	11.47	22.997		
1,700.00	1,696.47	1,666.48	1,639.16	6.19	7.31	33.26	317.31	-163.21	278.13	265.91	12.22	22.762		
1,800.00	1,796.19	1,765.40	1,735.72	6.57	7.81	32.74	334.43	-176.12	292.58	279.61	12.97	22.558		
1,900.00	1,895.90	1,864.31	1,832.28	6.94	8.31	32.27	351.54	-189.03	307.06	293.34	13.72	22.377		
2,000.00	1,995.62	1,963.23	1,928.85	7.32	8.81	31.83	368.66	-201.94	321.56	307.09	14.47	22.217		
2,100.00	2,095.34	2,062.14	2,025.41	7.70	9.32	31.44	385.77	-214.85	336.08	320.85	15.23	22.073		
2,200.00	2,195.06	2,161.06	2,121.98	8.08	9.82	31.08	402.89	-227.77	350.61	334.63	15.98	21.944		
2,300.00	2,294.78	2,259.97	2,218.54	8.45	10.32	30.75	420.01	-240.68	365.15	348.42	16.73	21.828		
2,400.00	2,394.50	2,358.89	2,315.11	8.83	10.82	30.44	437.12	-253.59	379.70	362.22	17.48	21.722		
2,500.00	2,494.22	2,457.81	2,411.67	9.21	11.33	30.16	454.24	-266.50	394.26	376.03	18.23	21.625		
2,600.00	2,593.94	2,556.72	2,508.24	9.59	11.83	29.89	471.35	-279.41	408.84	389.85	18.98	21.537		
2,700.00	2,693.65	2,655.64	2,604.80	9.97	12.33	29.65	488.47	-292.32	423.41	403.68	19.73	21.456		
2,800.00	2,793.37	2,754.55	2,701.36	10.34	12.83	29.42	505.58	-305.23	438.00	417.52	20.49	21.381		
2,900.00	2,893.09	2,853.47	2,797.93	10.72	13.34	29.20	522.70	-318.14	452.59	431.36	21.24	21.311		
3,000.00	2,992.81	2,952.39	2,894.49	11.10	13.84	29.00	539.81	-331.05	467.19	445.20	21.99	21.247		
3,100.00	3,092.53	3,051.30	2,991.06	11.48	14.34	28.81	556.93	-343.96	481.80	459.06	22.74	21.187		
3,200.00	3,192.25	3,150.22	3,087.62	11.86	14.85	28.64	574.04	-356.87	496.41	472.91	23.49	21.131		
3,300.00	3,291.97	3,249.13	3,184.19	12.23	15.35	28.47	591.16	-369.78	511.02	486.78	24.24	21.079		
3,400.00	3,391.69	3,348.05	3,280.75	12.61	15.85	28.31	608.27	-382.69	525.64	500.64	24.99	21.030		
3,500.00	3,491.41	3,446.96	3,377.32	12.99	16.36	28.16	625.39	-395.60	540.26	514.51	25.75	20.984		
3,600.00	3,591.12	3,545.88	3,473.88	13.37	16.86	28.02	642.51	-408.51	554.88	528.38	26.50	20.941		
3,700.00	3,690.84	3,644.80	3,570.45	13.75	17.36	27.88	659.62	-421.42	569.51	542.26	27.25	20.900		
3,800.00	3,790.56	3,743.71	3,667.01	14.13	17.87	27.76	676.74	-434.33	584.14	556.14	28.00	20.862		
3,900.00	3,890.28	3,842.63	3,763.57	14.50	18.37	27.63	693.85	-447.24	598.77	570.02	28.75	20.826		
4,000.00	3,990.00	3,941.54	3,860.14	14.88	18.88	27.52	710.97	-460.15	613.41	583.91	29.50	20.791		
4,100.00	4,089.72	4,040.46	3,956.70	15.26	19.38	27.41	728.08	-473.06	628.05	597.79	30.25	20.759		
4,200.00	4,189.44	4,139.37	4,053.27	15.64	19.88	27.30	745.20	-485.97	642.69	611.68	31.01	20.728		
4,300.00	4,289.16	4,238.29	4,149.83	16.02	20.39	27.20	762.31	-498.89	657.33	625.57	31.76	20.698		
4,400.00	4,388.87	4,337.21	4,246.40	16.39	20.89	27.11	779.43	-511.80	671.97	639.46	32.51	20.670		
4,500.00	4,488.59	4,436.12	4,342.96	16.77	21.39	27.01	796.54	-524.71	686.62	653.36	33.26	20.643		
4,600.00	4,588.31	4,535.04	4,439.53	17.15	21.90	26.92	813.66	-537.62	701.27	667.25	34.01	20.618		
4,700.00	4,688.03	4,633.95	4,536.09	17.53	22.40	26.84	830.78	-550.53	715.92	681.15	34.76	20.593		
4,800.00	4,787.75	4,732.87	4,632.66	17.91	22.91	26.76	847.89	-563.44	730.57	695.05	35.52	20.570		
4,900.00	4,887.47	4,831.78	4,729.22	18.29	23.41	26.68	865.01	-576.35	745.22	708.95	36.27	20.548		
5,000.00	4,987.19	4,930.70	4,825.78	18.66	23.91	26.61	882.12	-589.26	759.87	722.85	37.02	20.526		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	
5,100.00	5,086.91	5,029.62	4,922.35	19.04	24.42	26.53	899.24	-602.17	774.53	736.76	37.77	20.506	
5,200.00	5,186.63	5,128.53	5,018.91	19.42	24.92	26.46	916.35	-615.08	789.18	750.66	38.52	20.486	
5,300.00	5,286.34	5,227.45	5,115.48	19.80	25.43	26.40	933.47	-627.99	803.84	764.56	39.27	20.467	
5,400.00	5,386.06	5,326.36	5,212.04	20.18	25.93	26.33	950.58	-640.90	818.50	778.47	40.03	20.449	
5,500.00	5,485.78	5,425.28	5,308.61	20.56	26.43	26.27	967.70	-653.81	833.16	792.38	40.78	20.431	
5,600.00	5,585.50	5,524.19	5,405.17	20.93	26.94	26.21	984.81	-666.72	847.82	806.29	41.53	20.414	
5,700.00	5,685.22	5,623.11	5,501.74	21.31	27.44	26.15	1,001.93	-679.63	862.48	820.19	42.28	20.398	
5,800.00	5,784.94	5,722.03	5,598.30	21.69	27.95	26.09	1,019.05	-692.54	877.14	834.10	43.03	20.382	
5,900.00	5,884.66	5,820.94	5,694.87	22.07	28.45	26.04	1,036.16	-705.45	891.80	848.01	43.79	20.367	
6,000.00	5,984.38	5,919.86	5,791.43	22.45	28.95	25.99	1,053.28	-718.36	906.46	861.93	44.54	20.353	
6,100.00	6,084.09	6,018.77	5,887.99	22.83	29.46	25.94	1,070.39	-731.27	921.13	875.84	45.29	20.338	
6,200.00	6,183.81	6,117.69	5,984.56	23.20	29.96	25.89	1,087.51	-744.18	935.79	889.75	46.04	20.325	
6,300.00	6,283.53	6,216.60	6,081.12	23.58	30.47	25.84	1,104.62	-757.09	950.46	903.66	46.79	20.311	
6,400.00	6,383.25	6,315.52	6,177.69	23.96	30.97	25.79	1,121.74	-770.01	965.12	917.58	47.55	20.299	
6,500.00	6,482.97	6,414.44	6,274.25	24.34	31.48	25.75	1,138.85	-782.92	979.79	931.49	48.30	20.286	
6,600.00	6,582.69	6,513.35	6,370.82	24.72	31.98	25.70	1,155.97	-795.83	994.46	945.41	49.05	20.274	
6,700.00	6,682.41	6,612.27	6,467.38	25.09	32.48	25.66	1,173.08	-808.74	1,009.12	959.32	49.80	20.262	
6,800.00	6,782.13	6,711.18	6,563.95	25.47	32.99	25.62	1,190.20	-821.65	1,023.79	973.24	50.55	20.251	
6,900.00	6,881.84	6,810.10	6,660.51	25.85	33.49	25.58	1,207.32	-834.56	1,038.46	987.15	51.31	20.240	
7,000.00	6,981.56	6,909.02	6,757.07	26.23	34.00	25.54	1,224.43	-847.47	1,053.13	1,001.07	52.06	20.229	
7,100.00	7,081.28	7,007.93	6,853.64	26.61	34.50	25.50	1,241.55	-860.38	1,067.80	1,014.99	52.81	20.219	
7,200.00	7,181.00	7,106.85	6,950.20	26.99	35.00	25.47	1,258.66	-873.29	1,082.47	1,028.91	53.56	20.209	
7,222.08	7,203.02	7,128.69	6,971.53	27.07	35.12	25.46	1,262.44	-876.14	1,085.71	1,031.98	53.73	20.207	
7,250.00	7,230.81	7,180.82	7,022.57	27.18	35.37	39.57	1,271.46	-881.42	1,089.07	1,034.96	54.11	20.128	
7,300.00	7,280.16	7,482.39	7,310.77	27.39	36.16	54.77	1,320.77	-824.67	1,085.71	1,030.71	55.00	19.741	
7,350.00	7,328.67	7,636.00	7,436.41	27.61	36.21	65.53	1,341.14	-739.72	1,075.02	1,019.63	55.38	19.410	
7,400.00	7,375.96	7,740.35	7,507.40	27.86	36.15	73.94	1,352.14	-664.30	1,062.94	1,006.82	56.12	18.940	
7,450.00	7,421.67	7,771.00	7,525.48	28.12	36.12	78.01	1,354.84	-639.70	1,051.66	994.65	57.01	18.447	
7,500.00	7,465.45	7,782.17	7,531.74	28.40	36.11	80.45	1,355.76	-630.50	1,042.01	984.15	57.87	18.007	
7,550.00	7,506.97	7,782.44	7,531.89	28.70	36.11	81.85	1,355.78	-630.27	1,034.33	975.66	58.67	17.631	
7,600.00	7,545.92	7,776.09	7,528.36	29.02	36.12	82.51	1,355.26	-635.52	1,028.72	969.32	59.40	17.318	
7,650.00	7,582.00	7,765.44	7,522.29	29.37	36.13	82.61	1,354.37	-644.24	1,025.18	965.11	60.07	17.066	
7,700.00	7,614.93	7,751.83	7,514.33	29.76	36.15	82.28	1,353.18	-655.20	1,023.68	962.99	60.69	16.866	
7,713.65	7,623.34	7,747.73	7,511.87	29.87	36.15	82.13	1,352.81	-658.47	1,023.61	962.75	60.86	16.818	
7,750.00	7,644.47	7,736.14	7,504.82	30.18	36.16	81.60	1,351.75	-667.60	1,024.10	962.81	61.29	16.710	
7,800.00	7,670.38	7,718.90	7,493.99	30.64	36.17	80.63	1,350.10	-680.92	1,026.31	964.45	61.86	16.592	
7,850.00	7,692.48	7,700.00	7,481.68	31.14	36.19	79.39	1,348.22	-695.13	1,030.14	967.73	62.41	16.505	
7,900.00	7,710.59	7,681.21	7,468.98	31.68	36.20	78.02	1,346.25	-708.84	1,035.42	972.43	62.99	16.438	
7,950.00	7,724.57	7,661.21	7,455.00	32.27	36.21	76.46	1,344.07	-722.97	1,041.95	978.37	63.57	16.389	
8,000.00	7,734.32	7,640.65	7,440.12	32.89	36.21	74.79	1,341.74	-736.97	1,049.52	985.34	64.18	16.353	
8,050.00	7,739.77	7,619.63	7,424.42	33.54	36.22	73.04	1,339.25	-750.71	1,057.94	993.12	64.81	16.323	
8,085.63	7,741.00	7,600.00	7,409.31	34.02	36.22	71.57	1,336.84	-763.01	1,064.35	999.13	65.21	16.321	
8,100.00	7,741.05	7,600.00	7,409.31	34.22	36.22	71.57	1,336.84	-763.01	1,067.04	1,001.55	65.49	16.292	
8,200.00	7,741.40	7,560.30	7,377.54	35.69	36.21	69.82	1,331.72	-786.25	1,089.69	1,022.86	66.83	16.305	
8,300.00	7,741.75	7,528.61	7,351.10	37.30	36.20	68.39	1,327.41	-803.16	1,119.13	1,050.94	68.19	16.412	
8,400.00	7,742.10	7,500.00	7,326.47	39.03	36.18	67.07	1,323.37	-817.14	1,155.21	1,085.76	69.46	16.632	
8,500.00	7,742.44	7,479.33	7,308.27	40.86	36.16	66.10	1,320.36	-826.46	1,197.62	1,126.94	70.68	16.944	
8,600.00	7,742.79	7,450.00	7,281.90	42.79	36.13	64.71	1,315.98	-838.52	1,245.99	1,174.41	71.58	17.407	
8,700.00	7,743.14	7,450.00	7,281.90	44.80	36.13	64.71	1,315.98	-838.52	1,299.59	1,226.80	72.79	17.854	
8,800.00	7,743.49	7,428.52	7,262.22	46.87	36.09	63.69	1,312.69	-846.48	1,358.01	1,284.54	73.47	18.485	
8,900.00	7,743.84	7,400.00	7,235.67	49.01	36.05	62.32	1,308.22	-855.89	1,421.01	1,347.13	73.88	19.234	
9,000.00	7,744.19	7,400.00	7,235.67	51.20	36.05	62.32	1,308.22	-855.89	1,487.38	1,412.76	74.62	19.933	

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,100.00	7,744.54	7,400.00	7,235.67	53.43	36.05	62.32	1,308.22	-855.89	1,557.34	1,482.12	75.22	20.703		
9,200.00	7,744.89	7,400.00	7,235.67	55.71	36.05	62.32	1,308.22	-855.89	1,630.44	1,554.73	75.72	21.534		
9,300.00	7,745.23	7,376.92	7,213.87	58.02	36.00	61.22	1,304.54	-862.51	1,705.75	1,629.96	75.79	22.505		
9,400.00	7,745.58	7,369.53	7,206.84	60.37	35.99	60.86	1,303.34	-864.44	1,783.57	1,707.54	76.03	23.460		
9,500.00	7,745.93	7,350.00	7,188.14	62.74	35.95	59.93	1,300.16	-869.10	1,863.57	1,787.54	76.03	24.510		
9,600.00	7,746.28	7,350.00	7,188.14	65.14	35.95	59.93	1,300.16	-869.10	1,945.08	1,868.82	76.26	25.505		
9,700.00	7,746.63	7,350.00	7,188.14	67.56	35.95	59.93	1,300.16	-869.10	2,028.25	1,951.80	76.45	26.531		
9,800.00	7,746.98	7,350.00	7,188.14	70.01	35.95	59.93	1,300.16	-869.10	2,112.88	2,036.28	76.59	27.586		
9,900.00	7,747.33	7,350.00	7,188.14	72.47	35.95	59.93	1,300.16	-869.10	2,198.79	2,122.09	76.71	28.665		
10,000.00	7,747.67	7,350.00	7,188.14	74.94	35.95	59.93	1,300.16	-869.10	2,285.86	2,209.06	76.80	29.765		
10,100.00	7,748.02	7,350.00	7,188.14	77.43	35.95	59.93	1,300.16	-869.10	2,373.94	2,297.07	76.87	30.884		
10,200.00	7,748.37	7,328.89	7,167.77	79.94	35.89	58.93	1,296.68	-873.40	2,462.49	2,385.81	76.68	32.115		
10,300.00	7,748.72	7,325.36	7,164.35	82.46	35.88	58.76	1,296.10	-874.05	2,552.14	2,475.45	76.68	33.282		
10,400.00	7,749.07	7,322.05	7,161.14	84.98	35.88	58.61	1,295.55	-874.63	2,642.50	2,565.82	76.68	34.462		
10,500.00	7,749.42	7,300.00	7,139.67	87.52	35.82	57.57	1,291.86	-878.06	2,733.88	2,657.42	76.46	35.756		
10,600.00	7,749.77	7,300.00	7,139.67	90.07	35.82	57.57	1,291.86	-878.06	2,825.39	2,748.90	76.48	36.941		
10,700.00	7,750.11	7,300.00	7,139.67	92.62	35.82	57.57	1,291.86	-878.06	2,917.45	2,840.95	76.50	38.136		
10,800.00	7,750.46	7,300.00	7,139.67	95.19	35.82	57.57	1,291.86	-878.06	3,010.03	2,933.51	76.51	39.340		
10,900.00	7,750.81	7,300.00	7,139.67	97.76	35.82	57.57	1,291.86	-878.06	3,103.06	3,026.54	76.52	40.552		
11,000.00	7,751.16	7,300.00	7,139.67	100.34	35.82	57.57	1,291.86	-878.06	3,196.51	3,119.99	76.53	41.770		
11,100.00	7,751.51	7,300.00	7,139.67	102.92	35.82	57.57	1,291.86	-878.06	3,290.35	3,213.82	76.53	42.995		
11,200.00	7,751.86	7,300.00	7,139.67	105.51	35.82	57.57	1,291.86	-878.06	3,384.54	3,308.02	76.53	44.226		
11,300.00	7,752.21	7,300.00	7,139.67	108.11	35.82	57.57	1,291.86	-878.06	3,479.06	3,402.53	76.53	45.462		
11,400.00	7,752.55	7,300.00	7,139.67	110.70	35.82	57.57	1,291.86	-878.06	3,573.87	3,497.35	76.52	46.703		
11,500.00	7,752.90	7,300.00	7,139.67	113.31	35.82	57.57	1,291.86	-878.06	3,668.96	3,592.44	76.52	47.947		
11,527.76	7,753.00	7,300.00	7,139.67	114.03	35.82	57.57	1,291.86	-878.06	3,695.40	3,618.88	76.52	48.293		
11,550.00	7,753.07	7,300.00	7,139.67	114.61	35.82	53.27	1,291.86	-878.06	3,716.71	3,640.19	76.52	48.571		
11,600.00	7,753.18	7,300.00	7,139.67	115.90	35.82	38.95	1,291.86	-878.06	3,765.26	3,688.73	76.53	49.197		
11,650.00	7,753.23	7,300.00	7,139.67	117.15	35.82	15.19	1,291.86	-878.06	3,814.40	3,737.84	76.56	49.821		
11,700.00	7,753.20	7,300.00	7,139.67	118.36	35.82	-14.88	1,291.86	-878.06	3,863.74	3,787.13	76.60	50.438		
11,750.00	7,753.11	7,300.00	7,139.67	119.50	35.82	-38.63	1,291.86	-878.06	3,912.90	3,836.23	76.66	51.040		
11,800.00	7,752.95	7,300.00	7,139.67	120.58	35.82	-52.96	1,291.86	-878.06	3,961.52	3,884.78	76.74	51.621		
11,850.00	7,752.73	7,300.00	7,139.67	121.58	35.82	-61.49	1,291.86	-878.06	4,009.26	3,932.42	76.85	52.173		
11,900.00	7,752.44	7,300.00	7,139.67	122.49	35.82	-66.90	1,291.86	-878.06	4,055.80	3,978.82	76.98	52.688		
11,950.00	7,752.10	7,300.00	7,139.67	123.31	35.82	-70.56	1,291.86	-878.06	4,100.81	4,023.67	77.14	53.160		
12,000.00	7,751.69	7,300.00	7,139.67	124.03	35.82	-73.17	1,291.86	-878.06	4,144.03	4,066.69	77.34	53.580		
12,050.00	7,751.22	7,300.00	7,139.67	124.65	35.82	-75.11	1,291.86	-878.06	4,185.18	4,107.59	77.59	53.942		
12,100.00	7,750.71	7,300.00	7,139.67	125.18	35.82	-76.60	1,291.86	-878.06	4,224.01	4,146.12	77.88	54.237		
12,150.00	7,750.14	7,300.00	7,139.67	125.62	35.82	-77.77	1,291.86	-878.06	4,260.29	4,182.06	78.23	54.460		
12,200.00	7,749.53	7,300.00	7,139.67	125.96	35.82	-78.71	1,291.86	-878.06	4,293.81	4,215.18	78.63	54.604		
12,250.00	7,748.89	7,300.00	7,139.67	126.22	35.82	-79.48	1,291.86	-878.06	4,324.39	4,245.28	79.11	54.665		
12,300.00	7,748.20	7,277.20	7,117.36	126.41	35.75	-79.76	1,288.01	-880.71	4,351.38	4,271.92	79.45	54.766		
12,350.00	7,747.49	7,275.98	7,116.16	126.53	35.74	-80.28	1,287.80	-880.83	4,375.53	4,295.47	80.06	54.652		
12,400.00	7,746.76	7,274.80	7,115.00	126.60	35.74	-80.70	1,287.60	-880.94	4,396.30	4,315.55	80.75	54.443		
12,450.00	7,746.00	7,273.65	7,113.88	126.62	35.73	-81.05	1,287.41	-881.04	4,413.57	4,332.05	81.52	54.140		
12,500.00	7,745.23	7,272.56	7,112.80	126.62	35.73	-81.32	1,287.22	-881.14	4,427.25	4,344.87	82.38	53.745		
12,550.00	7,744.46	7,250.00	7,090.63	126.59	35.66	-81.26	1,283.38	-882.70	4,437.69	4,354.57	83.13	53.385		
12,600.00	7,743.68	7,250.00	7,090.63	126.55	35.66	-81.44	1,283.38	-882.70	4,443.97	4,359.81	84.16	52.805		
12,650.00	7,742.91	7,250.00	7,090.63	126.52	35.66	-81.55	1,283.38	-882.70	4,446.50	4,361.23	85.27	52.147		
12,700.00	7,742.16	7,250.00	7,090.63	126.50	35.66	-81.61	1,283.38	-882.70	4,445.28	4,358.83	86.45	51.419		
12,750.00	7,741.41	7,250.00	7,090.63	126.51	35.66	-81.61	1,283.38	-882.70	4,440.32	4,352.62	87.70	50.629		
12,800.00	7,740.69	7,250.00	7,090.63	126.55	35.66	-81.55	1,283.38	-882.70	4,431.64	4,342.63	89.01	49.788		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,850.00	7,740.00	7,250.00	7,090.63	126.64	35.66	-81.42	1,283.38	-882.70	4,419.29	4,328.93	90.36	48.905		
12,900.00	7,739.34	7,250.00	7,090.63	126.77	35.66	-81.22	1,283.38	-882.70	4,403.32	4,311.58	91.75	47.993		
12,950.00	7,738.72	7,250.00	7,090.63	126.95	35.66	-80.93	1,283.38	-882.70	4,383.83	4,290.68	93.15	47.062		
12,966.03	7,738.53	7,250.00	7,090.63	127.02	35.66	-80.82	1,283.38	-882.70	4,376.85	4,283.25	93.60	46.760		
13,000.00	7,738.13	7,250.00	7,090.63	127.17	35.66	-80.82	1,283.38	-882.70	4,361.80	4,267.23	94.56	46.126		
13,100.00	7,736.96	7,250.00	7,090.63	127.65	35.66	-80.82	1,283.38	-882.70	4,318.72	4,221.26	97.46	44.312		
13,200.00	7,735.78	7,250.00	7,090.63	128.16	35.66	-80.82	1,283.38	-882.70	4,277.55	4,177.09	100.46	42.579		
13,221.13	7,735.54	7,250.00	7,090.63	128.27	35.66	-80.82	1,283.38	-882.70	4,269.10	4,167.99	101.11	42.223		
13,250.00	7,735.21	7,250.00	7,090.63	128.44	35.66	-80.62	1,283.38	-882.70	4,257.04	4,155.05	101.99	41.739		
13,300.00	7,734.68	7,250.00	7,090.63	128.76	35.66	-80.19	1,283.38	-882.70	4,233.50	4,129.99	103.51	40.899		
13,350.00	7,734.22	7,250.00	7,090.63	129.14	35.66	-79.63	1,283.38	-882.70	4,206.70	4,101.70	105.00	40.065		
13,400.00	7,733.83	7,250.00	7,090.63	129.57	35.66	-78.92	1,283.38	-882.70	4,176.78	4,070.34	106.43	39.243		
13,450.00	7,733.51	7,250.00	7,090.63	130.04	35.66	-78.01	1,283.38	-882.70	4,143.90	4,036.10	107.80	38.440		
13,500.00	7,733.25	7,250.00	7,090.63	130.54	35.66	-76.84	1,283.38	-882.70	4,108.25	3,999.16	109.08	37.661		
13,550.00	7,733.08	7,250.00	7,090.63	131.06	35.66	-75.34	1,283.38	-882.70	4,070.03	3,959.76	110.27	36.910		
13,582.30	7,733.00	7,250.00	7,090.63	131.41	35.66	-74.12	1,283.38	-882.70	4,044.07	3,933.10	110.97	36.442		
13,600.00	7,732.97	7,250.00	7,090.63	131.60	35.66	-74.12	1,283.38	-882.70	4,029.61	3,918.26	111.35	36.190		
13,700.00	7,732.78	7,250.00	7,090.63	132.71	35.66	-74.12	1,283.38	-882.70	3,948.36	3,834.86	113.50	34.786		
13,800.00	7,732.60	7,250.00	7,090.63	133.86	35.66	-74.12	1,283.38	-882.70	3,868.00	3,752.25	115.76	33.415		
13,900.00	7,732.41	7,250.00	7,090.63	135.06	35.66	-74.12	1,283.38	-882.70	3,788.58	3,670.47	118.11	32.078		
14,000.00	7,732.23	7,250.00	7,090.63	136.31	35.66	-74.12	1,283.38	-882.70	3,710.14	3,589.59	120.55	30.776		
14,100.00	7,732.05	7,250.00	7,090.63	137.59	35.66	-74.12	1,283.38	-882.70	3,632.77	3,509.67	123.10	29.511		
14,200.00	7,731.86	7,271.48	7,111.74	138.92	35.73	-74.65	1,287.04	-881.24	3,556.16	3,430.18	125.97	28.229		
14,300.00	7,731.68	7,272.95	7,113.19	140.29	35.73	-74.68	1,287.29	-881.11	3,481.07	3,352.32	128.75	27.038		
14,400.00	7,731.49	7,274.51	7,114.72	141.69	35.74	-74.72	1,287.55	-880.96	3,407.25	3,275.63	131.62	25.886		
14,500.00	7,731.31	7,276.18	7,116.36	143.14	35.74	-74.76	1,287.84	-880.81	3,334.80	3,200.19	134.61	24.774		
14,600.00	7,731.12	7,277.97	7,118.11	144.62	35.75	-74.81	1,288.14	-880.64	3,263.80	3,126.10	137.70	23.702		
14,700.00	7,730.94	7,279.88	7,119.99	146.13	35.75	-74.85	1,288.46	-880.45	3,194.35	3,053.45	140.89	22.672		
14,800.00	7,730.76	7,300.00	7,139.67	147.68	35.82	-75.35	1,291.86	-878.06	3,126.79	2,982.41	144.38	21.656		
14,900.00	7,730.57	7,300.00	7,139.67	149.26	35.82	-75.35	1,291.86	-878.06	3,060.68	2,912.93	147.76	20.715		
15,000.00	7,730.39	7,300.00	7,139.67	150.88	35.82	-75.35	1,291.86	-878.06	2,996.46	2,845.24	151.22	19.815		
15,100.00	7,730.20	7,300.00	7,139.67	152.52	35.82	-75.35	1,291.86	-878.06	2,934.24	2,779.47	154.77	18.959		
15,200.00	7,730.02	7,300.00	7,139.67	154.20	35.82	-75.35	1,291.86	-878.06	2,874.15	2,715.76	158.39	18.146		
15,300.00	7,729.83	7,300.00	7,139.67	155.90	35.82	-75.35	1,291.86	-878.06	2,816.33	2,654.25	162.08	17.376		
15,400.00	7,729.65	7,300.00	7,139.67	157.63	35.82	-75.35	1,291.86	-878.06	2,760.92	2,595.11	165.82	16.651		
15,500.00	7,729.47	7,300.00	7,139.67	159.39	35.82	-75.35	1,291.86	-878.06	2,708.08	2,538.49	169.59	15.969		
15,600.00	7,729.28	7,300.00	7,139.67	161.18	35.82	-75.35	1,291.86	-878.06	2,657.94	2,484.56	173.38	15.330		
15,700.00	7,729.10	7,300.00	7,139.67	162.99	35.82	-75.35	1,291.86	-878.06	2,610.68	2,433.51	177.17	14.736		
15,800.00	7,728.91	7,300.00	7,139.67	164.82	35.82	-75.35	1,291.86	-878.06	2,566.44	2,385.51	180.93	14.185		
15,900.00	7,728.73	7,321.53	7,160.63	166.68	35.87	-75.87	1,295.46	-874.72	2,525.14	2,340.21	184.94	13.654		
16,000.00	7,728.54	7,327.99	7,166.90	168.56	35.89	-76.03	1,296.54	-873.57	2,487.28	2,298.61	188.67	13.183		
16,100.00	7,728.36	7,350.00	7,188.14	170.46	35.95	-76.56	1,300.16	-869.10	2,452.97	2,260.47	192.50	12.743		
16,200.00	7,728.18	7,350.00	7,188.14	172.39	35.95	-76.56	1,300.16	-869.10	2,422.05	2,226.12	195.93	12.362		
16,300.00	7,727.99	7,350.00	7,188.14	174.33	35.95	-76.56	1,300.16	-869.10	2,394.90	2,195.71	199.19	12.023		
16,400.00	7,727.81	7,365.42	7,202.92	176.30	35.98	-76.93	1,302.68	-865.47	2,371.57	2,169.10	202.47	11.713		
16,500.00	7,727.62	7,379.33	7,216.16	178.28	36.01	-77.26	1,304.92	-861.86	2,352.13	2,146.62	205.52	11.445		
16,600.00	7,727.44	7,400.00	7,235.67	180.29	36.05	-77.75	1,308.22	-855.89	2,336.65	2,128.23	208.42	11.211		
16,700.00	7,727.25	7,417.04	7,251.59	182.31	36.08	-78.15	1,310.90	-850.43	2,325.12	2,114.10	211.02	11.019		
16,800.00	7,727.07	7,443.37	7,275.85	184.35	36.12	-78.76	1,314.97	-841.06	2,317.52	2,104.04	213.48	10.856		
16,837.81	7,727.00	7,455.20	7,286.61	185.12	36.13	-79.03	1,316.76	-836.49	2,315.65	2,101.29	214.36	10.803 SF		

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	0.27	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		
300.00	300.00	300.00	300.00	0.99	0.85	0.27	60.13	0.28	60.13	58.29	1.84	32.728		
400.00	399.98	399.98	399.98	1.34	1.21	53.87	60.13	0.28	59.08	56.53	2.55	23.152		
500.00	499.84	499.84	499.84	1.70	1.57	58.23	60.13	0.28	56.15	52.88	3.27	17.178		
514.88	514.68	514.60	514.60	1.76	1.62	59.14	60.14	0.25	55.60	52.23	3.38	16.470		
600.00	599.56	599.19	599.17	2.07	1.92	63.30	60.81	-1.30	52.94	48.96	3.99	13.285		
700.00	699.28	698.80	698.64	2.44	2.27	65.12	62.85	-6.05	50.70	46.00	4.71	10.774		
800.00	799.00	798.43	797.89	2.81	2.64	63.11	66.27	-13.98	49.15	43.72	5.44	9.039		
882.65	881.42	880.63	879.51	3.12	2.95	58.38	70.12	-22.91	48.63	42.58	6.05	8.037 CC		
900.00	898.72	897.84	896.57	3.18	3.01	57.04	71.04	-25.05	48.66	42.48	6.18	7.876 ES		
1,000.00	998.43	997.31	994.92	3.55	3.40	48.02	76.91	-38.66	49.97	43.05	6.92	7.219		
1,100.00	1,098.15	1,096.98	1,093.44	3.93	3.81	39.41	82.88	-52.52	52.59	44.93	7.66	6.866		
1,200.00	1,197.87	1,196.64	1,191.95	4.31	4.22	31.77	88.86	-66.39	56.28	47.90	8.39	6.710		
1,300.00	1,297.59	1,296.31	1,290.47	4.68	4.64	25.16	94.84	-80.25	60.85	51.74	9.11	6.681		
1,400.00	1,397.31	1,395.98	1,388.99	5.06	5.06	19.54	100.81	-94.12	66.11	56.28	9.82	6.729		
1,500.00	1,497.03	1,495.65	1,487.51	5.44	5.48	14.78	106.79	-107.98	71.91	61.37	10.54	6.823		
1,600.00	1,596.75	1,595.31	1,586.02	5.81	5.90	10.75	112.76	-121.85	78.13	66.88	11.25	6.943		
1,700.00	1,696.47	1,694.98	1,684.54	6.19	6.33	7.33	118.74	-135.71	84.68	72.71	11.97	7.075		
1,800.00	1,796.19	1,794.65	1,783.06	6.57	6.76	4.41	124.72	-149.58	91.49	78.80	12.68	7.212		
1,900.00	1,895.90	1,894.31	1,881.57	6.94	7.19	1.90	130.69	-163.45	98.50	85.09	13.40	7.349		
2,000.00	1,995.62	1,993.98	1,980.09	7.32	7.62	-0.28	136.67	-177.31	105.67	91.55	14.12	7.482		
2,100.00	2,095.34	2,093.65	2,078.61	7.70	8.05	-2.18	142.64	-191.18	112.98	98.13	14.85	7.610		
2,200.00	2,195.06	2,193.32	2,177.12	8.08	8.48	-3.84	148.62	-205.04	120.39	104.82	15.57	7.733		
2,300.00	2,294.78	2,292.98	2,275.64	8.45	8.92	-5.31	154.60	-218.91	127.90	111.60	16.29	7.850		
2,400.00	2,394.50	2,392.65	2,374.16	8.83	9.35	-6.62	160.57	-232.77	135.48	118.46	17.02	7.960		
2,500.00	2,494.22	2,492.32	2,472.68	9.21	9.78	-7.79	166.55	-246.64	143.12	125.37	17.75	8.064		
2,600.00	2,593.94	2,591.99	2,571.19	9.59	10.22	-8.84	172.53	-260.50	150.81	132.34	18.47	8.163		
2,700.00	2,693.65	2,691.65	2,669.71	9.97	10.65	-9.79	178.50	-274.37	158.55	139.35	19.20	8.256		
2,800.00	2,793.37	2,791.32	2,768.23	10.34	11.09	-10.65	184.48	-288.23	166.33	146.40	19.93	8.344		
2,900.00	2,893.09	2,890.99	2,866.74	10.72	11.52	-11.43	190.45	-302.10	174.15	153.48	20.66	8.427		
3,000.00	2,992.81	2,990.66	2,965.26	11.10	11.96	-12.14	196.43	-315.96	181.99	160.59	21.40	8.506		
3,100.00	3,092.53	3,090.32	3,063.78	11.48	12.40	-12.80	202.41	-329.83	189.86	167.73	22.13	8.580		
3,200.00	3,192.25	3,189.99	3,162.30	11.86	12.83	-13.40	208.38	-343.70	197.75	174.89	22.86	8.650		
3,300.00	3,291.97	3,289.66	3,260.81	12.23	13.27	-13.96	214.36	-357.56	205.66	182.07	23.59	8.717		
3,400.00	3,391.69	3,389.32	3,359.33	12.61	13.70	-14.48	220.33	-371.43	213.59	189.27	24.33	8.780		
3,500.00	3,491.41	3,488.99	3,457.85	12.99	14.14	-14.95	226.31	-385.29	221.54	196.48	25.06	8.840		
3,600.00	3,591.12	3,588.66	3,556.36	13.37	14.58	-15.40	232.29	-399.16	229.50	203.70	25.79	8.897		
3,700.00	3,690.84	3,688.33	3,654.88	13.75	15.01	-15.82	238.26	-413.02	237.47	210.94	26.53	8.952		
3,800.00	3,790.56	3,787.99	3,753.40	14.13	15.45	-16.21	244.24	-426.89	245.46	218.19	27.26	9.003		
3,900.00	3,890.28	3,887.66	3,851.92	14.50	15.89	-16.57	250.21	-440.75	253.45	225.45	28.00	9.053		
4,000.00	3,990.00	3,987.33	3,950.43	14.88	16.33	-16.91	256.19	-454.62	261.45	232.72	28.73	9.100		
4,100.00	4,089.72	4,087.00	4,048.95	15.26	16.76	-17.23	262.17	-468.48	269.47	240.00	29.47	9.144		
4,200.00	4,189.44	4,186.66	4,147.47	15.64	17.20	-17.54	268.14	-482.35	277.49	247.29	30.20	9.187		
4,300.00	4,289.16	4,286.33	4,245.98	16.02	17.64	-17.82	274.12	-496.21	285.52	254.58	30.94	9.228		
4,400.00	4,388.87	4,386.00	4,344.50	16.39	18.07	-18.09	280.09	-510.08	293.55	261.88	31.68	9.268		
4,500.00	4,488.59	4,485.67	4,443.02	16.77	18.51	-18.35	286.07	-523.94	301.59	269.18	32.41	9.305		
4,600.00	4,588.31	4,585.33	4,541.53	17.15	18.95	-18.59	292.05	-537.81	309.64	276.49	33.15	9.341		
4,700.00	4,688.03	4,685.00	4,640.05	17.53	19.39	-18.82	298.02	-551.68	317.69	283.81	33.88	9.376		
4,800.00	4,787.75	4,784.67	4,738.57	17.91	19.82	-19.04	304.00	-565.54	325.75	291.13	34.62	9.409		
4,900.00	4,887.47	4,884.33	4,837.09	18.29	20.26	-19.25	309.97	-579.41	333.81	298.46	35.36	9.441		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	
5,000.00	4,987.19	4,984.00	4,935.60	18.66	20.70	-19.45	315.95	-593.27	341.88	305.79	36.09	9.472	
5,100.00	5,086.91	5,083.67	5,034.12	19.04	21.14	-19.64	321.93	-607.14	349.95	313.12	36.83	9.501	
5,200.00	5,186.63	5,183.34	5,132.64	19.42	21.58	-19.82	327.90	-621.00	358.02	320.45	37.57	9.530	
5,300.00	5,286.34	5,283.00	5,231.15	19.80	22.01	-19.99	333.88	-634.87	366.10	327.79	38.31	9.557	
5,400.00	5,386.06	5,382.67	5,329.67	20.18	22.45	-20.16	339.85	-648.73	374.18	335.14	39.04	9.584	
5,500.00	5,485.78	5,482.34	5,428.19	20.56	22.89	-20.32	345.83	-662.60	382.26	342.48	39.78	9.609	
5,600.00	5,585.50	5,582.01	5,526.71	20.93	23.33	-20.47	351.81	-676.46	390.35	349.83	40.52	9.634	
5,700.00	5,685.22	5,681.67	5,625.22	21.31	23.76	-20.61	357.78	-690.33	398.44	357.18	41.25	9.658	
5,800.00	5,784.94	5,781.34	5,723.74	21.69	24.20	-20.75	363.76	-704.19	406.53	364.54	41.99	9.681	
5,900.00	5,884.66	5,881.01	5,822.26	22.07	24.64	-20.89	369.73	-718.06	414.62	371.89	42.73	9.703	
6,000.00	5,984.38	5,980.68	5,920.77	22.45	25.08	-21.02	375.71	-731.92	422.72	379.25	43.47	9.725	
6,100.00	6,084.09	6,080.34	6,019.29	22.83	25.52	-21.14	381.69	-745.79	430.81	386.61	44.21	9.746	
6,200.00	6,183.81	6,180.01	6,117.81	23.20	25.96	-21.26	387.66	-759.66	438.91	393.97	44.94	9.766	
6,300.00	6,283.53	6,279.68	6,216.33	23.58	26.39	-21.38	393.64	-773.52	447.01	401.33	45.68	9.786	
6,400.00	6,383.25	6,379.34	6,314.84	23.96	26.83	-21.49	399.61	-787.39	455.12	408.70	46.42	9.805	
6,500.00	6,482.97	6,479.01	6,413.36	24.34	27.27	-21.60	405.59	-801.25	463.22	416.06	47.16	9.823	
6,600.00	6,582.69	6,578.68	6,511.88	24.72	27.71	-21.70	411.57	-815.12	471.33	423.43	47.89	9.841	
6,700.00	6,682.41	6,678.35	6,610.39	25.09	28.15	-21.80	417.54	-828.98	479.43	430.80	48.63	9.858	
6,800.00	6,782.13	6,778.01	6,708.91	25.47	28.58	-21.90	423.52	-842.85	487.54	438.17	49.37	9.875	
6,900.00	6,881.84	6,877.68	6,807.43	25.85	29.02	-21.99	429.49	-856.71	495.65	445.55	50.11	9.892	
7,000.00	6,981.56	6,977.35	6,905.95	26.23	29.46	-22.08	435.47	-870.58	503.77	452.92	50.85	9.907	
7,100.00	7,081.28	7,247.02	7,173.37	26.61	30.35	-21.32	451.06	-874.02	507.16	456.68	50.47	10.048	
7,200.00	7,181.00	7,634.58	7,497.98	26.99	30.61	-9.08	466.22	-676.92	446.87	408.66	38.21	11.695	
7,222.08	7,203.02	7,704.99	7,539.61	27.07	30.66	-2.41	467.57	-620.24	429.12	393.99	35.13	12.214	
7,250.00	7,230.81	7,744.15	7,559.45	27.18	30.72	20.52	468.10	-586.50	405.34	371.24	34.11	11.884	
7,300.00	7,280.16	7,785.11	7,577.69	27.39	30.79	47.48	468.47	-549.83	360.86	326.94	33.91	10.640	
7,350.00	7,328.67	7,803.70	7,585.10	27.61	30.82	67.56	468.58	-532.78	315.80	280.71	35.08	9.002	
7,400.00	7,375.96	7,809.43	7,587.27	27.86	30.84	81.30	468.61	-527.48	271.65	234.30	37.34	7.275	
7,450.00	7,421.67	7,807.20	7,586.44	28.12	30.84	89.32	468.60	-529.54	229.78	189.00	40.78	5.635	
7,500.00	7,465.45	7,799.77	7,583.58	28.40	30.82	92.88	468.56	-536.40	192.00	146.42	45.57	4.213	
7,550.00	7,506.97	7,788.76	7,579.19	28.70	30.80	92.95	468.50	-546.50	161.08	109.49	51.59	3.122	
7,600.00	7,545.92	7,775.18	7,573.51	29.02	30.77	90.10	468.40	-558.83	141.13	83.83	57.30	2.463	
7,639.80	7,574.89	7,763.00	7,568.17	29.30	30.75	86.02	468.29	-569.78	135.92	76.43	59.49	2.285 SF	
7,650.00	7,582.00	7,759.72	7,566.69	29.37	30.74	84.73	468.26	-572.71	136.27	76.73	59.54	2.289	
7,700.00	7,614.93	7,742.82	7,558.82	29.76	30.71	77.29	468.08	-587.66	147.12	89.94	57.19	2.573	
7,750.00	7,644.47	7,724.81	7,549.94	30.18	30.69	68.47	467.86	-603.33	169.86	116.96	52.89	3.211	
7,800.00	7,670.38	7,705.93	7,540.11	30.64	30.67	59.22	467.59	-619.45	199.64	150.54	49.11	4.065	
7,850.00	7,692.48	7,686.34	7,529.36	31.14	30.65	50.44	467.27	-635.82	233.04	186.53	46.51	5.011	
7,900.00	7,710.59	7,666.18	7,517.72	31.68	30.63	42.72	466.90	-652.28	267.99	223.03	44.97	5.960	
7,950.00	7,724.57	7,650.00	7,507.97	32.27	30.62	36.85	466.58	-665.18	303.37	258.79	44.57	6.806	
8,000.00	7,734.32	7,624.52	7,491.88	32.89	30.61	30.97	466.01	-684.92	338.30	294.32	43.98	7.692	
8,050.00	7,739.77	7,600.00	7,475.58	33.54	30.60	26.46	465.41	-703.23	372.49	328.59	43.90	8.485	
8,085.63	7,741.00	7,587.79	7,467.18	34.02	30.59	24.17	465.08	-712.09	396.14	351.74	44.40	8.923	
8,100.00	7,741.05	7,581.62	7,462.87	34.22	30.59	23.79	464.92	-716.49	405.63	361.10	44.53	9.109	
8,200.00	7,741.40	7,550.00	7,440.01	35.69	30.58	21.93	464.00	-738.32	475.18	429.18	46.00	10.330	
8,300.00	7,741.75	7,500.00	7,401.53	37.30	30.57	19.30	462.36	-770.18	549.66	503.51	46.16	11.909	
8,400.00	7,742.10	7,478.56	7,384.21	39.03	30.56	18.28	461.59	-782.79	628.04	580.51	47.53	13.214	
8,500.00	7,742.44	7,450.00	7,360.42	40.86	30.55	17.01	460.50	-798.56	709.75	661.47	48.28	14.700	
8,600.00	7,742.79	7,430.37	7,343.63	42.79	30.54	16.20	459.72	-808.70	794.01	744.87	49.14	16.158	
8,700.00	7,743.14	7,400.00	7,317.01	44.80	30.53	15.03	458.44	-823.24	880.54	831.05	49.49	17.792	
8,800.00	7,743.49	7,400.00	7,317.01	46.87	30.53	15.03	458.44	-823.24	968.54	918.00	50.54	19.164	
8,900.00	7,743.84	7,377.51	7,296.81	49.01	30.51	14.23	457.46	-833.09	1,058.00	1,007.14	50.86	20.803	

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,000.00	7,744.19	7,350.00	7,271.62	51.20	30.49	13.32	456.20	-844.04	1,148.96	1,097.94	51.01	22.523		
9,100.00	7,744.54	7,350.00	7,271.62	53.43	30.49	13.32	456.20	-844.04	1,240.44	1,188.79	51.65	24.016		
9,200.00	7,744.89	7,350.00	7,271.62	55.71	30.49	13.32	456.20	-844.04	1,333.15	1,280.98	52.17	25.552		
9,300.00	7,745.23	7,329.60	7,252.60	58.02	30.47	12.70	455.23	-851.38	1,426.34	1,374.05	52.30	27.274		
9,400.00	7,745.58	7,320.30	7,243.85	60.37	30.46	12.43	454.78	-854.50	1,520.29	1,467.73	52.56	28.925		
9,500.00	7,745.93	7,300.00	7,224.59	62.74	30.44	11.86	453.78	-860.80	1,614.96	1,562.32	52.64	30.680		
9,600.00	7,746.28	7,300.00	7,224.59	65.14	30.44	11.86	453.78	-860.80	1,709.79	1,656.83	52.96	32.284		
9,700.00	7,746.63	7,300.00	7,224.59	67.56	30.44	11.86	453.78	-860.80	1,805.18	1,751.94	53.24	33.906		
9,800.00	7,746.98	7,300.00	7,224.59	70.01	30.44	11.86	453.78	-860.80	1,901.04	1,847.55	53.49	35.542		
9,900.00	7,747.33	7,300.00	7,224.59	72.47	30.44	11.86	453.78	-860.80	1,997.31	1,943.60	53.71	37.190		
10,000.00	7,747.67	7,278.50	7,203.95	74.94	30.40	11.29	452.69	-866.74	2,093.42	2,039.73	53.69	38.990		
10,100.00	7,748.02	7,273.24	7,198.87	77.43	30.39	11.16	452.42	-868.07	2,190.06	2,136.23	53.83	40.685		
10,200.00	7,748.37	7,250.00	7,176.28	79.94	30.36	10.59	451.21	-873.40	2,287.31	2,233.52	53.79	42.520		
10,300.00	7,748.72	7,250.00	7,176.28	82.46	30.36	10.59	451.21	-873.40	2,384.24	2,330.28	53.96	44.183		
10,400.00	7,749.07	7,250.00	7,176.28	84.98	30.36	10.59	451.21	-873.40	2,481.42	2,427.30	54.12	45.853		
10,500.00	7,749.42	7,250.00	7,176.28	87.52	30.36	10.59	451.21	-873.40	2,578.81	2,524.55	54.26	47.526		
10,600.00	7,749.77	7,250.00	7,176.28	90.07	30.36	10.59	451.21	-873.40	2,676.39	2,622.00	54.39	49.204		
10,700.00	7,750.11	7,250.00	7,176.28	92.62	30.36	10.59	451.21	-873.40	2,774.14	2,719.63	54.52	50.885		
10,800.00	7,750.46	7,250.00	7,176.28	95.19	30.36	10.59	451.21	-873.40	2,872.05	2,817.42	54.64	52.568		
10,900.00	7,750.81	7,250.00	7,176.28	97.76	30.36	10.59	451.21	-873.40	2,970.10	2,915.36	54.75	54.252		
11,000.00	7,751.16	7,250.00	7,176.28	100.34	30.36	10.59	451.21	-873.40	3,068.28	3,013.42	54.85	55.938		
11,100.00	7,751.51	7,250.00	7,176.28	102.92	30.36	10.59	451.21	-873.40	3,166.57	3,111.61	54.95	57.624		
11,200.00	7,751.86	7,250.00	7,176.28	105.51	30.36	10.59	451.21	-873.40	3,264.96	3,209.91	55.05	59.311		
11,300.00	7,752.21	7,250.00	7,176.28	108.11	30.36	10.59	451.21	-873.40	3,363.45	3,308.30	55.14	60.997		
11,400.00	7,752.55	7,228.00	7,154.72	110.70	30.32	10.09	450.04	-877.60	3,461.53	3,406.43	55.10	62.827		
11,500.00	7,752.90	7,225.67	7,152.43	113.31	30.31	10.04	449.91	-877.99	3,560.08	3,504.90	55.17	64.526		
11,527.76	7,753.00	7,225.05	7,151.82	114.03	30.31	10.03	449.88	-878.10	3,587.44	3,532.25	55.19	64.998		
11,550.00	7,753.07	7,224.55	7,151.33	114.61	30.31	-3.25	449.85	-878.18	3,609.38	3,554.17	55.21	65.375		
11,600.00	7,753.18	7,223.42	7,150.21	115.90	30.31	-30.07	449.79	-878.37	3,658.62	3,603.37	55.26	66.212		
11,650.00	7,753.23	7,222.29	7,149.10	117.15	30.31	-47.56	449.73	-878.55	3,707.47	3,652.16	55.31	67.032		
11,700.00	7,753.20	7,200.00	7,127.07	118.36	30.26	-57.08	448.51	-881.73	3,756.01	3,700.76	55.25	67.983		
11,750.00	7,753.11	7,200.00	7,127.07	119.50	30.26	-63.68	448.51	-881.73	3,802.97	3,747.65	55.33	68.739		
11,800.00	7,752.95	7,200.00	7,127.07	120.58	30.26	-68.07	448.51	-881.73	3,848.55	3,793.14	55.41	69.456		
11,850.00	7,752.73	7,200.00	7,127.07	121.58	30.26	-71.17	448.51	-881.73	3,892.45	3,836.94	55.50	70.128		
11,900.00	7,752.44	7,200.00	7,127.07	122.49	30.26	-73.43	448.51	-881.73	3,934.39	3,878.78	55.61	70.749		
11,950.00	7,752.10	7,200.00	7,127.07	123.31	30.26	-75.16	448.51	-881.73	3,974.13	3,918.40	55.73	71.309		
12,000.00	7,751.69	7,200.00	7,127.07	124.03	30.26	-76.50	448.51	-881.73	4,011.43	3,955.56	55.87	71.802		
12,050.00	7,751.22	7,200.00	7,127.07	124.65	30.26	-77.56	448.51	-881.73	4,046.08	3,990.06	56.03	72.218		
12,100.00	7,750.71	7,200.00	7,127.07	125.18	30.26	-78.43	448.51	-881.73	4,077.89	4,021.68	56.21	72.549		
12,150.00	7,750.14	7,200.00	7,127.07	125.62	30.26	-79.13	448.51	-881.73	4,106.68	4,050.25	56.42	72.783		
12,200.00	7,749.53	7,200.00	7,127.07	125.96	30.26	-79.71	448.51	-881.73	4,132.30	4,075.62	56.67	72.913		
12,250.00	7,748.89	7,200.00	7,127.07	126.22	30.26	-80.19	448.51	-881.73	4,154.61	4,097.64	56.97	72.925		
12,300.00	7,748.20	7,200.00	7,127.07	126.41	30.26	-80.59	448.51	-881.73	4,173.50	4,116.18	57.32	72.812		
12,350.00	7,747.49	7,200.00	7,127.07	126.53	30.26	-80.91	448.51	-881.73	4,188.87	4,131.14	57.73	72.562		
12,400.00	7,746.76	7,200.00	7,127.07	126.60	30.26	-81.17	448.51	-881.73	4,200.65	4,142.44	58.21	72.169		
12,450.00	7,746.00	7,200.00	7,127.07	126.62	30.26	-81.36	448.51	-881.73	4,208.77	4,150.01	58.76	71.629		
12,500.00	7,745.23	7,200.00	7,127.07	126.62	30.26	-81.50	448.51	-881.73	4,213.20	4,153.81	59.39	70.938		
12,550.00	7,744.46	7,200.00	7,127.07	126.59	30.26	-81.59	448.51	-881.73	4,213.91	4,153.80	60.11	70.100		
12,600.00	7,743.68	7,200.00	7,127.07	126.55	30.26	-81.63	448.51	-881.73	4,210.90	4,149.98	60.92	69.122		
12,650.00	7,742.91	7,200.00	7,127.07	126.52	30.26	-81.60	448.51	-881.73	4,204.18	4,142.37	61.81	68.015		
12,700.00	7,742.16	7,200.00	7,127.07	126.50	30.26	-81.52	448.51	-881.73	4,193.79	4,131.01	62.79	66.794		
12,750.00	7,741.41	7,200.00	7,127.07	126.51	30.26	-81.37	448.51	-881.73	4,179.78	4,115.95	63.84	65.477		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,800.00	7,740.69	7,200.00	7,127.07	126.55	30.26	-81.15	448.51	-881.73	4,162.23	4,097.28	64.95	64.085		
12,850.00	7,740.00	7,200.00	7,127.07	126.64	30.26	-80.84	448.51	-881.73	4,141.21	4,075.10	66.11	62.641		
12,900.00	7,739.34	7,200.00	7,127.07	126.77	30.26	-80.43	448.51	-881.73	4,116.83	4,049.53	67.31	61.166		
12,950.00	7,738.72	7,200.00	7,127.07	126.95	30.26	-79.89	448.51	-881.73	4,089.24	4,020.72	68.52	59.681		
12,966.03	7,738.53	7,200.00	7,127.07	127.02	30.26	-79.69	448.51	-881.73	4,079.73	4,010.82	68.91	59.205		
13,000.00	7,738.13	7,200.00	7,127.07	127.17	30.26	-79.69	448.51	-881.73	4,059.34	3,989.60	69.74	58.205		
13,100.00	7,736.96	7,200.00	7,127.07	127.65	30.26	-79.69	448.51	-881.73	4,000.40	3,928.08	72.33	55.311		
13,200.00	7,735.78	7,200.00	7,127.07	128.16	30.26	-79.69	448.51	-881.73	3,943.11	3,868.01	75.10	52.504		
13,221.13	7,735.54	7,200.00	7,127.07	128.27	30.26	-79.69	448.51	-881.73	3,931.23	3,855.52	75.71	51.924		
13,250.00	7,735.21	7,200.00	7,127.07	128.44	30.26	-79.32	448.51	-881.73	3,914.53	3,837.98	76.55	51.140		
13,300.00	7,734.68	7,200.00	7,127.07	128.76	30.26	-78.55	448.51	-881.73	3,883.24	3,805.27	77.97	49.807		
13,350.00	7,734.22	7,200.00	7,127.07	129.14	30.26	-77.56	448.51	-881.73	3,849.10	3,769.76	79.34	48.517		
13,400.00	7,733.83	7,200.00	7,127.07	129.57	30.26	-76.28	448.51	-881.73	3,812.29	3,731.66	80.63	47.280		
13,450.00	7,733.51	7,200.00	7,127.07	130.04	30.26	-74.62	448.51	-881.73	3,773.02	3,691.19	81.84	46.104		
13,500.00	7,733.25	7,200.00	7,127.07	130.54	30.26	-72.42	448.51	-881.73	3,731.52	3,648.59	82.93	44.995		
13,550.00	7,733.08	7,200.00	7,127.07	131.06	30.26	-69.41	448.51	-881.73	3,688.04	3,604.14	83.90	43.959		
13,582.30	7,733.00	7,200.00	7,127.07	131.41	30.26	-66.84	448.51	-881.73	3,659.01	3,574.56	84.45	43.329		
13,600.00	7,732.97	7,200.00	7,127.07	131.60	30.26	-66.84	448.51	-881.73	3,642.93	3,558.20	84.73	42.994		
13,700.00	7,732.78	7,200.00	7,127.07	132.71	30.26	-66.84	448.51	-881.73	3,552.36	3,465.97	86.39	41.118		
13,800.00	7,732.60	7,221.34	7,148.17	133.86	30.30	-67.59	449.68	-878.70	3,461.89	3,373.61	88.28	39.215		
13,900.00	7,732.41	7,223.83	7,150.62	135.06	30.31	-67.68	449.81	-878.30	3,372.29	3,282.12	90.17	37.399		
14,000.00	7,732.23	7,226.46	7,153.20	136.31	30.31	-67.77	449.96	-877.86	3,283.29	3,191.11	92.18	35.619		
14,100.00	7,732.05	7,250.00	7,176.28	137.59	30.36	-68.60	451.21	-873.40	3,195.33	3,100.91	94.42	33.842		
14,200.00	7,731.86	7,250.00	7,176.28	138.92	30.36	-68.60	451.21	-873.40	3,107.54	3,010.87	96.67	32.146		
14,300.00	7,731.68	7,250.00	7,176.28	140.29	30.36	-68.60	451.21	-873.40	3,020.52	2,921.46	99.06	30.492		
14,400.00	7,731.49	7,250.00	7,176.28	141.69	30.36	-68.60	451.21	-873.40	2,934.32	2,832.73	101.60	28.882		
14,500.00	7,731.31	7,250.00	7,176.28	143.14	30.36	-68.60	451.21	-873.40	2,849.03	2,744.74	104.29	27.319		
14,600.00	7,731.12	7,250.00	7,176.28	144.62	30.36	-68.60	451.21	-873.40	2,764.72	2,657.57	107.14	25.804		
14,700.00	7,730.94	7,250.00	7,176.28	146.13	30.36	-68.60	451.21	-873.40	2,681.49	2,571.31	110.17	24.339		
14,800.00	7,730.76	7,250.00	7,176.28	147.68	30.36	-68.60	451.21	-873.40	2,599.44	2,486.05	113.38	22.926		
14,900.00	7,730.57	7,250.00	7,176.28	149.26	30.36	-68.60	451.21	-873.40	2,518.69	2,401.90	116.79	21.567		
15,000.00	7,730.39	7,250.00	7,176.28	150.88	30.36	-68.60	451.21	-873.40	2,439.36	2,318.98	120.38	20.263		
15,100.00	7,730.20	7,269.27	7,195.03	152.52	30.39	-69.28	452.22	-869.05	2,361.27	2,236.96	124.31	18.995		
15,200.00	7,730.02	7,275.10	7,200.67	154.20	30.40	-69.49	452.52	-867.60	2,285.02	2,156.65	128.37	17.800		
15,300.00	7,729.83	7,300.00	7,224.59	155.90	30.44	-70.37	453.78	-860.80	2,210.90	2,078.15	132.75	16.654		
15,400.00	7,729.65	7,300.00	7,224.59	157.63	30.44	-70.37	453.78	-860.80	2,138.29	2,001.07	137.22	15.583		
15,500.00	7,729.47	7,300.00	7,224.59	159.39	30.44	-70.37	453.78	-860.80	2,067.98	1,926.07	141.90	14.573		
15,600.00	7,729.28	7,300.00	7,224.59	161.18	30.44	-70.37	453.78	-860.80	2,000.18	1,853.40	146.79	13.626		
15,700.00	7,729.10	7,300.00	7,224.59	162.99	30.44	-70.37	453.78	-860.80	1,935.19	1,783.33	151.86	12.743		
15,800.00	7,728.91	7,323.35	7,246.73	164.82	30.46	-71.19	454.93	-853.49	1,872.83	1,715.55	157.28	11.908		
15,900.00	7,728.73	7,350.00	7,271.62	166.68	30.49	-72.12	456.20	-844.04	1,814.00	1,651.15	162.84	11.140		
16,000.00	7,728.54	7,350.00	7,271.62	168.56	30.49	-72.12	456.20	-844.04	1,758.26	1,589.89	168.37	10.443		
16,100.00	7,728.36	7,350.00	7,271.62	170.46	30.49	-72.12	456.20	-844.04	1,706.56	1,532.63	173.94	9.811		
16,200.00	7,728.18	7,377.17	7,296.51	172.39	30.51	-73.06	457.44	-833.23	1,658.75	1,479.06	179.69	9.231		
16,300.00	7,727.99	7,400.00	7,317.01	174.33	30.53	-73.83	458.44	-823.24	1,615.39	1,430.06	185.33	8.716		
16,400.00	7,727.81	7,416.11	7,331.23	176.30	30.54	-74.38	459.13	-815.70	1,576.61	1,385.83	190.77	8.264		
16,500.00	7,727.62	7,450.00	7,360.42	178.28	30.55	-75.50	460.50	-798.56	1,542.72	1,346.64	196.08	7.868		
16,600.00	7,727.44	7,467.99	7,375.50	180.29	30.56	-76.08	461.19	-788.76	1,513.68	1,312.71	200.97	7.532		
16,700.00	7,727.25	7,500.00	7,401.53	182.31	30.57	-77.09	462.36	-770.18	1,489.74	1,284.19	205.55	7.248		
16,800.00	7,727.07	7,539.09	7,431.86	184.35	30.58	-78.27	463.66	-745.56	1,470.76	1,261.04	209.72	7.013		
16,837.81	7,727.00	7,550.00	7,440.01	185.12	30.58	-78.59	464.00	-738.32	1,464.85	1,253.71	211.14	6.938		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	0.40	40.10	0.28	40.10					
100.00	100.00	100.00	100.00	0.27	0.13	0.40	40.10	0.28	40.10	39.69	0.40	99.425		
200.00	200.00	200.00	200.00	0.63	0.49	0.40	40.10	0.28	40.10	38.98	1.12	35.793		
300.00	300.00	300.00	300.00	0.99	0.85	0.40	40.10	0.28	40.10	38.26	1.84	21.825		
400.00	399.98	399.98	399.98	1.34	1.21	54.70	40.10	0.28	39.06	36.51	2.55	15.307		
500.00	499.84	499.84	499.84	1.70	1.57	61.50	40.10	0.28	36.29	33.02	3.27	11.102		
514.88	514.68	514.68	514.68	1.76	1.62	63.02	40.10	0.28	35.79	32.41	3.38	10.598		
600.00	599.56	599.56	599.56	2.07	1.93	72.80	40.10	0.28	33.37	29.38	3.99	8.362		
700.00	699.28	699.28	699.28	2.44	2.28	85.71	40.10	0.28	31.96	27.25	4.72	6.776		
800.00	799.00	799.87	799.85	2.81	2.63	97.30	39.86	-1.44	30.89	25.45	5.44	5.681		
900.00	898.72	900.60	900.43	3.18	2.98	106.11	39.16	-6.68	28.00	21.85	6.15	4.555		
1,000.00	998.43	1,001.20	1,000.65	3.55	3.34	113.84	38.00	-15.40	22.59	15.74	6.85	3.298		
1,100.00	1,098.15	1,101.44	1,100.12	3.93	3.71	123.87	36.37	-27.55	14.38	6.84	7.54	1.907		
1,200.00	1,197.87	1,200.94	1,198.58	4.31	4.09	162.77	34.46	-41.83	5.52	-2.71	8.23	0.671	Level 1	
1,227.60	1,225.39	1,228.38	1,225.73	4.41	4.20	-165.08	33.93	-45.78	4.67	-3.84	8.50	0.549	Level 1, CC, ES, SF	
1,300.00	1,297.59	1,300.37	1,296.95	4.68	4.49	-106.30	32.54	-56.13	9.04	-0.08	9.12	0.991	Level 1	
1,400.00	1,397.31	1,399.80	1,395.33	5.06	4.89	-89.36	30.63	-70.44	19.02	9.19	9.83	1.934		
1,500.00	1,497.03	1,499.22	1,493.70	5.44	5.29	-84.23	28.71	-84.75	29.51	18.94	10.56	2.793		
1,600.00	1,596.75	1,598.65	1,592.07	5.81	5.70	-81.80	26.80	-99.06	40.10	28.80	11.30	3.548		
1,700.00	1,696.47	1,698.07	1,690.45	6.19	6.11	-80.38	24.88	-113.37	50.74	38.70	12.04	4.213		
1,800.00	1,796.19	1,797.50	1,788.82	6.57	6.53	-79.46	22.97	-127.68	61.40	48.61	12.79	4.800		
1,900.00	1,895.90	1,896.93	1,887.19	6.94	6.95	-78.81	21.05	-141.98	72.07	58.53	13.54	5.323		
2,000.00	1,995.62	1,996.35	1,985.56	7.32	7.37	-78.33	19.14	-156.29	82.74	68.45	14.29	5.791		
2,100.00	2,095.34	2,095.78	2,083.94	7.70	7.79	-77.95	17.22	-170.60	93.42	78.38	15.04	6.212		
2,200.00	2,195.06	2,195.21	2,182.31	8.08	8.21	-77.66	15.31	-184.91	104.11	88.32	15.79	6.593		
2,300.00	2,294.78	2,294.63	2,280.68	8.45	8.64	-77.42	13.39	-199.22	114.79	98.25	16.54	6.939		
2,400.00	2,394.50	2,394.06	2,379.06	8.83	9.06	-77.22	11.48	-213.52	125.48	108.18	17.30	7.255		
2,500.00	2,494.22	2,493.49	2,477.43	9.21	9.49	-77.05	9.56	-227.83	136.17	118.12	18.05	7.544		
2,600.00	2,593.94	2,592.91	2,575.80	9.59	9.91	-76.90	7.64	-242.14	146.86	128.05	18.80	7.810		
2,700.00	2,693.65	2,692.34	2,674.17	9.97	10.34	-76.78	5.73	-256.45	157.55	137.99	19.56	8.055		
2,800.00	2,793.37	2,791.76	2,772.55	10.34	10.77	-76.67	3.81	-270.76	168.24	147.92	20.31	8.282		
2,900.00	2,893.09	2,891.19	2,870.92	10.72	11.20	-76.58	1.90	-285.06	178.93	157.86	21.07	8.492		
3,000.00	2,992.81	2,990.62	2,969.29	11.10	11.62	-76.49	-0.02	-299.37	189.62	167.80	21.83	8.688		
3,100.00	3,092.53	3,090.04	3,067.67	11.48	12.05	-76.42	-1.93	-313.68	200.31	177.73	22.58	8.871		
3,200.00	3,192.25	3,189.47	3,166.04	11.86	12.48	-76.35	-3.85	-327.99	211.01	187.67	23.34	9.041		
3,300.00	3,291.97	3,288.90	3,264.41	12.23	12.91	-76.29	-5.76	-342.30	221.70	197.60	24.09	9.201		
3,400.00	3,391.69	3,388.32	3,362.78	12.61	13.34	-76.23	-7.68	-356.60	232.39	207.54	24.85	9.351		
3,500.00	3,491.41	3,487.75	3,461.16	12.99	13.77	-76.18	-9.59	-370.91	243.09	217.48	25.61	9.492		
3,600.00	3,591.12	3,587.18	3,559.53	13.37	14.20	-76.13	-11.51	-385.22	253.78	227.41	26.37	9.625		
3,700.00	3,690.84	3,686.60	3,657.90	13.75	14.63	-76.09	-13.42	-399.53	264.47	237.35	27.12	9.751		
3,800.00	3,790.56	3,786.03	3,756.28	14.13	15.06	-76.05	-15.34	-413.84	275.17	247.29	27.88	9.869		
3,900.00	3,890.28	3,885.46	3,854.65	14.50	15.50	-76.01	-17.25	-428.15	285.86	257.22	28.64	9.982		
4,000.00	3,990.00	3,984.88	3,953.02	14.88	15.93	-75.98	-19.17	-442.45	296.55	267.16	29.40	10.088		
4,100.00	4,089.72	4,084.31	4,051.39	15.26	16.36	-75.95	-21.08	-456.76	307.25	277.09	30.15	10.189		
4,200.00	4,189.44	4,183.73	4,149.77	15.64	16.79	-75.92	-23.00	-471.07	317.94	287.03	30.91	10.285		
4,300.00	4,289.16	4,283.16	4,248.14	16.02	17.22	-75.89	-24.92	-485.38	328.64	296.97	31.67	10.377		
4,400.00	4,388.87	4,382.59	4,346.51	16.39	17.65	-75.87	-26.83	-499.69	339.33	306.90	32.43	10.464		
4,500.00	4,488.59	4,482.01	4,444.89	16.77	18.08	-75.84	-28.75	-513.99	350.02	316.84	33.19	10.547		
4,600.00	4,588.31	4,581.44	4,543.26	17.15	18.52	-75.82	-30.66	-528.30	360.72	326.77	33.95	10.627		
4,700.00	4,688.03	4,680.87	4,641.63	17.53	18.95	-75.80	-32.58	-542.61	371.41	336.71	34.70	10.702		
4,800.00	4,787.75	4,780.29	4,740.00	17.91	19.38	-75.78	-34.49	-556.92	382.11	346.65	35.46	10.775		
4,900.00	4,887.47	4,879.72	4,838.38	18.29	19.81	-75.76	-36.41	-571.23	392.80	356.58	36.22	10.845		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,000.00	4,987.19	4,979.15	4,936.75	18.66	20.25	-75.74	-38.32	-585.53	403.50	366.52	36.98	10.911		
5,100.00	5,086.91	5,078.57	5,035.12	19.04	20.68	-75.72	-40.24	-599.84	414.19	376.45	37.74	10.975		
5,200.00	5,186.63	5,178.00	5,133.50	19.42	21.11	-75.71	-42.15	-614.15	424.89	386.39	38.50	11.037		
5,300.00	5,286.34	5,277.42	5,231.87	19.80	21.54	-75.69	-44.07	-628.46	435.58	396.33	39.26	11.096		
5,400.00	5,386.06	5,376.85	5,330.24	20.18	21.98	-75.68	-45.98	-642.77	446.28	406.26	40.02	11.153		
5,500.00	5,485.78	5,476.28	5,428.61	20.56	22.41	-75.66	-47.90	-657.08	456.97	416.20	40.77	11.207		
5,600.00	5,585.50	5,575.70	5,526.99	20.93	22.84	-75.65	-49.81	-671.38	467.67	426.13	41.53	11.260		
5,700.00	5,685.22	5,675.13	5,625.36	21.31	23.27	-75.64	-51.73	-685.69	478.36	436.07	42.29	11.311		
5,800.00	5,784.94	5,774.56	5,723.73	21.69	23.71	-75.62	-53.64	-700.00	489.06	446.00	43.05	11.360		
5,900.00	5,884.66	5,873.98	5,822.11	22.07	24.14	-75.61	-55.56	-714.31	499.75	455.94	43.81	11.407		
6,000.00	5,984.38	5,973.41	5,920.48	22.45	24.57	-75.60	-57.48	-728.62	510.45	465.88	44.57	11.453		
6,100.00	6,084.09	6,072.84	6,018.85	22.83	25.01	-75.59	-59.39	-742.92	521.14	475.81	45.33	11.497		
6,200.00	6,183.81	6,172.26	6,117.22	23.20	25.44	-75.58	-61.31	-757.23	531.83	485.75	46.09	11.539		
6,300.00	6,283.53	6,271.69	6,215.60	23.58	25.87	-75.57	-63.22	-771.54	542.53	495.68	46.85	11.581		
6,400.00	6,383.25	6,371.12	6,313.97	23.96	26.31	-75.56	-65.14	-785.85	553.22	505.62	47.61	11.621		
6,500.00	6,482.97	6,470.54	6,412.34	24.34	26.74	-75.55	-67.05	-800.16	563.92	515.55	48.37	11.659		
6,600.00	6,582.69	6,569.97	6,510.72	24.72	27.17	-75.54	-68.97	-814.46	574.61	525.49	49.13	11.697		
6,700.00	6,682.41	6,669.39	6,609.09	25.09	27.60	-75.53	-70.88	-828.77	585.31	535.42	49.89	11.733		
6,800.00	6,782.13	6,768.82	6,707.46	25.47	28.04	-75.52	-72.80	-843.08	596.00	545.36	50.65	11.768		
6,900.00	6,881.84	6,868.25	6,805.83	25.85	28.47	-75.52	-74.71	-857.39	606.70	555.29	51.40	11.802		
7,000.00	6,981.56	6,967.67	6,904.21	26.23	28.90	-75.51	-76.63	-871.70	617.39	565.23	52.16	11.836		
7,100.00	7,081.28	7,182.83	7,118.13	26.61	29.67	-76.58	-81.14	-883.98	624.25	571.16	53.10	11.756		
7,200.00	7,181.00	7,627.44	7,499.29	26.99	30.09	-96.28	-93.43	-678.17	584.33	536.82	47.51	12.299		
7,222.08	7,203.02	7,671.47	7,525.85	27.07	30.14	-100.19	-94.67	-643.09	572.22	524.87	47.35	12.084		
7,250.00	7,230.81	7,687.77	7,534.65	27.18	30.16	-89.19	-95.12	-629.37	556.36	508.20	48.16	11.553		
7,300.00	7,280.16	7,757.70	7,569.71	27.39	30.30	-90.86	-97.02	-568.98	528.04	479.05	48.99	10.779		
7,350.00	7,328.67	7,779.19	7,578.86	27.61	30.36	-92.88	-97.58	-549.55	501.31	450.42	50.89	9.851		
7,400.00	7,375.96	7,787.10	7,582.05	27.86	30.38	-94.55	-97.79	-542.31	477.66	424.70	52.96	9.020		
7,450.00	7,421.67	7,786.56	7,581.83	28.12	30.38	-95.34	-97.77	-542.81	458.05	403.09	54.96	8.335		
7,500.00	7,465.45	7,780.44	7,579.37	28.40	30.36	-95.24	-97.62	-548.41	443.16	386.46	56.70	7.816		
7,550.00	7,506.97	7,770.48	7,575.24	28.70	30.33	-94.32	-97.36	-557.47	433.45	375.42	58.03	7.469		
7,600.00	7,545.92	7,757.77	7,569.74	29.02	30.30	-92.66	-97.02	-568.92	429.11	370.25	58.86	7.291		
7,615.50	7,557.43	7,753.39	7,567.78	29.13	30.29	-92.00	-96.90	-572.84	428.85	369.85	59.00	7.268		
7,650.00	7,582.00	7,743.02	7,563.04	29.37	30.27	-90.34	-96.63	-582.05	430.06	370.91	59.15	7.271		
7,700.00	7,614.93	7,726.73	7,555.24	29.76	30.23	-87.45	-96.19	-596.35	435.96	376.99	58.97	7.393		
7,750.00	7,644.47	7,709.25	7,546.43	30.18	30.20	-84.08	-95.71	-611.44	446.26	387.85	58.41	7.640		
7,800.00	7,670.38	7,690.82	7,536.65	30.64	30.17	-80.33	-95.21	-627.05	460.30	402.68	57.62	7.988		
7,850.00	7,692.48	7,671.64	7,525.94	31.14	30.14	-76.34	-94.67	-642.95	477.37	420.64	56.73	8.415		
7,900.00	7,710.59	7,650.00	7,513.23	31.68	30.11	-72.02	-94.06	-660.45	496.77	440.97	55.80	8.902		
7,950.00	7,724.57	7,631.54	7,501.87	32.27	30.09	-68.06	-93.54	-674.99	517.83	462.79	55.04	9.409		
8,000.00	7,734.32	7,610.82	7,488.57	32.89	30.07	-64.02	-92.95	-690.87	539.98	485.61	54.36	9.933		
8,050.00	7,739.77	7,589.75	7,474.46	33.54	30.06	-60.16	-92.35	-706.51	562.71	508.87	53.84	10.451		
8,085.63	7,741.00	7,574.55	7,463.94	34.02	30.05	-57.56	-91.91	-717.46	579.02	525.45	53.56	10.810		
8,100.00	7,741.05	7,568.46	7,459.64	34.22	30.04	-57.16	-91.73	-721.77	585.68	532.21	53.47	10.953		
8,200.00	7,741.40	7,529.47	7,431.06	35.69	30.02	-54.53	-90.61	-748.25	636.62	583.66	52.96	12.021		
8,300.00	7,741.75	7,500.00	7,408.29	37.30	30.01	-52.55	-89.76	-766.95	694.87	642.11	52.76	13.171		
8,400.00	7,742.10	7,466.64	7,381.41	39.03	29.99	-50.33	-88.79	-786.66	759.29	706.79	52.50	14.462		
8,500.00	7,742.44	7,450.00	7,367.57	40.86	29.98	-49.24	-88.31	-795.90	829.05	776.36	52.69	15.734		
8,600.00	7,742.79	7,419.02	7,341.14	42.79	29.96	-47.25	-87.43	-812.01	902.93	850.38	52.54	17.185		
8,700.00	7,743.14	7,400.00	7,324.49	44.80	29.95	-46.05	-86.89	-821.19	980.47	927.81	52.67	18.617		
8,800.00	7,743.49	7,382.16	7,308.60	46.87	29.94	-44.95	-86.38	-829.30	1,060.97	1,008.18	52.79	20.097		
8,900.00	7,743.84	7,366.76	7,294.69	49.01	29.93	-44.02	-85.95	-835.89	1,143.93	1,090.98	52.95	21.606		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,000.00	7,744.19	7,350.00	7,279.36	51.20	29.92	-43.03	-85.49	-842.63	1,228.95	1,175.89	53.05	23.164		
9,100.00	7,744.54	7,350.00	7,279.36	53.43	29.92	-43.03	-85.49	-842.63	1,315.77	1,262.36	53.40	24.639		
9,200.00	7,744.89	7,329.46	7,260.31	55.71	29.89	-41.85	-84.92	-850.29	1,403.84	1,350.44	53.41	26.286		
9,300.00	7,745.23	7,319.35	7,250.82	58.02	29.88	-41.28	-84.65	-853.80	1,493.26	1,439.71	53.55	27.886		
9,400.00	7,745.58	7,300.00	7,232.53	60.37	29.86	-40.21	-84.13	-860.06	1,583.86	1,530.30	53.56	29.574		
9,500.00	7,745.93	7,300.00	7,232.53	62.74	29.86	-40.21	-84.13	-860.06	1,675.14	1,621.35	53.79	31.141		
9,600.00	7,746.28	7,300.00	7,232.53	65.14	29.86	-40.21	-84.13	-860.06	1,767.36	1,713.36	54.00	32.731		
9,700.00	7,746.63	7,300.00	7,232.53	67.56	29.86	-40.21	-84.13	-860.06	1,860.39	1,806.21	54.18	34.338		
9,800.00	7,746.98	7,280.38	7,213.77	70.01	29.84	-39.16	-83.60	-865.77	1,953.68	1,899.53	54.15	36.080		
9,900.00	7,747.33	7,274.33	7,207.94	72.47	29.83	-38.84	-83.44	-867.40	2,047.69	1,993.44	54.25	37.746		
10,000.00	7,747.67	7,250.00	7,184.36	74.94	29.80	-37.60	-82.81	-873.34	2,142.55	2,088.38	54.17	39.549		
10,100.00	7,748.02	7,250.00	7,184.36	77.43	29.80	-37.60	-82.81	-873.34	2,237.27	2,182.95	54.32	41.188		
10,200.00	7,748.37	7,250.00	7,184.36	79.94	29.80	-37.60	-82.81	-873.34	2,332.43	2,277.98	54.45	42.836		
10,300.00	7,748.72	7,250.00	7,184.36	82.46	29.80	-37.60	-82.81	-873.34	2,427.98	2,373.41	54.57	44.492		
10,400.00	7,749.07	7,250.00	7,184.36	84.98	29.80	-37.60	-82.81	-873.34	2,523.87	2,469.19	54.68	46.154		
10,500.00	7,749.42	7,250.00	7,184.36	87.52	29.80	-37.60	-82.81	-873.34	2,620.07	2,565.28	54.79	47.821		
10,600.00	7,749.77	7,250.00	7,184.36	90.07	29.80	-37.60	-82.81	-873.34	2,716.55	2,661.66	54.89	49.492		
10,700.00	7,750.11	7,250.00	7,184.36	92.62	29.80	-37.60	-82.81	-873.34	2,813.27	2,758.29	54.98	51.168		
10,800.00	7,750.46	7,250.00	7,184.36	95.19	29.80	-37.60	-82.81	-873.34	2,910.21	2,855.14	55.07	52.846		
10,900.00	7,750.81	7,250.00	7,184.36	97.76	29.80	-37.60	-82.81	-873.34	3,007.36	2,952.20	55.15	54.526		
11,000.00	7,751.16	7,250.00	7,184.36	100.34	29.80	-37.60	-82.81	-873.34	3,104.68	3,049.44	55.24	56.208		
11,100.00	7,751.51	7,226.24	7,161.10	102.92	29.75	-36.44	-82.20	-878.16	3,201.59	3,146.42	55.17	58.031		
11,200.00	7,751.86	7,223.56	7,158.46	105.51	29.75	-36.31	-82.14	-878.65	3,299.10	3,243.86	55.23	59.729		
11,300.00	7,752.21	7,200.00	7,135.21	108.11	29.71	-35.21	-81.55	-882.36	3,397.18	3,342.01	55.18	61.571		
11,400.00	7,752.55	7,200.00	7,135.21	110.70	29.71	-35.21	-81.55	-882.36	3,494.84	3,439.59	55.25	63.250		
11,500.00	7,752.90	7,200.00	7,135.21	113.31	29.71	-35.21	-81.55	-882.36	3,592.63	3,537.30	55.33	64.930		
11,527.76	7,753.00	7,200.00	7,135.21	114.03	29.71	-35.21	-81.55	-882.36	3,619.79	3,564.44	55.35	65.396		
11,550.00	7,753.07	7,200.00	7,135.21	114.61	29.71	-42.91	-81.55	-882.36	3,641.51	3,586.14	55.37	65.770		
11,600.00	7,753.18	7,200.00	7,135.21	115.90	29.71	-54.97	-81.55	-882.36	3,689.81	3,634.42	55.39	66.609		
11,650.00	7,753.23	7,200.00	7,135.21	117.15	29.71	-62.39	-81.55	-882.36	3,737.13	3,681.72	55.41	67.444		
11,700.00	7,753.20	7,200.00	7,135.21	118.36	29.71	-67.24	-81.55	-882.36	3,783.14	3,727.73	55.42	68.269		
11,750.00	7,753.11	7,200.00	7,135.21	119.50	29.71	-70.59	-81.55	-882.36	3,827.56	3,772.15	55.41	69.082		
11,800.00	7,752.95	7,200.00	7,135.21	120.58	29.71	-73.02	-81.55	-882.36	3,870.10	3,814.72	55.38	69.881		
11,850.00	7,752.73	7,200.00	7,135.21	121.58	29.71	-74.84	-81.55	-882.36	3,910.50	3,855.16	55.34	70.663		
11,900.00	7,752.44	7,200.00	7,135.21	122.49	29.71	-76.25	-81.55	-882.36	3,948.53	3,893.25	55.28	71.427		
11,950.00	7,752.10	7,200.00	7,135.21	123.31	29.71	-77.37	-81.55	-882.36	3,983.97	3,928.77	55.20	72.169		
12,000.00	7,751.69	7,200.00	7,135.21	124.03	29.71	-78.26	-81.55	-882.36	4,016.63	3,961.52	55.11	72.888		
12,050.00	7,751.22	7,200.00	7,135.21	124.65	29.71	-78.99	-81.55	-882.36	4,046.32	3,991.33	54.99	73.577		
12,100.00	7,750.71	7,200.00	7,135.21	125.18	29.71	-79.59	-81.55	-882.36	4,072.89	4,018.02	54.87	74.233		
12,150.00	7,750.14	7,200.00	7,135.21	125.62	29.71	-80.09	-81.55	-882.36	4,096.19	4,041.46	54.73	74.845		
12,200.00	7,749.53	7,200.00	7,135.21	125.96	29.71	-80.49	-81.55	-882.36	4,116.11	4,061.52	54.59	75.405		
12,250.00	7,748.89	7,200.00	7,135.21	126.22	29.71	-80.83	-81.55	-882.36	4,132.54	4,078.09	54.45	75.900		
12,300.00	7,748.20	7,200.00	7,135.21	126.41	29.71	-81.09	-81.55	-882.36	4,145.40	4,091.08	54.32	76.313		
12,350.00	7,747.49	7,200.00	7,135.21	126.53	29.71	-81.30	-81.55	-882.36	4,154.63	4,100.42	54.22	76.628		
12,400.00	7,746.76	7,200.00	7,135.21	126.60	29.71	-81.46	-81.55	-882.36	4,160.19	4,106.03	54.15	76.826		
12,450.00	7,746.00	7,200.00	7,135.21	126.62	29.71	-81.56	-81.55	-882.36	4,162.03	4,107.90	54.13	76.886		
12,500.00	7,745.23	7,200.00	7,135.21	126.62	29.71	-81.61	-81.55	-882.36	4,160.16	4,105.98	54.18	76.791		
12,550.00	7,744.46	7,200.00	7,135.21	126.59	29.71	-81.61	-81.55	-882.36	4,154.58	4,100.29	54.29	76.524		
12,600.00	7,743.68	7,200.00	7,135.21	126.55	29.71	-81.55	-81.55	-882.36	4,145.32	4,090.84	54.49	76.075		
12,650.00	7,742.91	7,200.00	7,135.21	126.52	29.71	-81.42	-81.55	-882.36	4,132.44	4,077.66	54.78	75.441		
12,700.00	7,742.16	7,200.00	7,135.21	126.50	29.71	-81.23	-81.55	-882.36	4,115.98	4,060.82	55.16	74.623		
12,750.00	7,741.41	7,200.00	7,135.21	126.51	29.71	-80.96	-81.55	-882.36	4,096.04	4,040.41	55.63	73.634		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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				
12,800.00	7,740.69	7,200.00	7,135.21	126.55	29.71	-80.59	-81.55	-882.36	4,072.71	4,016.53	56.18	72.494				
12,850.00	7,740.00	7,200.00	7,135.21	126.64	29.71	-80.11	-81.55	-882.36	4,046.12	3,989.31	56.81	71.226				
12,900.00	7,739.34	7,200.00	7,135.21	126.77	29.71	-79.49	-81.55	-882.36	4,016.41	3,958.92	57.49	69.860				
12,950.00	7,738.72	7,200.00	7,135.21	126.95	29.71	-78.70	-81.55	-882.36	3,983.73	3,925.51	58.22	68.428				
12,966.03	7,738.53	7,200.00	7,135.21	127.02	29.71	-78.40	-81.55	-882.36	3,972.66	3,914.20	58.46	67.957				
13,000.00	7,738.13	7,200.00	7,135.21	127.17	29.71	-78.40	-81.55	-882.36	3,948.96	3,889.99	58.98	66.958				
13,100.00	7,736.96	7,200.00	7,135.21	127.65	29.71	-78.40	-81.55	-882.36	3,880.10	3,819.42	60.69	63.936				
13,200.00	7,735.78	7,200.00	7,135.21	128.16	29.71	-78.40	-81.55	-882.36	3,812.62	3,749.95	62.67	60.840				
13,221.13	7,735.54	7,200.00	7,135.21	128.27	29.71	-78.40	-81.55	-882.36	3,798.54	3,735.43	63.12	60.183				
13,250.00	7,735.21	7,200.00	7,135.21	128.44	29.71	-77.85	-81.55	-882.36	3,778.89	3,715.15	63.74	59.286				
13,300.00	7,734.68	7,200.00	7,135.21	128.76	29.71	-76.67	-81.55	-882.36	3,742.75	3,677.94	64.80	57.756				
13,350.00	7,734.22	7,200.00	7,135.21	129.14	29.71	-75.14	-81.55	-882.36	3,704.09	3,638.27	65.82	56.274				
13,400.00	7,733.83	7,200.00	7,135.21	129.57	29.71	-73.12	-81.55	-882.36	3,663.14	3,596.37	66.77	54.858				
13,450.00	7,733.51	7,200.00	7,135.21	130.04	29.71	-70.39	-81.55	-882.36	3,620.14	3,552.50	67.64	53.521				
13,500.00	7,733.25	7,200.00	7,135.21	130.54	29.71	-66.55	-81.55	-882.36	3,575.35	3,506.96	68.40	52.274				
13,550.00	7,733.08	7,200.00	7,135.21	131.06	29.71	-60.95	-81.55	-882.36	3,529.05	3,460.03	69.03	51.127				
13,582.30	7,733.00	7,221.79	7,156.72	131.41	29.75	-56.82	-82.09	-878.96	3,498.01	3,428.57	69.44	50.377				
13,600.00	7,732.97	7,222.24	7,157.16	131.60	29.75	-56.84	-82.10	-878.88	3,481.12	3,411.51	69.60	50.013				
13,700.00	7,732.78	7,224.83	7,159.72	132.71	29.75	-56.96	-82.17	-878.42	3,385.82	3,315.24	70.59	47.966				
13,800.00	7,732.60	7,227.57	7,162.40	133.86	29.76	-57.08	-82.24	-877.92	3,290.79	3,219.14	71.65	45.929				
13,900.00	7,732.41	7,250.00	7,184.36	135.06	29.80	-58.09	-82.81	-873.34	3,196.43	3,123.57	72.86	43.872				
14,000.00	7,732.23	7,250.00	7,184.36	136.31	29.80	-58.09	-82.81	-873.34	3,101.89	3,027.81	74.09	41.868				
14,100.00	7,732.05	7,250.00	7,184.36	137.59	29.80	-58.09	-82.81	-873.34	3,007.71	2,932.29	75.42	39.882				
14,200.00	7,731.86	7,250.00	7,184.36	138.92	29.80	-58.09	-82.81	-873.34	2,913.91	2,837.06	76.85	37.916				
14,300.00	7,731.68	7,250.00	7,184.36	140.29	29.80	-58.09	-82.81	-873.34	2,820.54	2,742.13	78.41	35.973				
14,400.00	7,731.49	7,250.00	7,184.36	141.69	29.80	-58.09	-82.81	-873.34	2,727.64	2,647.55	80.09	34.057				
14,500.00	7,731.31	7,250.00	7,184.36	143.14	29.80	-58.09	-82.81	-873.34	2,635.26	2,553.34	81.92	32.170				
14,600.00	7,731.12	7,250.00	7,184.36	144.62	29.80	-58.09	-82.81	-873.34	2,543.45	2,459.56	83.89	30.318				
14,700.00	7,730.94	7,250.00	7,184.36	146.13	29.80	-58.09	-82.81	-873.34	2,452.29	2,366.25	86.04	28.502				
14,800.00	7,730.76	7,250.00	7,184.36	147.68	29.80	-58.09	-82.81	-873.34	2,361.84	2,273.47	88.37	26.728				
14,900.00	7,730.57	7,270.84	7,204.57	149.26	29.82	-59.05	-83.35	-868.31	2,271.74	2,180.80	90.94	24.980				
15,000.00	7,730.39	7,276.55	7,210.08	150.88	29.83	-59.31	-83.50	-866.81	2,182.71	2,089.01	93.70	23.294				
15,100.00	7,730.20	7,300.00	7,232.53	152.52	29.86	-60.40	-84.13	-860.06	2,094.90	1,998.18	96.72	21.659				
15,200.00	7,730.02	7,300.00	7,232.53	154.20	29.86	-60.40	-84.13	-860.06	2,007.62	1,907.64	99.98	20.080				
15,300.00	7,729.83	7,300.00	7,232.53	155.90	29.86	-60.40	-84.13	-860.06	1,921.58	1,818.05	103.53	18.561				
15,400.00	7,729.65	7,300.00	7,232.53	157.63	29.86	-60.40	-84.13	-860.06	1,836.95	1,729.56	107.39	17.106				
15,500.00	7,729.47	7,300.00	7,232.53	159.39	29.86	-60.40	-84.13	-860.06	1,753.94	1,642.35	111.59	15.718				
15,600.00	7,729.28	7,322.28	7,253.58	161.18	29.89	-61.45	-84.73	-852.80	1,672.27	1,556.08	116.19	14.392				
15,700.00	7,729.10	7,350.00	7,279.36	162.99	29.92	-62.76	-85.49	-842.63	1,593.00	1,471.83	121.17	13.147				
15,800.00	7,728.91	7,350.00	7,279.36	164.82	29.92	-62.76	-85.49	-842.63	1,515.29	1,388.69	126.60	11.969				
15,900.00	7,728.73	7,350.00	7,279.36	166.68	29.92	-62.76	-85.49	-842.63	1,440.33	1,307.86	132.47	10.873				
16,000.00	7,728.54	7,370.29	7,297.89	168.56	29.93	-63.73	-86.05	-834.41	1,368.14	1,229.35	138.79	9.858				
16,100.00	7,728.36	7,400.00	7,324.49	170.46	29.95	-65.14	-86.89	-821.19	1,299.43	1,153.88	145.55	8.928				
16,200.00	7,728.18	7,400.00	7,324.49	172.39	29.95	-65.14	-86.89	-821.19	1,233.97	1,081.17	152.80	8.076				
16,300.00	7,727.99	7,423.01	7,344.59	174.33	29.97	-66.23	-87.54	-810.02	1,172.86	1,012.46	160.40	7.312				
16,400.00	7,727.81	7,450.00	7,367.57	176.30	29.98	-67.51	-88.31	-795.90	1,116.45	948.17	168.28	6.634				
16,500.00	7,727.62	7,470.85	7,384.86	178.28	29.99	-68.48	-88.91	-784.26	1,065.21	888.88	176.34	6.041				
16,600.00	7,727.44	7,500.00	7,408.29	180.29	30.01	-69.83	-89.76	-766.95	1,019.71	835.36	184.35	5.531				
16,700.00	7,727.25	7,533.67	7,434.22	182.31	30.02	-71.34	-90.73	-745.49	980.35	788.25	192.10	5.103				
16,800.00	7,727.07	7,572.49	7,462.49	184.35	30.05	-73.03	-91.85	-718.92	947.41	748.05	199.36	4.752				
16,837.81	7,727.00	7,588.70	7,473.75	185.12	30.06	-73.71	-92.32	-707.27	936.65	734.73	201.93	4.639				

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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	0.80	20.06	0.28	20.06					
100.00	100.00	100.00	100.00	0.27	0.13	0.80	20.06	0.28	20.06	19.66	0.40	49.748		
200.00	200.00	200.00	200.00	0.63	0.49	0.80	20.06	0.28	20.06	18.94	1.12	17.909		
300.00	300.00	300.00	300.00	0.99	0.85	0.80	20.06	0.28	20.06	18.23	1.84	10.920		
400.00	399.98	399.98	399.98	1.34	1.21	57.26	20.06	0.28	19.06	16.51	2.55	7.471		
500.00	499.84	499.84	499.84	1.70	1.57	72.45	20.06	0.28	16.82	13.55	3.27	5.146		
514.88	514.68	514.75	514.75	1.76	1.62	75.96	20.04	0.25	16.49	13.12	3.37	4.888		
600.00	599.56	600.08	600.06	2.07	1.91	97.47	19.06	-1.15	14.49	10.51	3.98	3.643		
700.00	699.28	700.23	700.07	2.44	2.26	129.88	16.06	-5.46	12.19	7.52	4.67	2.611		
743.72	742.88	743.92	743.63	2.60	2.41	148.69	14.13	-8.23	11.79	6.82	4.97	2.370 CC, ES		
800.00	799.00	800.05	799.50	2.81	2.61	175.27	11.08	-12.60	12.73	7.35	5.38	2.367 SF		
900.00	898.72	899.30	898.01	3.18	2.98	-147.51	4.17	-22.51	19.62	13.49	6.13	3.201		
1,000.00	998.43	997.79	995.29	3.55	3.37	-127.36	-4.61	-35.10	31.95	25.09	6.87	4.654		
1,100.00	1,098.15	1,096.43	1,092.49	3.93	3.78	-117.54	-14.22	-48.88	47.00	39.40	7.60	6.184		
1,200.00	1,197.87	1,195.08	1,189.69	4.31	4.19	-112.55	-23.83	-62.67	62.75	54.41	8.34	7.523		
1,300.00	1,297.59	1,293.72	1,286.89	4.68	4.62	-109.57	-33.44	-76.45	78.77	69.69	9.08	8.672		
1,400.00	1,397.31	1,392.36	1,384.09	5.06	5.05	-107.60	-43.05	-90.24	94.93	85.10	9.83	9.657		
1,500.00	1,497.03	1,491.00	1,481.29	5.44	5.49	-106.20	-52.66	-104.02	111.16	100.59	10.58	10.508		
1,600.00	1,596.75	1,589.64	1,578.49	5.81	5.93	-105.16	-62.27	-117.81	127.45	116.12	11.33	11.249		
1,700.00	1,696.47	1,688.29	1,675.69	6.19	6.37	-104.36	-71.88	-131.59	143.77	131.68	12.08	11.899		
1,800.00	1,796.19	1,786.93	1,772.89	6.57	6.81	-103.72	-81.49	-145.38	160.10	147.27	12.84	12.474		
1,900.00	1,895.90	1,885.57	1,870.09	6.94	7.26	-103.20	-91.10	-159.16	176.46	162.87	13.59	12.985		
2,000.00	1,995.62	1,984.21	1,967.29	7.32	7.70	-102.77	-100.71	-172.95	192.82	178.48	14.35	13.442		
2,100.00	2,095.34	2,082.85	2,064.49	7.70	8.15	-102.40	-110.32	-186.73	209.20	194.10	15.10	13.853		
2,200.00	2,195.06	2,181.50	2,161.69	8.08	8.60	-102.09	-119.93	-200.52	225.58	209.72	15.86	14.225		
2,300.00	2,294.78	2,280.14	2,258.90	8.45	9.05	-101.82	-129.54	-214.30	241.97	225.35	16.62	14.563		
2,400.00	2,394.50	2,378.78	2,356.10	8.83	9.50	-101.58	-139.16	-228.08	258.36	240.99	17.37	14.871		
2,500.00	2,494.22	2,477.42	2,453.30	9.21	9.95	-101.37	-148.77	-241.87	274.76	256.63	18.13	15.153		
2,600.00	2,593.94	2,576.07	2,550.50	9.59	10.41	-101.19	-158.38	-255.65	291.16	272.27	18.89	15.413		
2,700.00	2,693.65	2,674.71	2,647.70	9.97	10.86	-101.03	-167.99	-269.44	307.56	287.91	19.65	15.652		
2,800.00	2,793.37	2,773.35	2,744.90	10.34	11.31	-100.88	-177.60	-283.22	323.96	303.55	20.41	15.874		
2,900.00	2,893.09	2,871.99	2,842.10	10.72	11.77	-100.74	-187.21	-297.01	340.37	319.20	21.17	16.079		
3,000.00	2,992.81	2,970.63	2,939.30	11.10	12.22	-100.62	-196.82	-310.79	356.77	334.85	21.93	16.271		
3,100.00	3,092.53	3,069.28	3,036.50	11.48	12.67	-100.51	-206.43	-324.58	373.18	350.50	22.69	16.449		
3,200.00	3,192.25	3,167.92	3,133.70	11.86	13.13	-100.41	-216.04	-338.36	389.59	366.15	23.45	16.615		
3,300.00	3,291.97	3,266.56	3,230.90	12.23	13.58	-100.32	-225.65	-352.15	406.00	381.80	24.21	16.772		
3,400.00	3,391.69	3,365.20	3,328.10	12.61	14.04	-100.23	-235.26	-365.93	422.42	397.45	24.97	16.918		
3,500.00	3,491.41	3,463.84	3,425.30	12.99	14.49	-100.15	-244.87	-379.72	438.83	413.10	25.73	17.056		
3,600.00	3,591.12	3,562.49	3,522.50	13.37	14.95	-100.08	-254.48	-393.50	455.24	428.75	26.49	17.186		
3,700.00	3,690.84	3,661.13	3,619.70	13.75	15.40	-100.01	-264.09	-407.29	471.66	444.41	27.25	17.308		
3,800.00	3,790.56	3,759.77	3,716.90	14.13	15.86	-99.94	-273.70	-421.07	488.07	460.06	28.01	17.424		
3,900.00	3,890.28	3,858.41	3,814.10	14.50	16.31	-99.88	-283.32	-434.85	504.49	475.72	28.77	17.534		
4,000.00	3,990.00	3,957.05	3,911.30	14.88	16.77	-99.83	-292.93	-448.64	520.91	491.37	29.53	17.637		
4,100.00	4,089.72	4,055.70	4,008.50	15.26	17.23	-99.78	-302.54	-462.42	537.32	507.03	30.30	17.736		
4,200.00	4,189.44	4,154.34	4,105.70	15.64	17.68	-99.73	-312.15	-476.21	553.74	522.68	31.06	17.830		
4,300.00	4,289.16	4,252.98	4,202.90	16.02	18.14	-99.68	-321.76	-489.99	570.16	538.34	31.82	17.919		
4,400.00	4,388.87	4,351.62	4,300.10	16.39	18.59	-99.64	-331.37	-503.78	586.57	553.99	32.58	18.004		
4,500.00	4,488.59	4,450.27	4,397.30	16.77	19.05	-99.59	-340.98	-517.56	602.99	569.65	33.34	18.085		
4,600.00	4,588.31	4,548.91	4,494.50	17.15	19.51	-99.55	-350.59	-531.35	619.41	585.31	34.10	18.163		
4,700.00	4,688.03	4,647.55	4,591.70	17.53	19.96	-99.52	-360.20	-545.13	635.83	600.96	34.86	18.237		
4,800.00	4,787.75	4,746.19	4,688.90	17.91	20.42	-99.48	-369.81	-558.92	652.25	616.62	35.63	18.308		
4,900.00	4,887.47	4,844.83	4,786.10	18.29	20.88	-99.45	-379.42	-572.70	668.67	632.28	36.39	18.376		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
5,000.00	4,987.19	4,943.48	4,883.30	18.66	21.33	-99.42	-389.03	-586.49	685.09	647.94	37.15	18.441		
5,100.00	5,086.91	5,042.12	4,980.50	19.04	21.79	-99.38	-398.64	-600.27	701.51	663.59	37.91	18.503		
5,200.00	5,186.63	5,140.76	5,077.70	19.42	22.25	-99.36	-408.25	-614.06	717.93	679.25	38.68	18.563		
5,300.00	5,286.34	5,239.40	5,174.90	19.80	22.70	-99.33	-417.86	-627.84	734.35	694.91	39.44	18.621		
5,400.00	5,386.06	5,338.04	5,272.10	20.18	23.16	-99.30	-427.47	-641.62	750.77	710.57	40.20	18.676		
5,500.00	5,485.78	5,436.69	5,369.30	20.56	23.62	-99.28	-437.09	-655.41	767.19	726.22	40.96	18.729		
5,600.00	5,585.50	5,535.33	5,466.50	20.93	24.07	-99.25	-446.70	-669.19	783.61	741.88	41.72	18.781		
5,700.00	5,685.22	5,633.97	5,563.70	21.31	24.53	-99.23	-456.31	-682.98	800.03	757.54	42.49	18.830		
5,800.00	5,784.94	5,732.61	5,660.90	21.69	24.99	-99.20	-465.92	-696.76	816.45	773.20	43.25	18.878		
5,900.00	5,884.66	5,831.26	5,758.10	22.07	25.45	-99.18	-475.53	-710.55	832.87	788.86	44.01	18.924		
6,000.00	5,984.38	5,929.90	5,855.30	22.45	25.90	-99.16	-485.14	-724.33	849.29	804.51	44.77	18.968		
6,100.00	6,084.09	6,028.54	5,952.50	22.83	26.36	-99.14	-494.75	-738.12	865.71	820.17	45.54	19.011		
6,200.00	6,183.81	6,127.18	6,049.70	23.20	26.82	-99.12	-504.36	-751.90	882.13	835.83	46.30	19.053		
6,300.00	6,283.53	6,225.82	6,146.90	23.58	27.27	-99.10	-513.97	-765.69	898.55	851.49	47.06	19.093		
6,400.00	6,383.25	6,324.47	6,244.10	23.96	27.73	-99.09	-523.58	-779.47	914.97	867.15	47.83	19.132		
6,500.00	6,482.97	6,423.11	6,341.30	24.34	28.19	-99.07	-533.19	-793.26	931.39	882.81	48.59	19.169		
6,600.00	6,582.69	6,521.75	6,438.50	24.72	28.65	-99.05	-542.80	-807.04	947.82	898.46	49.35	19.206		
6,700.00	6,682.41	6,620.39	6,535.71	25.09	29.10	-99.04	-552.41	-820.83	964.24	914.12	50.11	19.241		
6,800.00	6,782.13	6,719.03	6,632.91	25.47	29.56	-99.02	-562.02	-834.61	980.66	929.78	50.88	19.275		
6,900.00	6,881.84	6,817.68	6,730.11	25.85	30.02	-99.01	-571.63	-848.39	997.08	945.44	51.64	19.308		
7,000.00	6,981.56	6,916.32	6,827.31	26.23	30.48	-98.99	-581.25	-862.18	1,013.50	961.10	52.40	19.340		
7,100.00	7,081.28	7,014.96	6,924.51	26.61	30.93	-98.98	-590.86	-875.96	1,029.92	976.76	53.17	19.372		
7,200.00	7,181.00	7,303.02	7,208.54	26.99	31.86	-101.20	-619.81	-869.72	1,042.48	987.91	54.56	19.106		
7,222.08	7,203.02	7,406.12	7,304.57	27.07	31.97	-103.60	-630.22	-834.07	1,041.42	986.84	54.58	19.079		
7,250.00	7,230.81	7,510.24	7,393.48	27.18	32.01	-92.98	-640.23	-781.13	1,038.09	983.54	54.56	19.028		
7,300.00	7,280.16	7,629.26	7,481.48	27.39	31.99	-89.53	-650.64	-701.99	1,028.94	974.08	54.86	18.757		
7,350.00	7,328.67	7,691.83	7,520.67	27.61	31.97	-89.91	-655.52	-653.50	1,018.84	963.33	55.51	18.355		
7,400.00	7,375.96	7,723.36	7,538.36	27.86	31.96	-90.52	-657.80	-627.50	1,009.63	953.36	56.26	17.944		
7,450.00	7,421.67	7,737.27	7,545.71	28.12	31.95	-90.81	-658.76	-615.73	1,002.09	945.09	57.00	17.581		
7,500.00	7,465.45	7,740.52	7,547.38	28.40	31.95	-90.70	-658.98	-612.95	996.57	938.91	57.66	17.282		
7,550.00	7,506.97	7,736.92	7,545.52	28.70	31.95	-90.22	-658.74	-616.03	993.22	934.97	58.25	17.051		
7,600.00	7,545.92	7,728.70	7,541.22	29.02	31.95	-89.42	-658.17	-623.00	992.03	933.28	58.75	16.886		
7,603.05	7,548.21	7,728.09	7,540.89	29.04	31.95	-89.36	-658.13	-623.52	992.02	933.25	58.78	16.878		
7,650.00	7,582.00	7,717.24	7,535.04	29.37	31.96	-88.34	-657.37	-632.62	992.93	933.76	59.17	16.781		
7,700.00	7,614.93	7,703.42	7,527.34	29.76	31.96	-87.02	-656.37	-644.06	995.80	936.28	59.52	16.729		
7,750.00	7,644.47	7,687.82	7,518.32	30.18	31.97	-85.50	-655.22	-656.73	1,000.48	940.64	59.83	16.721		
7,800.00	7,670.38	7,670.88	7,508.14	30.64	31.97	-83.81	-653.94	-670.21	1,006.77	946.66	60.11	16.750		
7,850.00	7,692.48	7,650.00	7,495.06	31.14	31.98	-81.84	-652.31	-686.40	1,014.46	954.13	60.34	16.813		
7,900.00	7,710.59	7,634.06	7,484.68	31.68	31.99	-80.07	-651.03	-698.42	1,023.33	962.72	60.61	16.883		
7,950.00	7,724.57	7,614.56	7,471.53	32.27	31.99	-78.09	-649.43	-712.74	1,033.16	972.29	60.87	16.973		
8,000.00	7,734.32	7,600.00	7,461.40	32.89	32.00	-76.32	-648.21	-723.12	1,043.73	982.53	61.20	17.055		
8,050.00	7,739.77	7,574.02	7,442.69	33.54	32.00	-74.07	-645.97	-741.00	1,054.77	993.32	61.45	17.165		
8,085.63	7,741.00	7,559.19	7,431.65	34.02	32.01	-72.66	-644.67	-750.82	1,062.84	1,001.16	61.68	17.232		
8,100.00	7,741.05	7,550.00	7,424.68	34.22	32.01	-72.28	-643.85	-756.76	1,066.19	1,004.45	61.74	17.270		
8,200.00	7,741.40	7,515.64	7,397.82	35.69	32.01	-70.82	-640.73	-777.95	1,093.10	1,030.65	62.45	17.505		
8,300.00	7,741.75	7,483.73	7,371.78	37.30	32.01	-69.43	-637.75	-796.14	1,126.44	1,063.34	63.10	17.851		
8,400.00	7,742.10	7,450.00	7,343.20	39.03	32.00	-67.92	-634.52	-813.75	1,166.07	1,102.44	63.63	18.325		
8,500.00	7,742.44	7,433.03	7,328.45	40.86	31.99	-67.14	-632.87	-821.96	1,211.55	1,147.27	64.28	18.849		
8,600.00	7,742.79	7,400.00	7,299.05	42.79	31.97	-65.63	-629.61	-836.67	1,262.69	1,198.09	64.59	19.548		
8,700.00	7,743.14	7,400.00	7,299.05	44.80	31.97	-65.63	-629.61	-836.67	1,318.54	1,253.28	65.26	20.204		
8,800.00	7,743.49	7,379.37	7,280.29	46.87	31.95	-64.68	-627.55	-844.98	1,378.99	1,313.44	65.55	21.037		
8,900.00	7,743.84	7,350.00	7,253.08	49.01	31.93	-63.31	-624.59	-855.64	1,443.70	1,378.06	65.64	21.994		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,000.00	7,744.19	7,350.00	7,253.08	51.20	31.93	-63.31	-624.59	-855.64	1,511.52	1,445.46	66.05	22.884		
9,100.00	7,744.54	7,350.00	7,253.08	53.43	31.93	-63.31	-624.59	-855.64	1,582.74	1,516.36	66.38	23.842		
9,200.00	7,744.89	7,332.43	7,236.56	55.71	31.90	-62.50	-622.81	-861.33	1,656.64	1,590.19	66.45	24.932		
9,300.00	7,745.23	7,323.50	7,228.10	58.02	31.89	-62.08	-621.90	-864.03	1,733.05	1,666.47	66.57	26.033		
9,400.00	7,745.58	7,300.00	7,205.63	60.37	31.86	-61.00	-619.50	-870.50	1,811.85	1,745.36	66.49	27.249		
9,500.00	7,745.93	7,300.00	7,205.63	62.74	31.86	-61.00	-619.50	-870.50	1,892.15	1,825.49	66.66	28.387		
9,600.00	7,746.28	7,300.00	7,205.63	65.14	31.86	-61.00	-619.50	-870.50	1,974.25	1,907.46	66.79	29.560		
9,700.00	7,746.63	7,300.00	7,205.63	67.56	31.86	-61.00	-619.50	-870.50	2,057.94	1,991.05	66.89	30.765		
9,800.00	7,746.98	7,300.00	7,205.63	70.01	31.86	-61.00	-619.50	-870.50	2,143.02	2,076.05	66.98	31.996		
9,900.00	7,747.33	7,300.00	7,205.63	72.47	31.86	-61.00	-619.50	-870.50	2,229.35	2,162.30	67.04	33.252		
10,000.00	7,747.67	7,279.13	7,185.48	74.94	31.82	-60.04	-617.36	-875.46	2,316.34	2,249.43	66.90	34.623		
10,100.00	7,748.02	7,274.58	7,181.06	77.43	31.82	-59.83	-616.89	-876.44	2,404.53	2,337.62	66.91	35.938		
10,200.00	7,748.37	7,270.34	7,176.94	79.94	31.81	-59.63	-616.46	-877.33	2,493.58	2,426.67	66.91	37.268		
10,300.00	7,748.72	7,250.00	7,157.06	82.46	31.77	-58.71	-614.37	-881.15	2,583.66	2,516.90	66.76	38.700		
10,400.00	7,749.07	7,250.00	7,157.06	84.98	31.77	-58.71	-614.37	-881.15	2,674.07	2,607.27	66.79	40.035		
10,500.00	7,749.42	7,250.00	7,157.06	87.52	31.77	-58.71	-614.37	-881.15	2,765.13	2,698.31	66.82	41.381		
10,600.00	7,749.77	7,250.00	7,157.06	90.07	31.77	-58.71	-614.37	-881.15	2,856.80	2,789.95	66.84	42.738		
10,700.00	7,750.11	7,250.00	7,157.06	92.62	31.77	-58.71	-614.37	-881.15	2,949.00	2,882.14	66.86	44.105		
10,800.00	7,750.46	7,250.00	7,157.06	95.19	31.77	-58.71	-614.37	-881.15	3,041.70	2,974.82	66.88	45.480		
10,900.00	7,750.81	7,250.00	7,157.06	97.76	31.77	-58.71	-614.37	-881.15	3,134.85	3,067.95	66.89	46.862		
11,000.00	7,751.16	7,250.00	7,157.06	100.34	31.77	-58.71	-614.37	-881.15	3,228.40	3,161.50	66.91	48.252		
11,100.00	7,751.51	7,250.00	7,157.06	102.92	31.77	-58.71	-614.37	-881.15	3,322.33	3,255.42	66.92	49.647		
11,200.00	7,751.86	7,250.00	7,157.06	105.51	31.77	-58.71	-614.37	-881.15	3,416.61	3,349.68	66.93	51.047		
11,300.00	7,752.21	7,250.00	7,157.06	108.11	31.77	-58.71	-614.37	-881.15	3,511.20	3,444.26	66.94	52.452		
11,400.00	7,752.55	7,250.00	7,157.06	110.70	31.77	-58.71	-614.37	-881.15	3,606.09	3,539.14	66.95	53.862		
11,500.00	7,752.90	7,250.00	7,157.06	113.31	31.77	-58.71	-614.37	-881.15	3,701.24	3,634.28	66.96	55.274		
11,527.76	7,753.00	7,250.00	7,157.06	114.03	31.77	-58.71	-614.37	-881.15	3,727.70	3,660.73	66.96	55.667		
11,550.00	7,753.07	7,250.00	7,157.06	114.61	31.77	-61.91	-614.37	-881.15	3,748.80	3,681.83	66.96	55.982		
11,600.00	7,753.18	7,250.00	7,157.06	115.90	31.77	-67.18	-614.37	-881.15	3,795.31	3,728.35	66.95	56.686		
11,650.00	7,753.23	7,250.00	7,157.06	117.15	31.77	-70.73	-614.37	-881.15	3,840.30	3,773.38	66.92	57.384		
11,700.00	7,753.20	7,250.00	7,157.06	118.36	31.77	-73.26	-614.37	-881.15	3,883.49	3,816.62	66.87	58.075		
11,750.00	7,753.11	7,250.00	7,157.06	119.50	31.77	-75.13	-614.37	-881.15	3,924.62	3,857.82	66.79	58.758		
11,800.00	7,752.95	7,250.00	7,157.06	120.58	31.77	-76.56	-614.37	-881.15	3,963.43	3,896.75	66.69	59.433		
11,850.00	7,752.73	7,250.00	7,157.06	121.58	31.77	-77.69	-614.37	-881.15	3,999.72	3,933.17	66.55	60.104		
11,900.00	7,752.44	7,250.00	7,157.06	122.49	31.77	-78.58	-614.37	-881.15	4,033.27	3,966.90	66.37	60.771		
11,950.00	7,752.10	7,227.90	7,135.33	123.31	31.72	-78.93	-612.10	-884.49	4,063.42	3,997.43	66.00	61.572		
12,000.00	7,751.69	7,227.69	7,135.13	124.03	31.72	-79.54	-612.08	-884.52	4,090.96	4,025.23	65.73	62.239		
12,050.00	7,751.22	7,227.57	7,135.01	124.65	31.72	-80.04	-612.06	-884.53	4,115.26	4,049.84	65.42	62.907		
12,100.00	7,750.71	7,227.54	7,134.98	125.18	31.72	-80.46	-612.06	-884.54	4,136.21	4,071.15	65.06	63.575		
12,150.00	7,750.14	7,227.59	7,135.03	125.62	31.72	-80.80	-612.07	-884.53	4,153.70	4,089.04	64.66	64.242		
12,200.00	7,749.53	7,227.72	7,135.16	125.96	31.72	-81.08	-612.08	-884.51	4,167.63	4,103.42	64.21	64.907		
12,250.00	7,748.89	7,227.93	7,135.37	126.22	31.72	-81.30	-612.10	-884.48	4,177.95	4,114.22	63.72	65.564		
12,300.00	7,748.20	7,250.00	7,157.06	126.41	31.77	-81.76	-614.37	-881.15	4,185.06	4,121.70	63.35	66.060		
12,350.00	7,747.49	7,250.00	7,157.06	126.53	31.77	-81.87	-614.37	-881.15	4,187.98	4,125.17	62.81	66.680		
12,400.00	7,746.76	7,250.00	7,157.06	126.60	31.77	-81.94	-614.37	-881.15	4,187.17	4,124.93	62.25	67.268		
12,450.00	7,746.00	7,250.00	7,157.06	126.62	31.77	-81.95	-614.37	-881.15	4,182.65	4,120.97	61.68	67.808		
12,500.00	7,745.23	7,250.00	7,157.06	126.62	31.77	-81.91	-614.37	-881.15	4,174.43	4,113.30	61.13	68.286		
12,550.00	7,744.46	7,250.00	7,157.06	126.59	31.77	-81.82	-614.37	-881.15	4,162.55	4,101.95	60.61	68.683		
12,600.00	7,743.68	7,250.00	7,157.06	126.55	31.77	-81.66	-614.37	-881.15	4,147.08	4,086.96	60.12	68.982		
12,650.00	7,742.91	7,250.00	7,157.06	126.52	31.77	-81.43	-614.37	-881.15	4,128.09	4,068.41	59.68	69.167		
12,700.00	7,742.16	7,250.00	7,157.06	126.50	31.77	-81.12	-614.37	-881.15	4,105.67	4,046.36	59.31	69.223		
12,750.00	7,741.41	7,250.00	7,157.06	126.51	31.77	-80.71	-614.37	-881.15	4,079.95	4,020.94	59.01	69.139		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,800.00	7,740.69	7,250.00	7,157.06	126.55	31.77	-80.17	-614.37	-881.15	4,051.06	3,992.27	58.79	68.910		
12,850.00	7,740.00	7,250.00	7,157.06	126.64	31.77	-79.48	-614.37	-881.15	4,019.15	3,960.51	58.64	68.538		
12,900.00	7,739.34	7,250.00	7,157.06	126.77	31.77	-78.58	-614.37	-881.15	3,984.40	3,925.83	58.57	68.030		
12,950.00	7,738.72	7,250.00	7,157.06	126.95	31.77	-77.42	-614.37	-881.15	3,946.99	3,888.43	58.56	67.400		
12,966.03	7,738.53	7,250.00	7,157.06	127.02	31.77	-76.98	-614.37	-881.15	3,934.48	3,875.90	58.57	67.172		
13,000.00	7,738.13	7,250.00	7,157.06	127.17	31.77	-76.98	-614.37	-881.15	3,907.74	3,849.13	58.61	66.674		
13,100.00	7,736.96	7,250.00	7,157.06	127.65	31.77	-76.98	-614.37	-881.15	3,829.71	3,770.82	58.89	65.037		
13,200.00	7,735.78	7,250.00	7,157.06	128.16	31.77	-76.98	-614.37	-881.15	3,752.72	3,693.28	59.43	63.142		
13,221.13	7,735.54	7,250.00	7,157.06	128.27	31.77	-76.98	-614.37	-881.15	3,736.59	3,677.00	59.58	62.711		
13,250.00	7,735.21	7,250.00	7,157.06	128.44	31.77	-76.14	-614.37	-881.15	3,714.18	3,654.38	59.81	62.103		
13,300.00	7,734.68	7,250.00	7,157.06	128.76	31.77	-74.32	-614.37	-881.15	3,673.56	3,613.35	60.21	61.014		
13,350.00	7,734.22	7,250.00	7,157.06	129.14	31.77	-71.85	-614.37	-881.15	3,630.84	3,570.23	60.61	59.905		
13,400.00	7,733.83	7,250.00	7,157.06	129.57	31.77	-68.41	-614.37	-881.15	3,586.28	3,525.29	60.99	58.804		
13,450.00	7,733.51	7,250.00	7,157.06	130.04	31.77	-63.37	-614.37	-881.15	3,540.15	3,478.83	61.32	57.732		
13,500.00	7,733.25	7,250.00	7,157.06	130.54	31.77	-55.62	-614.37	-881.15	3,492.75	3,431.16	61.59	56.709		
13,550.00	7,733.08	7,250.00	7,157.06	131.06	31.77	-43.01	-614.37	-881.15	3,444.40	3,382.62	61.78	55.751		
13,582.30	7,733.00	7,250.00	7,157.06	131.41	31.77	-30.80	-614.37	-881.15	3,412.82	3,350.96	61.86	55.172		
13,600.00	7,732.97	7,250.00	7,157.06	131.60	31.77	-30.80	-614.37	-881.15	3,395.46	3,333.57	61.89	54.864		
13,700.00	7,732.78	7,250.00	7,157.06	132.71	31.77	-30.80	-614.37	-881.15	3,297.44	3,235.37	62.07	53.123		
13,800.00	7,732.60	7,250.00	7,157.06	133.86	31.77	-30.80	-614.37	-881.15	3,199.55	3,137.27	62.28	51.374		
13,900.00	7,732.41	7,250.00	7,157.06	135.06	31.77	-30.80	-614.37	-881.15	3,101.79	3,039.27	62.52	49.616		
14,000.00	7,732.23	7,250.00	7,157.06	136.31	31.77	-30.80	-614.37	-881.15	3,004.18	2,941.40	62.78	47.849		
14,100.00	7,732.05	7,250.00	7,157.06	137.59	31.77	-30.80	-614.37	-881.15	2,906.73	2,843.65	63.09	46.075		
14,200.00	7,731.86	7,271.62	7,178.18	138.92	31.81	-31.60	-616.59	-877.07	2,808.97	2,745.49	63.49	44.245		
14,300.00	7,731.68	7,275.25	7,181.71	140.29	31.82	-31.74	-616.96	-876.30	2,711.72	2,647.85	63.88	42.453		
14,400.00	7,731.49	7,279.11	7,185.46	141.69	31.82	-31.89	-617.36	-875.47	2,614.65	2,550.33	64.31	40.655		
14,500.00	7,731.31	7,300.00	7,205.63	143.14	31.86	-32.71	-619.50	-870.50	2,518.07	2,453.24	64.83	38.840		
14,600.00	7,731.12	7,300.00	7,205.63	144.62	31.86	-32.71	-619.50	-870.50	2,421.26	2,355.89	65.37	37.039		
14,700.00	7,730.94	7,300.00	7,205.63	146.13	31.86	-32.71	-619.50	-870.50	2,324.73	2,258.75	65.98	35.233		
14,800.00	7,730.76	7,300.00	7,205.63	147.68	31.86	-32.71	-619.50	-870.50	2,228.51	2,161.83	66.67	33.424		
14,900.00	7,730.57	7,300.00	7,205.63	149.26	31.86	-32.71	-619.50	-870.50	2,132.63	2,065.17	67.46	31.613		
15,000.00	7,730.39	7,300.00	7,205.63	150.88	31.86	-32.71	-619.50	-870.50	2,037.15	1,968.79	68.35	29.803		
15,100.00	7,730.20	7,300.00	7,205.63	152.52	31.86	-32.71	-619.50	-870.50	1,942.12	1,872.75	69.37	27.996		
15,200.00	7,730.02	7,321.23	7,225.93	154.20	31.89	-33.59	-621.67	-864.70	1,847.11	1,776.63	70.48	26.207		
15,300.00	7,729.83	7,328.47	7,232.81	155.90	31.90	-33.90	-622.40	-862.55	1,752.80	1,681.03	71.77	24.424		
15,400.00	7,729.65	7,350.00	7,253.08	157.63	31.93	-34.86	-624.59	-855.64	1,659.23	1,586.06	73.17	22.677		
15,500.00	7,729.47	7,350.00	7,253.08	159.39	31.93	-34.86	-624.59	-855.64	1,565.86	1,491.00	74.87	20.915		
15,600.00	7,729.28	7,350.00	7,253.08	161.18	31.93	-34.86	-624.59	-855.64	1,473.37	1,396.54	76.83	19.178		
15,700.00	7,729.10	7,350.00	7,253.08	162.99	31.93	-34.86	-624.59	-855.64	1,381.92	1,302.83	79.09	17.473		
15,800.00	7,728.91	7,375.93	7,277.13	164.82	31.95	-36.07	-627.20	-846.31	1,290.91	1,209.42	81.49	15.842		
15,900.00	7,728.73	7,400.00	7,299.05	166.68	31.97	-37.26	-629.61	-836.67	1,201.41	1,117.15	84.26	14.258		
16,000.00	7,728.54	7,400.00	7,299.05	168.56	31.97	-37.26	-629.61	-836.67	1,112.87	1,025.10	87.77	12.679		
16,100.00	7,728.36	7,417.95	7,315.13	170.46	31.98	-38.18	-631.39	-828.89	1,026.01	934.36	91.65	11.195		
16,200.00	7,728.18	7,450.00	7,343.20	172.39	32.00	-39.92	-634.52	-813.75	941.27	845.29	95.99	9.806		
16,300.00	7,727.99	7,450.00	7,343.20	174.33	32.00	-39.92	-634.52	-813.75	858.20	756.55	101.65	8.443		
16,400.00	7,727.81	7,477.32	7,366.43	176.30	32.00	-41.48	-637.14	-799.62	778.02	670.14	107.88	7.212		
16,500.00	7,727.62	7,500.00	7,385.18	178.28	32.01	-42.84	-639.28	-787.05	701.17	585.79	115.38	6.077		
16,600.00	7,727.44	7,531.69	7,410.53	180.29	32.01	-44.82	-642.20	-768.25	628.34	504.22	124.12	5.062		
16,700.00	7,727.25	7,565.02	7,436.02	182.31	32.00	-46.99	-645.18	-747.00	560.50	426.07	134.43	4.169		
16,800.00	7,727.07	7,600.00	7,461.40	184.35	32.00	-49.37	-648.21	-723.12	498.79	352.35	146.44	3.406		
16,837.81	7,727.00	7,619.44	7,474.86	185.12	31.99	-50.72	-649.83	-709.20	477.29	326.01	151.28	3.155		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
8,700.00	7,743.14	7,961.00	7,879.64	44.80	22.01	-90.71	-2,905.52	-11,050.47	10,010.71	9,957.85	52.86	189.389		
8,800.00	7,743.49	7,961.00	7,879.64	46.87	22.01	-90.71	-2,905.52	-11,050.47	9,916.87	9,863.49	53.38	185.791		
8,900.00	7,743.84	7,961.00	7,879.64	49.01	22.01	-90.71	-2,905.52	-11,050.47	9,823.16	9,769.22	53.93	182.144		
9,000.00	7,744.19	7,961.00	7,879.64	51.20	22.01	-90.71	-2,905.52	-11,050.47	9,729.57	9,675.04	54.52	178.454		
9,100.00	7,744.54	7,961.00	7,879.64	53.43	22.01	-90.71	-2,905.52	-11,050.47	9,636.11	9,580.96	55.15	174.730		
9,200.00	7,744.89	7,961.00	7,879.64	55.71	22.01	-90.71	-2,905.52	-11,050.47	9,542.78	9,486.96	55.81	170.978		
9,300.00	7,745.23	7,961.00	7,879.64	58.02	22.01	-90.71	-2,905.52	-11,050.47	9,449.59	9,393.07	56.51	167.207		
9,400.00	7,745.58	7,961.00	7,879.64	60.37	22.01	-90.71	-2,905.52	-11,050.47	9,356.53	9,299.28	57.25	163.424		
9,500.00	7,745.93	7,961.00	7,879.64	62.74	22.01	-90.71	-2,905.52	-11,050.47	9,263.63	9,205.60	58.03	159.635		
9,600.00	7,746.28	7,961.00	7,879.64	65.14	22.01	-90.71	-2,905.52	-11,050.47	9,170.87	9,112.03	58.85	155.848		
9,700.00	7,746.63	7,961.00	7,879.64	67.56	22.01	-90.71	-2,905.52	-11,050.47	9,078.27	9,018.57	59.70	152.068		
9,800.00	7,746.98	7,961.00	7,879.64	70.01	22.01	-90.71	-2,905.52	-11,050.47	8,985.82	8,925.23	60.59	148.303		
9,900.00	7,747.33	7,961.00	7,879.64	72.47	22.01	-90.71	-2,905.52	-11,050.47	8,893.54	8,832.02	61.52	144.558		
10,000.00	7,747.67	7,961.00	7,879.64	74.94	22.01	-90.71	-2,905.52	-11,050.47	8,801.43	8,738.94	62.49	140.838		
10,100.00	7,748.02	7,961.00	7,879.64	77.43	22.01	-90.71	-2,905.52	-11,050.47	8,709.49	8,645.99	63.50	137.149		
10,200.00	7,748.37	7,961.00	7,879.64	79.94	22.01	-90.71	-2,905.52	-11,050.47	8,617.73	8,553.18	64.55	133.496		
10,300.00	7,748.72	7,961.00	7,879.64	82.46	22.01	-90.71	-2,905.52	-11,050.47	8,526.16	8,460.51	65.65	129.882		
10,400.00	7,749.07	7,961.00	7,879.64	84.98	22.01	-90.71	-2,905.52	-11,050.47	8,434.78	8,368.00	66.78	126.311		
10,500.00	7,749.42	7,961.00	7,879.64	87.52	22.01	-90.71	-2,905.52	-11,050.47	8,343.59	8,275.64	67.95	122.788		
10,600.00	7,749.77	7,961.00	7,879.64	90.07	22.01	-90.71	-2,905.52	-11,050.47	8,252.61	8,183.45	69.17	119.315		
10,700.00	7,750.11	7,961.00	7,879.64	92.62	22.01	-90.71	-2,905.52	-11,050.47	8,161.84	8,091.42	70.42	115.895		
10,800.00	7,750.46	7,961.00	7,879.64	95.19	22.01	-90.71	-2,905.52	-11,050.47	8,071.29	7,999.57	71.73	112.530		
10,900.00	7,750.81	7,961.00	7,879.64	97.76	22.01	-90.71	-2,905.52	-11,050.47	7,980.97	7,907.90	73.07	109.224		
11,000.00	7,751.16	7,961.00	7,879.64	100.34	22.01	-90.71	-2,905.52	-11,050.47	7,890.88	7,816.42	74.46	105.977		
11,100.00	7,751.51	7,961.00	7,879.64	102.92	22.01	-90.71	-2,905.52	-11,050.47	7,801.02	7,725.13	75.89	102.791		
11,200.00	7,751.86	7,961.00	7,879.64	105.51	22.01	-90.71	-2,905.52	-11,050.47	7,711.42	7,634.05	77.37	99.668		
11,300.00	7,752.21	7,961.00	7,879.64	108.11	22.01	-90.71	-2,905.52	-11,050.47	7,622.08	7,543.19	78.90	96.609		
11,400.00	7,752.55	7,961.00	7,879.64	110.70	22.01	-90.71	-2,905.52	-11,050.47	7,533.01	7,452.54	80.47	93.614		
11,500.00	7,752.90	7,961.00	7,879.64	113.31	22.01	-90.71	-2,905.52	-11,050.47	7,444.21	7,362.12	82.09	90.684		
11,527.76	7,753.00	7,961.00	7,879.64	114.03	22.01	-90.71	-2,905.52	-11,050.47	7,419.62	7,337.07	82.55	89.883		
11,550.00	7,753.07	7,961.00	7,879.64	114.61	22.01	-90.83	-2,905.52	-11,050.47	7,399.72	7,316.82	82.90	89.256		
11,600.00	7,753.18	7,961.00	7,879.64	115.90	22.01	-91.21	-2,905.52	-11,050.47	7,353.74	7,270.13	83.61	87.953		
11,650.00	7,753.23	7,961.00	7,879.64	117.15	22.01	-91.84	-2,905.52	-11,050.47	7,306.27	7,222.09	84.18	86.798		
11,700.00	7,753.20	7,961.00	7,879.64	118.36	22.01	-93.08	-2,905.52	-11,050.47	7,257.63	7,173.04	84.59	85.794		
11,750.00	7,753.11	7,961.00	7,879.64	119.50	22.01	-96.38	-2,905.52	-11,050.47	7,208.19	7,123.33	84.86	84.941		
11,800.00	7,752.95	7,961.00	7,879.64	120.58	22.01	-127.84	-2,905.52	-11,050.47	7,158.30	7,073.32	84.97	84.240		
11,850.00	7,752.73	7,961.00	7,879.64	121.58	22.01	101.49	-2,905.52	-11,050.47	7,108.34	7,023.40	84.94	83.689		
11,900.00	7,752.44	7,961.00	7,879.64	122.49	22.01	95.66	-2,905.52	-11,050.47	7,058.69	6,973.93	84.75	83.285		
11,950.00	7,752.10	7,961.00	7,879.64	123.31	22.01	93.93	-2,905.52	-11,050.47	7,009.74	6,925.31	84.43	83.026		
12,000.00	7,751.69	7,961.00	7,879.64	124.03	22.01	93.09	-2,905.52	-11,050.47	6,961.88	6,877.91	83.97	82.908 SF		
12,050.00	7,751.22	7,961.00	7,879.64	124.65	22.01	92.58	-2,905.52	-11,050.47	6,915.50	6,832.11	83.39	82.926		
12,100.00	7,750.71	7,961.00	7,879.64	125.18	22.01	92.23	-2,905.52	-11,050.47	6,870.99	6,788.28	82.71	83.075		
12,150.00	7,750.14	7,961.00	7,879.64	125.62	22.01	91.97	-2,905.52	-11,050.47	6,828.73	6,746.80	81.93	83.347		
12,200.00	7,749.53	7,961.00	7,879.64	125.96	22.01	91.76	-2,905.52	-11,050.47	6,789.08	6,708.00	81.08	83.735		
12,250.00	7,748.89	7,961.00	7,879.64	126.22	22.01	91.58	-2,905.52	-11,050.47	6,752.40	6,672.23	80.17	84.229		
12,300.00	7,748.20	7,961.00	7,879.64	126.41	22.01	91.43	-2,905.52	-11,050.47	6,719.01	6,639.79	79.22	84.819		
12,350.00	7,747.49	7,961.00	7,879.64	126.53	22.01	91.29	-2,905.52	-11,050.47	6,689.21	6,610.97	78.24	85.492		
12,400.00	7,746.76	7,961.00	7,879.64	126.60	22.01	91.17	-2,905.52	-11,050.47	6,663.29	6,586.03	77.27	86.236		
12,450.00	7,746.00	7,961.00	7,879.64	126.62	22.01	91.06	-2,905.52	-11,050.47	6,641.49	6,565.19	76.31	87.035		
12,500.00	7,745.23	7,961.00	7,879.64	126.62	22.01	90.95	-2,905.52	-11,050.47	6,624.02	6,548.64	75.38	87.874		
12,550.00	7,744.46	7,961.00	7,879.64	126.59	22.01	90.85	-2,905.52	-11,050.47	6,611.04	6,536.54	74.50	88.738		
12,600.00	7,743.68	7,961.00	7,879.64	126.55	22.01	90.76	-2,905.52	-11,050.47	6,602.68	6,529.00	73.68	89.611		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
12,650.00	7,742.91	7,961.00	7,879.64	126.52	22.01	90.68	-2,905.52	-11,050.47	6,599.02	6,526.09	72.94	90.477	ES	
12,663.65	7,742.71	7,961.00	7,879.64	126.52	22.01	90.66	-2,905.52	-11,050.47	6,598.84	6,526.09	72.75	90.702	CC	
12,700.00	7,742.16	7,961.00	7,879.64	126.50	22.01	90.61	-2,905.52	-11,050.47	6,600.10	6,527.83	72.27	91.325		
12,750.00	7,741.41	7,961.00	7,879.64	126.51	22.01	90.54	-2,905.52	-11,050.47	6,605.90	6,534.21	71.69	92.144		
12,800.00	7,740.69	7,961.00	7,879.64	126.55	22.01	90.48	-2,905.52	-11,050.47	6,616.37	6,545.17	71.20	92.926		
12,850.00	7,740.00	7,961.00	7,879.64	126.64	22.01	90.44	-2,905.52	-11,050.47	6,631.41	6,560.61	70.80	93.669		
12,900.00	7,739.34	7,961.00	7,879.64	126.77	22.01	90.41	-2,905.52	-11,050.47	6,650.87	6,580.40	70.48	94.372		
12,950.00	7,738.72	7,961.00	7,879.64	126.95	22.01	90.39	-2,905.52	-11,050.47	6,674.57	6,604.34	70.23	95.040		
12,966.03	7,738.53	7,961.00	7,879.64	127.02	22.01	90.38	-2,905.52	-11,050.47	6,683.03	6,612.86	70.17	95.245		
13,000.00	7,738.13	7,961.00	7,879.64	127.17	22.01	90.38	-2,905.52	-11,050.47	6,701.44	6,631.40	70.04	95.678		
13,100.00	7,736.96	7,961.00	7,879.64	127.65	22.01	90.38	-2,905.52	-11,050.47	6,756.36	6,686.62	69.74	96.874		
13,200.00	7,735.78	7,961.00	7,879.64	128.16	22.01	90.38	-2,905.52	-11,050.47	6,812.30	6,742.76	69.55	97.951		
13,221.13	7,735.54	7,961.00	7,879.64	128.27	22.01	90.38	-2,905.52	-11,050.47	6,824.25	6,754.74	69.52	98.164		
13,250.00	7,735.21	7,961.00	7,879.64	128.44	22.01	90.39	-2,905.52	-11,050.47	6,841.24	6,771.75	69.49	98.447		
13,300.00	7,734.68	7,961.00	7,879.64	128.76	22.01	90.43	-2,905.52	-11,050.47	6,873.54	6,804.06	69.48	98.927		
13,350.00	7,734.22	7,961.00	7,879.64	129.14	22.01	90.50	-2,905.52	-11,050.47	6,909.23	6,839.72	69.51	99.405		
13,400.00	7,733.83	7,961.00	7,879.64	129.57	22.01	90.62	-2,905.52	-11,050.47	6,947.98	6,878.43	69.55	99.896		
13,450.00	7,733.51	7,961.00	7,879.64	130.04	22.01	90.80	-2,905.52	-11,050.47	6,989.45	6,919.84	69.61	100.411		
13,500.00	7,733.25	7,961.00	7,879.64	130.54	22.01	91.08	-2,905.52	-11,050.47	7,033.29	6,963.62	69.67	100.958		
13,550.00	7,733.08	7,961.00	7,879.64	131.06	22.01	91.51	-2,905.52	-11,050.47	7,079.11	7,009.40	69.72	101.542		
13,582.30	7,733.00	7,961.00	7,879.64	131.41	22.01	91.95	-2,905.52	-11,050.47	7,109.59	7,039.85	69.74	101.941		
13,600.00	7,732.97	7,961.00	7,879.64	131.60	22.01	91.95	-2,905.52	-11,050.47	7,126.46	7,056.71	69.76	102.164		
13,700.00	7,732.78	7,961.00	7,879.64	132.71	22.01	91.95	-2,905.52	-11,050.47	7,221.84	7,152.02	69.83	103.424		
13,800.00	7,732.60	7,961.00	7,879.64	133.86	22.01	91.95	-2,905.52	-11,050.47	7,317.35	7,247.44	69.91	104.670		
13,900.00	7,732.41	7,961.00	7,879.64	135.06	22.01	91.95	-2,905.52	-11,050.47	7,412.97	7,342.97	70.00	105.903		
14,000.00	7,732.23	7,961.00	7,879.64	136.31	22.01	91.95	-2,905.52	-11,050.47	7,508.70	7,438.61	70.09	107.122		
14,100.00	7,732.05	7,961.00	7,879.64	137.59	22.01	91.95	-2,905.52	-11,050.47	7,604.55	7,534.35	70.20	108.330		
14,200.00	7,731.86	7,961.00	7,879.64	138.92	22.01	91.95	-2,905.52	-11,050.47	7,700.50	7,630.19	70.31	109.526		
14,300.00	7,731.68	7,961.00	7,879.64	140.29	22.01	91.95	-2,905.52	-11,050.47	7,796.55	7,726.13	70.42	110.711		
14,400.00	7,731.49	7,961.00	7,879.64	141.69	22.01	91.95	-2,905.52	-11,050.47	7,892.71	7,822.16	70.54	111.885		
14,500.00	7,731.31	7,961.00	7,879.64	143.14	22.01	91.95	-2,905.52	-11,050.47	7,988.95	7,918.28	70.67	113.050		
14,600.00	7,731.12	7,961.00	7,879.64	144.62	22.01	91.95	-2,905.52	-11,050.47	8,085.29	8,014.49	70.80	114.205		
14,700.00	7,730.94	7,961.00	7,879.64	146.13	22.01	91.95	-2,905.52	-11,050.47	8,181.71	8,110.78	70.93	115.352		
14,800.00	7,730.76	7,961.00	7,879.64	147.68	22.01	91.95	-2,905.52	-11,050.47	8,278.22	8,207.16	71.06	116.490		
14,900.00	7,730.57	7,961.00	7,879.64	149.26	22.01	91.95	-2,905.52	-11,050.47	8,374.81	8,303.61	71.20	117.621		
15,000.00	7,730.39	7,961.00	7,879.64	150.88	22.01	91.95	-2,905.52	-11,050.47	8,471.48	8,400.14	71.34	118.744		
15,100.00	7,730.20	7,961.00	7,879.64	152.52	22.01	91.95	-2,905.52	-11,050.47	8,568.23	8,496.75	71.49	119.860		
15,200.00	7,730.02	7,961.00	7,879.64	154.20	22.01	91.95	-2,905.52	-11,050.47	8,665.05	8,593.42	71.63	120.969		
15,300.00	7,729.83	7,961.00	7,879.64	155.90	22.01	91.95	-2,905.52	-11,050.47	8,761.94	8,690.17	71.78	122.072		
15,400.00	7,729.65	7,961.00	7,879.64	157.63	22.01	91.95	-2,905.52	-11,050.47	8,858.91	8,786.98	71.92	123.170		
15,500.00	7,729.47	7,961.00	7,879.64	159.39	22.01	91.95	-2,905.52	-11,050.47	8,955.93	8,883.86	72.07	124.261		
15,600.00	7,729.28	7,961.00	7,879.64	161.18	22.01	91.95	-2,905.52	-11,050.47	9,053.03	8,980.80	72.22	125.347		
15,700.00	7,729.10	7,961.00	7,879.64	162.99	22.01	91.95	-2,905.52	-11,050.47	9,150.18	9,077.81	72.37	126.428		
15,800.00	7,728.91	7,961.00	7,879.64	164.82	22.01	91.95	-2,905.52	-11,050.47	9,247.40	9,174.87	72.53	127.505		
15,900.00	7,728.73	7,961.00	7,879.64	166.68	22.01	91.95	-2,905.52	-11,050.47	9,344.67	9,271.99	72.68	128.576		
16,000.00	7,728.54	7,961.00	7,879.64	168.56	22.01	91.95	-2,905.52	-11,050.47	9,442.00	9,369.17	72.83	129.644		
16,100.00	7,728.36	7,961.00	7,879.64	170.46	22.01	91.95	-2,905.52	-11,050.47	9,539.39	9,466.41	72.98	130.707		
16,200.00	7,728.18	7,961.00	7,879.64	172.39	22.01	91.95	-2,905.52	-11,050.47	9,636.83	9,563.70	73.14	131.767		
16,300.00	7,727.99	7,961.00	7,879.64	174.33	22.01	91.95	-2,905.52	-11,050.47	9,734.32	9,661.04	73.29	132.822		
16,400.00	7,727.81	7,961.00	7,879.64	176.30	22.01	91.95	-2,905.52	-11,050.47	9,831.87	9,758.43	73.44	133.875		
16,500.00	7,727.62	7,961.00	7,879.64	178.28	22.01	91.95	-2,905.52	-11,050.47	9,929.46	9,855.87	73.59	134.923		
16,600.00	7,727.44	7,961.00	7,879.64	180.29	22.01	91.95	-2,905.52	-11,050.47	10,027.10	9,953.35	73.75	135.969		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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							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	-154.32	-2,898.22	-1,393.29	8,329.95					
100.00	100.00	17,548.00	7,745.22	0.27	267.01	-154.32	-2,898.22	-1,393.29	8,237.79	8,117.02	120.77	68.208		
200.00	200.00	17,548.00	7,745.22	0.63	267.01	-154.32	-2,898.22	-1,393.29	8,145.82	8,024.27	121.55	67.015		
300.00	300.00	17,548.00	7,745.22	0.99	267.01	-154.32	-2,898.22	-1,393.29	8,054.04	7,931.68	122.36	65.820		
400.00	399.98	17,548.00	7,745.22	1.34	267.01	-106.45	-2,898.22	-1,393.29	7,962.62	7,839.39	123.23	64.614		
500.00	499.84	17,548.00	7,745.22	1.70	267.01	-110.56	-2,898.22	-1,393.29	7,871.83	7,747.64	124.19	63.386		
514.88	514.68	17,548.00	7,745.22	1.76	267.01	-111.15	-2,898.22	-1,393.29	7,858.38	7,734.04	124.33	63.203		
600.00	599.56	17,548.00	7,745.22	2.07	267.01	-111.15	-2,898.22	-1,393.29	7,781.58	7,656.36	125.22	62.143		
700.00	699.28	17,548.00	7,745.22	2.44	267.01	-111.15	-2,898.22	-1,393.29	7,691.57	7,565.27	126.30	60.900		
800.00	799.00	17,548.00	7,745.22	2.81	267.01	-111.15	-2,898.22	-1,393.29	7,601.82	7,474.40	127.42	59.661		
900.00	898.72	17,548.00	7,745.22	3.18	267.01	-111.15	-2,898.22	-1,393.29	7,512.32	7,383.75	128.58	58.426		
1,000.00	998.43	17,548.00	7,745.22	3.55	267.01	-111.15	-2,898.22	-1,393.29	7,423.10	7,293.32	129.78	57.199		
1,100.00	1,098.15	17,548.00	7,745.22	3.93	267.01	-111.15	-2,898.22	-1,393.29	7,334.15	7,203.13	131.02	55.978		
1,200.00	1,197.87	17,548.00	7,745.22	4.31	267.01	-111.15	-2,898.22	-1,393.29	7,245.49	7,113.19	132.30	54.766		
1,300.00	1,297.59	17,548.00	7,745.22	4.68	267.01	-111.15	-2,898.22	-1,393.29	7,157.12	7,023.50	133.62	53.563		
1,400.00	1,397.31	17,548.00	7,745.22	5.06	267.01	-111.15	-2,898.22	-1,393.29	7,069.07	6,934.09	134.98	52.370		
1,500.00	1,497.03	17,548.00	7,745.22	5.44	267.01	-111.15	-2,898.22	-1,393.29	6,981.34	6,844.95	136.39	51.188		
1,600.00	1,596.75	17,548.00	7,745.22	5.81	267.01	-111.15	-2,898.22	-1,393.29	6,893.95	6,756.11	137.83	50.017		
1,700.00	1,696.47	17,548.00	7,745.22	6.19	267.01	-111.15	-2,898.22	-1,393.29	6,806.90	6,667.58	139.32	48.858		
1,800.00	1,796.19	17,548.00	7,745.22	6.57	267.01	-111.15	-2,898.22	-1,393.29	6,720.21	6,579.36	140.85	47.712		
1,900.00	1,895.90	17,548.00	7,745.22	6.94	267.01	-111.15	-2,898.22	-1,393.29	6,633.89	6,491.47	142.42	46.579		
2,000.00	1,995.62	17,548.00	7,745.22	7.32	267.01	-111.15	-2,898.22	-1,393.29	6,547.97	6,403.93	144.04	45.459		
2,100.00	2,095.34	17,548.00	7,745.22	7.70	267.01	-111.15	-2,898.22	-1,393.29	6,462.45	6,316.75	145.70	44.353		
2,200.00	2,195.06	17,548.00	7,745.22	8.08	267.01	-111.15	-2,898.22	-1,393.29	6,377.35	6,229.94	147.41	43.262		
2,300.00	2,294.78	17,548.00	7,745.22	8.45	267.01	-111.15	-2,898.22	-1,393.29	6,292.69	6,143.52	149.17	42.185		
2,400.00	2,394.50	17,548.00	7,745.22	8.83	267.01	-111.15	-2,898.22	-1,393.29	6,208.49	6,057.52	150.97	41.124		
2,500.00	2,494.22	17,548.00	7,745.22	9.21	267.01	-111.15	-2,898.22	-1,393.29	6,124.76	5,971.94	152.82	40.077		
2,600.00	2,593.94	17,548.00	7,745.22	9.59	267.01	-111.15	-2,898.22	-1,393.29	6,041.53	5,886.80	154.73	39.047		
2,700.00	2,693.65	17,548.00	7,745.22	9.97	267.01	-111.15	-2,898.22	-1,393.29	5,958.81	5,802.13	156.68	38.032		
2,800.00	2,793.37	17,548.00	7,745.22	10.34	267.01	-111.15	-2,898.22	-1,393.29	5,876.63	5,717.94	158.68	37.034		
2,900.00	2,893.09	17,548.00	7,745.22	10.72	267.01	-111.15	-2,898.22	-1,393.29	5,795.01	5,634.27	160.74	36.052		
3,000.00	2,992.81	17,548.00	7,745.22	11.10	267.01	-111.15	-2,898.22	-1,393.29	5,713.97	5,551.12	162.85	35.087		
3,100.00	3,092.53	17,548.00	7,745.22	11.48	267.01	-111.15	-2,898.22	-1,393.29	5,633.54	5,468.53	165.01	34.140		
3,200.00	3,192.25	17,548.00	7,745.22	11.86	267.01	-111.15	-2,898.22	-1,393.29	5,553.75	5,386.52	167.23	33.210		
3,300.00	3,291.97	17,548.00	7,745.22	12.23	267.01	-111.15	-2,898.22	-1,393.29	5,474.63	5,305.12	169.51	32.297		
3,400.00	3,391.69	17,548.00	7,745.22	12.61	267.01	-111.15	-2,898.22	-1,393.29	5,396.19	5,224.35	171.84	31.402		
3,500.00	3,491.41	17,548.00	7,745.22	12.99	267.01	-111.15	-2,898.22	-1,393.29	5,318.48	5,144.25	174.23	30.525		
3,600.00	3,591.12	17,548.00	7,745.22	13.37	267.01	-111.15	-2,898.22	-1,393.29	5,241.53	5,064.85	176.68	29.667		
3,700.00	3,690.84	17,548.00	7,745.22	13.75	267.01	-111.15	-2,898.22	-1,393.29	5,165.36	4,986.18	179.18	28.827		
3,800.00	3,790.56	17,548.00	7,745.22	14.13	267.01	-111.15	-2,898.22	-1,393.29	5,090.02	4,908.27	181.75	28.006		
3,900.00	3,890.28	17,548.00	7,745.22	14.50	267.01	-111.15	-2,898.22	-1,393.29	5,015.54	4,831.17	184.37	27.204		
4,000.00	3,990.00	17,548.00	7,745.22	14.88	267.01	-111.15	-2,898.22	-1,393.29	4,941.96	4,754.91	187.05	26.420		
4,100.00	4,089.72	17,548.00	7,745.22	15.26	267.01	-111.15	-2,898.22	-1,393.29	4,869.33	4,679.54	189.79	25.656		
4,200.00	4,189.44	17,548.00	7,745.22	15.64	267.01	-111.15	-2,898.22	-1,393.29	4,797.68	4,605.09	192.59	24.912		
4,300.00	4,289.16	17,548.00	7,745.22	16.02	267.01	-111.15	-2,898.22	-1,393.29	4,727.06	4,531.62	195.44	24.187		
4,400.00	4,388.87	17,548.00	7,745.22	16.39	267.01	-111.15	-2,898.22	-1,393.29	4,657.51	4,459.17	198.34	23.482		
4,500.00	4,488.59	17,548.00	7,745.22	16.77	267.01	-111.15	-2,898.22	-1,393.29	4,589.09	4,387.79	201.30	22.797		
4,600.00	4,588.31	17,548.00	7,745.22	17.15	267.01	-111.15	-2,898.22	-1,393.29	4,521.85	4,317.54	204.31	22.132		
4,700.00	4,688.03	17,548.00	7,745.22	17.53	267.01	-111.15	-2,898.22	-1,393.29	4,455.84	4,248.46	207.38	21.487		
4,800.00	4,787.75	17,548.00	7,745.22	17.91	267.01	-111.15	-2,898.22	-1,393.29	4,391.11	4,180.63	210.48	20.862		
4,900.00	4,887.47	17,548.00	7,745.22	18.29	267.01	-111.15	-2,898.22	-1,393.29	4,327.73	4,114.10	213.63	20.258		
5,000.00	4,987.19	17,548.00	7,745.22	18.66	267.01	-111.15	-2,898.22	-1,393.29	4,265.74	4,048.93	216.82	19.674		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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						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	5,086.91	17,548.00	7,745.22	19.04	267.01	-111.15	-2,898.22	-1,393.29	4,205.23	3,985.19	220.04	19.111			
5,200.00	5,186.63	17,548.00	7,745.22	19.42	267.01	-111.15	-2,898.22	-1,393.29	4,146.24	3,922.95	223.29	18.569			
5,300.00	5,286.34	17,548.00	7,745.22	19.80	267.01	-111.15	-2,898.22	-1,393.29	4,088.84	3,862.29	226.56	18.048			
5,400.00	5,386.06	17,548.00	7,745.22	20.18	267.01	-111.15	-2,898.22	-1,393.29	4,033.11	3,803.27	229.84	17.547			
5,500.00	5,485.78	17,548.00	7,745.22	20.56	267.01	-111.15	-2,898.22	-1,393.29	3,979.11	3,745.97	233.14	17.067			
5,600.00	5,585.50	17,548.00	7,745.22	20.93	267.01	-111.15	-2,898.22	-1,393.29	3,926.92	3,690.48	236.44	16.609			
5,700.00	5,685.22	17,548.00	7,745.22	21.31	267.01	-111.15	-2,898.22	-1,393.29	3,876.60	3,636.88	239.72	16.171			
5,800.00	5,784.94	17,548.00	7,745.22	21.69	267.01	-111.15	-2,898.22	-1,393.29	3,828.24	3,585.25	242.99	15.755			
5,900.00	5,884.66	17,548.00	7,745.22	22.07	267.01	-111.15	-2,898.22	-1,393.29	3,781.90	3,535.67	246.23	15.359			
6,000.00	5,984.38	17,548.00	7,745.22	22.45	267.01	-111.15	-2,898.22	-1,393.29	3,737.66	3,488.24	249.43	14.985			
6,100.00	6,084.09	17,548.00	7,745.22	22.83	267.01	-111.15	-2,898.22	-1,393.29	3,695.60	3,443.03	252.57	14.632			
6,200.00	6,183.81	17,548.00	7,745.22	23.20	267.01	-111.15	-2,898.22	-1,393.29	3,655.80	3,400.14	255.66	14.300			
6,300.00	6,283.53	17,548.00	7,745.22	23.58	267.01	-111.15	-2,898.22	-1,393.29	3,618.31	3,359.65	258.66	13.989			
6,400.00	6,383.25	17,548.00	7,745.22	23.96	267.01	-111.15	-2,898.22	-1,393.29	3,583.23	3,321.66	261.57	13.699			
6,500.00	6,482.97	17,548.00	7,745.22	24.34	267.01	-111.15	-2,898.22	-1,393.29	3,550.62	3,286.24	264.38	13.430			
6,600.00	6,582.69	17,548.00	7,745.22	24.72	267.01	-111.15	-2,898.22	-1,393.29	3,520.55	3,253.48	267.07	13.182			
6,700.00	6,682.41	17,548.00	7,745.22	25.09	267.01	-111.15	-2,898.22	-1,393.29	3,493.08	3,223.46	269.62	12.955			
6,800.00	6,782.13	17,548.00	7,745.22	25.47	267.01	-111.15	-2,898.22	-1,393.29	3,468.28	3,196.25	272.03	12.750			
6,900.00	6,881.84	17,548.00	7,745.22	25.85	267.01	-111.15	-2,898.22	-1,393.29	3,446.20	3,171.92	274.28	12.564			
7,000.00	6,981.56	17,548.00	7,745.22	26.23	267.01	-111.15	-2,898.22	-1,393.29	3,426.91	3,150.55	276.36	12.400			
7,100.00	7,081.28	17,548.00	7,745.22	26.61	267.01	-111.15	-2,898.22	-1,393.29	3,410.43	3,132.18	278.25	12.257			
7,200.00	7,181.00	17,548.00	7,745.22	26.99	267.01	-111.15	-2,898.22	-1,393.29	3,396.82	3,116.87	279.95	12.133			
7,222.08	7,203.02	17,548.00	7,745.22	27.07	267.01	-111.15	-2,898.22	-1,393.29	3,394.21	3,113.90	280.30	12.109			
7,250.00	7,230.81	17,548.00	7,745.22	27.18	267.01	-97.16	-2,898.22	-1,393.29	3,390.92	3,110.18	280.75	12.078			
7,300.00	7,280.16	17,548.00	7,745.22	27.39	267.01	-88.29	-2,898.22	-1,393.29	3,384.72	3,103.14	281.58	12.020			
7,350.00	7,328.67	17,548.00	7,745.22	27.61	267.01	-85.08	-2,898.22	-1,393.29	3,378.15	3,095.68	282.47	11.959			
7,400.00	7,375.96	17,548.00	7,745.22	27.86	267.01	-83.70	-2,898.22	-1,393.29	3,371.26	3,087.86	283.40	11.896			
7,450.00	7,421.67	17,548.00	7,745.22	28.12	267.01	-83.14	-2,898.22	-1,393.29	3,364.09	3,079.72	284.37	11.830			
7,500.00	7,465.45	17,548.00	7,745.22	28.40	267.01	-83.02	-2,898.22	-1,393.29	3,356.71	3,071.33	285.38	11.762			
7,550.00	7,506.97	17,548.00	7,745.22	28.70	267.01	-83.16	-2,898.22	-1,393.29	3,349.16	3,062.74	286.42	11.693			
7,600.00	7,545.92	17,548.00	7,745.22	29.02	267.01	-83.47	-2,898.22	-1,393.29	3,341.51	3,054.01	287.50	11.623			
7,650.00	7,582.00	17,548.00	7,745.22	29.37	267.01	-83.90	-2,898.22	-1,393.29	3,333.80	3,045.20	288.60	11.552			
7,700.00	7,614.93	17,548.00	7,745.22	29.76	267.01	-84.41	-2,898.22	-1,393.29	3,326.11	3,036.38	289.73	11.480			
7,750.00	7,644.47	17,548.00	7,745.22	30.18	267.01	-84.97	-2,898.22	-1,393.29	3,318.48	3,027.60	290.88	11.408			
7,800.00	7,670.38	17,548.00	7,745.22	30.64	267.01	-85.56	-2,898.22	-1,393.29	3,310.98	3,018.92	292.06	11.337			
7,850.00	7,692.48	17,548.00	7,745.22	31.14	267.01	-86.17	-2,898.22	-1,393.29	3,303.67	3,010.41	293.26	11.265			
7,900.00	7,710.59	17,548.00	7,745.22	31.68	267.01	-86.79	-2,898.22	-1,393.29	3,296.59	3,002.13	294.46	11.195			
7,950.00	7,724.57	17,548.00	7,745.22	32.27	267.01	-87.40	-2,898.22	-1,393.29	3,289.82	2,994.14	295.68	11.126			
8,000.00	7,734.32	17,548.00	7,745.22	32.89	267.01	-88.00	-2,898.22	-1,393.29	3,283.39	2,986.50	296.89	11.059			
8,050.00	7,739.77	17,548.00	7,745.22	33.54	267.01	-88.58	-2,898.22	-1,393.29	3,277.37	2,979.28	298.09	10.995			
8,085.63	7,741.00	17,548.00	7,745.22	34.02	267.01	-88.98	-2,898.22	-1,393.29	3,273.35	2,974.42	298.93	10.950			
8,100.00	7,741.05	17,548.00	7,745.22	34.22	267.01	-88.98	-2,898.22	-1,393.29	3,271.81	2,972.55	299.26	10.933			
8,200.00	7,741.40	17,548.00	7,745.22	35.69	267.01	-88.98	-2,898.22	-1,393.29	3,262.81	2,961.27	301.54	10.820			
8,300.00	7,741.75	17,548.00	7,745.22	37.30	267.01	-88.98	-2,898.22	-1,393.29	3,256.86	2,953.16	303.70	10.724			
8,400.00	7,742.10	17,548.00	7,745.22	39.03	267.01	-88.98	-2,898.22	-1,393.29	3,253.98	2,948.26	305.71	10.644			
8,443.95	7,742.25	17,548.00	7,745.22	39.84	267.01	-88.98	-2,898.22	-1,393.29	3,253.68	2,947.12	306.56	10.614			
8,500.00	7,742.44	17,548.00	7,745.22	40.86	267.01	-88.98	-2,898.22	-1,393.29	3,254.17	2,946.60	307.56	10.581			
8,600.00	7,742.79	17,520.86	7,748.87	42.79	266.30	-89.04	-2,898.83	-1,420.17	3,257.31	2,948.70	308.61	10.555			
8,700.00	7,743.14	17,388.56	7,765.92	44.80	262.80	-89.33	-2,901.33	-1,551.34	3,260.97	2,953.72	307.25	10.613			
8,800.00	7,743.49	17,254.88	7,780.00	46.87	259.25	-89.57	-2,902.03	-1,684.28	3,263.24	2,957.37	305.87	10.669			
8,900.00	7,743.84	17,148.07	7,788.80	49.01	256.40	-89.72	-2,902.14	-1,790.72	3,265.20	2,960.02	305.18	10.699			
9,000.00	7,744.19	17,013.57	7,796.97	51.20	252.80	-89.86	-2,901.43	-1,924.97	3,266.57	2,962.75	303.82	10.752			

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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		
9,100.00	7,744.54	16,901.94	7,803.00	53.43	249.80	-89.96	-2,899.92	-2,036.42	3,267.10	2,964.01	303.08	10.780		
9,200.00	7,744.89	16,802.91	7,807.29	55.71	247.15	-90.03	-2,898.51	-2,135.35	3,267.57	2,964.86	302.71	10.794		
9,300.00	7,745.23	16,690.74	7,809.83	58.02	244.13	-90.06	-2,896.54	-2,247.47	3,267.70	2,965.68	302.02	10.819		
9,400.00	7,745.58	16,595.99	7,811.40	60.37	241.59	-90.08	-2,894.87	-2,342.19	3,267.84	2,966.01	301.83	10.827		
9,500.00	7,745.93	16,511.58	7,812.22	62.74	239.32	-90.09	-2,893.55	-2,426.59	3,268.19	2,966.27	301.93	10.824		
9,600.00	7,746.28	16,442.84	7,812.98	65.14	237.47	-90.10	-2,893.06	-2,495.32	3,269.38	2,966.92	302.45	10.810		
9,700.00	7,746.63	16,301.00	7,815.36	67.56	233.67	-90.14	-2,891.66	-2,637.14	3,270.24	2,969.13	301.11	10.861		
9,800.00	7,746.98	16,222.92	7,816.43	70.01	231.57	-90.15	-2,890.48	-2,715.20	3,270.70	2,969.26	301.44	10.850		
9,900.00	7,747.33	16,159.00	7,816.64	72.47	229.85	-90.15	-2,890.52	-2,779.11	3,272.53	2,970.39	302.13	10.831		
10,000.00	7,747.67	16,117.62	7,816.68	74.94	228.75	-90.15	-2,891.14	-2,820.49	3,275.72	2,972.38	303.34	10.799		
10,100.00	7,748.02	16,061.80	7,817.13	77.43	227.25	-90.15	-2,892.67	-2,876.29	3,280.34	2,976.19	304.15	10.785		
10,200.00	7,748.37	15,943.64	7,817.30	79.94	224.09	-90.15	-2,896.18	-2,994.40	3,285.18	2,981.61	303.57	10.822		
10,300.00	7,748.72	15,874.00	7,818.18	82.46	222.23	-90.16	-2,898.28	-3,063.99	3,290.17	2,986.10	304.08	10.820		
10,400.00	7,749.07	15,795.28	7,820.16	84.98	220.13	-90.19	-2,901.27	-3,142.63	3,295.93	2,991.55	304.38	10.828		
10,500.00	7,749.42	15,734.04	7,821.41	87.52	218.49	-90.21	-2,904.28	-3,203.79	3,302.76	2,997.73	305.03	10.828		
10,600.00	7,749.77	15,448.37	7,821.62	90.07	210.87	-90.19	-2,914.76	-3,489.17	3,310.06	3,009.27	300.78	11.005		
10,700.00	7,750.11	15,341.41	7,824.07	92.62	208.00	-90.23	-2,914.46	-3,596.10	3,311.67	3,011.19	300.49	11.021		
10,800.00	7,750.46	15,253.01	7,824.43	95.19	205.63	-90.23	-2,914.33	-3,684.50	3,313.43	3,012.77	300.66	11.021		
10,900.00	7,750.81	15,164.43	7,823.76	97.76	203.25	-90.21	-2,914.59	-3,773.07	3,315.61	3,014.78	300.83	11.022		
11,000.00	7,751.16	15,068.99	7,823.35	100.34	200.70	-90.20	-2,915.07	-3,868.51	3,318.01	3,017.17	300.83	11.029		
11,100.00	7,751.51	14,957.45	7,823.75	102.92	197.71	-90.20	-2,915.60	-3,980.05	3,320.39	3,019.93	300.46	11.051		
11,200.00	7,751.86	14,878.45	7,824.60	105.51	195.59	-90.21	-2,915.83	-4,059.04	3,322.63	3,021.75	300.88	11.043		
11,300.00	7,752.21	14,807.80	7,824.66	108.11	193.70	-90.20	-2,916.82	-4,129.69	3,325.89	3,024.41	301.48	11.032		
11,400.00	7,752.55	14,627.99	7,826.86	110.70	188.89	-90.23	-2,918.45	-4,309.46	3,329.01	3,029.52	299.49	11.116		
11,500.00	7,752.90	14,546.00	7,829.44	113.31	186.69	-90.27	-2,918.24	-4,391.40	3,330.64	3,030.77	299.86	11.107		
11,527.76	7,753.00	14,530.13	7,829.88	114.03	186.27	-90.28	-2,918.27	-4,407.27	3,331.20	3,031.07	300.13	11.099		
11,550.00	7,753.07	14,508.98	7,830.38	114.61	185.70	-90.28	-2,918.32	-4,428.41	3,331.24	3,031.10	300.14	11.099		
11,600.00	7,753.18	14,461.55	7,831.18	115.90	184.43	-90.28	-2,918.46	-4,475.84	3,328.22	3,028.06	300.16	11.088		
11,650.00	7,753.23	14,403.01	7,831.79	117.15	182.86	-90.31	-2,918.58	-4,534.38	3,320.82	3,020.95	299.88	11.074		
11,700.00	7,753.20	14,346.76	7,832.44	118.36	181.36	-90.35	-2,918.52	-4,590.62	3,308.99	3,009.38	299.61	11.044		
11,750.00	7,753.11	14,306.91	7,833.30	119.50	180.29	-90.41	-2,918.49	-4,630.46	3,292.98	2,993.29	299.69	10.988		
11,800.00	7,752.95	14,261.00	7,834.93	120.58	179.06	-90.52	-2,918.56	-4,676.34	3,273.03	2,973.47	299.56	10.926		
11,850.00	7,752.73	14,232.39	7,836.05	121.58	178.30	-90.63	-2,918.67	-4,704.93	3,249.24	2,949.46	299.78	10.839		
11,900.00	7,752.44	14,198.38	7,837.09	122.49	177.39	-90.78	-2,918.88	-4,738.92	3,221.83	2,922.04	299.79	10.747		
11,950.00	7,752.10	14,157.62	7,837.93	123.31	176.30	-90.96	-2,919.23	-4,779.67	3,190.96	2,891.43	299.54	10.653		
12,000.00	7,751.69	14,048.88	7,839.21	124.03	173.39	-91.24	-2,918.40	-4,888.39	3,155.97	2,858.55	297.42	10.611		
12,050.00	7,751.22	14,021.96	7,839.20	124.65	172.67	-91.52	-2,918.00	-4,915.32	3,117.98	2,820.66	297.32	10.487		
12,100.00	7,750.71	13,997.76	7,839.03	125.18	172.02	-91.88	-2,917.68	-4,939.51	3,077.35	2,780.16	297.20	10.355		
12,150.00	7,750.14	13,975.43	7,838.72	125.62	171.42	-92.35	-2,917.42	-4,961.84	3,034.38	2,737.36	297.02	10.216		
12,200.00	7,749.53	13,920.34	7,837.70	125.96	169.94	-93.09	-2,916.50	-5,016.91	2,989.24	2,693.40	295.84	10.104		
12,250.00	7,748.89	13,882.00	7,836.85	126.22	168.92	-94.24	-2,915.49	-5,055.23	2,942.23	2,647.23	295.00	9.974		
12,300.00	7,748.20	13,882.00	7,836.85	126.41	168.92	-96.16	-2,915.49	-5,055.23	2,893.91	2,598.72	295.19	9.803		
12,350.00	7,747.49	13,865.79	7,836.47	126.53	168.48	-100.85	-2,915.02	-5,071.43	2,844.64	2,549.81	294.83	9.648		
12,400.00	7,746.76	13,862.80	7,836.40	126.60	168.40	-122.29	-2,914.94	-5,074.42	2,794.84	2,500.04	294.80	9.481		
12,450.00	7,746.00	13,862.91	7,836.40	126.62	168.41	118.65	-2,914.94	-5,074.30	2,744.87	2,450.07	294.80	9.311		
12,500.00	7,745.23	13,866.18	7,836.48	126.62	168.49	101.13	-2,915.03	-5,071.03	2,695.11	2,400.26	294.85	9.141		
12,550.00	7,744.46	13,882.00	7,836.85	126.59	168.92	97.06	-2,915.49	-5,055.23	2,645.97	2,350.71	295.26	8.962		
12,600.00	7,743.68	13,882.70	7,836.87	126.55	168.94	95.05	-2,915.51	-5,054.52	2,597.77	2,302.58	295.18	8.801		
12,650.00	7,742.91	13,918.72	7,837.67	126.52	169.90	94.10	-2,916.46	-5,018.53	2,550.86	2,254.68	296.18	8.613		
12,700.00	7,742.16	13,961.60	7,838.49	126.50	171.05	93.47	-2,917.25	-4,975.67	2,505.47	2,208.09	297.38	8.425		
12,750.00	7,741.41	13,991.56	7,838.96	126.51	171.85	92.96	-2,917.61	-4,945.71	2,461.91	2,163.71	298.20	8.256		
12,800.00	7,740.69	14,015.96	7,839.17	126.55	172.51	92.55	-2,917.92	-4,921.31	2,420.68	2,121.79	298.89	8.099		

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

Civitas Resources

Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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							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					
12,850.00	7,740.00	14,043.52	7,839.22	126.64	173.25	92.23	-2,918.32	-4,893.75	2,382.11	2,082.40	299.71	7.948					
12,900.00	7,739.34	14,079.08	7,838.98	126.77	174.20	91.97	-2,918.90	-4,858.20	2,346.53	2,045.72	300.81	7.801					
12,950.00	7,738.72	14,143.85	7,838.08	126.95	175.93	91.77	-2,919.06	-4,793.44	2,313.41	2,010.62	302.79	7.640					
12,966.03	7,738.53	14,185.00	7,837.41	127.02	177.03	91.71	-2,918.99	-4,752.30	2,303.52	1,999.55	303.97	7.578					
13,000.00	7,738.13	14,208.26	7,836.82	127.17	177.65	91.71	-2,918.81	-4,729.04	2,282.75	1,978.00	304.75	7.490					
13,100.00	7,736.96	14,277.30	7,834.27	127.65	179.50	91.69	-2,918.52	-4,660.06	2,221.86	1,914.76	307.09	7.235					
13,200.00	7,735.78	14,347.57	7,832.43	128.16	181.38	91.70	-2,918.52	-4,589.81	2,161.31	1,851.81	309.50	6.983					
13,221.13	7,735.54	14,364.41	7,832.22	128.27	181.83	91.70	-2,918.56	-4,572.97	2,148.56	1,838.49	310.06	6.929					
13,250.00	7,735.21	14,391.30	7,831.92	128.44	182.55	91.60	-2,918.58	-4,546.08	2,131.69	1,820.74	310.95	6.855					
13,300.00	7,734.68	14,439.92	7,831.40	128.76	183.85	91.44	-2,918.52	-4,497.46	2,105.26	1,792.68	312.58	6.735					
13,350.00	7,734.22	14,484.92	7,830.84	129.14	185.06	91.30	-2,918.38	-4,452.47	2,082.53	1,768.36	314.17	6.629					
13,400.00	7,733.83	14,530.03	7,829.88	129.57	186.27	91.18	-2,918.27	-4,407.37	2,063.79	1,747.98	315.80	6.535					
13,450.00	7,733.51	14,571.81	7,828.67	130.04	187.38	91.07	-2,918.23	-4,365.60	2,049.22	1,731.82	317.40	6.456					
13,500.00	7,733.25	14,612.06	7,827.39	130.54	188.46	90.98	-2,918.36	-4,325.38	2,039.06	1,720.08	318.98	6.392					
13,550.00	7,733.08	14,673.56	7,825.48	131.06	190.11	90.90	-2,918.67	-4,263.91	2,033.35	1,712.20	321.15	6.331					
13,582.30	7,733.00	14,746.03	7,824.69	131.41	192.05	90.87	-2,917.89	-4,191.46	2,031.44	1,708.11	323.34	6.283					
13,600.00	7,732.97	14,757.15	7,824.66	131.60	192.35	90.87	-2,917.71	-4,180.33	2,030.78	1,706.93	323.85	6.271					
13,700.00	7,732.78	14,848.90	7,824.71	132.71	194.80	90.88	-2,916.16	-4,088.60	2,027.11	1,699.67	327.44	6.191					
13,800.00	7,732.60	14,925.00	7,824.13	133.86	196.84	90.87	-2,915.63	-4,012.50	2,024.40	1,693.72	330.68	6.122					
13,900.00	7,732.41	15,032.88	7,823.35	135.06	199.73	90.85	-2,915.28	-3,904.62	2,022.07	1,687.31	334.76	6.040					
14,000.00	7,732.23	15,131.03	7,823.55	136.31	202.36	90.86	-2,914.74	-3,806.48	2,019.53	1,680.90	338.63	5.964					
14,100.00	7,732.05	15,225.62	7,824.28	137.59	204.90	90.89	-2,914.38	-3,711.89	2,017.16	1,674.70	342.46	5.890					
14,200.00	7,731.86	15,316.57	7,824.34	138.92	207.33	90.90	-2,914.40	-3,620.94	2,015.19	1,668.95	346.24	5.820					
14,300.00	7,731.68	15,416.43	7,822.36	140.29	210.01	90.85	-2,914.71	-3,521.11	2,013.48	1,663.19	350.28	5.748					
14,400.00	7,731.49	15,627.08	7,820.90	141.69	215.65	90.82	-2,910.69	-3,310.55	2,010.23	1,653.60	356.62	5.637					
14,500.00	7,731.31	15,733.08	7,821.42	143.14	218.47	90.84	-2,904.33	-3,204.74	2,002.21	1,641.41	360.80	5.549					
14,600.00	7,731.12	15,806.26	7,819.87	144.62	220.42	90.80	-2,900.80	-3,131.67	1,995.34	1,630.84	364.50	5.474					
14,700.00	7,730.94	15,884.86	7,817.95	146.13	222.52	90.76	-2,897.93	-3,053.15	1,989.67	1,621.38	368.29	5.402					
14,800.00	7,730.76	15,975.53	7,817.40	147.68	224.94	90.75	-2,895.30	-2,962.51	1,984.76	1,612.44	372.32	5.331					
14,900.00	7,730.57	16,080.64	7,816.93	149.26	227.76	90.74	-2,892.07	-2,857.46	1,979.67	1,603.01	376.67	5.256					
15,000.00	7,730.39	16,159.00	7,816.64	150.88	229.85	90.74	-2,890.52	-2,779.11	1,975.60	1,595.08	380.52	5.192					
15,100.00	7,730.20	16,211.37	7,816.52	152.52	231.26	90.74	-2,890.40	-2,726.75	1,973.15	1,589.40	383.75	5.142					
15,200.00	7,730.02	16,290.80	7,815.53	154.20	233.39	90.71	-2,891.50	-2,647.33	1,972.46	1,584.89	387.57	5.089					
15,300.00	7,729.83	16,409.65	7,813.45	155.90	236.58	90.66	-2,892.92	-2,528.51	1,971.66	1,579.21	392.45	5.024					
15,400.00	7,729.65	16,501.00	7,812.32	157.63	239.04	90.63	-2,893.43	-2,437.16	1,970.24	1,573.59	396.64	4.967					
15,500.00	7,729.47	16,588.88	7,811.49	159.39	241.40	90.61	-2,894.75	-2,349.30	1,969.71	1,568.95	400.76	4.915					
15,600.00	7,729.28	16,685.76	7,809.92	161.18	244.00	90.57	-2,896.45	-2,252.44	1,969.45	1,564.30	405.15	4.861					
15,700.00	7,729.10	16,791.86	7,807.64	162.99	246.85	90.51	-2,898.34	-2,146.39	1,969.23	1,559.42	409.81	4.805					
15,800.00	7,728.91	16,893.16	7,803.46	164.82	249.57	90.39	-2,899.79	-2,045.19	1,968.62	1,554.27	414.36	4.751					
15,900.00	7,728.73	16,998.55	7,797.76	166.68	252.39	90.23	-2,901.26	-1,939.96	1,968.00	1,548.97	419.03	4.697					
16,000.00	7,728.54	17,118.26	7,790.85	168.56	255.60	90.04	-2,902.10	-1,820.45	1,966.70	1,542.64	424.06	4.638					
16,100.00	7,728.36	17,224.93	7,782.69	170.46	258.45	89.81	-2,902.08	-1,714.10	1,964.69	1,535.92	428.77	4.582					
16,200.00	7,728.18	17,332.17	7,772.29	172.39	261.30	89.51	-2,901.84	-1,607.37	1,962.53	1,529.04	433.48	4.527					
16,300.00	7,727.99	17,458.34	7,757.22	174.33	264.65	89.07	-2,900.21	-1,482.11	1,959.37	1,520.83	438.54	4.468					
16,400.00	7,727.81	17,548.00	7,745.22	176.30	267.01	88.73	-2,898.22	-1,393.29	1,955.44	1,512.56	442.88	4.415					
16,462.64	7,727.69	17,548.00	7,745.22	177.54	267.01	88.73	-2,898.22	-1,393.29	1,954.44	1,510.10	444.34	4.399 CC					
16,500.00	7,727.62	17,548.00	7,745.22	178.28	267.01	88.73	-2,898.22	-1,393.29	1,954.80	1,509.80	445.00	4.393 ES, SF					
16,600.00	7,727.44	17,548.00	7,745.22	180.29	267.01	88.73	-2,898.22	-1,393.29	1,959.26	1,513.25	446.01	4.393					
16,700.00	7,727.25	17,548.00	7,745.22	182.31	267.01	88.73	-2,898.22	-1,393.29	1,968.80	1,522.88	445.92	4.415					
16,800.00	7,727.07	17,548.00	7,745.22	184.35	267.01	88.73	-2,898.22	-1,393.29	1,983.34	1,538.59	444.75	4.459					
16,837.81	7,727.00	17,548.00	7,745.22	185.12	267.01	88.73	-2,898.22	-1,393.29	1,990.12	1,546.08	444.04	4.482					

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

Civitas Resources

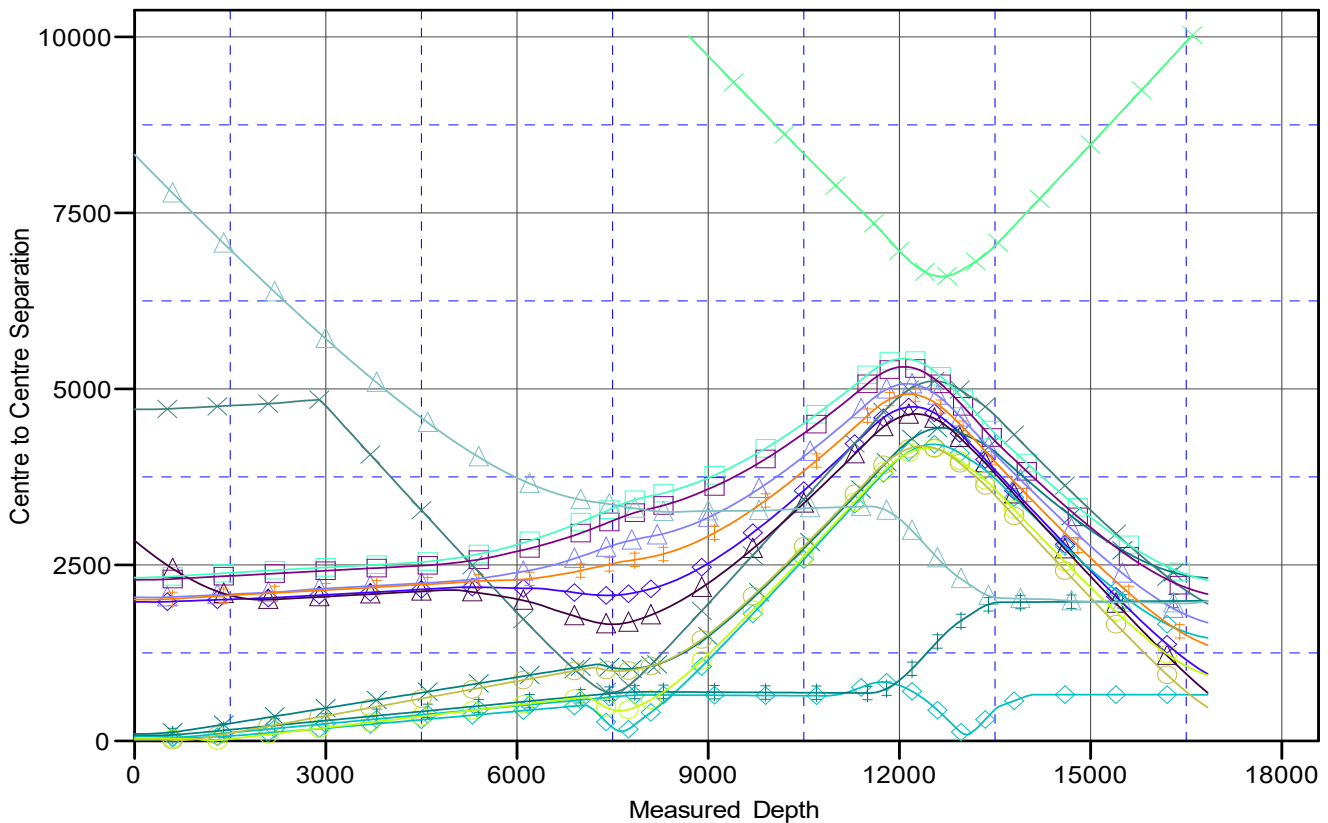
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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 1B2BUH
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: 0.57°

Ladder Plot



LEGEND

- EXIST HZLUSSING TRUST 4-64 19-20 3C2H, OMB, FINAL SURVEY V0
- EXIST HZLUSSING TRUST 4-64 19-20 3D1H, OMB, FINAL SURVEY V0
- GRIMM MOTOCROSS 4-65 24 2A3AH, OMB, PROPOSAL 2 V0
- GRIMM MOTOCROSS 4-65 24 2A3AH, OMB, PROPOSAL 1 V0
- EXIST HZLUSSING TRUST 4-64 19-20 4C3H, OMB, FINAL SURVEY V0
- EXIST HZLUSSING TRUST 4-64 19-20 3D3H, OMB, FINAL SURVEY V0
- EXIST HZLUSSING TRUST 4-64 19-20 4D2H, OMB, FINAL SURVEY V0
- LUSSEINGTRUST 4-64 19-20 2AH, OMB, PROPOSAL 1 V0
- LUSSEINGTRUST 4-64 19-20 2BH, OMB, PROPOSAL 1 V0
- EXIST HZGRIMM MOTOCROSS 4-65 23-24 1H OMB, FINAL SURVEY V0
- EXIST HZGRIMM MOTOCROSS 4-65 23-24 1H STK 1, STK 1 FINAL SURVEY V0

Civitas Resources

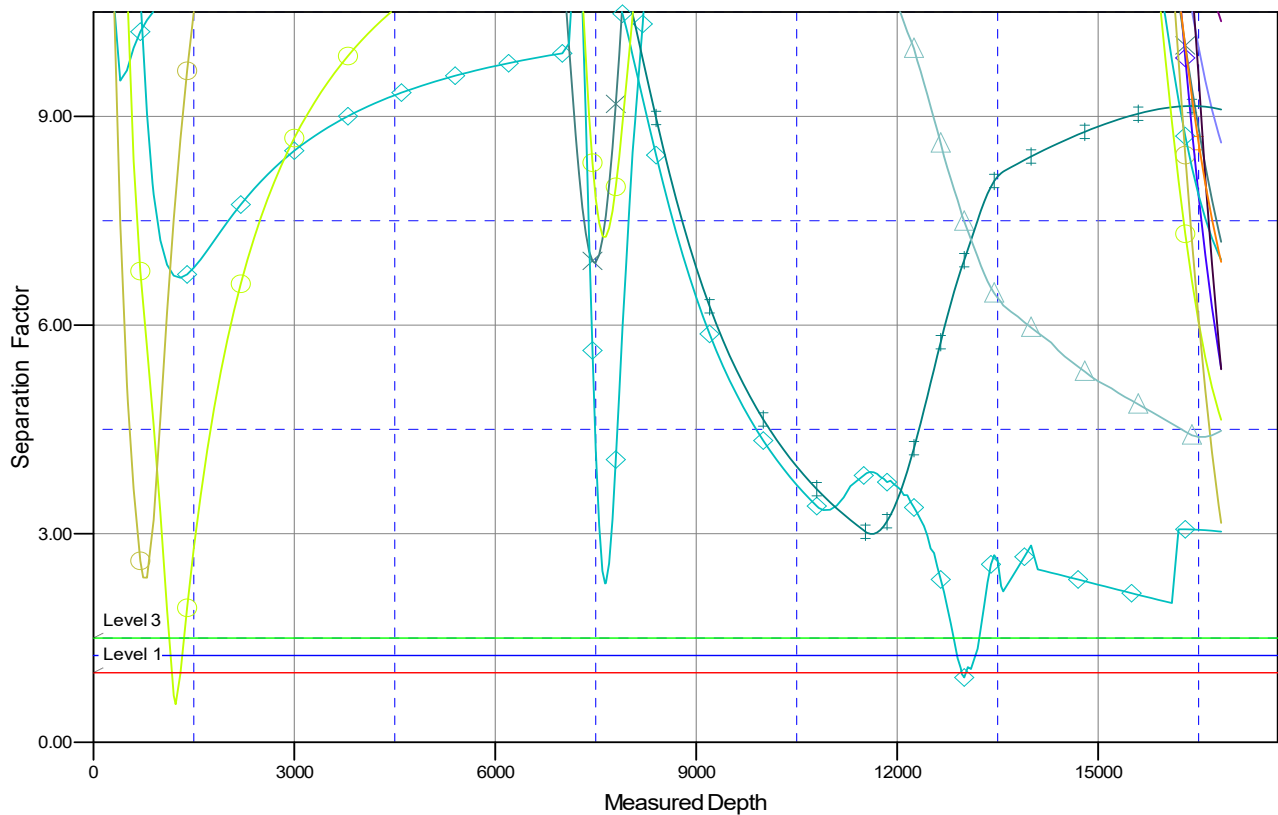
Anticollision Report

Company:	CRESTONE PEAK RESOURCES	Local Co-ordinate Reference:	Well GRIMM MOTOCROSS 4-65 24 1B2BUH
Project:	ARAPAHOE COUNTY	TVD Reference:	KB 25' @ 5721.00usft
Reference Site:	SEC 19-T4S-R64W	MD Reference:	KB 25' @ 5721.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	GRIMM MOTOCROSS 4-65 24 1B2BUH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 2	Offset TVD Reference:	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 1B2BUH
 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 WATKINS 4-64 19-1H, OMB, FINAL SURVEY V0
- LUSSING TRUST 4-64 19-20 1B1H, OMB, PROPOSAL 1 V0
- LUSSING TRUST 4-64 19-20 1A1H, OMB, PROPOSAL 1 V0
- EXIST HZ LUSSING TRUST 4-64 19-20 4C1H, OMB, FINAL SURVEY V0
- EXIST HZ LUSSING TRUST 4-64 19-20 3D1H, OMB, FINAL SURVEY V0
- GRIMM MOTOCROSS 4-65 24 2A3AH, OMB, PROPOSAL 2 V0
- GRIMM MOTOCROSS 4-65 24 23 1AH, OMB, PROPOSAL 1 V0
- EXIST HZ LUSSING TRUST 4-64 19-20 4C3H, OMB, FINAL SURVEY V0
- EXIST HZ LUSSING TRUST 4-64 19-20 3D3H, OMB, FINAL SURVEY V0
- EXIST HZ LUSSING TRUST 4-64 19-20 4D2H, OMB, FINAL SURVEY V0
- LUSSING TRUST 4-64 19-20 2AH, OMB, PROPOSAL 1 V0
- EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H, OMB, FINAL SURVEY V0
- EXIST HZ GRIMM MOTOCROSS 4-65 23-24 1H STK 1, STK 1 FINAL SURVEY V0