

Reserve 3-65 35-34 4AH Plan #1 Anti-Collision Summary Report

Analysis Date-24hr Time: May 14, 2020 - 15:30
Client: Crestone Peak Resources
Field: CO, Adams County (NAD 83 NZ)
Structure: Crestone Peak 35-03S-65W (Reserve Pad)
Slot: Reserve 3-65 35-34 4AH
Well: Reserve 3-65 35-34 4AH
Borehole: Original Hole
Scan MD Range: 0.00ft - 18485.74ft

Analysis Method: 3D Least Distance
Reference Trajectory: Reserve 3-65 35-34 4AH Plan #1 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: D&M AntiCollision Standard S002 v5.1/5.2
Min Pts: All local minima indicated.
Version / Patch: 2.10.787.0
Database \ Project: us1164app01\drilling-CO, Adams County 2.10

Trajectory Error Model: ICSWSA0 3-D 95.000% Confidence 2.7955 sigma, for subject well. For offset wells, error model version is specified with each well respectively.

Offset Trajectories Summary

Offset Selection Criteria

Wellhead distance scan: Not performed!
 Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
 - All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		

Results highlighted: Sep-Factor separation <= 1.50 ft

Reserve 3-65 35-34 4BH Plan #1 (Def Plan)

Warning Alert

24.77	20.01	23.79	4.76	N/A	MAS = 6.10 (m)	0.00	0.00	CtCt<=15m<15.00	Enter Alert				
24.77	20.01	23.79	4.76	107073.29	MAS = 6.10 (m)	28.00	28.00		WRP				
24.77	20.01	22.68	4.76	21.50	MAS = 6.10 (m)	240.00	240.00		MinPts				
24.77	20.01	22.61	4.76	20.21	MAS = 6.10 (m)	300.00	300.00		MinPts				
27.90	20.01	17.24	7.89	2.76	MAS = 6.10 (m)	1530.00	1487.87		MINPT-O-EOU				
29.54	20.01	18.00	9.53	2.70	MAS = 6.10 (m)	1600.00	1551.22		MinPt-O-SF				
77.03	23.87	60.79	53.17	4.99	OSF1.50	2280.00	2166.63	OSF<5.00	Exit Alert				
485.45	95.11	421.72	390.34	7.72	OSF1.50	7621.18	7000.47		MinPt-O-SF				
491.33	96.23	426.85	395.10	7.72	OSF1.50	7700.00	7072.12		MinPt-O-SF				
585.07	101.41	517.14	483.66	8.72	OSF1.50	8830.68	7730.00		MinPt-CtCt				
585.15	176.58	467.10	408.57	4.99	OSF1.50	11060.00	7730.00	OSF<5.00	Enter Alert				
585.43	541.33	224.21	44.10	1.62	OSF1.50	18485.74	7730.00		MinPts				

Reserve 3-65 35-34 3CH Plan #1 (Def Plan)

Warning Alert

25.14	20.30	24.15	4.83	N/A	MAS = 6.19 (m)	0.00	0.00	CtCt<=15m<15.00	Enter Alert				
25.14	20.30	24.15	4.83	N/A	MAS = 6.19 (m)	28.00	28.00		WRP				
25.14	20.30	22.98	4.83	20.66	MAS = 6.19 (m)	250.00	250.00		MinPts				
25.14	20.30	22.98	4.84	20.51	MAS = 6.19 (m)	290.00	290.00		MINPT-O-EOU				
25.14	20.30	22.98	4.84	20.50	MAS = 6.19 (m)	300.00	300.00		MinPt-O-SF				
29.44	20.30	20.97	9.13	3.80	MAS = 6.19 (m)	1320.00	1295.29		MINPT-O-EOU				
32.18	20.30	22.53	11.88	3.60	MAS = 6.19 (m)	1420.00	1387.74		MinPt-O-SF				
75.53	23.43	59.58	52.10	4.98	OSF1.50	2080.00	1985.63	OSF<5.00	Exit Alert				
445.62	83.83	389.40	361.79	8.03	OSF1.50	7400.00	6800.30		MinPt-O-SF				
585.42	176.69	467.29	408.75	4.96	OSF1.50	11510.00	7730.00	OSF<5.00	Enter Alert				
585.41	527.16	233.64	58.25	1.67	OSF1.50	18485.74	7730.00		MinPts				

Reserve 3-65 35-34 3BH Plan #1 (Def Plan)

Warning Alert

49.91	32.81	48.92	17.10	N/A	MAS = 10.00 (m)	0.00	0.00		Surface				
49.91	32.81	48.92	17.10	N/A	MAS = 10.00 (m)	28.00	28.00		WRP				
49.91	32.81	47.75	17.10	41.87	MAS = 10.00 (m)	250.00	250.00		MinPts				
49.91	32.81	47.75	17.10	41.65	MAS = 10.00 (m)	270.00	270.00		MINPT-O-EOU				
49.92	32.81	47.76	17.11	41.46	MAS = 10.00 (m)	300.00	300.00		MinPt-O-SF				
50.62	32.81	48.62	17.81	48.82	MAS = 10.00 (m)	580.00	579.27		MINPT-O-EOU				
51.06	32.81	48.56	18.25	33.07	MAS = 10.00 (m)	660.00	658.60		MINPT-O-EOU				
71.07	32.81	62.42	38.26	9.15	MAS = 10.00 (m)	1340.00	1313.89		MinPt-O-SF				
949.60	78.21	897.13	871.39	18.43	OSF1.50	7300.00	6709.79		MinPt-O-SF				
1159.84	348.96	926.87	810.88	5.00	OSF1.50	14860.00	7730.00	OSF<5.00	Enter Alert				
1159.83	534.95	802.87	624.89	3.26	OSF1.50	18485.74	7730.00		MinPts				

Reserve 3-65 35-34 2AH GYRO-MWD 0' to 17727' - PR (Def Survey)

Warning Alert

199.20	32.81	197.39	166.39	N/A	MAS = 10.00 (m)	0.00	0.00		Surface				
198.90	32.81	197.07	166.09	21978.87	MAS = 10.00 (m)	10.00	10.00		MinPts				
198.89	32.81	197.08	166.08	N/A	MAS = 10.00 (m)	28.00	28.00		WRP				
197.30	32.81	194.23	164.49	154.97	MAS = 10.00 (m)	270.00	270.00		MinPts				
197.31	32.81	194.22	164.50	152.32	MAS = 10.00 (m)	280.00	280.00		MINPT-O-EOU				
197.44	32.81	194.30	164.63	147.47	MAS = 10.00 (m)	300.00	300.00		MinPt-O-SF				
403.33	32.81	394.58	370.52	57.90	MAS = 10.00 (m)	1380.00	1350.93		MinPt-O-SF				
452.81	32.81	443.23	420.00	58.07	MAS = 10.00 (m)	1508.75	1468.63		MinPt-O-SF				
651.05	32.81	638.15	618.24	58.55	MAS = 10.00 (m)	1990.00	1904.17		MinPt-O-SF				
1487.30	32.81	1468.34	1454.49	85.60	MAS = 10.00 (m)	3960.00	3687.05		MinPt-O-SF				
2159.62	43.69	2129.95	2115.93	76.92	OSF1.50	5650.00	5216.52		MinPt-O-SF				
2200.48	60.06	2159.91	2140.42	56.42	OSF1.50	6740.00	6202.99		MinPt-CtCt				
2200.55	60.26	2159.83	2140.27	56.22	OSF1.50	6760.00	6221.09		MINPT-O-EOU				
2200.72	60.49	2159.86	2140.23	56.02	OSF1.50	6780.00	6239.19		MinPt-O-SF				
2270.94	66.39	2226.15	2204.55	52.55	OSF1.50	7460.00	6854.60		MinPt-O-ADP				
2368.00	69.85	2320.90	2298.15	52.01	OSF1.50	7850.00	7207.93		MinPts				
2361.81	163.97	2251.96	2197.84	21.80	OSF1.50	10450.00	7730.00		MinPt-CtCt				
2342.41	222.44	2193.58	2119.97	15.90	OSF1.50	11240.00	7730.00		MinPt-CtCt				
2347.67	238.21	2188.33	2109.46	14.87	OSF1.50	11520.00	7730.00		MINPT-O-EOU				
2350.10	240.95	2188.93	2109.15	14.72	OSF1.50	11580.00	7730.00		MinPt-O-ADP				
2356.53	302.57	2154.28	2053.96	11.74	OSF1.50	12290.00	7730.00		MinPt-CtCt				
2352.18	341.11	2124.24	2011.07	10.39	OSF1.50	12790.00	7730.00		MinPt-CtCt				
2364.61	389.13	2104.65	1975.48	9.15	OSF1.50	13490.00	7730.00		MINPT-O-EOU				
2375.14	441.86	2080.03	1933.28	8.09	OSF1.50	14080.00	7730.00		MinPt-CtCt				
2379.15	453.14	2076.53	1926.01	7.90	OSF1.50	14300.00	7730.00		MINPT-O-EOU				
2383.92	458.83	2077.50	1925.10	7.82	OSF1.50	14410.00	7730.00		MinPt-O-ADP				
2329.87	542.42	1967.72	1787.45	6.46	OSF1.50	15370.00	7730.00		MinPt-CtCt				
2330.39	544.05	1967.15	1786.34	6.44	OSF1.50	15430.00	7730.00		MINPT-O-EOU				
2330.81	544.55	1967.24	1786.26	6.43	OSF1.50	15450.00	7730.00		MinPt-O-ADP				
2360.90	570.32	1980.16	1790.59	6.22	OSF1.50	15870.00	7730.00		MinPts				
2371.40	573.71	1988.39	1797.69	6.21	OSF1.50	16000.00	7730.00		MinPt-O-SF				
2413.21	625.88	1995.42	1787.32	5.79	OSF1.50	16430.00	7730.00		MinPt-CtCt				
2357.64	695.17	1893.66	1662.47	5.10	OSF1.50	17320.00	7730.00		MinPt-CtCt				
2359.93	721.13	1878.64	1638.79	4.92	OSF1.50	17520.00	7730.00	OSF<5.00	Enter Alert				

...Reserve 3-65 35-34 4AH\Original Hole\Reserve 3-65 35-34 4AH Plan #1

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	2343.21	739.77	1849.50	1603.44	4.76	OSF1.50	17890.00	7730.00				MinPt-CtCt	
	2344.63	744.24	1847.93	1600.39	4.73	OSF1.50	18000.00	7730.00				MINPT-O-EQU	
	2346.17	746.12	1848.22	1600.05	4.72	OSF1.50	18050.00	7730.00				MinPt-O-ADP	
	2358.13	761.92	1849.65	1596.21	4.65	OSF1.50	18260.00	7730.00				MinPts	
	2345.20	792.96	1816.03	1552.24	4.44	OSF1.50	18485.74	7730.00				MinPts	

Reserve 3-65 35-34 2EH Plan #1 (Def Plan)												Warning Alert	
	274.05	32.81	273.07	241.24	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	273.93	32.81	272.95	241.12	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	273.93	32.81	271.80	241.12	238.67	MAS = 10.00 (m)	250.00	250.00				MinPts	
	273.95	32.81	271.79	241.14	232.78	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EQU	
	274.33	32.81	272.10	241.52	220.51	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	466.73	32.81	452.46	433.92	35.07	MAS = 10.00 (m)	2000.00	1913.22				MinPt-O-SF	
	1436.28	74.14	1386.52	1362.14	29.43	OSF1.50	7150.00	6574.04				MinPt-O-SF	
	1740.88	523.20	1391.75	1217.67	5.00	OSF1.50	18300.00	7730.00	OSF<5.00			Enter Alert	
	1740.87	532.79	1385.35	1208.08	4.91	OSF1.50	18485.74	7730.00				MinPts	

Reserve 3-65 35-34 1DH GYRO+MWD 0' to 17679' - PR (Def Survey)												Pass	
	224.30	32.81	222.49	191.49	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	224.03	32.81	222.21	191.22	27913.56	MAS = 10.00 (m)	10.00	10.00				MinPts	
	224.03	32.81	222.21	191.22	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	222.17	32.81	219.20	189.37	190.33	MAS = 10.00 (m)	270.00	270.00				MinPts	
	222.19	32.81	219.19	189.38	186.14	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EQU	
	562.16	32.81	551.01	529.35	59.98	MAS = 10.00 (m)	1710.00	1650.77				MinPt-O-SF	
	2547.63	67.38	2502.18	2480.26	58.06	OSF1.50	7600.00	6981.30				MinPt-O-SF	
	2730.22	102.29	2661.49	2627.93	40.65	OSF1.50	9480.00	7730.00				MinPt-CtCt	
	2731.02	104.74	2660.66	2626.29	39.70	OSF1.50	9560.00	7730.00				MINPT-O-EQU	
	2737.94	126.86	2652.84	2611.08	32.77	OSF1.50	9910.00	7730.00				MINPT-O-EQU	
	2739.42	128.61	2653.15	2610.62	32.34	OSF1.50	9960.00	7730.00				MinPt-O-ADP	
	2766.51	152.21	2664.51	2614.30	27.54	OSF1.50	10350.00	7730.00				MINPT-O-EQU	
	2779.72	192.49	2650.86	2587.23	21.83	OSF1.50	10770.00	7730.00				MinPt-CtCt	
	2734.08	275.51	2549.87	2458.56	14.96	OSF1.50	11870.00	7730.00				MinPt-CtCt	
	2741.22	336.78	2516.17	2404.44	12.26	OSF1.50	12660.00	7730.00				MinPt-CtCt	
	2739.46	379.46	2485.95	2360.00	10.87	OSF1.50	13210.00	7730.00				MinPt-CtCt	
	2744.25	445.05	2447.01	2299.20	9.28	OSF1.50	14050.00	7730.00				MinPt-CtCt	
	2745.66	449.24	2445.63	2296.42	9.20	OSF1.50	14160.00	7730.00				MINPT-O-EQU	
	2747.19	451.06	2445.95	2296.13	9.16	OSF1.50	14210.00	7730.00				MinPt-O-ADP	
	2718.50	581.41	2330.36	2137.09	7.03	OSF1.50	15790.00	7730.00				MinPt-CtCt	
	2719.49	584.51	2329.28	2134.98	6.99	OSF1.50	15880.00	7730.00				MINPT-O-EQU	
	2720.55	585.80	2329.48	2134.75	6.98	OSF1.50	15920.00	7730.00				MinPt-O-ADP	
	2735.35	591.71	2340.35	2143.64	6.95	OSF1.50	16160.00	7730.00				MinPt-O-SF	
	2697.75	696.65	2232.78	2001.10	5.82	OSF1.50	17260.00	7730.00				MinPt-CtCt	
	2699.94	703.17	2230.62	1996.76	5.77	OSF1.50	17410.00	7730.00				MINPT-O-EQU	
	2700.88	704.51	2230.67	1996.37	5.76	OSF1.50	17440.00	7730.00				MINPT-O-EQU	
	2705.44	709.99	2231.57	1995.44	5.73	OSF1.50	17550.00	7730.00				MinPt-O-ADP	
	2709.19	713.76	2232.81	1995.43	5.70	OSF1.50	17620.00	7730.00				MinPt-O-ADP	
	2726.10	756.98	2220.91	1969.12	5.41	OSF1.50	18100.00	7730.00				MINPT-O-EQU	
	2730.04	761.70	2221.71	1968.34	5.38	OSF1.50	18200.00	7730.00				MinPt-O-ADP	
	2748.90	778.90	2229.10	1970.01	5.30	OSF1.50	18485.74	7730.00				MinPts	

Reserve 3-65 35-34 1CH GYRO+MWD 0' to 17779' - PR (Def Survey)												Pass	
	249.04	32.81	247.22	216.23	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	248.80	32.81	246.98	215.99	42111.86	MAS = 10.00 (m)	10.00	10.00				MinPts	
	248.80	32.81	246.98	215.99	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	245.28	32.81	242.28	212.47	205.34	MAS = 10.00 (m)	290.00	290.00				MinPts	
	245.29	32.81	242.28	212.49	202.20	MAS = 10.00 (m)	300.00	300.00				MinPts	
	384.68	32.81	377.23	351.87	67.88	MAS = 10.00 (m)	1180.00	1163.75				MinPt-O-SF	
	469.95	32.81	461.42	437.14	69.75	MAS = 10.00 (m)	1420.00	1387.74				MinPt-O-SF	
	506.11	32.81	497.07	473.30	69.80	MAS = 10.00 (m)	1508.75	1468.63				MinPt-O-SF	
	620.13	32.81	609.41	587.32	69.46	MAS = 10.00 (m)	1780.00	1714.12				MinPt-O-SF	
	1318.36	32.81	1302.78	1285.56	94.21	MAS = 10.00 (m)	3420.00	3198.34				MinPt-O-SF	
	1458.75	32.81	1441.71	1425.94	94.37	MAS = 10.00 (m)	3750.00	3497.00				MinPt-O-SF	
	2850.57	65.42	2806.42	2785.14	66.96	OSF1.50	7530.00	6917.95				MinPt-O-SF	
	3115.63	76.47	3064.12	3039.16	62.39	OSF1.50	8920.00	7730.00				MinPt-CtCt	
	3116.20	78.28	3063.48	3037.92	60.93	OSF1.50	9000.00	7730.00				MINPT-O-EQU	
	3076.46	152.26	2974.42	2924.21	30.62	OSF1.50	10170.00	7730.00				MinPt-CtCt	
	3088.45	176.86	2970.01	2911.59	26.42	OSF1.50	10610.00	7730.00				MINPT-O-EQU	
	3095.40	185.71	2971.05	2909.68	25.21	OSF1.50	10760.00	7730.00				MinPt-O-ADP	
	3074.49	338.31	2848.42	2736.19	13.69	OSF1.50	12630.00	7730.00				MinPt-CtCt	
	3075.78	342.39	2846.96	2733.39	13.53	OSF1.50	12740.00	7730.00				MINPT-O-EQU	
	3077.54	344.49	2847.35	2733.05	13.46	OSF1.50	12800.00	7730.00				MinPt-O-ADP	
	3108.63	420.99	2827.43	2687.64	11.11	OSF1.50	13690.00	7730.00				MinPt-CtCt	
	3110.33	426.19	2825.67	2684.14	10.98	OSF1.50	13820.00	7730.00				MINPT-O-EQU	
	3098.75	491.50	2770.55	2607.25	9.48	OSF1.50	14590.00	7730.00				MinPt-CtCt	
	3099.95	520.41	2752.48	2579.54	8.96	OSF1.50	14960.00	7730.00				MinPt-CtCt	
	3100.64	613.84	2690.88	2486.81	7.59	OSF1.50	16150.00	7730.00				MinPt-CtCt	
	3102.45	619.54	2688.89	2482.91	7.53	OSF1.50	16290.00	7730.00				MINPT-O-EQU	
	3106.29	624.26	2689.59	2482.03	7.48	OSF1.50	16400.00	7730.00				MinPt-O-ADP	
	3089.63	727.68	2603.98	2361.96	6.38	OSF1.50	17600.00	7730.00				MinPt-CtCt	
	3090.71	731.14	2602.75	2359.57	6.35	OSF1.50	17700.00	7730.00				MINPT-O-EQU	
	3076.89	805.92	2539.07	2270.97	5.74	OSF1.50	18485.74	7730.00				MinPts	

Big Sandy 3-65 36-31 2CH GYRO_MWD 0' to 18415' - PR (Def Survey)												Pass	
	1587.75	32.81	1585.94	1554.94	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1587.75	32.81	1585.91	1554.94	54856.79	MAS = 10.00 (m)	28.00	28.00				WRP	
	321.61	37.35	296.18	284.26	13.43	OSF1.50	4490.00	4166.71				MinPt-CtCt	
	321.62	37.44	296.12	284.17	13.39	OSF1.50	4500.00	4175.76				MINPT-O-EQU	
	321.71	37.54	296.15	284.17	13.36	OSF1.50	4510.00	4184.81				MinPt-O-ADP	
	323.50	37.95	297.66	285.55	13.28	OSF1.50	4560.00	4230.06				MinPt-O-SF	
	2362.96	53.16	2326.99	2309.80	68.70	OSF1.50	7920.00	7269.72				MinPt-O-SF	
	3365.30	78.10	3312.70	3287.20	65.96	OSF1.50	10530.00	7730.00				MinPt-O-SF	
	10290.29	106.80	10218.55	10183.49	146.71	OSF1.50	18485.74	7730.00				TD	

Big Sandy 3-65 36-31 2AH												
GYRO+MWD 0' to 18177' - PR												
(Def Survey)												Pass
	1627.13	32.81	1625.31	1594.32	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	
	1627.13	32.81	1625.31	1594.32	N/A	MAS = 10.00 (m)	10.00	10.00			MinPts	
	1627.13	32.81	1625.29	1594.32	72530.71	MAS = 10.00 (m)	28.00	28.00			WRP	
	1627.22	32.81	1625.24	1594.41	9626.43	MAS = 10.00 (m)	80.00	80.00			MINPT-O-EOU	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Big Sandy 3-65 36-31 2BH GYRO+MWD 0' to 18220' - PR (Def Survey)	1627.38	32.81	1624.48	1594.57	1494.51	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	TD
	383.66	37.94	357.83	345.72	15.77	OSF1.50	4570.00	4239.11				MinPt-CtCt	
	383.75	38.16	357.77	345.58	15.68	OSF1.50	4590.00	4257.21				MinPts	
	391.31	39.63	364.36	351.68	15.37	OSF1.50	4740.00	4392.96				MinPt-O-SF	
	1755.65	50.65	1721.35	1705.00	53.64	OSF1.50	7340.00	6746.00				MinPt-O-SF	
	2684.41	59.33	2644.32	2625.08	69.71	OSF1.50	9550.00	7730.00				MinPt-O-SF	
	2732.94	60.39	2692.14	2672.54	69.69	OSF1.50	9670.00	7730.00				MinPt-O-SF	
	3094.55	70.31	3047.14	3024.23	67.52	OSF1.50	10380.00	7730.00				MinPt-O-SF	
	3118.27	70.84	3070.51	3047.43	67.52	OSF1.50	10420.00	7730.00				MinPt-O-SF	
	7297.39	97.40	7231.92	7199.99	114.23	OSF1.50	15450.00	7730.00				MinPt-O-SF	
	8005.24	99.26	7938.53	7905.98	122.94	OSF1.50	16210.00	7730.00				MinPt-O-SF	
	10159.09	102.43	10090.26	10056.65	151.11	OSF1.50	18485.74	7730.00				TD	
Big Sandy 3-65 36-31 2BH GYRO+MWD 0' to 18220' - PR (Def Survey)													Pass
1667.53	32.81	1665.72	1634.72	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD	
1667.53	32.81	1665.67	1634.72	36178.32	MAS = 10.00 (m)	28.00	28.00				WRP		
1666.40	32.81	1663.55	1633.59	1599.29	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF		
397.08	38.87	370.63	358.20	15.92	OSF1.50	4660.00	4320.56				MinPt-CtCt		
397.16	39.11	370.55	358.05	15.82	OSF1.50	4680.00	4338.66				MINPT-O-EOU		
397.34	39.34	370.58	358.00	15.73	OSF1.50	4700.00	4356.76				MinPt-O-ADP		
406.29	41.31	378.22	364.98	15.23	OSF1.50	4890.00	4528.71				MinPt-O-SF		
2295.21	57.60	2256.28	2237.61	61.44	OSF1.50	9180.00	7730.00				MinPt-O-SF		
2527.39	64.70	2483.72	2462.69	60.05	OSF1.50	9770.00	7730.00				MinPt-O-SF		
7456.04	94.67	7392.40	7361.38	120.15	OSF1.50	15730.00	7730.00				MinPt-O-SF		
10080.35	98.41	10014.21	9981.94	156.18	OSF1.50	18485.74	7730.00				TD		
Big Sandy 3-65 36-31 1DH GYRO+MWD 0' to 15399' - PR (Def Survey)													Pass
1706.82	32.81	1705.00	1674.01	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD	
1706.81	32.81	1704.95	1674.01	34856.17	MAS = 10.00 (m)	28.00	28.00				WRP		
401.97	39.21	375.29	362.77	15.98	OSF1.50	4760.00	4411.06				MinPt-CtCt		
402.00	39.31	375.26	362.69	15.93	OSF1.50	4770.00	4420.11				MINPT-O-EOU		
402.10	39.41	375.29	362.69	15.89	OSF1.50	4780.00	4429.16				MinPt-O-ADP		
414.88	41.72	386.53	373.16	15.45	OSF1.50	5000.00	4628.26				MinPt-O-SF		
1172.81	53.62	1136.53	1119.19	33.77	OSF1.50	7100.00	6528.79				MinPt-O-SF		
2062.19	56.31	2024.12	2005.88	56.50	OSF1.50	9180.00	7730.00				MinPt-O-SF		
2178.80	59.91	2138.32	2118.89	56.01	OSF1.50	9480.00	7730.00				MinPt-O-SF		
2210.86	60.80	2169.79	2150.06	55.98	OSF1.50	9550.00	7730.00				MinPt-O-SF		
2239.67	61.54	2198.11	2178.13	56.01	OSF1.50	9610.00	7730.00				MinPt-O-SF		
7234.08	88.85	7174.31	7145.23	124.35	OSF1.50	15560.00	7730.00				MinPt-O-SF		
9985.92	95.68	9921.60	9890.24	159.20	OSF1.50	18420.00	7730.00				MinPt-O-SF		
10049.39	95.75	9985.01	9953.63	160.08	OSF1.50	18485.74	7730.00				TD		
Reserve 3-65 34-35 1H ST1 7045' to 16359' - PR (Def Survey)													Pass
470.69	32.81	468.88	437.88	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD	
470.54	32.81	468.72	437.73	71596.92	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF		
470.53	32.81	468.72	437.72	121140.72	MAS = 10.00 (m)	28.00	28.00				WRP		
469.41	32.81	466.35	436.60	374.54	MAS = 10.00 (m)	270.00	270.00				MinPts		
469.42	32.81	466.33	436.61	364.69	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EOU		
469.52	32.81	466.36	436.72	346.13	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF		
471.43	32.81	468.24	438.62	340.95	MAS = 10.00 (m)	390.00	389.94				MinPt-O-SF		
909.86	32.81	898.71	877.05	95.08	MAS = 10.00 (m)	2000.00	1913.22				MinPt-O-SF		
3277.68	60.28	3236.96	3217.40	83.74	OSF1.50	7630.00	7008.45				MinPt-O-SF		
3457.52	60.03	3416.97	3397.49	88.73	OSF1.50	8120.00	7434.18				MinPt-O-SF		
3486.86	60.31	3446.12	3426.55	89.05	OSF1.50	8230.00	7513.58				MinPt-O-SF		
3537.03	71.58	3488.77	3465.45	75.79	OSF1.50	9150.00	7730.00				MinPt-CtCt		
3538.52	77.74	3486.16	3460.78	69.68	OSF1.50	9340.00	7730.00				MINPT-O-EOU		
3542.95	82.95	3487.11	3460.00	65.30	OSF1.50	9490.00	7730.00				MinPt-O-ADP		
3546.29	105.81	3475.21	3440.47	51.02	OSF1.50	9810.00	7730.00				MinPt-CtCt		
3543.86	141.25	3449.15	3402.60	38.05	OSF1.50	10340.00	7730.00				MinPt-CtCt		
3544.25	170.58	3429.99	3373.67	31.45	OSF1.50	10750.00	7730.00				MinPt-CtCt		
3526.40	254.59	3356.14	3271.81	20.90	OSF1.50	11870.00	7730.00				MinPt-CtCt		
3537.94	393.04	3275.37	3144.89	13.55	OSF1.50	13660.00	7730.00				MinPt-CtCt		
3539.12	504.13	3202.49	3034.98	10.56	OSF1.50	15080.00	7730.00				MinPt-CtCt		
3532.82	550.45	3165.32	2982.38	9.65	OSF1.50	15670.00	7730.00				MinPt-CtCt		
3544.53	635.26	3120.49	2909.27	8.39	OSF1.50	16750.00	7730.00				MinPt-CtCt		
3534.79	698.94	3068.29	2835.84	7.60	OSF1.50	17560.00	7730.00				MinPt-CtCt		
3535.31	710.48	3061.12	2824.82	7.48	OSF1.50	17730.00	7730.00				MINPT-O-EOU		
3535.52	710.76	3061.15	2824.77	7.47	OSF1.50	17750.00	7730.00				MinPt-O-ADP		
3537.91	711.72	3062.90	2826.19	7.41	OSF1.50	17840.00	7730.00				MinPt-O-SF		
3621.17	705.86	3150.07	2915.32	7.71	OSF1.50	18485.74	7730.00				TD		
Reserve 3-65 34-35 1H Pilot 0' to 8000' - PR (Def Survey)													Pass
470.69	32.81	468.88	437.88	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD	
470.54	32.81	468.72	437.73	71596.92	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF		
470.53	32.81	468.72	437.72	121140.72	MAS = 10.00 (m)	28.00	28.00				WRP		
469.41	32.81	466.35	436.60	374.54	MAS = 10.00 (m)	270.00	270.00				MinPts		
469.42	32.81	466.33	436.61	364.69	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EOU		
469.52	32.81	466.36	436.72	346.13	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF		
471.43	32.81	468.24	438.62	340.95	MAS = 10.00 (m)	390.00	389.94				MinPt-O-SF		
909.86	32.81	898.71	877.05	95.08	MAS = 10.00 (m)	2000.00	1913.22				MinPt-O-SF		
3305.68	60.85	3264.58	3244.83	83.65	OSF1.50	7700.00	7072.12				MinPt-O-SF		
4270.90	103.27	4201.52	4167.64	62.99	OSF1.50	11180.00	7730.00				MinPt-O-SF		
10333.94	133.66	10244.30	10200.28	117.36	OSF1.50	18485.74	7730.00				TD		
Flader Industries-B 1 Blind 0' to 8780' - DA (Def Survey)													Pass
9427.39	32.81	9425.22	9394.58	26170.22	MAS = 10.00 (m)	0.00	0.00				Surface	TD	
9427.39	32.81	9424.66	9394.58	10275.07	MAS = 10.00 (m)	28.00	28.00				WRP		
9427.39	32.81	9418.60	9394.58	1350.76	MAS = 10.00 (m)	250.00	250.00				MinPts		
9434.32	33.05	9411.69	9401.28	453.01	OSF1.50	600.00	599.13				MINPT-O-EOU		
9442.73	43.12	9413.37	9399.60	342.79	OSF1.50	770.00	767.15				MinPt-O-ADP		
3553.03	592.74	3157.33	2960.28	9.01	OSF1.50	18330.00	7730.00				MinPt-CtCt		
3553.38	593.74	3157.01	2959.64	9.00	OSF1.50	18380.00	7730.00				MINPT-O-EOU		
3553.71	594.12	3157.09	2959.59	8.99	OSF1.50	18400.00	7730.00				MinPt-O-ADP		
3556.43	595.70	3158.76	2960.73	8.98	OSF1.50	18485.74	7730.00				MinPt-O-SF		
Blue 3-65 32-33 1H GYRO+MWD 0' to 17393' - PR (Def Survey)													Pass

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
10460.35	32.81	10458.40	10427.55	75154.34	MAS = 10.00 (m)		0.00	0.00					Surface
10460.33	32.81	10458.35	10427.52	62310.34	MAS = 10.00 (m)		28.00	28.00					WRP
10460.33	32.81	10458.35	10427.52	57151.16	MAS = 10.00 (m)		40.00	40.00					MinPts
10460.07	32.81	10457.32	10427.26	11185.15	MAS = 10.00 (m)		270.00	270.00					MinPts
10460.12	32.81	10457.35	10427.31	10949.36	MAS = 10.00 (m)		300.00	300.00					MinPt-O-SF
11722.20	67.94	11676.37	11654.26	265.04	OSF1.50		7800.00	7163.01					MinPt-O-SF
11715.52	67.91	11669.71	11647.61	264.99	OSF1.50		7900.00	7252.23					MinPt-O-SF
11696.29	67.80	11650.56	11628.50	265.01	OSF1.50		8000.00	7338.04					MinPt-O-SF
3755.93	368.42	3509.79	3387.52	15.35	OSF1.50		18485.74	7730.00					MinPts