

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

Analysis Date-24hr Time: May 14, 2020 - 15:56
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 4BH
Well: Reserve 3-65 35-34 4BH
Borehole: Original Hole
Scan MD Range: 0.00ft - 18659.58ft

Analysis Method: 3D Least Distance
Reference Trajectory: Reserve 3-65 35-34 4BH 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: ISCSA0 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 4AH 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	N/A	MAS = 6.10 (m)	28.00	28.00				WRP	
	24.77	20.01	22.62	4.76	20.36	MAS = 6.10 (m)	250.00	250.00				MinPts	
	24.77	20.01	22.61	4.76	20.23	MAS = 6.10 (m)	290.00	290.00				MINPT-O-EOU	
	24.77	20.01	22.61	4.76	20.23	MAS = 6.10 (m)	300.00	300.00				MinPt-O-SF	
	27.90	20.01	17.23	7.89	2.78	MAS = 6.10 (m)	1520.00	1478.81				MINPT-O-EOU	
	29.56	20.01	17.98	9.55	2.70	MAS = 6.10 (m)	1590.00	1541.67				MinPt-O-SF	
	77.11	24.03	60.76	53.08	4.96	OSF1.50	2270.00	2135.33	OSF>5.00			Exit Alert	
	486.97	95.47	423.00	391.50	7.72	OSF1.50	7630.00	6803.33				MinPt-O-SF	
	492.21	96.49	427.56	395.73	7.72	OSF1.50	7700.00	6864.29				MinPt-O-SF	
	585.07	101.46	517.10	483.61	8.72	OSF1.50	9010.00	7650.00				MinPt-CtCt	
	585.15	176.31	467.28	408.84	5.00	OSF1.50	11230.00	7650.00	OSF<5.00			Enter Alert	
	585.42	541.18	224.30	44.24	1.62	OSF1.50	18659.58	7650.00				MinPts	
Reserve 3-65 35-34 3CH 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	41.56	MAS = 10.00 (m)	290.00	290.00				MinPts	
	52.44	32.81	46.91	19.63	11.33	MAS = 10.00 (m)	1050.00	1039.64				MINPT-O-EOU	
	65.32	32.81	54.73	32.51	6.70	MAS = 10.00 (m)	1510.00	1469.77				MinPt-O-SF	
	919.03	88.30	859.84	830.73	15.77	OSF1.50	7440.00	6637.86				MinPt-O-SF	
	1159.49	89.99	1099.17	1069.50	19.52	OSF1.50	9010.00	7650.00				MinPt-CtCt	
	1159.70	348.88	926.79	810.82	5.00	OSF1.50	14990.00	7650.00	OSF<5.00			Enter Alert	
	1159.83	536.41	801.90	623.43	3.25	OSF1.50	18659.58	7650.00				MinPts	
Reserve 3-65 35-34 3BH Plan #1 (Def Plan)													
												Warning Alert	
	74.68	32.81	73.69	41.87	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	74.68	32.81	73.69	41.87	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	74.68	32.81	72.52	41.87	63.08	MAS = 10.00 (m)	250.00	250.00				MinPts	
	74.68	32.81	72.52	41.87	62.76	MAS = 10.00 (m)	270.00	270.00				MINPT-O-EOU	
	74.69	32.81	72.53	41.88	62.50	MAS = 10.00 (m)	290.00	290.00				MinPt-O-SF	
	75.40	32.81	73.45	42.59	77.44	MAS = 10.00 (m)	570.00	569.33				MINPT-O-EOU	
	75.80	32.81	73.43	42.99	54.23	MAS = 10.00 (m)	640.00	638.80				MINPT-O-EOU	
	108.67	32.81	99.14	75.86	12.60	MAS = 10.00 (m)	1430.00	1396.92				MinPt-O-SF	
	1431.95	83.32	1376.08	1348.63	26.07	OSF1.50	7420.00	6620.44				MinPt-O-SF	
	1741.26	88.63	1681.85	1652.63	29.78	OSF1.50	9010.00	7650.00				MinPt-CtCt	
	1741.59	523.35	1392.36	1218.24	5.00	OSF1.50	18390.00	7650.00	OSF<5.00			Enter Alert	
	1741.60	537.21	1383.13	1204.39	4.87	OSF1.50	18659.58	7650.00				MinPts	
Reserve 3-65 35-34 2AH GYRO+MWD 0' to 17727' - PR (Def Survey)													
												Pass	
	223.94	32.81	222.13	191.13	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	223.67	32.81	221.84	190.86	25504.11	MAS = 10.00 (m)	10.00	10.00				MinPts	
	223.66	32.81	221.85	190.85	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	222.07	32.81	219.00	189.26	174.62	MAS = 10.00 (m)	270.00	270.00				MinPts	
	222.08	32.81	218.99	189.28	171.66	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EOU	
	222.21	32.81	219.07	189.40	166.23	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	455.05	32.81	445.83	422.24	61.25	MAS = 10.00 (m)	1450.00	1415.21				MinPt-O-SF	
	487.13	32.81	477.39	454.32	61.24	MAS = 10.00 (m)	1530.00	1487.83				MinPt-O-SF	
	572.84	32.81	561.74	540.04	61.46	MAS = 10.00 (m)	1721.86	1657.95				MinPt-O-SF	
	2467.63	46.73	2435.94	2420.90	81.97	OSF1.50	5650.00	5078.95				MinPt-O-SF	
	2734.14	71.71	2685.80	2662.44	58.47	OSF1.50	7490.00	6681.40				MinPt-O-SF	
	2856.57	76.56	2805.00	2780.01	57.14	OSF1.50	7890.00	7030.15				MinPt-O-SF	
	2943.05	167.38	2830.93	2775.67	26.61	OSF1.50	10630.00	7650.00				MinPt-CtCt	
	2923.94	225.09	2773.34	2698.85	19.61	OSF1.50	11420.00	7650.00				MinPt-CtCt	
	2929.39	240.58	2768.47	2688.81	18.38	OSF1.50	11710.00	7650.00				MINPT-O-EOU	
	2931.29	242.78	2768.90	2688.51	18.22	OSF1.50	11760.00	7650.00				MinPt-O-ADP	
	2938.16	304.64	2734.53	2633.52	14.54	OSF1.50	12470.00	7650.00				MinPt-CtCt	
	2933.87	342.51	2704.99	2591.36	12.90	OSF1.50	12960.00	7650.00				MinPt-CtCt	
	2946.06	389.96	2685.55	2556.10	11.37	OSF1.50	13670.00	7650.00				MINPT-O-EOU	
	2956.96	443.41	2660.82	2513.55	10.03	OSF1.50	14260.00	7650.00				MinPt-CtCt	
	2960.74	454.00	2657.54	2506.74	9.81	OSF1.50	14480.00	7650.00				MINPT-O-EOU	
	2965.19	459.37	2658.41	2505.82	9.71	OSF1.50	14590.00	7650.00				MinPt-O-ADP	
	2912.02	543.56	2549.11	2368.46	8.06	OSF1.50	15550.00	7650.00				MinPt-CtCt	
	2912.53	545.10	2548.60	2367.43	8.03	OSF1.50	15610.00	7650.00				MINPT-O-EOU	
	2913.14	545.81	2548.73	2367.33	8.03	OSF1.50	15640.00	7650.00				MinPt-O-ADP	
	2944.14	571.67	2562.49	2372.46	7.74	OSF1.50	16080.00	7650.00				MinPts	
	2962.36	576.87	2577.24	2385.49	7.72	OSF1.50	16290.00	7650.00				MinPt-O-SF	
	2995.70	626.87	2577.25	2368.83	7.18	OSF1.50	16610.00	7650.00				MinPt-CtCt	
	2940.60	695.45	2476.44	2245.15	6.35	OSF1.50	17490.00	7650.00				MinPt-CtCt	
	2926.48	739.99	2432.61	2186.49	5.94	OSF1.50	18060.00	7650.00				MinPt-CtCt	
	2927.84	744.56	2430.94	2183.28	5.91	OSF1.50	18180.00	7650.00				MINPT-O-EOU	
	2929.60	746.69	2431.27	2182.91	5.89	OSF1.50	18240.00	7650.00				MinPt-O-ADP	
	2928.31	793.47	2398.79	2134.83	5.54	OSF1.50	18659.58	7650.00				MinPts	

...Reserve 3-65 35-34 4BH\Original Hole\Reserve 3-65 35-34 4BH 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		
Reserve 3-65 35-34 1DH GYRO+MWD 0' to 17679' - PR (Def Survey)													
	249.05	32.81	247.24	216.24	N/A	MAS = 10.00 (m)	0.00	0.00				Pass	Surface
	248.80	32.81	246.98	215.99	31584.25	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
	246.95	32.81	243.98	214.14	211.75	MAS = 10.00 (m)	270.00	270.00					MinPts
	246.96	32.81	243.96	214.15	207.11	MAS = 10.00 (m)	280.00	280.00					MINPT-O-EQU
	599.20	32.81	587.88	566.39	62.82	MAS = 10.00 (m)	1720.00	1656.34					MinPt-O-SF
	1632.87	32.81	1613.67	1600.06	92.69	MAS = 10.00 (m)	3830.00	3493.93					MinPt-O-SF
	1686.95	32.81	1667.16	1654.14	92.68	MAS = 10.00 (m)	3940.00	3589.72					MinPt-O-SF
	3021.20	72.78	2972.14	2948.42	63.63	OSF1.50	7640.00	6812.04					MinPt-O-SF
	3308.91	106.77	3237.19	3202.13	47.17	OSF1.50	9650.00	7650.00					MinPt-CtCt
	3309.68	109.28	3236.29	3200.40	46.08	OSF1.50	9740.00	7650.00					MINPT-O-EQU
	3313.93	115.88	3236.14	3198.05	43.48	OSF1.50	9890.00	7650.00					MINPT-O-EQU
	3316.68	130.66	3229.04	3186.02	38.53	OSF1.50	10090.00	7650.00					MINPT-O-EQU
	3318.04	132.28	3229.32	3185.76	38.07	OSF1.50	10140.00	7650.00					MinPt-O-ADP
	3346.43	156.09	3241.84	3190.34	32.48	OSF1.50	10560.00	7650.00					MINPT-O-EQU
	3358.83	194.96	3228.32	3163.87	26.04	OSF1.50	10940.00	7650.00					MinPt-CtCt
	3313.57	277.39	3128.11	3036.18	18.01	OSF1.50	12040.00	7650.00					MinPt-CtCt
	3320.86	338.12	3094.91	2982.74	14.80	OSF1.50	12830.00	7650.00					MinPt-CtCt
	3319.19	380.72	3064.84	2938.47	13.13	OSF1.50	13380.00	7650.00					MinPt-CtCt
	3324.25	446.26	3026.21	2878.00	11.21	OSF1.50	14220.00	7650.00					MinPt-CtCt
	3325.60	450.54	3024.71	2875.06	11.11	OSF1.50	14340.00	7650.00					MINPT-O-EQU
	3327.00	452.26	3024.96	2874.75	11.07	OSF1.50	14390.00	7650.00					MinPt-O-ADP
	3299.07	582.67	2910.09	2716.40	8.51	OSF1.50	15970.00	7650.00					MinPt-CtCt
	3300.01	585.58	2909.09	2714.43	8.47	OSF1.50	16060.00	7650.00					MINPT-O-EQU
	3301.27	587.11	2909.33	2714.16	8.45	OSF1.50	16110.00	7650.00					MinPt-O-ADP
	3323.29	594.69	2926.30	2728.61	8.40	OSF1.50	16440.00	7650.00					MinPt-O-SF
	3278.60	697.29	2813.20	2581.31	7.07	OSF1.50	17430.00	7650.00					MinPt-CtCt
	3280.69	703.86	2810.92	2576.83	7.00	OSF1.50	17590.00	7650.00					MINPT-O-EQU
	3286.32	710.67	2812.00	2575.64	6.95	OSF1.50	17740.00	7650.00					MinPt-O-ADP
	3289.94	714.11	2813.33	2575.83	6.92	OSF1.50	17810.00	7650.00					MinPt-O-ADP
	3306.95	757.43	2801.46	2549.51	6.56	OSF1.50	18280.00	7650.00					MINPT-O-EQU
	3310.64	761.93	2802.15	2548.71	6.53	OSF1.50	18380.00	7650.00					MinPt-O-ADP
	3328.24	775.78	2810.52	2552.47	6.45	OSF1.50	18659.58	7650.00					MinPts
Reserve 3-65 35-34 1CH GYRO+MWD 0' to 17779' - PR (Def Survey)													
	273.79	32.81	271.98	240.98	N/A	MAS = 10.00 (m)	0.00	0.00				Pass	Surface
	273.57	32.81	271.75	240.76	45853.70	MAS = 10.00 (m)	10.00	10.00					MinPts
	273.57	32.81	271.76	240.76	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
	270.05	32.81	267.05	237.24	226.16	MAS = 10.00 (m)	290.00	290.00					MinPts
	270.06	32.81	267.05	237.26	222.73	MAS = 10.00 (m)	300.00	300.00					MinPts
	410.44	32.81	403.01	377.63	72.81	MAS = 10.00 (m)	1180.00	1163.75					MinPt-O-SF
	516.09	32.81	507.33	483.28	73.97	MAS = 10.00 (m)	1470.00	1433.46					MinPt-O-SF
	662.20	32.81	651.37	629.40	73.16	MAS = 10.00 (m)	1790.00	1717.30					MinPt-O-SF
	1498.61	32.81	1482.16	1465.80	100.87	MAS = 10.00 (m)	3490.00	3197.82					MinPt-O-SF
	1670.67	32.81	1652.50	1637.86	100.74	MAS = 10.00 (m)	3840.00	3502.63					MinPt-O-SF
	3320.65	70.44	3273.16	3250.21	72.33	OSF1.50	7570.00	6751.07					MinPt-O-SF
	3696.01	82.00	3640.81	3614.02	68.93	OSF1.50	9090.00	7650.00					MinPt-CtCt
	3696.65	83.89	3640.19	3612.76	67.36	OSF1.50	9180.00	7650.00					MINPT-O-EQU
	3657.34	155.25	3553.30	3502.08	35.69	OSF1.50	10340.00	7650.00					MinPt-CtCt
	3669.49	179.46	3549.32	3490.03	30.93	OSF1.50	10800.00	7650.00					MINPT-O-EQU
	3675.82	187.59	3550.22	3488.23	29.63	OSF1.50	10940.00	7650.00					MinPt-O-ADP
	3655.95	339.62	3429.00	3316.33	16.22	OSF1.50	12800.00	7650.00					MinPt-CtCt
	3657.20	343.85	3427.43	3313.35	16.02	OSF1.50	12920.00	7650.00					MINPT-O-EQU
	3658.82	345.83	3427.73	3312.99	15.94	OSF1.50	12980.00	7650.00					MinPt-O-ADP
	3690.28	422.01	3408.41	3268.27	13.16	OSF1.50	13860.00	7650.00					MinPt-CtCt
	3692.16	427.66	3406.52	3264.50	12.99	OSF1.50	14010.00	7650.00					MINPT-O-EQU
	3693.98	429.84	3406.88	3264.14	12.93	OSF1.50	14070.00	7650.00					MinPt-O-ADP
	3680.56	492.80	3351.49	3187.76	11.23	OSF1.50	14770.00	7650.00					MinPt-CtCt
	3681.84	521.01	3333.96	3160.83	10.63	OSF1.50	15130.00	7650.00					MinPt-CtCt
	3682.79	614.79	3272.40	3068.00	9.01	OSF1.50	16330.00	7650.00					MinPt-CtCt
	3684.76	620.54	3270.54	3064.23	8.93	OSF1.50	16480.00	7650.00					MINPT-O-EQU
	3688.51	624.98	3271.33	3063.54	8.87	OSF1.50	16590.00	7650.00					MinPt-O-ADP
	3672.11	728.40	3185.98	2943.71	7.58	OSF1.50	17780.00	7650.00					MinPt-CtCt
	3673.36	731.98	3184.83	2941.38	7.54	OSF1.50	17890.00	7650.00					MINPT-O-EQU
	3659.05	806.55	3120.82	2852.50	6.82	OSF1.50	18659.58	7650.00					MinPts
Big Sandy 3-65 36-31 2CH GYRO_MWD 0' to 18415' - PR (Def Survey)													
	1562.99	32.81	1561.18	1530.18	N/A	MAS = 10.00 (m)	0.00	0.00				Pass	Surface
	1562.99	32.81	1561.15	1530.18	54550.52	MAS = 10.00 (m)	28.00	28.00					WRP
	285.19	35.85	260.75	249.34	12.42	OSF1.50	4110.00	3737.78					MinPt-CtCt
	285.19	35.95	260.69	249.24	12.39	OSF1.50	4120.00	3746.48					MinPts
	287.20	36.49	262.35	250.72	12.28	OSF1.50	4180.00	3798.74					MinPt-O-SF
	3172.92	54.68	3135.93	3118.23	89.62	OSF1.50	8760.00	7613.41					MinPts
	4091.17	90.88	4030.04	4000.28	68.71	OSF1.50	11250.00	7650.00					MinPt-O-SF
	10379.18	119.36	10299.07	10259.82	132.19	OSF1.50	18659.58	7650.00					TD
Reserve 3-65 35-34 2EH Plan #1 (Def Plan)													
	298.82	32.81	297.83	266.01	N/A	MAS = 10.00 (m)	0.00	0.00				Pass	Surface
	298.70	32.81	297.72	265.89	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
	298.70	32.81	296.57	265.89	260.40	MAS = 10.00 (m)	250.00	250.00					MinPts
	298.72	32.81	296.56	265.91	253.97	MAS = 10.00 (m)	260.00	260.00					MINPT-O-EQU
	299.10	32.81	296.88	266.29	240.68	MAS = 10.00 (m)	300.00	300.00					MinPt-O-SF
	523.94	32.81	509.52	491.13	38.93	MAS = 10.00 (m)	2000.00	1900.19					MinPt-O-SF
	1900.84	78.60	1848.11	1822.23	36.71	OSF1.50	7240.00	6463.68					MinPt-O-SF
	2319.32	535.32	1962.11	1784.00	6.51	OSF1.50	18659.58	7650.00					MinPts
Big Sandy 3-65 36-31 2AH GYRO+MWD 0' to 18177' - PR (Def Survey)													
	1602.36	32.81	1600.55	1569.56	N/A	MAS = 10.00 (m)	0.00	0.00				Pass	Surface
	1602.36	32.81	1600.55	1569.56	N/A	MAS = 10.00 (m)							

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)	3833.09	83.84	3776.66	3749.25	69.89	OSF1.50	11170.00	7650.00				MinPt-O-SF	TD		
	10250.63	115.81	10172.89	10134.82	134.61	OSF1.50	18659.58	7650.00							
Big Sandy 3-65 36-31 2BH GYRO+MWD 0' to 18220' - PR (Def Survey)														Pass	
	1642.77	32.81	1640.95	1609.96	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD		
	1642.76	32.81	1640.91	1609.96	35996.65	MAS = 10.00 (m)	28.00	28.00				WRP			
	1641.64	32.81	1638.78	1608.83	1576.81	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF			
	324.99	37.41	299.52	287.58	13.55	OSF1.50	4230.00	3842.28				MinPt-CtCt			
	325.02	37.54	299.46	287.48	13.50	OSF1.50	4240.00	3850.99				MINPT-O-EOU			
	325.13	37.67	299.49	287.46	13.46	OSF1.50	4250.00	3859.70				MinPt-O-ADP			
	330.27	38.78	303.88	291.48	13.26	OSF1.50	4350.00	3946.79				MinPt-O-SF			
	3394.66	79.72	3340.98	3314.94	65.16	OSF1.50	10780.00	7650.00				MinPt-O-SF			
	3418.41	80.26	3364.37	3338.15	65.16	OSF1.50	10820.00	7650.00				MinPt-O-SF			
	10169.78	112.09	10094.52	10057.69	138.05	OSF1.50	18659.58	7650.00				TD			
Big Sandy 3-65 36-31 1DH GYRO+MWD 0' to 15399' - PR (Def Survey)														Pass	
	1682.05	32.81	1680.24	1649.24	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		TD	
	1682.05	32.81	1680.19	1649.24	34685.87	MAS = 10.00 (m)	28.00	28.00				WRP			
	329.99	37.88	304.20	292.11	13.58	OSF1.50	4330.00	3929.37				MinPt-CtCt			
	330.00	38.00	304.13	292.00	13.53	OSF1.50	4340.00	3938.08				MINPT-O-EOU			
	330.09	38.13	304.14	291.96	13.49	OSF1.50	4350.00	3946.79				MinPt-O-ADP			
	334.92	39.24	308.23	295.68	13.28	OSF1.50	4450.00	4033.88				MinPt-O-SF			
	1750.28	57.58	1711.36	1692.71	46.86	OSF1.50	7480.00	6672.69				MinPt-O-SF			
	2560.11	58.33	2520.69	2501.78	67.66	OSF1.50	9390.00	7650.00				MinPt-O-SF			
	3029.86	73.70	2980.19	2956.16	63.01	OSF1.50	10490.00	7650.00				MinPt-O-SF			
	3052.83	74.26	3002.79	2978.57	63.00	OSF1.50	10530.00	7650.00				MinPt-O-SF			
	9203.38	107.35	9131.28	9096.03	130.53	OSF1.50	17690.00	7650.00				MinPt-O-SF			
	10127.60	108.61	10054.66	10018.99	141.94	OSF1.50	18659.58	7650.00				TD			
Reserve 3-65 34-35 1H ST1 7045' to 16359' - PR (Def Survey)															Pass
	494.27	32.81	492.45	461.46	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	TD		
	494.13	32.81	492.31	461.32	75019.46	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF			
	494.11	32.81	492.30	461.31	126474.10	MAS = 10.00 (m)	28.00	28.00				WRP			
	492.97	32.81	489.91	460.17	392.03	MAS = 10.00 (m)	270.00	270.00				MinPts			
	492.98	32.81	489.89	460.18	381.71	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EOU			
	493.09	32.81	489.93	460.29	362.26	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF			
	495.08	32.81	491.88	462.27	356.48	MAS = 10.00 (m)	390.00	389.94				MinPt-O-SF			
	964.57	32.81	953.28	931.77	99.35	MAS = 10.00 (m)	2000.00	1900.19				MinPt-O-SF			
	3815.66	65.91	3771.19	3749.75	88.96	OSF1.50	7850.00	6995.08				MinPt-O-SF			
	4044.99	66.06	4000.41	3978.93	94.10	OSF1.50	8420.00	7451.45				MinPt-O-SF			
	4061.43	66.42	4016.61	3995.01	93.95	OSF1.50	8480.00	7488.28				MinPt-O-SF			
	4103.14	66.83	4058.05	4036.31	94.33	OSF1.50	8690.00	7589.97				MinPt-O-SF			
	4115.89	76.97	4064.05	4038.92	81.89	OSF1.50	9310.00	7650.00				MinPt-CtCt			
	4117.82	82.65	4062.18	4035.16	76.18	OSF1.50	9500.00	7650.00				MINPT-O-EOU			
	4119.70	84.95	4062.53	4034.75	74.12	OSF1.50	9580.00	7650.00				MinPt-O-ADP			
	4122.31	87.72	4063.30	4034.59	71.78	OSF1.50	9660.00	7650.00				MinPt-O-ADP			
	4126.42	110.37	4052.31	4016.05	56.89	OSF1.50	9990.00	7650.00				MinPt-CtCt			
	4124.09	144.83	4027.00	3979.26	43.17	OSF1.50	10520.00	7650.00				MinPt-CtCt			
	4124.52	173.66	4008.21	3950.86	35.94	OSF1.50	10930.00	7650.00				MinPt-CtCt			
	4106.85	256.83	3935.09	3850.02	24.13	OSF1.50	12050.00	7650.00				MinPt-CtCt			
	4118.85	393.98	3855.67	3724.88	15.74	OSF1.50	13830.00	7650.00				MinPt-CtCt			
	4120.35	504.78	3783.30	3615.57	12.28	OSF1.50	15250.00	7650.00				MinPt-CtCt			
	4114.16	551.68	3745.84	3562.48	11.21	OSF1.50	15850.00	7650.00				MinPt-CtCt			
	4116.33	699.31	3649.59	3417.02	8.85	OSF1.50	17730.00	7650.00				MinPt-CtCt			
	4117.00	711.42	3642.19	3405.58	8.70	OSF1.50	17920.00	7650.00				MINPT-O-EOU			
	4117.12	711.56	3642.21	3405.56	8.70	OSF1.50	17930.00	7650.00				MinPt-O-ADP			
	4121.29	713.11	3645.35	3408.18	8.69	OSF1.50	18070.00	7650.00				MinPt-O-SF			
	4190.44	711.10	3715.84	3479.34	8.86	OSF1.50	18659.58	7650.00				TD			
Reserve 3-65 34-35 1H Pilot 0' to 8000' - PR (Def Survey)														Pass	
	494.27	32.81	492.45	461.46	N/A	MAS = 10.00 (m)	0.00	0.00				Surface		TD	
	494.13	32.81	492.31	461.32	75019.46	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF			
	494.11	32.81	492.30	461.31	126474.10	MAS = 10.00 (m)	28.00	28.00				WRP			
	492.97	32.81	489.91	460.17	392.03	MAS = 10.00 (m)	270.00	270.00				MinPts			
	492.98	32.81	489.89	460.18	381.71	MAS = 10.00 (m)	280.00	280.00				MINPT-O-EOU			
	493.09	32.81	489.93	460.29	362.26	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF			
	495.08	32.81	491.88	462.27	356.48	MAS = 10.00 (m)	390.00	389.94				MinPt-O-SF			
	964.57	32.81	953.28	931.77	99.35	MAS = 10.00 (m)	2000.00	1900.19				MinPt-O-SF			
	3820.33	65.99	3775.80	3754.34	88.96	OSF1.50	7860.00	7003.84				MinPt-O-SF			
	5046.65	118.23	4967.29	4928.41	64.89	OSF1.50	11880.00	7650.00				MinPt-O-SF			
	10544.60	152.30	10442.53	10392.29	104.94	OSF1.50	18659.58	7650.00				TD			
Flader Industries-B 1 Blind 0' to 8780' - DA (Def Survey)															Pass
	9429.09	32.81	9426.92	9396.28	26317.39	MAS = 10.00 (m)	0.00	0.00				Surface	TD		
	9429.09	32.81	9426.36	9396.28	10298.11	MAS = 10.00 (m)	28.00	28.00				WRP			
	9429.09	32.81	9420.31	9396.28	1351.67	MAS = 10.00 (m)	250.00	250.00				MinPts			
	9436.74	35.42	9412.52	9401.32	421.16	OSF1.50	640.00	638.80				MINPT-O-EOU			
	9446.06	46.66	9414.34	9399.40	315.88	OSF1.50	830.00	826.05				MinPt-O-ADP			
	4132.94	589.85	3739.17	3543.09	10.53	OSF1.50	18510.00	7650.00				MinPt-CtCt			
	4133.29	590.86	3738.84	3542.42	10.52	OSF1.50	18560.00	7650.00				MINPT-O-EOU			
	4133.79	591.46	3738.95	3542.33	10.51	OSF1.50	18590.00	7650.00				MinPt-O-ADP			
	4135.78	592.79	3740.05	3542.99	10.49	OSF1.50	18659.58	7650.00				MinPt-O-SF			
Blue 3-65 32-33 1H GYRO+MWD 0' to 17393' - PR (Def Survey)														Pass	
	10462.14	32.81	10460.18	10429.33	75209.73	MAS = 10.00 (m)	0.00	0.00				Surface	TD		
	10462.11	32.81	10460.13	10429.30	62309.40	MAS = 10.00 (m)	28.00	28.00				WRP			
	10462.11	32.81	10460.11	10429.30	57125.44	MAS = 10.00 (m)	40.00	40.00				MinPts			
	10461.84	32.81	10459.09	10429.03	11181.64	MAS = 10.00 (m)	270.00	270.00				MinPts			
	10461.88	32.81	10459.11	10429.07	10951.48	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF			
	4311.93	373.09	4062.67	3938.84	17.40	OSF1.50	18659.58	7650.00				MinPts			