

COG

SURVEY REPORT

WHITE FALCON 16 STATE COM #23H

NORAM #23

11/26/2017

This survey is correct to the best of my knowledge and is supported by actual field data.

Kolton Cotton

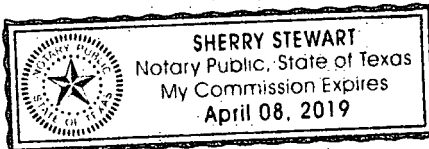
Notarized this date 9 of February, 2018.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The Ultimate Partner In Wellbore Placement

CUSTOMER COG
PROJECT White Falcon 16 State Com #23H
FIELD White Falcon 16 State Com #23H

SDI JOB NO. OP.006130
SDI DISTRICT Midland
SDI KIT/UNIT

SITE INFORMATION

Site Name White Falcon 16 State Com #23H
Lat/Long 32.13689° N, 103.377934° W
Northing 414,834.2 ft
Easting 795,733.9 ft

Section
Township
Range

MAP INFORMATION

North Reference Grid North
Grid Correction -0.51 deg
System US State Plane 1983
Datum North American Datum 1983 (GRS 1980)
Map Zone New Mexico East: 3001



WELL INFORMATION

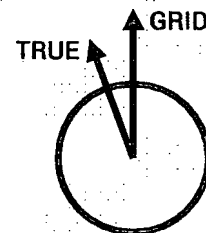
Lat/Long 32.13689° N, 103.377934° W
Northing 414,834.2 ft
Easting 795,733.9 ft
UWI 30-025-4369900

DEPTH AND ELEVATION REFERENCE

Ground Level 3257.4 ft above Mean Sea Level
Reference Datum RKB
Reference Height 30.5 ft above G.L.
Reference Elevation 3287.9 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 179.48°
Calculation Method Minimum Curvature



LOCAL GRAVITY REFERENCE INFORMATION

Local Gravity 998.507 mG [computed]
True to Grid subtract 0.51°

WELL NOTES

Keeper Gyro Wireline Survey

OPERATORS

Nathan Yerby

SDI Operator Name (Printed)

SIGNATURE

DATE

MD	INC	AZIM	TVD	VS	IN/S	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.07	168.03	100.00	0.06	-0.06	0.01	0.07	0.06	168.03
125.00	0.10	175.30	125.00	0.10	-0.10	0.02	0.10	0.10	169.56
150.00	0.16	128.30	150.00	0.14	-0.14	0.05	0.49	0.15	161.17
175.00	0.27	95.81	175.00	0.17	-0.17	0.14	0.64	0.22	141.28
200.00	0.38	97.50	200.00	0.19	-0.19	0.28	0.44	0.33	123.81
225.00	0.55	89.47	225.00	0.20	-0.20	0.48	0.74	0.52	112.11
250.00	0.65	89.28	250.00	0.20	-0.19	0.74	0.36	0.77	104.52
275.00	0.90	90.64	274.99	0.20	-0.19	1.08	1.04	1.10	100.12
300.00	1.16	89.76	299.99	0.21	-0.19	1.53	1.02	1.54	97.22
325.00	1.31	90.94	324.98	0.22	-0.20	2.07	0.60	2.08	95.46
350.00	1.43	86.24	349.98	0.21	-0.18	2.66	0.66	2.67	93.90
375.00	1.73	84.73	374.97	0.16	-0.13	3.35	1.23	3.35	92.16
400.00	1.87	77.70	399.96	0.04	0.00	4.12	1.04	4.12	90.07
425.00	1.84	79.51	424.94	-0.11	0.16	4.92	0.27	4.92	88.19
450.00	1.91	75.38	449.93	-0.28	0.33	5.72	0.61	5.73	86.66
475.00	1.97	74.37	474.92	-0.50	0.55	6.53	0.28	6.56	85.15
500.00	2.10	70.83	499.90	-0.75	0.82	7.38	0.71	7.43	83.65
525.00	2.14	66.14	524.88	-1.09	1.16	8.24	0.72	8.32	81.99
550.00	2.15	61.30	549.86	-1.49	1.57	9.08	0.72	9.21	80.16
575.00	2.21	57.49	574.85	-1.97	2.06	9.90	0.63	10.11	78.25
600.00	2.27	57.26	599.83	-2.49	2.58	10.72	0.27	11.03	76.44
625.00	2.26	55.22	624.81	-3.03	3.13	11.54	0.33	11.96	74.81
650.00	2.29	54.98	649.79	-3.59	3.70	12.35	0.12	12.90	73.32
675.00	2.25	54.51	674.77	-4.15	4.27	13.16	0.17	13.84	72.02
700.00	2.31	55.45	699.75	-4.72	4.84	13.98	0.27	14.79	70.89
725.00	2.28	55.02	724.73	-5.28	5.41	14.80	0.11	15.76	69.91
750.00	2.35	55.34	749.71	-5.85	5.99	15.63	0.26	16.74	69.03
775.00	2.38	52.32	774.69	-6.45	6.60	16.46	0.52	17.74	68.15
800.00	2.44	53.82	799.67	-7.08	7.23	17.30	0.35	18.75	67.32
825.00	2.44	55.22	824.64	-7.69	7.85	18.17	0.24	19.79	66.63
850.00	2.52	56.11	849.62	-8.29	8.46	19.06	0.37	20.86	66.07

MD	INC	AZIM	TVD	VS	AN/S	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%100R	ft	deg
875.00	2.77	56.86	874.59	-8.91	9.10	20.02	0.99	21.99	65.57
900.00	2.80	57.22	899.56	-9.57	9.76	21.04	0.15	23.19	65.12
925.00	2.82	58.25	924.53	-10.21	10.41	22.08	0.22	24.41	64.75
950.00	2.92	55.90	949.50	-10.88	11.09	23.13	0.62	25.65	64.38
975.00	3.05	55.42	974.47	-11.61	11.83	24.21	0.50	26.94	63.96
1000.00	3.08	55.97	999.43	-12.35	12.58	25.31	0.18	28.26	63.57
1025.00	3.11	54.84	1024.40	-13.11	13.35	26.42	0.26	29.60	63.20
1050.00	3.17	55.52	1049.36	-13.88	14.13	27.55	0.30	30.96	62.85
1075.00	3.27	55.70	1074.32	-14.66	14.92	28.70	0.39	32.35	62.53
1100.00	3.25	55.70	1099.28	-15.45	15.72	29.88	0.08	33.76	62.24
1125.00	3.27	55.22	1124.24	-16.25	16.53	31.05	0.13	35.18	61.97
1150.00	3.30	55.98	1149.20	-17.05	17.34	32.23	0.22	36.60	61.72
1175.00	3.29	54.37	1174.15	-17.86	18.16	33.41	0.38	38.03	61.48
1200.00	3.27	54.35	1199.11	-18.68	18.99	34.57	0.08	39.45	61.22
1225.00	3.30	55.74	1224.07	-19.49	19.81	35.75	0.34	40.87	61.00
1250.00	3.31	55.37	1249.03	-20.29	20.63	36.93	0.11	42.30	60.82
1275.00	3.32	55.34	1273.99	-21.10	21.45	38.12	0.03	43.74	60.64
1300.00	3.34	56.14	1298.95	-21.91	22.27	39.32	0.20	45.19	60.48
1325.00	3.33	56.65	1323.90	-22.70	23.07	40.54	0.12	46.64	60.35
1350.00	3.28	55.76	1348.86	-23.49	23.87	41.73	0.28	48.08	60.23
1375.00	3.34	54.65	1373.82	-24.31	24.70	42.92	0.34	49.52	60.08
1400.00	2.87	50.58	1398.79	-25.11	25.51	43.99	2.07	50.86	59.89
1425.00	2.43	47.55	1423.76	-25.86	26.27	44.87	1.85	51.99	59.65
1450.00	1.96	42.23	1448.74	-26.53	26.94	45.55	2.03	52.92	59.39
1475.00	1.65	35.76	1473.73	-27.13	27.55	46.04	1.49	53.66	59.10
1500.00	1.04	20.48	1498.72	-27.63	28.06	46.33	2.82	54.17	58.80
1525.00	0.76	358.07	1523.72	-28.01	28.43	46.41	1.76	54.42	58.50
1550.00	0.66	342.85	1548.72	-28.32	28.74	46.36	0.86	54.54	58.21
1575.00	0.75	330.34	1573.71	-28.60	29.02	46.23	0.72	54.59	57.89
1600.00	0.71	327.78	1598.71	-28.87	29.29	46.07	0.20	54.59	57.55
1625.00	0.73	323.97	1623.71	-29.13	29.55	45.89	0.20	54.59	57.22
1650.00	0.74	322.62	1648.71	-29.39	29.81	45.70	0.09	54.56	56.89

MD ft	INC deg	AZIM deg	TVD ft	VS ft	#N/S ft	HE/W ft	DIS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
1675.00	0.70	318.96	1673.71	-29.64	30.05	45.50	0.24	54.53	56.56
1700.00	0.78	317.22	1698.70	-29.88	30.29	45.29	0.31	54.49	56.22
1725.00	0.82	326.02	1723.70	-30.16	30.57	45.07	0.51	54.46	55.86
1750.00	0.78	327.77	1748.70	-30.45	30.86	44.88	0.18	54.47	55.49
1775.00	0.81	331.89	1773.70	-30.75	31.16	44.71	0.27	54.49	55.13
1800.00	0.76	325.53	1798.69	-31.04	31.45	44.53	0.41	54.52	54.77
1825.00	0.70	321.35	1823.69	-31.30	31.71	44.34	0.33	54.51	54.43
1850.00	0.70	315.34	1848.69	-31.53	31.93	44.14	0.29	54.48	54.12
1875.00	0.58	292.59	1873.69	-31.69	32.09	43.92	1.11	54.39	53.84
1900.00	0.60	283.83	1898.69	-31.77	32.17	43.67	0.37	54.24	53.62
1925.00	0.65	279.52	1923.69	-31.83	32.22	43.41	0.28	54.06	53.41
1950.00	0.70	264.85	1948.68	-31.84	32.23	43.12	0.71	53.83	53.22
1975.00	0.58	258.26	1973.68	-31.80	32.19	42.84	0.55	53.59	53.08
2000.00	0.58	258.81	1998.68	-31.76	32.14	42.59	0.02	53.36	52.96
2025.00	0.60	257.07	2023.68	-31.70	32.09	42.34	0.11	53.13	52.84
2050.00	0.41	255.52	2048.68	-31.65	32.04	42.13	0.76	52.92	52.75
2075.00	0.11	110.44	2073.68	-31.62	32.01	42.06	2.03	52.85	52.73
2100.00	0.62	96.81	2098.68	-31.60	31.98	42.22	2.05	52.96	52.85
2125.00	0.74	94.27	2123.68	-31.57	31.95	42.51	0.48	53.18	53.07
2150.00	0.87	99.34	2148.67	-31.52	31.91	42.86	0.62	53.44	53.33
2175.00	0.90	99.52	2173.67	-31.45	31.85	43.24	0.09	53.70	53.63
2200.00	0.88	92.93	2198.67	-31.41	31.81	43.63	0.41	53.99	53.91
2225.00	0.87	97.48	2223.67	-31.37	31.77	44.01	0.28	54.28	54.17
2250.00	0.29	74.79	2248.66	-31.36	31.76	44.25	2.45	54.47	54.33
2275.00	0.27	344.17	2273.66	-31.43	31.84	44.30	1.58	54.55	54.30
2300.00	0.57	326.59	2298.66	-31.59	32.00	44.21	1.32	54.58	54.11
2325.00	0.84	321.20	2323.66	-31.84	32.24	44.03	1.10	54.57	53.78
2350.00	0.95	320.32	2348.66	-32.15	32.55	43.78	0.44	54.55	53.37
2375.00	0.88	322.88	2373.65	-32.46	32.86	43.53	0.32	54.54	52.95
2400.00	0.83	321.93	2398.65	-32.76	33.15	43.31	0.21	54.54	52.56
2425.00	0.80	326.02	2423.65	-33.05	33.44	43.10	0.26	54.55	52.19
2450.00	0.80	318.31	2448.65	-33.33	33.72	42.88	0.43	54.55	51.82

MD	INC	AZIM	TVD	VS	+N/S	+E/W	DES	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
2475.00	0.84	319.10	2473.64	-33.60	33.99	42.65	0.17	54.53	51.45
2500.00	0.88	318.24	2498.64	-33.88	34.27	42.40	0.14	54.52	51.05
2525.00	0.84	322.67	2523.64	-34.17	34.56	42.16	0.30	54.51	50.66
2550.00	0.82	325.11	2548.64	-34.47	34.85	41.95	0.17	54.53	50.28
2575.00	0.87	322.34	2573.63	-34.77	35.15	41.73	0.25	54.56	49.89
2600.00	0.85	327.90	2598.63	-35.07	35.45	41.51	0.34	54.59	49.50
2625.00	0.86	329.87	2623.63	-35.39	35.77	41.32	0.12	54.65	49.12
2650.00	0.94	327.39	2648.62	-35.73	36.11	41.12	0.38	54.72	48.71
2675.00	1.01	329.74	2673.62	-36.10	36.47	40.90	0.31	54.80	48.28
2700.00	0.95	333.81	2698.62	-36.47	36.84	40.69	0.38	54.90	47.84
2725.00	0.96	332.44	2723.61	-36.85	37.21	40.51	0.10	55.01	47.43
2750.00	0.90	335.28	2748.61	-37.21	37.58	40.33	0.30	55.12	47.02
2775.00	0.90	332.74	2773.61	-37.57	37.93	40.16	0.16	55.24	46.63
2800.00	0.98	340.24	2798.60	-37.94	38.31	39.99	0.57	55.38	46.23
2825.00	0.98	340.77	2823.60	-38.35	38.71	39.85	0.04	55.56	45.83
2850.00	0.94	340.54	2848.60	-38.74	39.11	39.71	0.17	55.73	45.44
2875.00	0.91	332.40	2873.59	-39.12	39.48	39.55	0.54	55.88	45.05
2900.00	0.80	334.11	2898.59	-39.45	39.81	39.38	0.45	56.00	44.69
2925.00	0.42	329.08	2923.59	-39.69	40.05	39.26	1.57	56.08	44.43
2950.00	0.06	207.55	2948.59	-39.76	40.11	39.20	1.81	56.09	44.34
2975.00	0.23	169.96	2973.59	-39.69	40.05	39.21	0.72	56.05	44.39
3000.00	0.21	150.80	2998.59	-39.61	39.96	39.24	0.30	56.01	44.48
3025.00	0.24	152.02	3023.59	-39.52	39.88	39.28	0.13	55.98	44.57
3050.00	0.29	152.99	3048.59	-39.42	39.77	39.34	0.18	55.94	44.68
3075.00	0.18	176.22	3073.59	-39.32	39.68	39.37	0.56	55.90	44.77
3100.00	0.19	150.36	3098.59	-39.25	39.61	39.39	0.33	55.86	44.84
3125.00	0.31	117.63	3123.59	-39.18	39.54	39.47	0.72	55.87	44.95
3150.00	0.40	134.51	3148.59	-39.09	39.45	39.59	0.55	55.89	45.11
3175.00	0.28	104.39	3173.59	-39.01	39.37	39.72	0.84	55.92	45.25
3200.00	0.30	86.92	3198.59	-39.00	39.36	39.84	0.36	56.00	45.35
3225.00	0.43	85.04	3223.59	-39.01	39.37	40.00	0.54	56.12	45.45
3250.00	0.38	68.06	3248.59	-39.04	39.41	40.17	0.52	56.27	45.55

MD	INC	AZIM	TVD	VS	HVS	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	7400ft	ft	deg
3275.00	0.41	63.42	3273.59	-39.11	39.48	40.33	0.16	56.44	45.61
3300.00	0.47	63.84	3298.58	-39.20	39.57	40.50	0.28	56.62	45.67
3325.00	0.43	66.92	3323.58	-39.28	39.65	40.68	0.20	56.80	45.74
3350.00	0.53	83.15	3348.58	-39.33	39.70	40.88	0.68	56.98	45.84
3375.00	0.47	63.11	3373.58	-39.38	39.76	41.09	0.74	57.18	45.94
3400.00	0.55	57.51	3398.58	-39.49	39.87	41.28	0.37	57.39	46.00
3425.00	0.64	67.55	3423.58	-39.61	39.99	41.51	0.56	57.64	46.07
3450.00	0.65	66.54	3448.58	-39.72	40.10	41.77	0.05	57.90	46.17
3475.00	0.69	61.09	3473.58	-39.84	40.23	42.03	0.31	58.18	46.26
3500.00	1.00	66.22	3498.57	-40.00	40.39	42.36	1.29	58.53	46.37
3525.00	1.09	63.60	3523.57	-40.19	40.58	42.78	0.41	58.96	46.51
3550.00	1.14	65.32	3548.56	-40.40	40.79	43.21	0.24	59.43	46.65
3575.00	1.14	65.48	3573.56	-40.60	41.00	43.67	0.01	59.90	46.81
3600.00	1.08	66.19	3598.55	-40.79	41.20	44.11	0.25	60.36	46.96
3625.00	1.14	62.07	3623.55	-41.00	41.41	44.55	0.40	60.82	47.09
3650.00	1.12	64.97	3648.55	-41.22	41.63	44.99	0.25	61.29	47.22
3675.00	1.12	69.52	3673.54	-41.40	41.82	45.44	0.35	61.75	47.38
3700.00	0.91	70.28	3698.54	-41.55	41.97	45.85	0.81	62.16	47.53
3725.00	0.70	67.76	3723.53	-41.67	42.10	46.18	0.86	62.49	47.65
3750.00	0.39	50.63	3748.53	-41.78	42.21	46.39	1.40	62.72	47.70
3775.00	0.23	246.58	3773.53	-41.82	42.24	46.41	2.46	62.76	47.69
3800.00	0.66	246.95	3798.53	-41.74	42.16	46.23	1.70	62.57	47.64
3825.00	0.96	256.78	3823.53	-41.64	42.06	45.90	1.33	62.26	47.50
3850.00	1.02	256.81	3848.53	-41.55	41.96	45.48	0.27	61.88	47.30
3875.00	0.98	254.37	3873.52	-41.44	41.85	45.05	0.23	61.49	47.11
3900.00	1.07	254.23	3898.52	-41.33	41.73	44.62	0.35	61.09	46.92
3925.00	1.00	254.68	3923.51	-41.21	41.61	44.18	0.29	60.69	46.72
3950.00	0.97	249.03	3948.51	-41.08	41.48	43.78	0.40	60.30	46.54
3975.00	1.02	253.26	3973.51	-40.94	41.34	43.36	0.34	59.91	46.37
4000.00	1.08	256.57	3998.50	-40.83	41.22	42.92	0.35	59.51	46.16
4025.00	1.01	258.89	4023.50	-40.73	41.12	42.48	0.35	59.12	45.93
4050.00	1.00	257.39	4048.49	-40.65	41.03	42.05	0.11	58.75	45.70

MDL	INC	AZIM	TVD	VS	IN/S	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
4075.00	1.04	256.49	4073.49	-40.55	40.93	41.62	0.19	58.37	45.48
4100.00	1.03	258.88	4098.49	-40.46	40.83	41.18	0.18	57.99	45.24
4125.00	0.98	257.02	4123.48	-40.37	40.74	40.75	0.23	57.62	45.00
4150.00	0.22	234.72	4148.48	-40.30	40.67	40.50	3.11	57.39	44.88
4175.00	0.29	117.05	4173.48	-40.24	40.61	40.52	1.75	57.37	44.93
4200.00	0.72	102.08	4198.48	-40.18	40.55	40.73	1.80	57.47	45.13
4225.00	1.26	95.65	4223.48	-40.11	40.49	41.15	2.20	57.73	45.47
4250.00	1.45	95.67	4248.47	-40.05	40.43	41.74	0.75	58.11	45.91
4275.00	1.60	95.09	4273.46	-39.98	40.37	42.41	0.62	58.55	46.41
4300.00	2.08	98.02	4298.45	-39.88	40.27	43.20	1.93	59.06	47.01
4325.00	2.16	97.10	4323.43	-39.75	40.15	44.12	0.37	59.65	47.69
4350.00	2.34	99.08	4348.41	-39.60	40.01	45.09	0.78	60.29	48.41
4375.00	2.36	98.12	4373.39	-39.44	39.86	46.11	0.19	60.95	49.15
4400.00	2.31	98.39	4398.37	-39.28	39.71	47.12	0.21	61.62	49.87
4425.00	2.32	100.33	4423.35	-39.11	39.55	48.11	0.32	62.28	50.58
4450.00	2.19	104.20	4448.33	-38.89	39.34	49.08	0.81	62.90	51.28
4475.00	1.68	110.19	4473.31	-38.64	39.10	49.88	2.20	63.38	51.91
4500.00	1.30	124.25	4498.31	-38.35	38.81	50.46	2.09	63.66	52.43
4525.00	0.96	150.44	4523.30	-38.01	38.47	50.80	2.45	63.72	52.86
4550.00	0.91	168.80	4548.30	-37.63	38.09	50.94	1.21	63.61	53.21
4575.00	0.94	170.10	4573.29	-37.23	37.69	51.02	0.14	63.43	53.54
4600.00	1.00	163.50	4598.29	-36.82	37.28	51.11	0.50	63.27	53.89
4625.00	1.00	170.02	4623.29	-36.39	36.86	51.21	0.46	63.10	54.26
4650.00	0.95	166.66	4648.28	-35.97	36.44	51.30	0.33	62.92	54.61
4675.00	1.05	142.50	4673.28	-35.59	36.06	51.49	1.73	62.86	54.99
4700.00	1.31	132.87	4698.27	-35.21	35.68	51.83	1.29	62.93	55.46
4725.00	1.53	123.90	4723.27	-34.82	35.30	52.32	1.25	63.12	55.99
4750.00	1.71	117.39	4748.26	-34.46	34.94	52.93	1.05	63.42	56.57
4775.00	1.68	118.64	4773.25	-34.11	34.60	53.58	0.21	63.78	57.15
4800.00	1.62	110.88	4798.24	-33.80	34.29	54.23	0.92	64.17	57.69
4825.00	1.34	95.22	4823.23	-33.64	34.14	54.85	1.95	64.61	58.10
4850.00	1.25	81.61	4848.22	-33.65	34.16	55.42	1.28	65.10	58.35

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
4875.00	1.30	79.20	4873.22	-33.74	34.25	55.97	0.29	65.61	58.54
4900.00	0.81	72.78	4898.21	-33.84	34.35	56.41	2.02	66.05	58.66
4925.00	0.44	51.77	4923.21	-33.95	34.47	56.66	1.70	66.32	58.69
4950.00	0.35	14.25	4948.21	-34.08	34.60	56.75	1.08	66.47	58.63
4975.00	0.40	358.04	4973.21	-34.25	34.76	56.77	0.46	66.56	58.52
5000.00	0.34	3.64	4998.21	-34.41	34.92	56.77	0.28	66.65	58.40
5025.00	0.31	17.02	5023.21	-34.55	35.06	56.79	0.32	66.74	58.31
5050.00	0.22	17.16	5048.21	-34.66	35.17	56.83	0.35	66.83	58.24
5075.00	0.28	23.12	5073.21	-34.76	35.28	56.87	0.23	66.92	58.19
5100.00	0.31	18.71	5098.21	-34.88	35.40	56.91	0.15	67.02	58.12
5125.00	0.27	20.96	5123.21	-35.00	35.51	56.95	0.14	67.12	58.05
5150.00	0.25	13.13	5148.21	-35.11	35.62	56.99	0.17	67.21	57.99
5175.00	0.34	5.92	5173.21	-35.23	35.75	57.01	0.37	67.29	57.91
5200.00	0.36	15.91	5198.21	-35.38	35.90	57.04	0.26	67.39	57.81
5225.00	0.33	21.74	5223.20	-35.52	36.04	57.08	0.18	67.51	57.73
5250.00	0.32	33.17	5248.20	-35.64	36.16	57.15	0.26	67.63	57.67
5275.00	0.30	31.97	5273.20	-35.76	36.28	57.22	0.08	67.75	57.63
5300.00	0.28	7.87	5298.20	-35.87	36.39	57.26	0.49	67.85	57.56
5325.00	0.28	22.87	5323.20	-35.99	36.51	57.30	0.29	67.94	57.49
5350.00	0.31	23.68	5348.20	-36.11	36.63	57.35	0.10	68.05	57.43
5375.00	0.28	27.66	5373.20	-36.22	36.74	57.40	0.15	68.16	57.38
5400.00	0.31	27.78	5398.20	-36.33	36.86	57.46	0.14	68.27	57.32
5425.00	0.36	23.07	5423.20	-36.47	36.99	57.52	0.21	68.39	57.26
5450.00	0.37	18.98	5448.20	-36.61	37.14	57.58	0.11	68.52	57.18
5475.00	0.39	29.25	5473.20	-36.76	37.29	57.65	0.29	68.66	57.11
5500.00	0.33	45.02	5498.20	-36.89	37.41	57.74	0.46	68.80	57.06
5525.00	0.35	38.44	5523.20	-37.00	37.52	57.84	0.18	68.94	57.03
5550.00	0.34	33.58	5548.20	-37.12	37.64	57.93	0.12	69.09	56.98
5575.00	0.39	32.58	5573.20	-37.25	37.78	58.02	0.20	69.23	56.93
5600.00	0.40	21.30	5598.20	-37.40	37.93	58.09	0.31	69.38	56.86
5625.00	0.53	20.84	5623.20	-37.59	38.12	58.17	0.52	69.55	56.76
5650.00	0.55	28.95	5648.20	-37.80	38.33	58.27	0.32	69.74	56.66

MD ft	INC deg	AZIM deg	TVD ft	VS ft	INCL ft	HEAV ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
5675.00	0.46	27.49	5673.20	-38.00	38.53	58.37	0.37	69.94	56.57
5700.00	0.55	36.77	5698.19	-38.18	38.71	58.49	0.49	70.14	56.50
5725.00	0.48	40.88	5723.19	-38.35	38.89	58.63	0.33	70.35	56.44
5750.00	0.46	42.81	5748.19	-38.50	39.04	58.76	0.10	70.55	56.40
5775.00	0.50	33.47	5773.19	-38.67	39.20	58.89	0.35	70.75	56.35
5800.00	0.66	34.83	5798.19	-38.87	39.41	59.03	0.64	70.98	56.27
5825.00	0.67	32.75	5823.19	-39.11	39.65	59.19	0.12	71.25	56.18
5850.00	0.73	37.38	5848.19	-39.36	39.90	59.37	0.31	71.53	56.10
5875.00	0.70	39.11	5873.18	-39.60	40.14	59.56	0.14	71.83	56.02
5900.00	0.71	37.27	5898.18	-39.84	40.38	59.75	0.11	72.12	55.95
5925.00	0.73	46.54	5923.18	-40.07	40.62	59.96	0.47	72.42	55.89
5950.00	0.69	42.10	5948.18	-40.29	40.84	60.18	0.26	72.73	55.84
5975.00	0.80	65.48	5973.18	-40.47	41.02	60.44	1.28	73.04	55.83
6000.00	0.68	33.59	5998.18	-40.67	41.22	60.68	1.69	73.35	55.81
6025.00	0.57	32.84	6023.17	-40.89	41.44	60.83	0.44	73.60	55.73
6050.00	0.60	29.64	6048.17	-41.11	41.66	60.96	0.19	73.84	55.65
6075.00	0.49	18.08	6073.17	-41.32	41.88	61.06	0.64	74.04	55.55
6100.00	0.64	14.47	6098.17	-41.56	42.11	61.12	0.63	74.23	55.43
6125.00	0.64	7.87	6123.17	-41.83	42.39	61.18	0.29	74.43	55.28
6150.00	0.63	3.92	6148.17	-42.10	42.66	61.21	0.18	74.61	55.12
6175.00	0.56	3.50	6173.17	-42.36	42.92	61.22	0.27	74.77	54.97
6200.00	0.50	359.41	6198.16	-42.59	43.15	61.23	0.27	74.91	54.83
6225.00	0.46	354.18	6223.16	-42.80	43.36	61.22	0.25	75.02	54.69
6250.00	0.48	349.36	6248.16	-43.01	43.56	61.19	0.17	75.11	54.55
6275.00	0.55	358.79	6273.16	-43.23	43.79	61.17	0.46	75.22	54.40
6300.00	0.55	358.85	6298.16	-43.47	44.03	61.16	0.02	75.36	54.25
6325.00	0.57	4.72	6323.16	-43.71	44.27	61.17	0.24	75.51	54.10
6350.00	0.60	4.41	6348.16	-43.97	44.52	61.19	0.12	75.67	53.96
6375.00	0.55	7.97	6373.16	-44.22	44.77	61.22	0.23	75.84	53.82
6400.00	0.57	1.07	6398.16	-44.46	45.02	61.24	0.27	76.00	53.68
6425.00	0.61	3.05	6423.15	-44.72	45.27	61.24	0.19	76.16	53.53
6450.00	0.57	6.81	6448.15	-44.97	45.53	61.27	0.23	76.33	53.38

MD ft	INC deg	AZIM deg	TVD ft	VS ft	CH/S ft	HEAW ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
6475.00	0.56	2.58	6473.15	-45.22	45.77	61.29	0.17	76.49	53:24
6500.00	0.60	358.45	6498.15	-45.47	46.03	61.29	0.25	76.65	53.09
6525.00	0.63	3.22	6523.15	-45.74	46.30	61.29	0.24	76.81	52.94
6550.00	0.59	6.88	6548.15	-46.00	46.56	61.32	0.24	76.99	52:79
6575.00	0.53	0.17	6573.15	-46.25	46.81	61.33	0.34	77.15	52.65
6600.00	0.49	345.15	6598.15	-46.47	47.02	61.30	0.56	77.26	52.51
6625.00	0.57	342.26	6623.14	-46.69	47.25	61.24	0.34	77.35	52.35
6650.00	0.56	345.17	6648.14	-46.93	47.48	61.17	0.12	77.44	52.18
6675.00	0.61	346.10	6673.14	-47.17	47.73	61.11	0.19	77.54	52.01
6700.00	0.60	339.86	6698.14	-47.42	47.98	61.03	0.26	77.63	51.83
6725.00	0.68	335.65	6723.14	-47.68	48.24	60.92	0.38	77.71	51.63
6750.00	0.67	336.68	6748.14	-47.95	48.51	60.81	0.08	77.78	51.42
6775.00	0.68	341.56	6773.14	-48.23	48.78	60.70	0.24	77.87	51.21
6800.00	0.65	341.58	6798.13	-48.51	49.06	60.61	0.13	77.98	51:01
6825.00	0.57	334.11	6823.13	-48.76	49.31	60.51	0.45	78.05	50.82
6850.00	0.60	338.78	6848.13	-48.99	49.54	60.41	0.22	78.12	50.64
6875.00	0.62	327.45	6873.13	-49.23	49.78	60.29	0.49	78.18	50.45
6900.00	0.65	340.15	6898.13	-49.48	50.03	60.17	0.57	78.25	50.26
6925.00	0.71	334.26	6923.13	-49.75	50.30	60.05	0.37	78.33	50.05
6950.00	0.70	332.78	6948.12	-50.03	50.58	59.91	0.09	78.40	49.83
6975.00	0.80	341.54	6973.12	-50.33	50.88	59.79	0.59	78.50	49.60
7000.00	0.71	335.43	6998.12	-50.64	51.18	59.67	0.46	78.61	49.38
7025.00	0.70	340.61	7023.12	-50.92	51.47	59.55	0.26	78.71	49.17
7050.00	0.65	342.09	7048.12	-51.20	51.75	59.46	0.21	78.82	48.97
7075.00	0.57	332.12	7073.12	-51.45	51.99	59.36	0.53	78.91	48.79
7100.00	0.58	322.24	7098.11	-51.66	52.20	59.22	0.40	78.94	48.61
7125.00	0.57	316.15	7123.11	-51.85	52.39	59.06	0.25	78.95	48.42
7150.00	0.58	324.79	7148.11	-52.05	52.58	58.90	0.35	78.95	48.24
7175.00	0.51	320.95	7173.11	-52.24	52.77	58.75	0.33	78.98	48.07
7200.00	0.53	315.46	7198.11	-52.41	52.94	58.60	0.21	78.98	47.91
7225.00	0.60	319.53	7223.11	-52.59	53.12	58.44	0.33	78.97	47.73
7250.00	0.64	314.01	7248.11	-52.79	53.32	58.25	0.28	78.97	47.53

MD	INC	AZIM	TVD	VS	+N/S	+E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
7275.00	0.62	322.37	7273.11	-52.99	53.52	58.07	0.38	78.97	47.33
7300.00	0.60	323.96	7298.10	-53.21	53.73	57.91	0.08	79.00	47.14
7325.00	0.58	316.75	7323.10	-53.41	53.93	57.75	0.31	79.02	46.96
7350.00	0.59	317.20	7348.10	-53.60	54.12	57.57	0.05	79.02	46.77
7375.00	0.61	319.06	7373.10	-53.79	54.32	57.40	0.12	79.02	46.58
7400.00	0.68	324.42	7398.10	-54.02	54.54	57.22	0.36	79.05	46.38
7425.00	0.71	324.07	7423.10	-54.26	54.78	57.05	0.12	79.09	46.16
7450.00	0.72	328.84	7448.09	-54.52	55.04	56.87	0.24	79.15	45.94
7475.00	0.61	325.47	7473.09	-54.77	55.29	56.72	0.44	79.21	45.73
7500.00	0.70	322.23	7498.09	-55.00	55.52	56.55	0.38	79.25	45.53
7525.00	0.80	323.93	7523.09	-55.27	55.78	56.35	0.42	79.29	45.29
7550.00	0.80	326.87	7548.09	-55.56	56.07	56.15	0.16	79.35	45.04
7575.00	0.77	328.59	7573.08	-55.85	56.36	55.97	0.18	79.43	44.80
7600.00	0.84	323.35	7598.08	-56.14	56.65	55.77	0.41	79.50	44.56
7625.00	0.94	326.88	7623.08	-56.46	56.97	55.55	0.47	79.57	44.28
7650.00	0.92	328.72	7648.08	-56.80	57.31	55.34	0.15	79.66	44.00
7675.00	0.96	326.26	7673.07	-57.15	57.65	55.12	0.23	79.76	43.71
7700.00	1.05	327.92	7698.07	-57.52	58.02	54.88	0.37	79.86	43.40
7725.00	1.06	329.95	7723.06	-57.92	58.42	54.64	0.16	79.99	43.09
7750.00	1.07	335.96	7748.06	-58.33	58.83	54.43	0.45	80.15	42.77
7775.00	1.11	333.07	7773.05	-58.76	59.26	54.22	0.27	80.32	42.46
7800.00	1.19	337.00	7798.05	-59.22	59.71	54.01	0.46	80.52	42.13
7825.00	1.25	335.41	7823.04	-59.71	60.20	53.80	0.26	80.74	41.78
7850.00	1.14	340.68	7848.04	-60.20	60.69	53.60	0.61	80.97	41.45
7875.00	1.20	332.49	7873.03	-60.67	61.15	53.40	0.71	81.19	41.13
7900.00	1.24	334.29	7898.03	-61.14	61.63	53.16	0.22	81.39	40.78
7925.00	1.23	333.96	7923.02	-61.63	62.11	52.93	0.03	81.60	40.43
7950.00	1.20	338.82	7948.02	-62.12	62.60	52.71	0.44	81.84	40.10
7975.00	1.09	337.41	7973.01	-62.58	63.06	52.53	0.42	82.07	39.79
8000.00	1.28	336.64	7998.01	-63.06	63.54	52.32	0.76	82.31	39.47
8025.00	1.32	339.75	8023.00	-63.59	64.07	52.11	0.32	82.59	39.12
8050.00	1.31	337.94	8047.99	-64.13	64.60	51.91	0.18	82.87	38.78

MD	INC	AZIM	TVD	VS	HW/S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
8075.00	1.29	339.07	8072.99	-64.66	65.13	51.70	0.14	83.16	38.44
8100.00	1.44	341.12	8097.98	-65.22	65.69	51.50	0.65	83.47	38.09
8125.00	1.35	343.88	8122.97	-65.80	66.27	51.31	0.45	83.81	37.75
8150.00	1.35	343.71	8147.97	-66.37	66.84	51.15	0.02	84.16	37.43
8175.00	1.35	346.96	8172.96	-66.94	67.41	51.00	0.31	84.53	37.11
8200.00	1.25	359.83	8197.95	-67.50	67.97	50.93	1.23	84.93	36.85
8225.00	1.29	29.47	8222.95	-68.01	68.48	51.07	2.59	85.43	36.71
8250.00	1.40	44.20	8247.94	-68.47	68.94	51.42	1.44	86.01	36.72
8275.00	1.51	43.87	8272.93	-68.93	69.40	51.86	0.46	86.64	36.77
8300.00	1.71	43.79	8297.92	-69.43	69.91	52.35	0.81	87.33	36.83
8325.00	1.61	48.72	8322.91	-69.92	70.41	52.87	0.71	88.05	36.90
8350.00	1.59	50.17	8347.90	-70.37	70.86	53.40	0.17	88.73	37.00
8375.00	1.69	47.04	8372.89	-70.84	71.33	53.93	0.52	89.43	37.09
8400.00	1.74	46.72	8397.88	-71.35	71.85	54.48	0.21	90.17	37.17
8425.00	1.66	47.48	8422.87	-71.85	72.35	55.02	0.33	90.90	37.25
8450.00	1.72	48.31	8447.86	-72.34	72.84	55.57	0.25	91.62	37.34
8475.00	1.72	49.83	8472.85	-72.82	73.34	56.14	0.18	92.36	37.43
8500.00	1.66	49.28	8497.84	-73.30	73.81	56.70	0.27	93.08	37.53
8525.00	1.73	48.33	8522.82	-73.78	74.30	57.25	0.32	93.80	37.62
8550.00	1.77	47.86	8547.81	-74.28	74.81	57.82	0.16	94.55	37.70
8575.00	1.74	49.39	8572.80	-74.78	75.32	58.40	0.22	95.30	37.79
8600.00	1.69	50.21	8597.79	-75.26	75.80	58.97	0.21	96.04	37.88
8625.00	1.69	51.26	8622.78	-75.72	76.27	59.54	0.13	96.75	37.98
8650.00	1.74	48.76	8647.77	-76.20	76.75	60.11	0.37	97.49	38.07
8675.00	1.83	48.35	8672.76	-76.71	77.26	60.70	0.37	98.25	38.15
8700.00	1.88	48.22	8697.74	-77.24	77.80	61.30	0.19	99.05	38.23
8725.00	1.81	50.10	8722.73	-77.76	78.33	61.91	0.37	99.84	38.32
8750.00	1.81	48.97	8747.72	-78.27	78.84	62.51	0.14	100.61	38.41
8775.00	1.75	48.58	8772.71	-78.77	79.35	63.09	0.23	101.37	38.49
8800.00	1.76	48.06	8797.69	-79.28	79.86	63.66	0.07	102.13	38.56
8825.00	1.85	48.77	8822.68	-79.80	80.38	64.25	0.38	102.91	38.64
8850.00	1.89	45.23	8847.67	-80.35	80.94	64.85	0.48	103.71	38.70

MD	INC	AZIM	TVD	VS	NN/S	HE/AW	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
8875.00	1.78	45.88	8872.66	-80.90	81.50	65.42	0.43	104.51	38.75
8900.00	1.90	46.91	8897.64	-81.45	82.05	66.00	0.50	105.30	38.81
8925.00	1.98	48.26	8922.63	-82.02	82.62	66.63	0.35	106.14	38.88
8950.00	1.91	49.81	8947.61	-82.57	83.18	67.27	0.35	106.98	38.96
8975.00	1.83	51.17	8972.60	-83.08	83.70	67.90	0.37	107.77	39.05
9000.00	1.74	51.42	8997.59	-83.56	84.19	68.50	0.35	108.54	39.14
9025.00	1.71	53.96	9022.58	-84.01	84.64	69.10	0.33	109.27	39.23
9050.00	1.77	53.17	9047.57	-84.46	85.09	69.71	0.26	110.00	39.33
9075.00	1.71	54.16	9072.55	-84.90	85.54	70.33	0.27	110.74	39.42
9100.00	1.72	57.14	9097.54	-85.32	85.97	70.94	0.36	111.46	39.53
9125.00	1.71	60.55	9122.53	-85.70	86.35	71.58	0.41	112.17	39.66
9150.00	1.66	64.17	9147.52	-86.04	86.70	72.24	0.48	112.85	39.80
9175.00	1.69	64.58	9172.51	-86.35	87.01	72.89	0.12	113.51	39.95
9200.00	1.63	66.56	9197.50	-86.64	87.31	73.55	0.33	114.16	40.11
9225.00	1.60	65.33	9222.49	-86.92	87.60	74.20	0.17	114.80	40.26
9250.00	1.66	67.68	9247.48	-87.20	87.88	74.85	0.35	115.43	40.42
9275.00	1.53	73.98	9272.47	-87.42	88.11	75.50	0.86	116.04	40.59
9300.00	1.53	71.92	9297.46	-87.61	88.31	76.14	0.22	116.60	40.77
9325.00	1.57	74.37	9322.45	-87.80	88.50	76.79	0.32	117.17	40.95
9350.00	1.43	79.13	9347.44	-87.95	88.65	77.43	0.77	117.70	41.13
9375.00	1.52	76.43	9372.43	-88.08	88.79	78.06	0.47	118.22	41.32
9400.00	1.50	76.84	9397.43	-88.22	88.94	78.70	0.09	118.76	41.50
9425.00	1.38	76.75	9422.42	-88.36	89.09	79.31	0.49	119.27	41.68
9450.00	1.35	80.94	9447.41	-88.47	89.20	79.89	0.42	119.75	41.85
9475.00	1.33	79.02	9472.40	-88.57	89.30	80.47	0.21	120.21	42.02
9500.00	1.35	79.59	9497.40	-88.67	89.41	81.04	0.10	120.67	42.19
9525.00	1.31	77.18	9522.39	-88.78	89.53	81.61	0.26	121.14	42.35
9550.00	1.27	78.30	9547.38	-88.90	89.65	82.16	0.20	121.60	42.50
9575.00	1.27	79.59	9572.38	-89.00	89.75	82.71	0.12	122.05	42.66
9600.00	1.18	81.13	9597.37	-89.09	89.84	83.23	0.40	122.47	42.81
9625.00	1.20	80.90	9622.37	-89.16	89.93	83.75	0.10	122.88	42.96
9650.00	1.25	81.25	9647.36	-89.24	90.01	84.28	0.17	123.30	43.12

MD	INC	AZIM	TVD	VS	HW-S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
9675.00	1.14	81.92	9672.36	-89.31	90.08	84.79	0.42	123.71	43.27
9700.00	1.14	75.92	9697.35	-89.40	90.18	85.28	0.48	124.12	43.40
9725.00	1.16	68.35	9722.35	-89.55	90.33	85.76	0.61	124.56	43.51
9750.00	1.08	67.28	9747.34	-89.73	90.52	86.21	0.31	125.00	43.60
9775.00	1.15	64.60	9772.34	-89.93	90.72	86.65	0.35	125.45	43.69
9800.00	1.13	67.60	9797.33	-90.13	90.92	87.11	0.26	125.91	43.77
9825.00	1.00	61.35	9822.33	-90.32	91.12	87.53	0.70	126.35	43.85
9850.00	1.03	57.24	9847.32	-90.54	91.34	87.91	0.32	126.77	43.90
9875.00	1.01	60.04	9872.32	-90.77	91.58	88.29	0.22	127.20	43.95
9900.00	1.10	55.73	9897.31	-91.01	91.82	88.68	0.47	127.65	44.00
9925.00	1.08	59.75	9922.31	-91.26	92.07	89.08	0.31	128.11	44.05
9950.00	0.97	56.13	9947.31	-91.49	92.31	89.46	0.54	128.55	44.10
9975.00	1.15	59.13	9972.30	-91.74	92.56	89.85	0.78	128.99	44.15
10000.00	1.08	61.48	9997.30	-91.98	92.80	90.27	0.34	129.46	44.21
10025.00	1.01	56.87	10022.29	-92.21	93.03	90.66	0.45	129.90	44.26
10050.00	1.03	56.33	10047.29	-92.45	93.28	91.03	0.08	130.34	44.30
10075.00	1.07	59.89	10072.28	-92.68	93.52	91.42	0.31	130.78	44.35
10100.00	1.02	61.01	10097.28	-92.90	93.74	91.82	0.21	131.22	44.41
10125.00	0.91	62.32	10122.28	-93.10	93.94	92.19	0.43	131.62	44.46
10150.00	0.89	68.43	10147.27	-93.26	94.11	92.55	0.40	131.99	44.52
10175.00	0.84	74.60	10172.27	-93.38	94.23	92.90	0.42	132.32	44.60
10200.00	0.79	80.50	10197.27	-93.45	94.30	93.25	0.38	132.62	44.68
10225.00	0.67	106.09	10222.27	-93.44	94.29	93.56	1.38	132.83	44.78
10250.00	0.98	148.46	10247.26	-93.21	94.07	93.82	2.65	132.85	44.92
10275.00	1.41	165.07	10272.26	-92.73	93.59	94.01	2.19	132.65	45.13
10300.00	1.91	171.48	10297.25	-92.02	92.88	94.15	2.13	132.25	45.39
10325.00	2.06	171.93	10322.23	-91.16	92.02	94.27	0.59	131.74	45.69
10350.00	2.20	172.91	10347.22	-90.24	91.10	94.39	0.58	131.19	46.02
10375.00	2.43	171.30	10372.20	-89.24	90.11	94.53	0.96	130.60	46.37
10400.00	2.41	171.62	10397.17	-88.20	89.06	94.69	0.10	129.99	46.75
10425.00	2.49	173.12	10422.15	-87.14	88.00	94.83	0.42	129.37	47.14
10450.00	2.45	171.27	10447.13	-86.07	86.94	94.98	0.36	128.76	47.53

MD ft	INC deg	AZIM deg	TVD ft	VS ft	IN/S ft	HE/W ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
10475.00	2.54	170.11	10472.10	-84.99	85.86	95.15	0.41	128.17	47.94
10500.00	2.60	170.01	10497.08	-83.89	84.76	95.35	0.24	127.57	48.37
10525.00	2.64	169.78	10522.05	-82.76	83.63	95.55	0.16	126.98	48.80
10550.00	2.64	170.54	10547.03	-81.63	82.50	95.74	0.14	126.38	49.25
10575.00	2.47	170.01	10572.00	-80.53	81.40	95.93	0.67	125.81	49.69
10600.00	2.46	166.05	10596.98	-79.47	80.35	96.16	0.68	125.31	50.12
10625.00	2.42	168.24	10621.96	-78.43	79.31	96.39	0.40	124.83	50.55
10650.00	2.10	160.13	10646.94	-77.48	78.36	96.66	1.82	124.43	50.97
10675.00	1.95	155.04	10671.92	-76.66	77.55	96.99	0.94	124.18	51.36
10700.00	1.78	152.70	10696.91	-75.93	76.81	97.35	0.76	124.01	51.72
10725.00	1.89	147.72	10721.89	-75.23	76.12	97.75	0.78	123.89	52.09
10750.00	1.96	151.56	10746.88	-74.50	75.40	98.17	0.59	123.78	52.48
10775.00	1.93	149.87	10771.87	-73.76	74.66	98.59	0.27	123.66	52.86
10800.00	1.99	147.70	10796.85	-73.02	73.93	99.03	0.39	123.58	53.26
10825.00	2.01	150.74	10821.84	-72.27	73.18	99.47	0.43	123.49	53.66
10850.00	2.06	149.55	10846.82	-71.50	72.41	99.92	0.25	123.39	54.07
10875.00	2.06	146.53	10871.80	-70.73	71.65	100.39	0.43	123.34	54.48
10900.00	2.10	144.02	10896.79	-69.99	70.90	100.91	0.39	123.33	54.91
10925.00	2.10	145.31	10921.77	-69.23	70.16	101.44	0.19	123.33	55.33
10950.00	2.16	143.75	10946.75	-68.47	69.40	101.98	0.32	123.35	55.76
10975.00	2.27	143.08	10971.74	-67.69	68.63	102.55	0.45	123.39	56.21
11000.00	2.30	145.39	10996.72	-66.88	67.82	103.13	0.39	123.43	56.67
11025.00	2.36	144.48	11021.69	-66.04	66.99	103.72	0.29	123.47	57.14
11050.00	2.42	144.47	11046.67	-65.19	66.14	104.32	0.23	123.52	57.63
11075.00	2.44	145.04	11071.65	-64.32	65.27	104.93	0.12	123.58	58.12
11100.00	2.45	143.87	11096.63	-63.44	64.41	105.55	0.20	123.65	58.61
11125.00	2.48	143.91	11121.60	-62.57	63.54	106.19	0.13	123.74	59.11
11150.00	2.27	143.08	11146.58	-61.73	62.70	106.80	0.87	123.85	59.58
11175.00	2.18	140.41	11171.56	-60.96	61.94	107.40	0.53	123.98	60.03
11200.00	1.99	138.07	11196.55	-60.27	61.25	108.00	0.84	124.16	60.44
11225.00	1.85	136.15	11221.53	-59.65	60.64	108.57	0.61	124.35	60.82
11250.00	1.77	134.25	11246.52	-59.08	60.08	109.12	0.40	124.57	61.17

MD	INC	AZIM	TVD	VS	HVS	HEAW	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
11275.00	1.62	132.82	11271.51	-58.57	59.57	109.66	0.63	124.79	61.49
11300.00	1.49	132.13	11296.50	-58.10	59.11	110.16	0.51	125.02	61.78
11325.00	1.49	131.47	11321.49	-57.67	58.67	110.65	0.07	125.24	62.06
11350.00	1.43	132.51	11346.48	-57.24	58.25	111.12	0.27	125.46	62.34
11375.00	1.46	135.99	11371.48	-56.79	57.81	111.57	0.38	125.66	62.61
11400.00	1.32	131.85	11396.47	-56.37	57.38	112.01	0.70	125.85	62.87
11425.00	1.39	134.57	11421.46	-55.96	56.98	112.44	0.37	126.05	63.13
11450.00	1.31	126.02	11446.45	-55.57	56.60	112.89	0.86	126.28	63.37
11475.00	1.45	143.49	11471.45	-55.15	56.18	113.31	1.76	126.47	63.63
11500.00	1.50	142.02	11496.44	-54.63	55.67	113.69	0.26	126.59	63.91
11525.00	1.54	140.72	11521.43	-54.11	55.15	114.11	0.21	126.74	64.21
11550.00	1.61	142.54	11546.42	-53.57	54.61	114.53	0.35	126.89	64.51
11575.00	1.74	147.15	11571.41	-52.97	54.01	114.95	0.76	127.01	64.83
11600.00	1.87	150.19	11596.40	-52.29	53.34	115.36	0.64	127.10	65.19
11625.00	1.86	148.19	11621.38	-51.59	52.64	115.78	0.26	127.18	65.55
11627.00	1.86	148.03	11623.38	-51.53	52.58	115.81	0.26	127.19	65.58