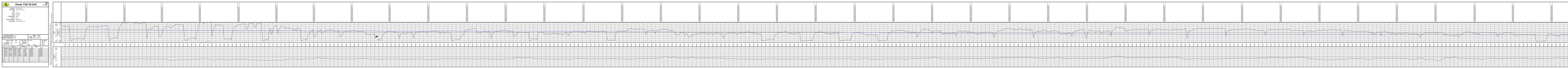

Oscar Y10-79-1HC

MD
5":100'

Company: Noble Energy
Well Name: Oscar Y10-79-1HC
API:
Rig Id: H&P 330
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: Driltech LLC
Job number: 2014-108-IDDT-CO

Log measurements: .5
Depth measured from: 1230
Maximum temperature: 245

	Depth	Date
Start:	1199 ft	3-15-14
End:	14740 ft	3-25-14

Casing	Depth	Size
Surface:	1175	9 5/8
Intermediate:	7505	7

Mud Type: Water Base
Density: 9.2
Viscosity: 35
Rm: **Rmf:** **Rmc:**

Elevations
KB: 30
GL: 0
DF: 31

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	8 3/4	38.00	55.00	1230	6417	3/16/14	3/17/14
2	8 3/4	37.00	53.00	6417	7461	3/18/14	3/19/14
3	8 3/4		34.00	7461	7512	3/19/14	3/19/14
4	6 1/8	44.00	58.00	7512	11907	3/21/14	3/23/14
5	6 1/8	43.00	57.00	11907	12933	3/23/14	3/24/14
6	6 1/8	43.00	57.00	12933	14740	3/24/14	3/25/14
7							
8							
9							
10							

Driltech LLC uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

#5 MD(1292.00) Inc(3.2) Azm(310.7) TVD(1291.93)
VS(0.98) NS(0.80) EW(-4.84) TEMP(129.2)

#6 MD(1386.00) Inc(5.4) Azm(313.6) TVD(1385.66)
VS(5.94) NS(5.56) EW(-10.03) TEMP(129.2)

#7 MD(1478.00) Inc(5.3) Azm(315.3) TVD(1477.26)
VS(12.17) NS(11.56) EW(-16.15) TEMP(129.2)

#8 MD(1571.00) Inc(7.3) Azm(303.6) TVD(1569.70)
VS(18.80) NS(17.89) EW(-24.10) TEMP(129.2)

#9 MD(1666.00) Inc(9.1) Azm(302.1) TVD(1663.72)
VS(26.56) NS(25.22) EW(-35.49) TEMP(129.2)

#10 MD(1759.00) Inc(10.4) Azm(300.5) TVD(1755.38)
VS(35.24) NS(33.39) EW(-48.95) TEMP(129.2)

#11 MD(1851.00) Inc(11.6) Azm(296.2) TVD(1845.69)
VS(44.13) NS(41.69) EW(-64.41) TEMP(129.2)

#12 MD(1944.00) Inc(11.2) Azm(296.3) TVD(1936.85)
VS(52.89) NS(49.82) EW(-80.89) TEMP(129.2)

#13 MD(2037.00) Inc(12.0) Azm(297.6) TVD(2027.95)
VS(62.00) NS(58.30) EW(-97.56) TEMP(129.2)

#14 MD(2132.00) Inc(11.2) Azm(295.0) TVD(2121.01)
VS(71.13) NS(66.77) EW(-114.67) TEMP(129.2)

#15 MD(2227.00) Inc(12.2) Azm(296.9) TVD(2214.04)
VS(80.23) NS(75.21) EW(-131.99) TEMP(129.2)

#16 MD(2322.00) Inc(11.5) Azm(296.6) TVD(2307.01)
VS(89.67) NS(84.00) EW(-149.41) TEMP(129.2)

#17 MD(2417.00) Inc(12.3) Azm(294.8) TVD(2399.97)
VS(98.83) NS(92.48) EW(-167.06) TEMP(129.2)

#18 MD(2513.00) Inc(11.3) Azm(295.0) TVD(2493.94)
VS(107.77) NS(100.74) EW(-184.87) TEMP(129.2)

#19 MD(2608.00) Inc(12.3) Azm(296.9) TVD(2586.93)
VS(116.94) NS(109.26) EW(-202.33) TEMP(129.2)

#20 MD(2703.00) Inc(11.3) Azm(294.7) TVD(2679.93)
VS(126.08) NS(117.72) EW(-219.81) TEMP(129.2)

#21 MD(2798.00) Inc(10.1) Azm(297.3) TVD(2773.27)
VS(134.39) NS(125.43) EW(-235.67) TEMP(129.2)

#22 MD(2893.00) Inc(10.0) Azm(297.8) TVD(2866.81)
VS(142.61) NS(133.10) EW(-250.36) TEMP(129.2)

#23 MD(2988.00) Inc(7.0) Azm(296.8) TVD(2960.76)
VS(149.55) NS(139.56) EW(-262.83) TEMP(129.2)

#24 MD(3083.00) Inc(4.3) Azm(293.3) TVD(3055.29)
VS(153.89) NS(143.58) EW(-271.27) TEMP(129.2)

#25 MD(3179.00) Inc(2.5) Azm(299.1) TVD(3151.12)
VS(156.52) NS(146.02) EW(-276.41) TEMP(129.2)

#26 MD(3274.00) Inc(1.3) Azm(293.3) TVD(3246.06)
VS(158.07) NS(147.46) EW(-279.21) TEMP(129.2)

#27 MD(3369.00) Inc(1.1) Azm(297.0) TVD(3341.04)
VS(158.97) NS(148.30) EW(-281.01) TEMP(129.2)

#28 MD(3464.00) Inc(1.3) Azm(280.0) TVD(3436.02)
VS(159.65) NS(148.90) EW(-282.88) TEMP(129.2)

#29 MD(3559.00) Inc(1.1) Azm(278.7) TVD(3531.00)
VS(160.05) NS(149.22) EW(-284.84) TEMP(129.2)

#30 MD(3654.00) Inc(1.2) Azm(261.5) TVD(3625.98)
VS(160.11) NS(149.21) EW(-286.73) TEMP(129.2)

#31 MD(3749.00) Inc(0.8) Azm(259.5) TVD(3720.97)
VS(159.91) NS(148.95) EW(-288.37) TEMP(129.2)

#32 MD(3844.00) Inc(0.3) Azm(158.7) TVD(3815.96)
VS(159.57) NS(148.59) EW(-288.93) TEMP(129.2)

#33 MD(3939.00) Inc(0.5) Azm(74.7) TVD(3910.96)
VS(159.43) NS(148.47) EW(-288.44) TEMP(129.2)

#34 MD(4034.00) Inc(0.4) Azm(67.9) TVD(4005.96)
VS(159.64) NS(148.70) EW(-287.73) TEMP(129.2)

#35 MD(4130.00) Inc(1.1) Azm(132.8) TVD(4101.95)
VS(159.10) NS(148.20) EW(-286.74) TEMP(129.2)

#36 MD(4225.00) Inc(1.1) Azm(142.2) TVD(4196.94)
VS(157.72) NS(146.86) EW(-285.52) TEMP(129.2)

#37 MD(4320.00) Inc(1.6) Azm(167.5) TVD(4291.91)
VS(155.67) NS(144.85) EW(-284.67) TEMP(129.2)

#38 MD(4415.00) Inc(1.8) Azm(155.4) TVD(4386.87)
VS(152.99) NS(142.20) EW(-283.76) TEMP(129.2)

#39 MD(4510.00) Inc(1.9) Azm(165.0) TVD(4481.82)
VS(150.07) NS(139.32) EW(-282.73) TEMP(129.2)

#40 MD(4605.00) Inc(2.4) Azm(163.0) TVD(4576.75)
VS(146.61) NS(135.90) EW(-281.74) TEMP(129.2)

#41 MD(4701.00) Inc(2.3) Azm(169.7) TVD(4672.67)
VS(142.76) NS(132.08) EW(-280.81) TEMP(129.2)

#42 MD(4795.00) Inc(2.3) Azm(158.1) TVD(4766.60)
VS(139.12) NS(128.47) EW(-279.77) TEMP(129.2)

#43 MD(4890.00) Inc(1.3) Azm(115.3) TVD(4861.55)
VS(136.83) NS(126.24) EW(-278.08) TEMP(129.2)

#44 MD(4985.00) Inc(1.1) Azm(107.3) TVD(4956.53) VS(136.02) NS(125.51) EW(-276.24) TEMP(129.2)

#45 MD(5080.00) Inc(1.5) Azm(116.2) TVD(5051.51) VS(135.13) NS(124.69) EW(-274.25) TEMP(129.2)

#46 MD(5175.00) Inc(1.1) Azm(116.7) TVD(5146.48) VS(134.10) NS(123.73) EW(-272.32) TEMP(129.2)

#47 MD(5271.00) Inc(1.3) Azm(122.9) TVD(5242.46) VS(133.02) NS(122.73) EW(-270.59) TEMP(129.2)

#48 MD(5366.00) Inc(0.4) Azm(251.2) TVD(5337.45) VS(132.31) NS(122.04) EW(-269.99) TEMP(129.2)

#49 MD(5461.00) Inc(0.4) Azm(143.8) TVD(5432.45) VS(131.94) NS(121.66) EW(-270.11) TEMP(129.2)

#50 MD(5556.00) Inc(1.3) Azm(337.9) TVD(5527.44) VS(132.68) NS(122.39) EW(-270.32) TEMP(129.2)

#51 MD(5651.00) Inc(1.6) Azm(335.2) TVD(5622.41) VS(134.92) NS(124.59) EW(-271.28) TEMP(129.2)

#52 MD(5746.00) Inc(1.5) Azm(1.2) TVD(5717.38) VS(137.38) NS(127.04) EW(-271.81) TEMP(129.2)

#53 MD(5841.00) Inc(2.0) Azm(4.5) TVD(5812.34) VS(140.27) NS(129.94) EW(-271.66) TEMP(129.2)

#54 MD(5936.00) Inc(1.6) Azm(349.1) TVD(5907.29) VS(143.23) NS(132.89) EW(-271.78) TEMP(129.2)

#55 MD(6031.00) Inc(1.4) Azm(358.4) TVD(6002.26) VS(145.70) NS(135.35) EW(-272.06) TEMP(129.2)

#56 MD(6126.00) Inc(1.1) Azm(14.8) TVD(6097.23) VS(147.73) NS(137.40) EW(-271.86) TEMP(129.2)

#57 MD(6221.00) Inc(1.6) Azm(19.6) TVD(6192.21) VS(149.83) NS(139.53) EW(-271.18) TEMP(129.2)

#58 MD(6317.00) Inc(1.8) Azm(20.4) TVD(6288.17) VS(152.42) NS(142.15) EW(-270.09) TEMP(129.2)

#59 MD(6362.00) Inc(1.8) Azm(13.0) TVD(6333.14) VS(153.72) NS(143.48) EW(-269.63) TEMP(129.2)

#60 MD(6404.00) Inc(2.0) Azm(23.2) TVD(6375.12) VS(155.02) NS(144.80) EW(-269.19) TEMP(129.2)

#61 MD(6451.00) Inc(5.1) Azm(352.3) TVD(6422.03) VS(157.84) NS(147.62) EW(-269.15) TEMP(129.2)

#62 MD(6500.00) Inc(9.9) Azm(347.1) TVD(6470.60) VS(164.15) NS(153.89) EW(-270.38) TEMP(129.2)

#63 MD(6547.00) Inc(14.4) Azm(346.3) TVD(6516.53) VS(173.86) NS(163.51) EW(-272.67) TEMP(129.2)

#64 MD(6595.00) Inc(19.2) Azm(352.0) TVD(6562.47) VS(187.57) NS(177.13) EW(-275.18) TEMP(129.2)

#65 MD(6642.00) Inc(22.8) Azm(359.2) TVD(6606.35) VS(204.37) NS(193.90) EW(-276.38) TEMP(129.2)

#66 MD(6690.00) Inc(26.9) Azm(0.9) TVD(6649.90) VS(224.52) NS(214.07) EW(-276.34) TEMP(129.2)

#67 MD(6737.00) Inc(30.9) Azm(2.2) TVD(6691.04) VS(247.17) NS(236.77) EW(-275.71) TEMP(129.2)

#68 MD(6785.00) Inc(33.8) Azm(3.4) TVD(6731.58) VS(272.76) NS(262.41) EW(-274.45) TEMP(129.2)

#69 MD(6832.00) Inc(35.4) Azm(2.9) TVD(6770.27) VS(299.33) NS(289.00) EW(-272.98) TEMP(129.2)

#70 MD(6880.00) Inc(38.2) Azm(2.9) TVD(6808.70) VS(327.98) NS(317.78) EW(-271.53) TEMP(129.2)

#71 MD(6927.00) Inc(41.0) Azm(2.4) TVD(6844.91) VS(357.81) NS(347.70) EW(-270.15) TEMP(129.2)

#72 MD(6975.00) Inc(44.1) Azm(1.2) TVD(6880.27) VS(390.19) NS(380.14) EW(-269.14) TEMP(129.2)

#73 MD(7022.00) Inc(46.8) Azm(0.0) TVD(6913.24) VS(423.64) NS(413.63) EW(-268.79) TEMP(129.2)

#74 MD(7070.00) Inc(50.8) Azm(356.7) TVD(6944.85) VS(459.73) NS(449.73) EW(-269.22) TEMP(129.2)

#75 MD(7117.00) Inc(53.8) Azm(358.9) TVD(6973.59) VS(496.91) NS(486.90) EW(-270.03) TEMP(129.2)

#76 MD(7165.00) Inc(56.3) Azm(358.6) TVD(7001.01) VS(536.29) NS(526.28) EW(-270.92) TEMP(129.2)

#77 MD(7212.00) Inc(60.9) Azm(358.6) TVD(7025.42) VS(576.44) NS(566.42) EW(-271.90) TEMP(129.2)

#78 MD(7260.00) Inc(66.7) Azm(358.1) TVD(7046.61) VS(619.49) NS(609.45) EW(-273.15) TEMP(129.2)

#79 MD(7307.00) Inc(71.0) Azm(357.9) TVD(7063.56) VS(663.31) NS(653.25) EW(-274.68) TEMP(129.2)

#80 MD(7355.00) Inc(74.2) Azm(358.6) TVD(7077.91) VS(709.11) NS(699.02) EW(-276.07) TEMP(129.2)

#81 MD(7402.00) Inc(77.5) Azm(358.6) TVD(7089.65) VS(755.64) NS(745.50) EW(-277.21) TEMP(129.2)

#82 MD(7465.00) Inc(82.7) Azm(358.9) TVD(7100.30) VS(816.69) NS(806.59) EW(-278.54) TEMP(129.2)

#83 MD(7503.00) Inc(90.0) Azm(358.6) TVD(7102.72) VS(854.58) NS(844.48) EW(-279.37) TEMP(129.2)

#84 MD(7534.00) Inc(90.6) Azm(356.5) TVD(7102.56) VS(885.58) NS(875.45) EW(-280.69) TEMP(129.2)

#85 MD(7629.00) Inc(92.4) Azm(0.2) TVD(7100.07) VS(980.52) NS(970.35) EW(-283.43) TEMP(129.2)

#86 MD(7725.00) Inc(91.3) Azm(358.3) TVD(7096.97) VS(1076.43) NS(1066.29) EW(-284.68) TEMP(129.2)

#87 MD(7820.00) Inc(90.9) Azm(358.6) TVD(7095.15) VS(1171.41) NS(1161.24) EW(-287.25) TEMP(129.2)

#88 MD(7915.00) Inc(91.5) Azm(1.3) TVD(7093.16) VS(1266.31) NS(1256.21) EW(-287.34) TEMP(129.2)

#89 MD(8010.00) Inc(90.4) Azm(359.7) TVD(7091.58) VS(1361.19) NS(1351.19) EW(-286.51) TEMP(129.2)

#90 MD(8105.00) Inc(89.4) Azm(359.6) TVD(7091.75) VS(1456.14) NS(1446.18) EW(-287.09) TEMP(129.2)

#91 MD(8200.00) Inc(89.2) Azm(1.7) TVD(7092.91) VS(1551.01) NS(1541.16) EW(-286.01) TEMP(129.2)

#92 MD(8296.00) Inc(89.8) Azm(2.6) TVD(7093.75) VS(1646.73) NS(1637.09) EW(-282.41) TEMP(129.2)

#93 MD(8391.00) Inc(90.8) Azm(2.7) TVD(7093.42) VS(1741.38) NS(1731.99) EW(-278.02) TEMP(129.2)

#94 MD(8486.00) Inc(89.6) Azm(0.6) TVD(7093.25) VS(1836.16) NS(1826.94) EW(-275.28) TEMP(129.2)

#95 MD(8579.00) Inc(90.0) Azm(358.7) TVD(7093.57) VS(1929.11) NS(1919.94) EW(-275.85) TEMP(129.2)

#96 MD(8670.00) Inc(90.2) Azm(358.9) TVD(7093.42) VS(2020.10) NS(2010.92) EW(-277.76) TEMP(129.2)

#97 MD(8762.00) Inc(89.3) Azm(358.8) TVD(7093.82)
VS(2112.08) NS(2102.90) EW(-279.60) TEMP(129.2)

#98 MD(8856.00) Inc(88.8) Azm(356.1) TVD(7095.38)
VS(2206.06) NS(2196.78) EW(-283.78) TEMP(129.2)

#99 MD(8951.00) Inc(90.1) Azm(359.5) TVD(7096.29)
VS(2301.03) NS(2291.69) EW(-287.43) TEMP(129.2)

#100 MD(9044.00) Inc(89.9) Azm(356.7) TVD(7096.29)
VS(2394.02) NS(2384.63) EW(-290.51) TEMP(129.2)

#101 MD(9138.00) Inc(89.4) Azm(0.0) TVD(7096.86)
VS(2488.00) NS(2478.58) EW(-293.22) TEMP(129.2)

#102 MD(9230.00) Inc(89.3) Azm(359.2) TVD(7097.91)
VS(2579.95) NS(2570.57) EW(-293.86) TEMP(129.2)

#103 MD(9325.00) Inc(90.1) Azm(0.5) TVD(7098.40)
VS(2674.89) NS(2665.56) EW(-294.11) TEMP(129.2)

#104 MD(9418.00) Inc(88.3) Azm(358.1) TVD(7099.70)
VS(2767.84) NS(2758.54) EW(-295.25) TEMP(129.2)

#105 MD(9512.00) Inc(91.0) Azm(357.8) TVD(7100.28)
VS(2861.83) NS(2852.47) EW(-298.61) TEMP(129.2)

#106 MD(9606.00) Inc(91.0) Azm(358.0) TVD(7098.64)
VS(2955.81) NS(2946.39) EW(-302.05) TEMP(129.2)

#107 MD(9699.00) Inc(91.1) Azm(1.1) TVD(7096.93)
VS(3048.74) NS(3039.36) EW(-302.78) TEMP(129.2)

#108 MD(9793.00) Inc(90.6) Azm(359.7) TVD(7095.54)
VS(3142.63) NS(3133.34) EW(-302.13) TEMP(129.2)

#109 MD(9886.00) Inc(88.9) Azm(357.6) TVD(7095.94)
VS(3235.61) NS(3226.31) EW(-304.32) TEMP(129.2)

#110 MD(9979.00) Inc(88.6) Azm(359.8) TVD(7097.97)
VS(3328.57) NS(3319.26) EW(-306.43) TEMP(129.2)

#111 MD(10072.00) Inc(90.8) Azm(0.8) TVD(7098.46)
VS(3421.48) NS(3412.25) EW(-305.94) TEMP(129.2)

#112 MD(10165.00) Inc(91.7) Azm(359.2) TVD(7096.43)
VS(3514.38) NS(3505.22) EW(-305.94) TEMP(129.2)

#113 MD(10259.00) Inc(90.4) Azm(1.5) TVD(7094.71)
VS(3608.26) NS(3599.19) EW(-305.36) TEMP(129.2)

#114 MD(10353.00) Inc(90.1) Azm(2.1) TVD(7094.30)
VS(3702.03) NS(3693.15) EW(-302.41) TEMP(129.2)

#115 MD(10446.00) Inc(88.4) Azm(3.2) TVD(7095.51)
VS(3794.69) NS(3786.03) EW(-298.11) TEMP(129.2)

#116 MD(10539.00) Inc(89.0) Azm(2.3) TVD(7097.62)
VS(3887.31) NS(3878.90) EW(-293.65) TEMP(129.2)

#117 MD(10631.00) Inc(89.2) Azm(2.2) TVD(7099.07)
VS(3979.03) NS(3970.82) EW(-290.04) TEMP(129.2)

#118 MD(10723.00) Inc(88.1) Azm(2.6) TVD(7101.24)
VS(4070.70) NS(4062.71) EW(-286.19) TEMP(129.2)

#119 MD(10816.00) Inc(89.5) Azm(0.1) TVD(7103.18)
VS(4163.49) NS(4155.66) EW(-284.00) TEMP(129.2)

#120 MD(10909.00) Inc(89.4) Azm(0.9) TVD(7104.08)
VS(4256.39) NS(4248.65) EW(-283.19) TEMP(129.2)

#121 MD(11001.00) Inc(91.5) Azm(359.4) TVD(7103.35)
VS(4348.30) NS(4340.64) EW(-282.95) TEMP(129.2)

#122 MD(11094.00) Inc(91.4) Azm(359.1) TVD(7101.00)
VS(4441.24) NS(4433.60) EW(-284.16) TEMP(129.2)

#123 MD(11188.00) Inc(90.8) Azm(359.0) TVD(7099.20)
VS(4535.20) NS(4527.57) EW(-285.72) TEMP(129.2)

#124 MD(11282.00) Inc(88.3) Azm(356.4) TVD(7099.93)
VS(4629.18) NS(4621.47) EW(-289.49) TEMP(129.2)

#125 MD(11373.00) Inc(87.6) Azm(355.0) TVD(7103.19)
VS(4720.06) NS(4712.16) EW(-296.31) TEMP(129.2)

#126 MD(11466.00) Inc(89.3) Azm(358.7) TVD(7105.71)
VS(4812.99) NS(4804.96) EW(-301.42) TEMP(129.2)

#127 MD(11559.00) Inc(90.3) Azm(1.3) TVD(7106.03)
VS(4905.91) NS(4897.95) EW(-301.42) TEMP(129.2)

#128 MD(11654.00) Inc(91.4) Azm(1.4) TVD(7104.62)
VS(5000.72) NS(4992.91) EW(-299.18) TEMP(129.2)

#129 MD(11750.00) Inc(91.9) Azm(359.1) TVD(7101.86)
VS(5096.58) NS(5088.87) EW(-298.76) TEMP(129.2)

#130 MD(11845.00) Inc(88.5) Azm(0.5) TVD(7101.53)
VS(5191.51) NS(5183.85) EW(-299.09) TEMP(129.2)

#131 MD(11940.00) Inc(88.7) Azm(0.3) TVD(7103.85)
VS(5286.38) NS(5278.82) EW(-298.43) TEMP(129.2)

#132 MD(12035.00) Inc(90.3) Azm(359.5) TVD(7104.68)
VS(5381.31) NS(5373.81) EW(-298.59) TEMP(129.2)

#133 MD(12130.00) Inc(90.8) Azm(359.2) TVD(7103.76)
VS(5476.27) NS(5468.80) EW(-299.67) TEMP(129.2)

#134 MD(12225.00) Inc(90.8) Azm(357.9) TVD(7102.44)
VS(5571.25) NS(5563.76) EW(-302.08) TEMP(129.2)

#135 MD(12320.00) Inc(89.6) Azm(359.1) TVD(7102.11)
VS(5666.24) NS(5658.72) EW(-304.56) TEMP(129.2)

#136 MD(12415.00) Inc(89.6) Azm(358.9) TVD(7102.77)
VS(5761.22) NS(5753.70) EW(-306.22) TEMP(129.2)

#137 MD(12510.00) Inc(89.8) Azm(358.7) TVD(7103.27)
VS(5856.20) NS(5848.68) EW(-308.21) TEMP(129.2)

#138 MD(12605.00) Inc(90.3) Azm(359.0) TVD(7103.18)
VS(5951.19) NS(5943.66) EW(-310.12) TEMP(129.2)

#139 MD(12701.00) Inc(90.6) Azm(359.6) TVD(7102.43)
VS(6047.15) NS(6039.65) EW(-311.29) TEMP(129.2)

#140 MD(12796.00) Inc(89.3) Azm(359.8) TVD(7102.51)
VS(6142.10) NS(6134.65) EW(-311.79) TEMP(129.2)

#141 MD(12891.00) Inc(89.5) Azm(359.0) TVD(7103.51)
VS(6237.05) NS(6229.64) EW(-312.78) TEMP(129.2)

#142 MD(12986.00) Inc(88.1) Azm(0.1) TVD(7105.50)
VS(6331.98) NS(6324.61) EW(-313.53) TEMP(129.2)

#143 MD(13081.00) Inc(90.1) Azm(3.3) TVD(7106.99)
VS(6426.74) NS(6419.54) EW(-310.71) TEMP(129.2)

#144 MD(13177.00) Inc(90.6) Azm(2.5) TVD(7106.40)
VS(6522.35) NS(6515.41) EW(-305.85) TEMP(129.2)

#145 MD(13272.00) Inc(89.0) Azm(2.3) TVD(7106.73)
VS(6617.04) NS(6610.33) EW(-301.88) TEMP(129.2)

#146 MD(13367.00) Inc(89.4) Azm(2.9) TVD(7108.06)
VS(6711.70) NS(6705.22) EW(-297.57) TEMP(129.2)

#147 MD(13462.00) Inc(87.6) Azm(2.4) TVD(7110.55)
VS(6806.32) NS(6800.08) EW(-293.18) TEMP(129.2)

#148 MD(13557.00) Inc(87.8) Azm(1.1) TVD(7114.36)
VS(6901.02) NS(6894.96) EW(-290.28) TEMP(129.2)

#149 MD(13653.00) Inc(89.2) Azm(359.2) TVD(7116.87)
VS(6996.90) NS(6990.92) EW(-290.03) TEMP(129.2)

#150 MD(13748.00) Inc(90.0) Azm(358.8) TVD(7117.54)
VS(7091.87) NS(7085.90) EW(-291.68) TEMP(129.2)

#151 MD(13843.00) Inc(90.7) Azm(357.2) TVD(7116.96)
VS(7186.87) NS(7180.84) EW(-295.00) TEMP(129.2)

#152 MD(13938.00) Inc(90.4) Azm(357.0) TVD(7116.04)
VS(7281.86) NS(7275.71) EW(-299.81) TEMP(129.2)

#153 MD(14033.00) Inc(89.0) Azm(357.2) TVD(7116.54)
VS(7376.85) NS(7370.58) EW(-304.61) TEMP(129.2)

#154 MD(14128.00) Inc(88.5) Azm(359.5) TVD(7118.61)
VS(7471.81) NS(7465.52) EW(-307.35) TEMP(129.2)

#155 MD(14224.00) Inc(89.1) Azm(359.1) TVD(7120.62)
VS(7567.76) NS(7561.49) EW(-308.52) TEMP(129.2)

#156 MD(14319.00) Inc(88.5) Azm(0.0) TVD(7122.61)
VS(7662.69) NS(7656.46) EW(-309.26) TEMP(129.2)

#157 MD(14414.00) Inc(89.1) Azm(359.6) TVD(7124.60)
VS(7757.61) NS(7751.44) EW(-309.60) TEMP(129.2)

#158 MD(14509.00) Inc(89.8) Azm(358.4) TVD(7125.52)
VS(7852.58) NS(7846.42) EW(-311.25) TEMP(129.2)

#159 MD(14604.00) Inc(90.4) Azm(358.1) TVD(7125.35)
VS(7947.58) NS(7941.37) EW(-314.16) TEMP(129.2)

#160 MD(14680.00) Inc(91.0) Azm(359.3) TVD(7124.42)
VS(8023.56) NS(8017.35) EW(-315.88) TEMP(129.2)