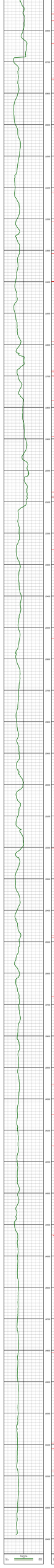

COT EAST U-30-29HN

MD
2":100'

ENSIGN

Company: Bayswater Exploration & Production LLC.
Well Name: COT EAST U-30-29HN
API: 05-123-50412
County/Parish: WELD
State: Colorado
Country: USA
Job number: Bay-T38-9
Field: Wattenberg
Rig Id: True 38
Survey Company: Ensign Directional Services
Co Man Scott Osborn
Co Man Spike Medina
DD Daryl Bailey
DD Breven Williams
MWD Day Lucas Henkenius
MWD Night John Schabinger

Log measurements: Gamma, Rop
Depth measured from: 1564 ft
Maximum temperature:

	Depth	Date
Start:	1564 ft	1-2-2020
End:	15447 ft	1/5/2020

Casing	Depth	Size
Surface:	1564 ft	9 5/8"
Intermediate:		

Mud Type: OBM
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 18 ft
GL: 4946 ft
DF: 4971 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.5"	60.20 ft	57.70 ft	1564 ft	15447 ft	01-02-2020	01-05-2020
2							
3							
4							
5							
6							
7							
8							
9							
10							

Ensign Directional Services 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.

#16 MD(1504.00) Inc(22.0) Azm(146.1) TVD(1463.52)
N/-S(-235.86) E/-W(162.49) DLS(0.7)

#17 MD(1666.00) Inc(21.7) Azm(145.0) TVD(1613.87)
N/-S(-285.61) E/-W(196.59) DLS(0.3)

#18 MD(1761.00) Inc(21.5) Azm(144.7) TVD(1702.20)
N/-S(-314.20) E/-W(216.71) DLS(0.3)

#19 MD(1855.00) Inc(21.6) Azm(146.6) TVD(1789.64)
N/-S(-342.70) E/-W(236.18) DLS(0.8)

#20 MD(1950.00) Inc(21.4) Azm(152.2) TVD(1878.04)
N/-S(-372.64) E/-W(253.87) DLS(2.2)

#21 MD(2045.00) Inc(21.3) Azm(158.6) TVD(1966.54)
N/-S(-404.01) E/-W(268.23) DLS(2.4)

#22 MD(2140.00) Inc(21.7) Azm(167.2) TVD(2054.96)
N/-S(-437.20) E/-W(278.43) DLS(3.4)

#23 MD(2235.00) Inc(22.2) Azm(171.2) TVD(2143.08)
N/-S(-472.05) E/-W(285.06) DLS(1.7)

#24 MD(2329.00) Inc(23.1) Azm(171.8) TVD(2229.83)
N/-S(-507.85) E/-W(290.41) DLS(1.1)

#25 MD(2424.00) Inc(22.9) Azm(171.1) TVD(2317.28)
N/-S(-544.54) E/-W(295.95) DLS(0.4)

#26 MD(2519.00) Inc(22.3) Azm(170.5) TVD(2404.99)
N/-S(-580.58) E/-W(301.79) DLS(0.6)

#27 MD(2613.00) Inc(23.7) Azm(172.5) TVD(2491.49)
N/-S(-616.96) E/-W(307.21) DLS(1.7)

#28 MD(2707.00) Inc(23.1) Azm(172.1) TVD(2577.74)
N/-S(-654.01) E/-W(312.23) DLS(0.7)

#29 MD(2802.00) Inc(22.9) Azm(172.1) TVD(2665.19)
N/-S(-690.77) E/-W(317.32) DLS(0.3)

#30 MD(2897.00) Inc(22.6) Azm(172.3) TVD(2752.81)
N/-S(-727.14) E/-W(322.31) DLS(0.3)

#31 MD(2991.00) Inc(22.3) Azm(171.9) TVD(2839.67)
N/-S(-762.72) E/-W(327.24) DLS(0.3)

#32 MD(3086.00) Inc(22.2) Azm(171.9) TVD(2927.60)
N/-S(-798.34) E/-W(332.29) DLS(0.2)

#33 MD(3180.00) Inc(21.8) Azm(171.6) TVD(3014.76)
N/-S(-833.16) E/-W(337.33) DLS(0.4)

#34 MD(3274.00) Inc(21.2) Azm(170.7) TVD(3102.22)
N/-S(-867.20) E/-W(342.64) DLS(0.7)

#35 MD(3392.00) Inc(22.3) Azm(168.9) TVD(3211.81)
N/-S(-910.26) E/-W(350.38) DLS(1.1)

#36 MD(3487.00) Inc(22.1) Azm(167.9) TVD(3299.76)
N/-S(-945.43) E/-W(357.59) DLS(0.5)

#37 MD(3581.00) Inc(21.4) Azm(167.0) TVD(3387.09)
N/-S(-979.39) E/-W(365.14) DLS(0.8)

#38 MD(3676.00) Inc(22.1) Azm(167.9) TVD(3475.34)
N/-S(-1013.70) E/-W(372.78) DLS(0.8)

#39 MD(3771.00) Inc(20.9) Azm(166.8) TVD(3563.73)
N/-S(-1047.68) E/-W(380.38) DLS(1.3)

#40 MD(3865.00) Inc(19.9) Azm(165.2) TVD(3651.84)
N/-S(-1079.48) E/-W(388.27) DLS(1.3)

#41 MD(3959.00) Inc(18.6) Azm(163.5) TVD(3740.60)
N/-S(-1109.26) E/-W(396.59) DLS(1.5)

#42 MD(4053.00) Inc(17.9) Azm(162.4) TVD(3829.88)
N/-S(-1137.40) E/-W(405.20) DLS(0.7)

#43 MD(4148.00) Inc(18.1) Azm(162.6) TVD(3920.21)
N/-S(-1165.44) E/-W(414.03) DLS(0.2)

#44 MD(4242.00) Inc(16.0) Azm(165.1) TVD(4010.08)
N/-S(-1191.91) E/-W(421.73) DLS(2.4)

#45 MD(4337.00) Inc(12.8) Azm(167.4) TVD(4102.09)
N/-S(-1214.79) E/-W(427.39) DLS(3.5)

#46 MD(4432.00) Inc(9.3) Azm(171.4) TVD(4195.32)
N/-S(-1232.63) E/-W(430.84) DLS(3.7)

#47 MD(4526.00) Inc(8.9) Azm(171.1) TVD(4288.14)
N/-S(-1247.33) E/-W(433.10) DLS(0.5)

#48 MD(4621.00) Inc(7.1) Azm(177.6) TVD(4382.21)
N/-S(-1260.45) E/-W(434.49) DLS(2.1)

#49 MD(4716.00) Inc(5.5) Azm(175.8) TVD(4476.63)
N/-S(-1270.91) E/-W(435.08) DLS(1.7)

#50 MD(4810.00) Inc(3.5) Azm(174.2) TVD(4570.33)
N/-S(-1278.31) E/-W(435.70) DLS(2.2)

#51 MD(4904.00) Inc(1.2) Azm(148.7) TVD(4664.25)
N/-S(-1282.04) E/-W(436.52) DLS(2.6)

#52 MD(4999.00) Inc(1.5) Azm(166.1) TVD(4759.22)
N/-S(-1284.11) E/-W(437.34) DLS(0.5)

#53 MD(5094.00) Inc(0.3) Azm(205.2) TVD(4854.21)
N/-S(-1285.57) E/-W(437.51) DLS(1.3)

#54 MD(5188.00) Inc(0.5) Azm(216.1) TVD(4948.20)
N/-S(-1286.18) E/-W(437.14) DLS(0.2)

#55 MD(5283.00) Inc(0.3) Azm(206.0) TVD(5043.20)
N/-S(-1286.80) E/-W(436.75) DLS(0.2)

#56 MD(5378.00) Inc(0.3) Azm(202.0) TVD(5138.20)
N/-S(-1287.26) E/-W(436.54) DLS(0.1)

#57 MD(5472.00) Inc(0.3) Azm(232.4) TVD(5232.20)
N/-S(-1287.63) E/-W(436.23) DLS(0.2)

#58 MD(5567.00) Inc(0.4) Azm(244.5) TVD(5327.20)
N/-S(-1287.97) E/-W(435.68) DLS(0.1)

#59 MD(5662.00) Inc(0.5) Azm(230.8) TVD(5422.19)
N/-S(-1288.40) E/-W(435.01) DLS(0.2)

#60 MD(5756.00) Inc(0.6) Azm(239.1) TVD(5516.19)
N/-S(-1288.94) E/-W(434.23) DLS(0.1)

#61 MD(5851.00) Inc(0.7) Azm(235.0) TVD(5611.18)
N/-S(-1289.54) E/-W(433.32) DLS(0.1)

#62 MD(5946.00) Inc(0.6) Azm(218.9) TVD(5706.17)
N/-S(-1290.27) E/-W(432.52) DLS(0.2)

#63 MD(6041.00) Inc(0.8) Azm(209.6) TVD(5801.17)
N/-S(-1291.24) E/-W(431.87) DLS(0.2)

#64 MD(6135.00) Inc(0.9) Azm(205.5) TVD(5895.16)
N/-S(-1292.45) E/-W(431.24) DLS(0.1)

#65 MD(6230.00) Inc(0.5) Azm(206.7) TVD(5990.15)
N/-S(-1293.50) E/-W(430.73) DLS(0.4)

#66 MD(6324.00) Inc(0.6) Azm(199.5) TVD(6084.15)
N/-S(-1294.37) E/-W(430.36) DLS(0.1)

#67 MD(6419.00) Inc(0.3) Azm(189.3) TVD(6179.14)
N/-S(-1295.14) E/-W(430.14) DLS(0.3)

#68 MD(6514.00) Inc(0.3) Azm(183.7) TVD(6274.14)
N/-S(-1295.72) E/-W(430.08) DLS(0.0)

#69 MD(6608.00) Inc(0.3) Azm(192.2) TVD(6368.14)
N/-S(-1296.29) E/-W(430.00) DLS(0.1)

#70 MD(6703.00) Inc(0.3) Azm(185.8) TVD(6463.14)
N/-S(-1296.86) E/-W(429.91) DLS(0.0)

#71 MD(6797.00) Inc(0.3) Azm(160.2) TVD(6557.14)
N/-S(-1297.41) E/-W(429.98) DLS(0.2)

#72 MD(6892.00) Inc(5.7) Azm(72.6) TVD(6651.98)
N/-S(-1296.27) E/-W(434.60) DLS(6.0)

#73 MD(6987.00) Inc(12.3) Azm(84.2) TVD(6745.76)
N/-S(-1293.83) E/-W(449.21) DLS(7.2)

#74 MD(7081.00) Inc(19.3) Azm(81.8) TVD(6836.16)
N/-S(-1290.60) E/-W(474.55) DLS(7.4)

#75 MD(7176.00) Inc(25.5) Azm(85.5) TVD(6923.96)
N/-S(-1286.73) E/-W(510.48) DLS(6.7)

#76 MD(7270.00) Inc(32.6) Azm(87.4) TVD(7006.08)
N/-S(-1283.96) E/-W(556.02) DLS(7.6)

#77 MD(7365.00) Inc(42.8) Azm(88.4) TVD(7081.13)
N/-S(-1281.91) E/-W(614.03) DLS(10.8)

#78 MD(7459.00) Inc(53.6) Azm(88.6) TVD(7143.65)
N/-S(-1280.11) E/-W(684.01) DLS(11.5)

#79 MD(7554.00) Inc(60.8) Azm(89.1) TVD(7195.08)
N/-S(-1278.56) E/-W(763.79) DLS(7.5)

#80 MD(7649.00) Inc(69.0) Azm(88.1) TVD(7235.35)
N/-S(-1276.46) E/-W(849.72) DLS(8.8)

#81 MD(7743.00) Inc(81.3) Azm(88.6) TVD(7259.34)
N/-S(-1273.86) E/-W(940.38) DLS(13.1)

#82 MD(7838.00) Inc(88.2) Azm(89.3) TVD(7268.00)
N/-S(-1272.15) E/-W(1034.91) DLS(7.3)

#83 MD(7933.00) Inc(88.2) Azm(89.1) TVD(7270.98)
N/-S(-1270.88) E/-W(1129.86) DLS(0.2)

#84 MD(8027.00) Inc(90.1) Azm(90.5) TVD(7272.35)
N/-S(-1270.62) E/-W(1223.84) DLS(2.5)

#85 MD(8122.00) Inc(89.9) Azm(89.8) TVD(7272.35)
N/-S(-1270.95) E/-W(1318.84) DLS(0.8)

#86 MD(8217.00) Inc(91.2) Azm(89.8) TVD(7271.47)
N/-S(-1270.68) E/-W(1413.83) DLS(1.4)

#87 MD(8311.00) Inc(91.2) Azm(89.7) TVD(7269.52)
N/-S(-1270.28) E/-W(1507.81) DLS(0.2)

#88 MD(8406.00) Inc(90.9) Azm(88.8) TVD(7267.77)
N/-S(-1269.00) E/-W(1602.79) DLS(1.0)

#89 MD(8500.00) Inc(88.1) Azm(87.7) TVD(7268.57)
N/-S(-1266.15) E/-W(1696.73) DLS(3.2)

#90 MD(8595.00) Inc(88.4) Azm(87.7) TVD(7271.48)
N/-S(-1262.39) E/-W(1791.61) DLS(0.3)

#91 MD(8689.00) Inc(89.0) Azm(87.7) TVD(7273.65)
N/-S(-1258.66) E/-W(1885.51) DLS(0.7)

#92 MD(8784.00) Inc(88.9) Azm(87.0) TVD(7275.40)
N/-S(-1254.32) E/-W(1980.39) DLS(0.7)

#93 MD(8879.00) Inc(88.5) Azm(86.9) TVD(7277.51)
N/-S(-1249.26) E/-W(2075.23) DLS(0.4)

#94 MD(8973.00) Inc(88.6) Azm(89.0) TVD(7279.82)
N/-S(-1245.84) E/-W(2169.14) DLS(2.2)

#95 MD(9068.00) Inc(88.4) Azm(89.3) TVD(7282.30)
N/-S(-1244.43) E/-W(2264.10) DLS(0.5)

#96 MD(9162.00) Inc(87.8) Azm(89.1) TVD(7285.47)
N/-S(-1243.16) E/-W(2358.03) DLS(0.7)

#97 MD(9257.00) Inc(87.3) Azm(89.1) TVD(7289.55)
N/-S(-1241.74) E/-W(2452.93) DLS(0.5)

#98 MD(9351.00) Inc(87.1) Azm(89.7) TVD(7294.16)
N/-S(-1240.76) E/-W(2546.82) DLS(0.6)

#99 MD(9446.00) Inc(89.9) Azm(89.7) TVD(7296.72)
N/-S(-1240.22) E/-W(2641.77) DLS(3.0)

#100 MD(9541.00) Inc(90.8) Azm(89.5) TVD(7296.20)
N/-S(-1239.52) E/-W(2736.77) DLS(0.9)

#101 MD(9636.00) Inc(91.2) Azm(89.5) TVD(7294.60)
N/-S(-1238.67) E/-W(2831.75) DLS(0.5)

#102 MD(9730.00) Inc(91.1) Azm(89.7) TVD(7292.72)
N/-S(-1237.99) E/-W(2925.73) DLS(0.2)

#103 MD(9825.00) Inc(91.2) Azm(90.0) TVD(7290.82)
N/-S(-1237.73) E/-W(3020.71) DLS(0.4)

#104 MD(9920.00) Inc(91.4) Azm(89.7) TVD(7288.70)
N/-S(-1237.47) E/-W(3115.68) DLS(0.4)

#105 MD(10015.00) Inc(92.2) Azm(90.7) TVD(7285.80)
N/-S(-1237.79) E/-W(3210.64) DLS(1.4)

#106 MD(10109.00) Inc(89.8) Azm(89.3) TVD(7284.21)
N/-S(-1237.83) E/-W(3304.61) DLS(2.9)

#107 MD(10204.00) Inc(90.8) Azm(89.7) TVD(7283.77)
N/-S(-1236.99) E/-W(3399.61) DLS(1.1)

#108 MD(10298.00) Inc(90.7) Azm(88.4) TVD(7282.62)
N/-S(-1235.44) E/-W(3493.59) DLS(1.3)

#109 MD(10393.00) Inc(89.8) Azm(88.6) TVD(7282.25)
N/-S(-1232.99) E/-W(3588.55) DLS(0.9)

#110 MD(10487.00) Inc(90.7) Azm(88.6) TVD(7281.89)
N/-S(-1230.71) E/-W(3682.52) DLS(0.9)

#111 MD(10582.00) Inc(89.0) Azm(89.3) TVD(7282.18)
N/-S(-1229.00) E/-W(3777.50) DLS(1.9)

#112 MD(10676.00) Inc(90.2) Azm(89.5) TVD(7282.83)
N/-S(-1228.02) E/-W(3871.49) DLS(1.3)

#113 MD(10771.00) Inc(88.3) Azm(89.3) TVD(7284.06)
N/-S(-1227.04) E/-W(3966.48) DLS(2.0)

#114 MD(10865.00) Inc(88.9) Azm(89.0) TVD(7286.37)
N/-S(-1225.63) E/-W(4060.44) DLS(0.7)

#115 MD(10960.00) Inc(88.2) Azm(88.6) TVD(7288.77)
N/-S(-1223.63) E/-W(4155.39) DLS(0.8)

#116 MD(11054.00) Inc(88.2) Azm(88.3) TVD(7291.73)
N/-S(-1221.06) E/-W(4249.30) DLS(0.4)

#117 MD(11149.00) Inc(91.5) Azm(89.3) TVD(7292.02)
N/-S(-1219.06) E/-W(4344.27) DLS(3.6)

#118 MD(11243.00) Inc(92.0) Azm(89.5) TVD(7289.20)
N/-S(-1218.08) E/-W(4438.22) DLS(0.6)

#119 MD(11339.00) Inc(90.0) Azm(88.8) TVD(7287.51)
N/-S(-1216.64) E/-W(4534.19) DLS(2.1)

#120 MD(11434.00) Inc(90.5) Azm(89.0) TVD(7287.08)
N/-S(-1214.78) E/-W(4629.17) DLS(0.5)

#121 MD(11529.00) Inc(90.8) Azm(89.0) TVD(7285.98)
N/-S(-1213.08) E/-W(4724.15) DLS(0.4)

#122 MD(11623.00) Inc(91.5) Azm(88.6) TVD(7284.03)
N/-S(-1211.09) E/-W(4818.11) DLS(0.8)

#123 MD(11717.00) Inc(90.5) Azm(88.3) TVD(7282.38)
N/-S(-1208.52) E/-W(4912.06) DLS(1.2)

#124 MD(11813.00) Inc(91.2) Azm(88.1) TVD(7280.98)
N/-S(-1205.47) E/-W(5008.00) DLS(0.8)

#125 MD(11907.00) Inc(89.5) Azm(89.7) TVD(7280.39)
N/-S(-1203.63) E/-W(5101.97) DLS(2.4)

#126 MD(12002.00) Inc(90.7) Azm(89.5) TVD(7280.24)
N/-S(-1202.93) E/-W(5196.97) DLS(1.2)

#127 MD(12096.00) Inc(88.6) Azm(89.5) TVD(7280.82)
N/-S(-1202.10) E/-W(5290.95) DLS(2.1)

#128 MD(12191.00) Inc(89.0) Azm(89.3) TVD(7282.78)
N/-S(-1201.11) E/-W(5385.93) DLS(0.4)

#129 MD(12286.00) Inc(88.9) Azm(89.1) TVD(7284.53)
N/-S(-1199.83) E/-W(5480.90) DLS(0.2)

#130 MD(12380.00) Inc(89.9) Azm(90.0) TVD(7285.54)
N/-S(-1199.15) E/-W(5574.89) DLS(1.4)

#131 MD(12475.00) Inc(90.8) Azm(90.2) TVD(7285.03)
N/-S(-1199.33) E/-W(5669.89) DLS(0.9)

#132 MD(12569.00) Inc(91.3) Azm(90.0) TVD(7283.36)
N/-S(-1199.51) E/-W(5763.88) DLS(0.6)

#133 MD(12664.00) Inc(88.7) Azm(88.1) TVD(7283.36)
N/-S(-1197.94) E/-W(5858.85) DLS(3.4)

#134 MD(12758.00) Inc(89.8) Azm(88.4) TVD(7284.59)
N/-S(-1195.10) E/-W(5952.80) DLS(1.2)

#135 MD(12852.00) Inc(90.8) Azm(88.1) TVD(7284.08)
N/-S(-1192.25) E/-W(6046.75) DLS(1.2)

#136 MD(12947.00) Inc(91.5) Azm(88.1) TVD(7282.19)
N/-S(-1189.09) E/-W(6141.68) DLS(0.6)

#137 MD(13042.00) Inc(89.3) Azm(89.7) TVD(7281.53)
N/-S(-1187.23) E/-W(6236.65) DLS(2.8)

#138 MD(13137.00) Inc(90.3) Azm(89.5) TVD(7281.82)
N/-S(-1186.53) E/-W(6331.65) DLS(1.0)

#139 MD(13231.00) Inc(90.1) Azm(90.9) TVD(7281.46)
N/-S(-1186.85) E/-W(6425.64) DLS(1.5)

#140 MD(13326.00) Inc(90.7) Azm(90.7) TVD(7280.81)
N/-S(-1188.19) E/-W(6520.63) DLS(0.6)

#141 MD(13421.00) Inc(91.0) Azm(90.9) TVD(7279.42)
N/-S(-1189.54) E/-W(6615.61) DLS(0.4)

#142 MD(13515.00) Inc(91.3) Azm(89.0) TVD(7277.54)
N/-S(-1189.43) E/-W(6709.59) DLS(2.1)

#143 MD(13610.00) Inc(92.3) Azm(89.1) TVD(7274.55)
N/-S(-1187.86) E/-W(6804.53) DLS(1.1)

#144 MD(13705.00) Inc(90.1) Azm(87.9) TVD(7272.51)
N/-S(-1185.42) E/-W(6899.47) DLS(2.7)

#145 MD(13800.00) Inc(90.7) Azm(88.1) TVD(7271.86)
N/-S(-1182.10) E/-W(6994.41) DLS(0.6)

#146 MD(13895.00) Inc(88.5) Azm(87.9) TVD(7272.51)
N/-S(-1178.79) E/-W(7089.34) DLS(2.2)

#147 MD(13989.00) Inc(89.5) Azm(87.6) TVD(7274.09)
N/-S(-1175.07) E/-W(7183.25) DLS(1.1)

#148 MD(14084.00) Inc(90.0) Azm(87.2) TVD(7274.53)
N/-S(-1170.74) E/-W(7278.15) DLS(0.6)

#149 MD(14179.00) Inc(89.1) Azm(89.1) TVD(7275.32)
N/-S(-1167.73) E/-W(7373.09) DLS(2.2)

#150 MD(14273.00) Inc(90.8) Azm(89.1) TVD(7275.39)
N/-S(-1166.30) E/-W(7467.08) DLS(1.9)

#151 MD(14368.00) Inc(91.6) Azm(89.1) TVD(7273.34)
N/-S(-1164.88) E/-W(7562.05) DLS(0.8)

#152 MD(14462.00) Inc(89.1) Azm(89.3) TVD(7272.76)
N/-S(-1163.62) E/-W(7656.03) DLS(2.7)

#153 MD(14557.00) Inc(90.6) Azm(90.0) TVD(7273.05)
N/-S(-1163.07) E/-W(7751.02) DLS(1.7)

#154 MD(14651.00) Inc(89.7) Azm(88.6) TVD(7272.83)
N/-S(-1161.94) E/-W(7845.01) DLS(1.8)

#155 MD(14746.00) Inc(90.4) Azm(89.0) TVD(7272.76)
N/-S(-1159.94) E/-W(7939.99) DLS(0.8)

#156 MD(14840.00) Inc(90.0) Azm(88.4) TVD(7272.40)
N/-S(-1157.81) E/-W(8033.97) DLS(0.7)

#157 MD(14935.00) Inc(89.8) Azm(87.7) TVD(7272.55)
N/-S(-1154.64) E/-W(8128.91) DLS(0.8)

#158 MD(15030.00) Inc(89.4) Azm(87.0) TVD(7273.20)
N/-S(-1150.30) E/-W(8223.81) DLS(0.8)

#159 MD(15124.00) Inc(91.0) Azm(90.7) TVD(7272.84)
N/-S(-1148.45) E/-W(8317.77) DLS(4.3)

#160 MD(15218.00) Inc(90.7) Azm(90.0) TVD(7271.47)
N/-S(-1149.06) E/-W(8411.76) DLS(0.8)

#161 MD(15313.00) Inc(90.5) Azm(89.8) TVD(7270.53)
N/-S(-1148.94) E/-W(8506.75) DLS(0.3)

#162 MD(15387.00) Inc(91.0) Azm(89.7) TVD(7269.56)
N/-S(-1148.63) E/-W(8580.75) DLS(0.8)