**ENSIGN** Directional Services

# McGlothlin Farms 4X-334

**MD**
**2":100'**

|  |  |
|---|---|
| **Company:** | Petroleum Development Corp. |
| **Well Name:** | McGlothlin Farms 4X-334 |
| **API:** | 05 123 44009 00 |
| **County/Parish:** | Weld |
| **State:** | Colorado |
| **Country:** | United States |
| **Job number:** | 161-92 |
| **Field:** | Wattenburg |
| **Rig Id:** | Ensign 161 |
| **Survey Company:** | Ensign Directional Services |
| **Operator:** | Petroleum Development Corp. |
| **Company Man:** | Brady Sharp / John Falton |
| **Daylight DD:** | Zach Gentry |
| **Swing Shift DD:** | Chris Saykally |
| **Night DD:** | Tony Callow |
| **Daylight MWD:** | Ryan Prue |
| **Night MWD:** | Roy Montante |

**Log measurements:** Gamma, ROP
**Depth measured from:**
**Maximum temperature:**

|  | Depth | Date |
|---|---|---|
| **Start:** | 0 ft | 9/7/17 |
| **End:** | 14345 ft | 9/16/17 |

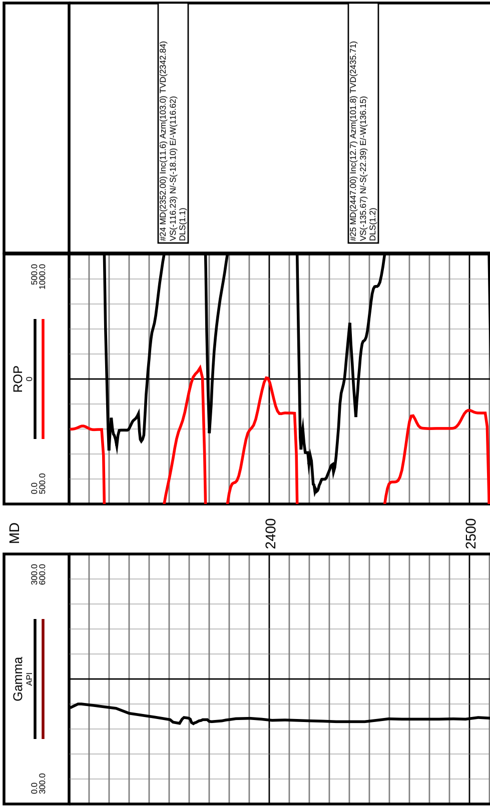
| Casing | Depth | Size |
|---|---|---|
| **Surface:** |  | 9 5/8" |
| **Intermediate:** |  |  |

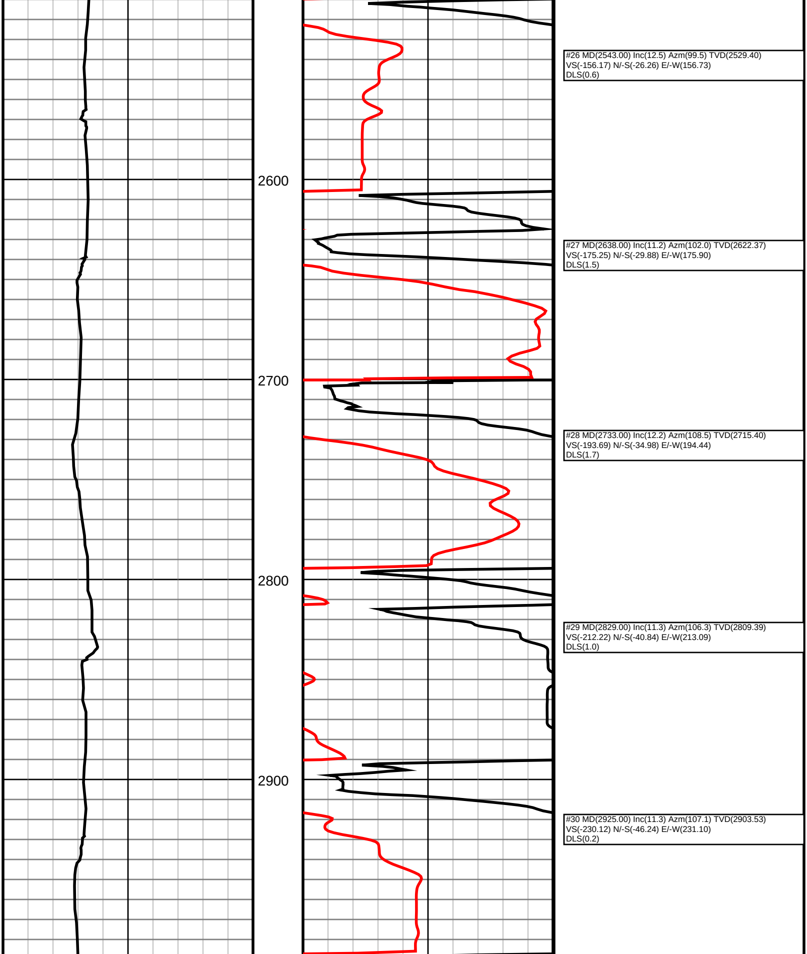
**Mud Type:** H2O
**Density:**
**Viscosity:**
**Rm:** **Rmf:** **Rmc:**

**Elevations**
**KB:** 4639 ft
**GL:** 4616 ft
**DF:** 4639 ft

|  |  | Offsets |  | Depths |  | Dates |  |
|---|---|---|---|---|---|---|---|
| **Run** | **Bit Size** | **Gamma** | **Survey** | **Start** | **End** | **Start** | **End** |
| 1 | 12.25" |  | 57.85 ft | 0 ft | 1680 ft | 9/7/17 | 9/7/17 |
| 2 | 8.5" | 62.16 ft | 57.16 ft | 1680 ft | 14345 ft | 9/8/17 | 9/16/17 |
| 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.





#26 MD(2543.00) Inc(12.5) Azm(99.5) TVD(2529.40)
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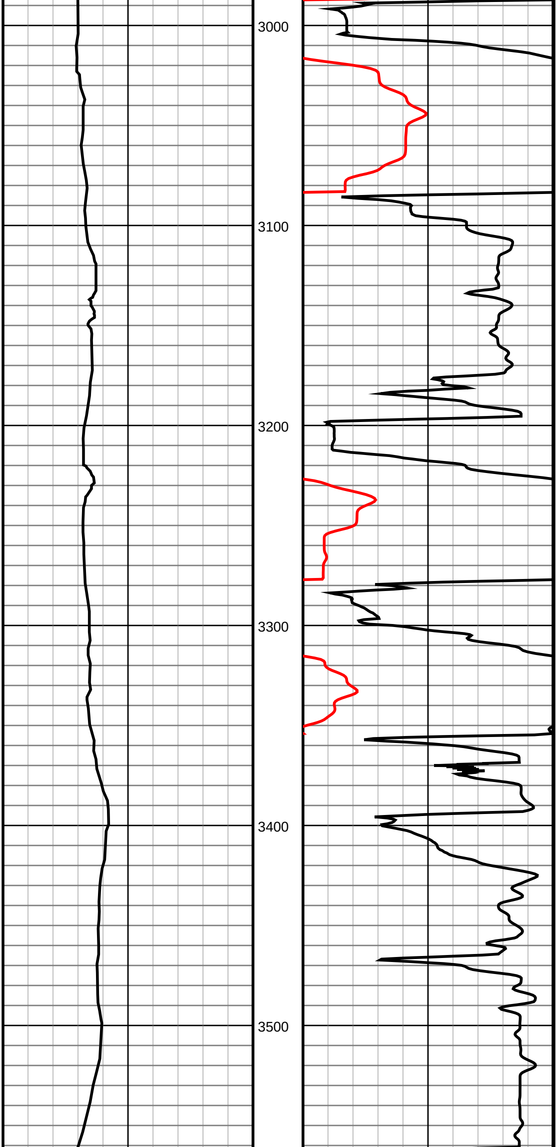
DLS(0.6)

#27 MD(2638.00) Inc(11.2) Azm(102.0) TVD(2622.37)
VS(-175.25) N/-S(-29.88) E/-W(175.90)
DLS(1.5)

#28 MD(2733.00) Inc(12.2) Azm(108.5) TVD(2715.40)
VS(-193.69) N/-S(-34.98) E/-W(194.44)
DLS(1.7)

#29 MD(2829.00) Inc(11.3) Azm(106.3) TVD(2809.39)
VS(-212.22) N/-S(-40.84) E/-W(213.09)
DLS(1.0)

#30 MD(2925.00) Inc(11.3) Azm(107.1) TVD(2903.53)
VS(-230.12) N/-S(-46.24) E/-W(231.10)
DLS(0.2)



#31 MD(3020.00) Inc(11.7) Azm(114.3) TVD(2996.63)
VS(-247.66) N/-S(-52.95) E/-W(248.78)
DLS(1.6)

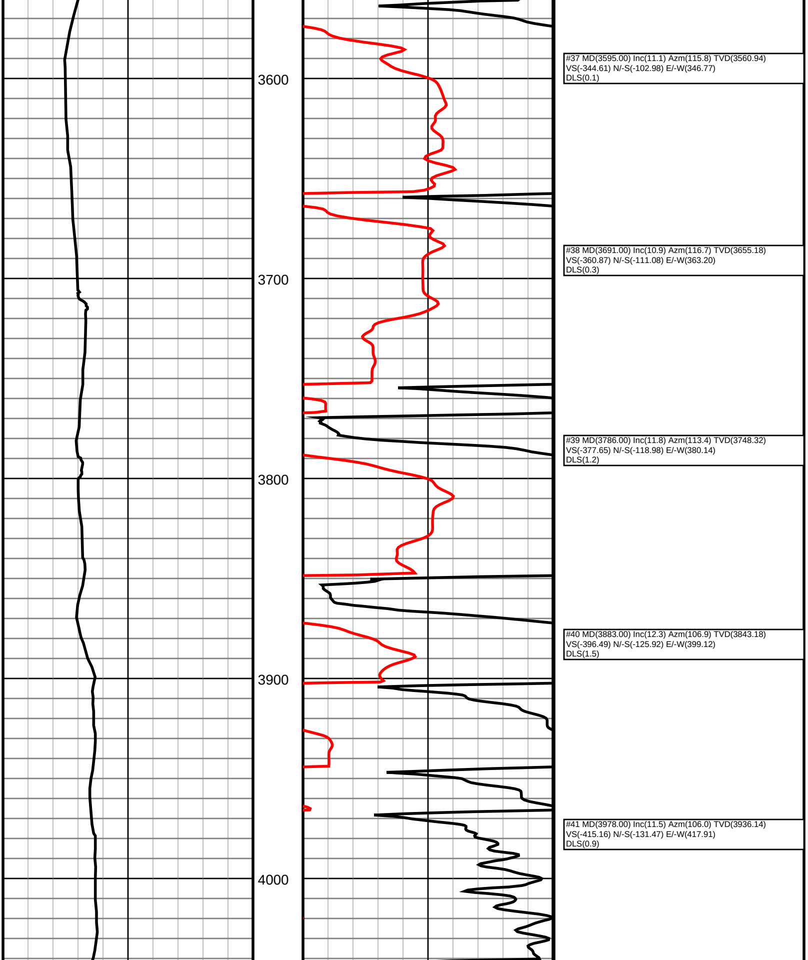
#32 MD(3116.00) Inc(10.0) Azm(111.1) TVD(3090.91)
VS(-264.16) N/-S(-59.95) E/-W(265.43)
DLS(1.9)

#33 MD(3212.00) Inc(10.1) Azm(119.7) TVD(3185.44)
VS(-279.10) N/-S(-67.12) E/-W(280.52)
DLS(1.6)

#34 MD(3308.00) Inc(12.0) Azm(120.6) TVD(3279.65)
VS(-294.82) N/-S(-76.38) E/-W(296.42)
DLS(2.0)

#35 MD(3404.00) Inc(11.7) Azm(119.0) TVD(3373.61)
VS(-311.72) N/-S(-86.17) E/-W(313.53)
DLS(0.5)

#36 MD(3499.00) Inc(11.1) Azm(116.2) TVD(3466.73)
VS(-328.17) N/-S(-94.88) E/-W(330.16)
DLS(0.9)



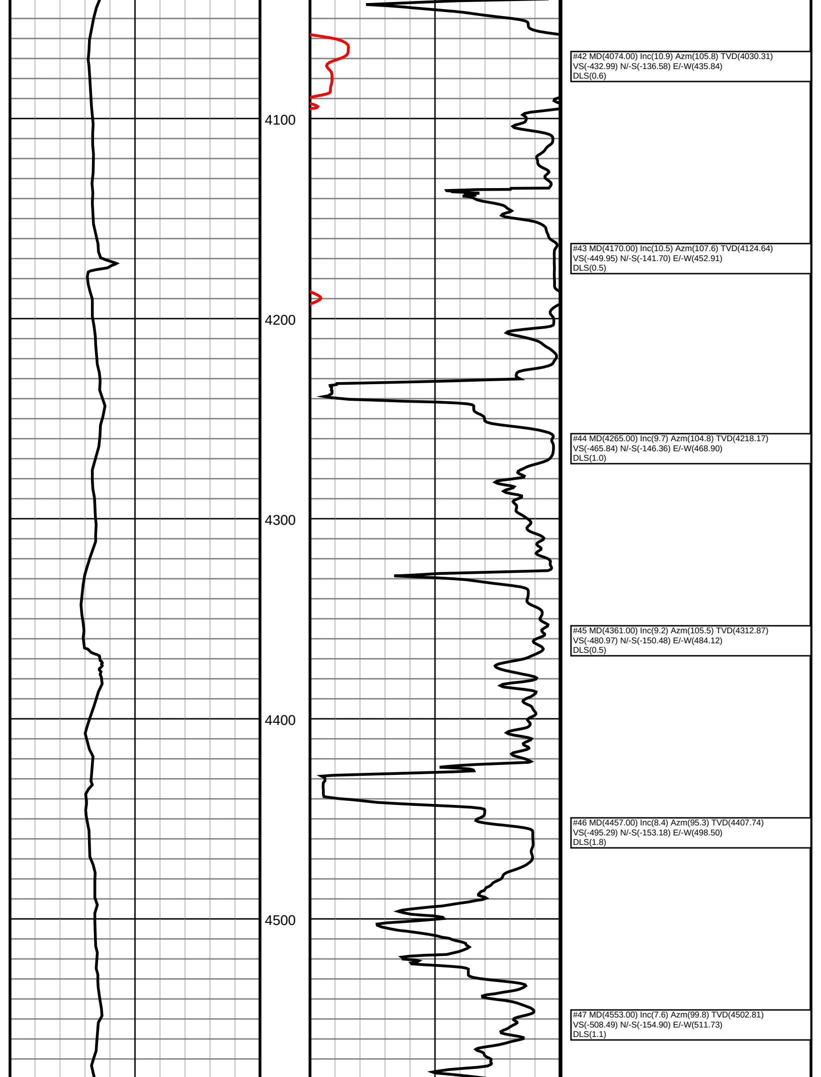
#37 MD(3595.00) Inc(11.1) Azm(115.8) TVD(3560.94)
VS(-344.61) N/-S(-102.98) E/-W(346.77)
DLS(0.1)

#38 MD(3691.00) Inc(10.9) Azm(116.7) TVD(3655.18)
VS(-360.87) N/-S(-111.08) E/-W(363.20)
DLS(0.3)

#39 MD(3786.00) Inc(11.8) Azm(113.4) TVD(3748.32)
VS(-377.65) N/-S(-118.98) E/-W(380.14)
DLS(1.2)

#40 MD(3883.00) Inc(12.3) Azm(106.9) TVD(3843.18)
VS(-396.49) N/-S(-125.92) E/-W(399.12)
DLS(1.5)

#41 MD(3978.00) Inc(11.5) Azm(106.0) TVD(3936.14)
VS(-415.16) N/-S(-131.47) E/-W(417.91)
DLS(0.9)



#42 MD(4074.00) Inc(10.9) Azm(105.8) TVD(4030.31)
VS(-432.99) N/-S(-136.58) E/-W(435.84)
DLS(0.6)

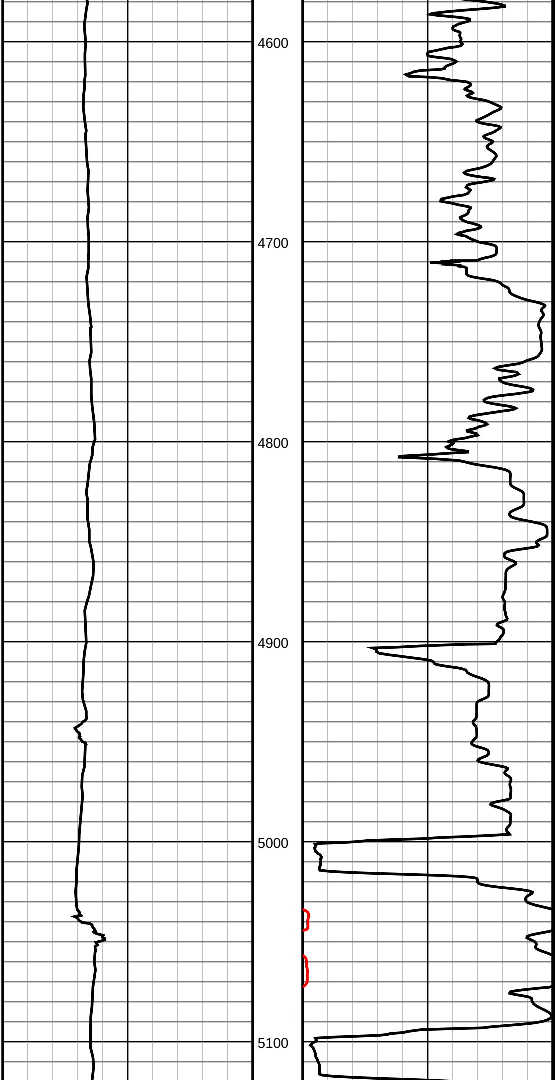
#43 MD(4170.00) Inc(10.5) Azm(107.6) TVD(4124.64)
VS(-449.95) N/-S(-141.70) E/-W(452.91)
DLS(0.5)

#44 MD(4265.00) Inc(9.7) Azm(104.8) TVD(4218.17)
VS(-465.84) N/-S(-146.36) E/-W(468.90)
DLS(1.0)

#45 MD(4361.00) Inc(9.2) Azm(105.5) TVD(4312.87)
VS(-480.97) N/-S(-150.48) E/-W(484.12)
DLS(0.5)

#46 MD(4457.00) Inc(8.4) Azm(95.3) TVD(4407.74)
VS(-495.29) N/-S(-153.18) E/-W(498.50)
DLS(1.8)

#47 MD(4553.00) Inc(7.6) Azm(99.8) TVD(4502.81)
VS(-508.49) N/-S(-154.90) E/-W(511.73)
DLS(1.1)



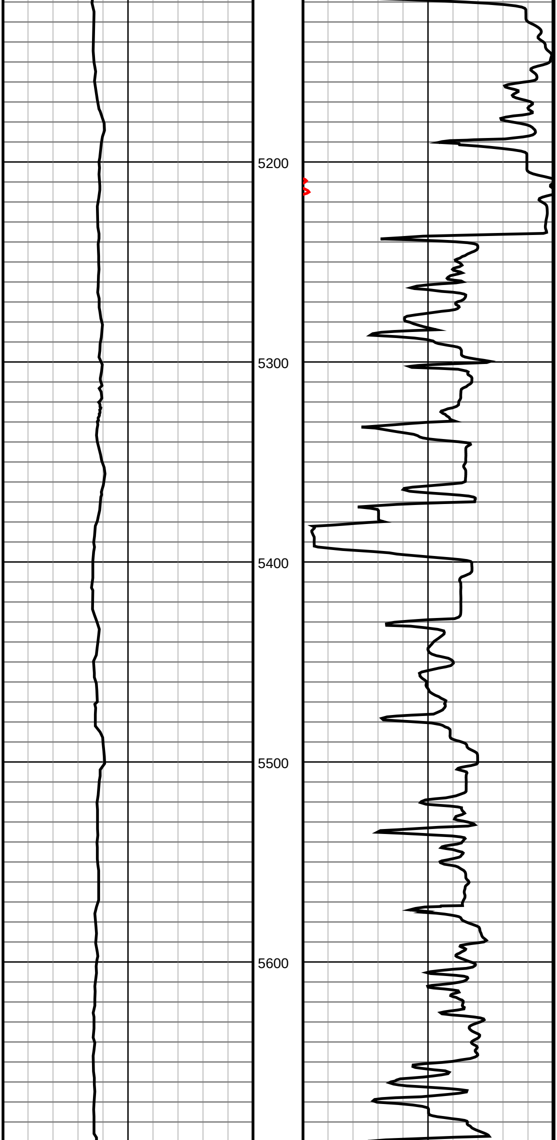
#48 MD(4648.00) Inc(7.2) Azm(103.0) TVD(4597.02)
VS(-520.43) N/-S(-157.31) E/-W(523.73)
DLS(0.6)

#49 MD(4744.00) Inc(6.9) Azm(101.6) TVD(4692.29)
VS(-531.89) N/-S(-159.83) E/-W(535.24)
DLS(0.4)

#50 MD(4840.00) Inc(6.2) Azm(103.7) TVD(4787.67)
VS(-542.53) N/-S(-162.21) E/-W(545.92)
DLS(0.8)

#51 MD(4936.00) Inc(5.9) Azm(106.3) TVD(4883.13)
VS(-552.24) N/-S(-164.83) E/-W(555.69)
DLS(0.4)

#52 MD(5032.00) Inc(4.3) Azm(94.0) TVD(4978.75)
VS(-560.54) N/-S(-166.46) E/-W(564.02)
DLS(2.0)



#53 MD(5128.00) Inc(1.2) Azm(75.8) TVD(5074.63)
VS(-565.10) N/-S(-166.47) E/-W(568.59)
DLS(3.3)

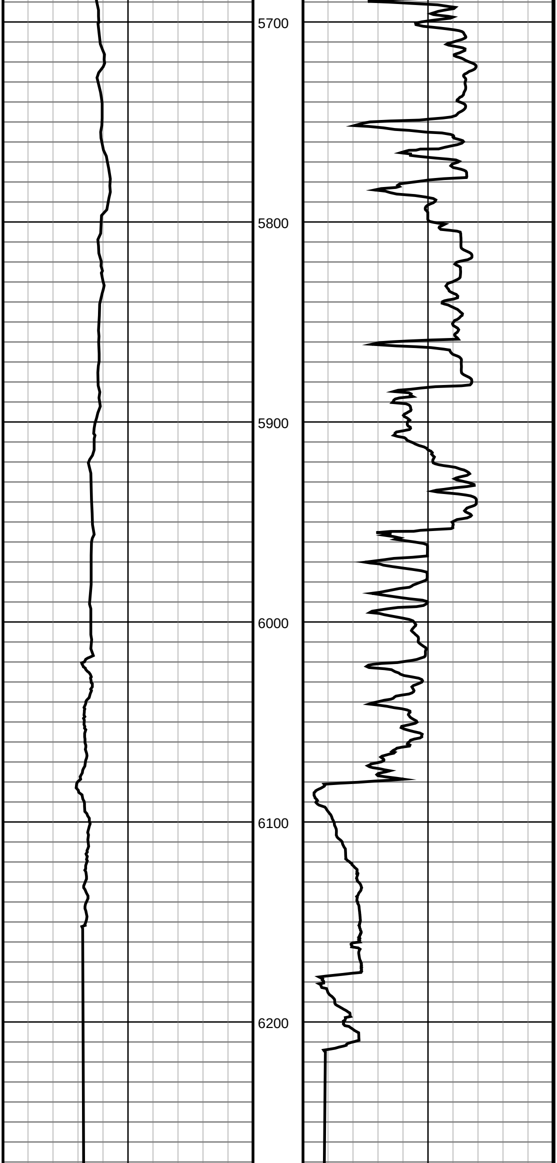
#54 MD(5223.00) Inc(1.0) Azm(87.0) TVD(5169.61)
VS(-566.90) N/-S(-166.18) E/-W(570.38)
DLS(0.3)

#55 MD(5319.00) Inc(1.6) Azm(101.4) TVD(5265.59)
VS(-569.04) N/-S(-166.40) E/-W(572.53)
DLS(0.7)

#56 MD(5415.00) Inc(0.2) Azm(260.9) TVD(5361.58)
VS(-570.19) N/-S(-166.69) E/-W(573.68)
DLS(1.9)

#57 MD(5511.00) Inc(0.7) Azm(197.4) TVD(5457.57)
VS(-569.83) N/-S(-167.28) E/-W(573.34)
DLS(0.7)

#58 MD(5607.00) Inc(0.8) Azm(183.0) TVD(5553.57)
VS(-569.60) N/-S(-168.51) E/-W(573.13)
DLS(0.2)



#59 MD(5702.00) Inc(0.7) Azm(170.0) TVD(5648.56)
VS(-569.64) N/-S(-169.74) E/-W(573.19)
DLS(0.2)

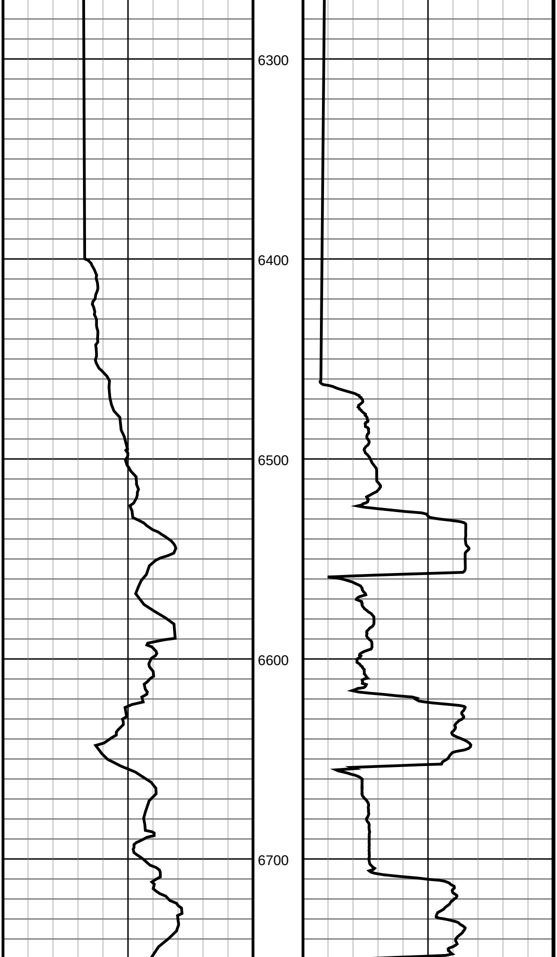
#60 MD(5798.00) Inc(0.8) Azm(176.0) TVD(5744.55)
VS(-569.76) N/-S(-170.99) E/-W(573.34)
DLS(0.1)

#61 MD(5921.00) Inc(0.3) Azm(144.8) TVD(5867.54)
VS(-569.98) N/-S(-172.11) E/-W(573.59)
DLS(0.5)

#62 MD(6017.00) Inc(0.4) Azm(111.6) TVD(5963.54)
VS(-570.43) N/-S(-172.43) E/-W(574.04)
DLS(0.2)

#63 MD(6113.00) Inc(4.6) Azm(279.5) TVD(6059.45)
VS(-566.96) N/-S(-171.92) E/-W(570.56)
DLS(5.2)

#64 MD(6209.00) Inc(15.3) Azm(282.5) TVD(6153.87)
VS(-550.82) N/-S(-168.54) E/-W(554.35)
DLS(11.2)



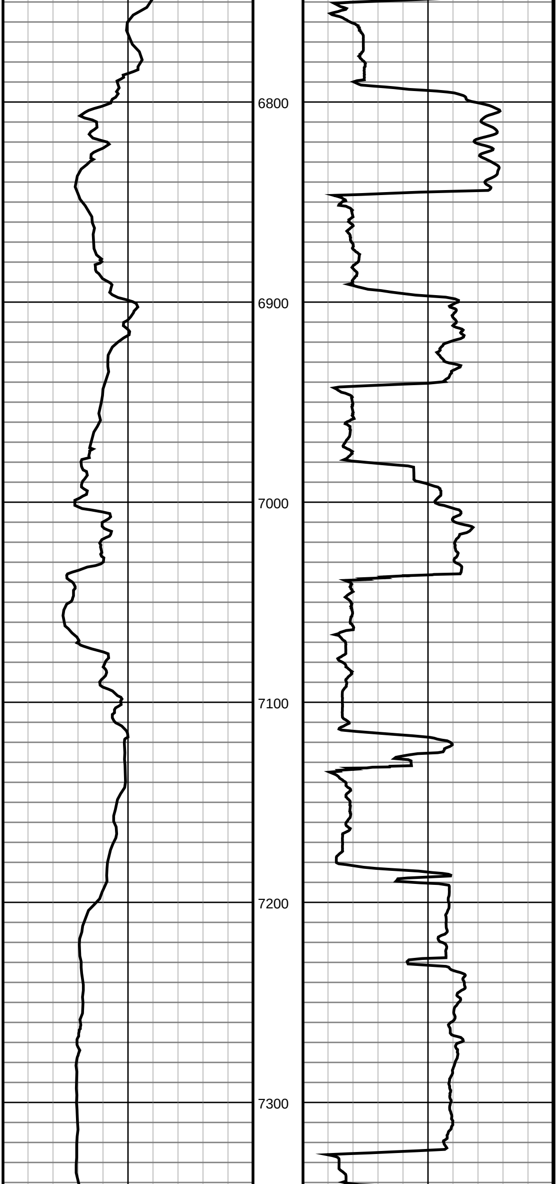
#65 MD(6305.00) Inc(22.4) Azm(272.3) TVD(6244.68)
VS(-520.21) N/-S(-165.05) E/-W(523.66)
DLS(8.1)

#66 MD(6400.00) Inc(28.8) Azm(269.8) TVD(6330.31)
VS(-479.22) N/-S(-164.41) E/-W(482.64)
DLS(6.8)

#67 MD(6496.00) Inc(35.2) Azm(271.1) TVD(6411.69)
VS(-428.39) N/-S(-163.96) E/-W(431.80)
DLS(6.7)

#68 MD(6592.00) Inc(42.9) Azm(271.8) TVD(6486.18)
VS(-368.02) N/-S(-162.40) E/-W(371.39)
DLS(8.0)

#69 MD(6688.00) Inc(51.0) Azm(271.6) TVD(6551.66)
VS(-298.02) N/-S(-160.33) E/-W(301.32)
DLS(8.4)



#70 MD(6784.00) Inc(57.7) Azm(272.6) TVD(6607.58)
VS(-220.18) N/-S(-157.44) E/-W(223.42)
DLS(7.0)

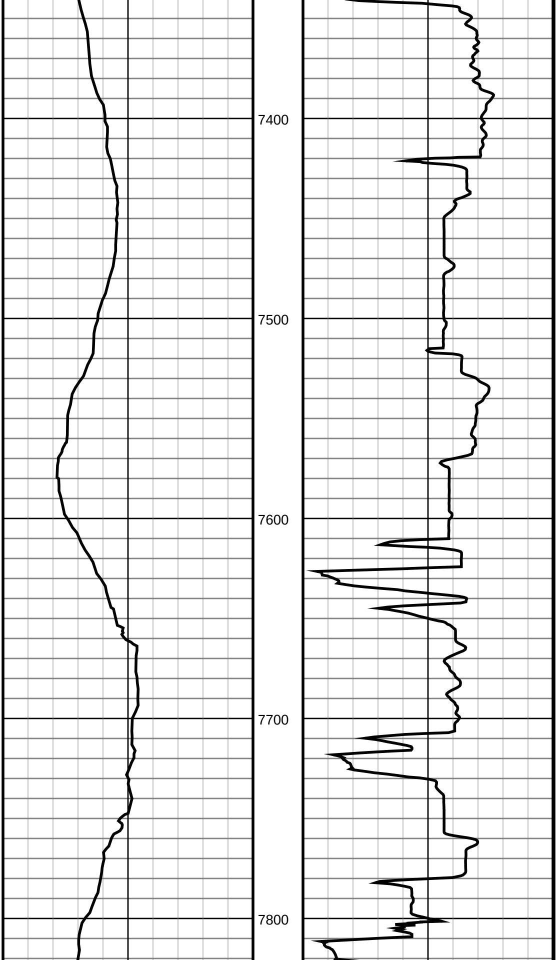
#71 MD(6879.00) Inc(63.8) Azm(271.4) TVD(6653.98)
VS(-137.46) N/-S(-154.57) E/-W(140.62)
DLS(6.5)

#72 MD(6975.00) Inc(69.2) Azm(271.1) TVD(6692.25)
VS(-49.53) N/-S(-152.66) E/-W(52.63)
DLS(5.6)

#73 MD(7071.00) Inc(75.2) Azm(269.6) TVD(6721.58)
VS(41.79) N/-S(-152.12) E/-W(-38.72)
DLS(6.4)

#74 MD(7167.00) Inc(86.6) Azm(270.5) TVD(6736.74)
VS(136.41) N/-S(-152.03) E/-W(-133.36)
DLS(11.9)

#75 MD(7263.00) Inc(87.5) Azm(270.5) TVD(6741.68)
VS(232.24) N/-S(-151.19) E/-W(-229.23)
DLS(0.9)



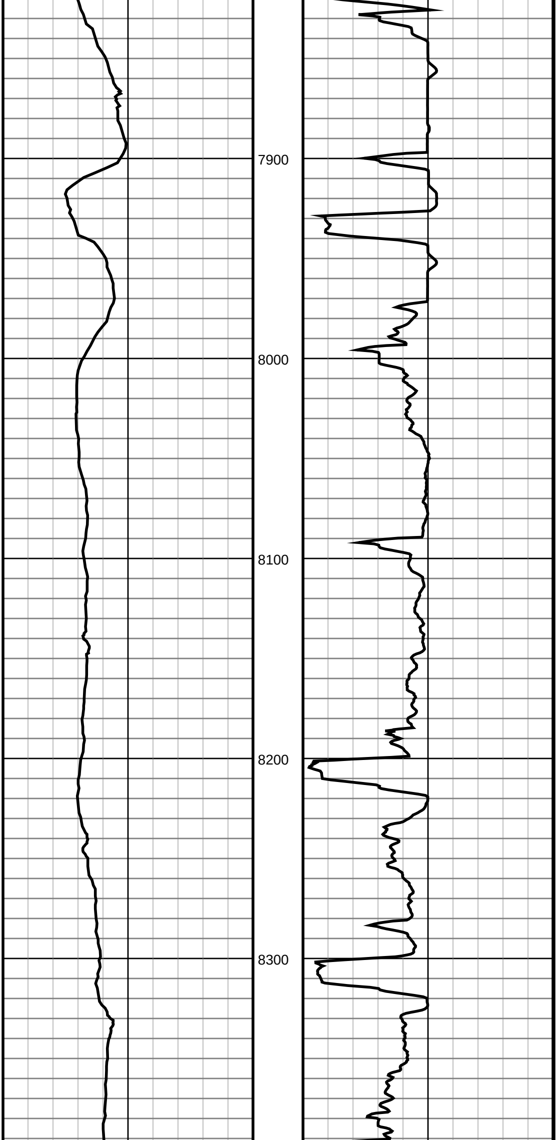
#76 MD(7358.00) Inc(89.1) Azm(271.6) TVD(6744.50)
VS(327.12) N/-S(-149.45) E/-W(-324.16)
DLS(2.0)

#77 MD(7454.00) Inc(89.2) Azm(271.1) TVD(6745.92)
VS(423.02) N/-S(-147.19) E/-W(-420.13)
DLS(0.5)

#78 MD(7549.00) Inc(88.7) Azm(270.9) TVD(6747.66)
VS(517.94) N/-S(-145.53) E/-W(-515.10)
DLS(0.6)

#79 MD(7645.00) Inc(89.6) Azm(270.5) TVD(6749.09)
VS(613.87) N/-S(-144.36) E/-W(-611.08)
DLS(1.0)

#80 MD(7741.00) Inc(88.8) Azm(270.7) TVD(6750.43)
VS(709.82) N/-S(-143.35) E/-W(-707.06)
DLS(0.9)



#81 MD(7837.00) Inc(90.1) Azm(270.4) TVD(6751.35)
VS(805.77) N/-S(-142.43) E/-W(-803.05)
DLS(1.4)

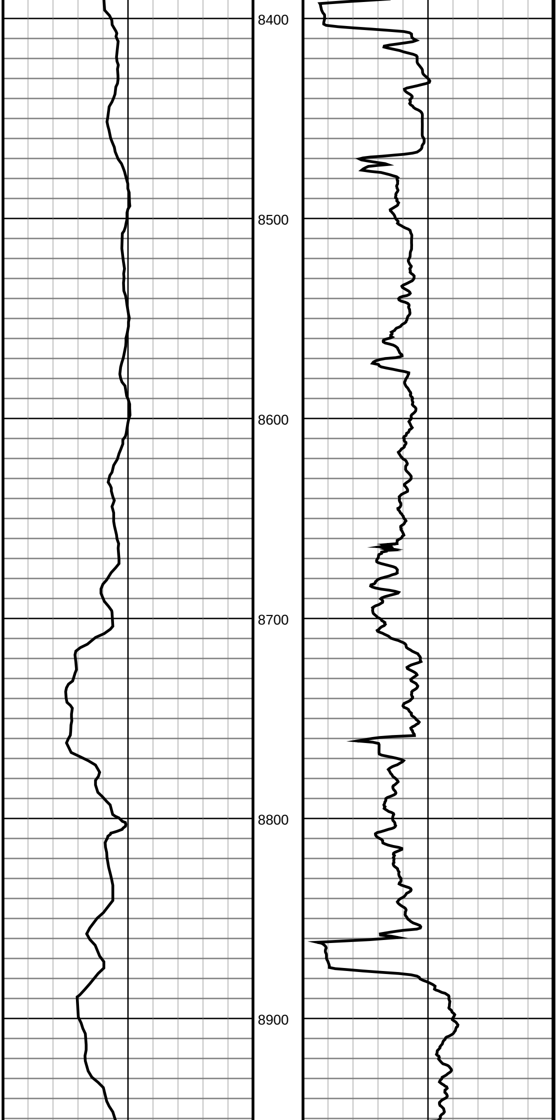
#82 MD(7933.00) Inc(90.7) Azm(270.2) TVD(6750.68)
VS(901.73) N/-S(-141.93) E/-W(-899.05)
DLS(0.7)

#83 MD(8029.00) Inc(90.4) Azm(269.3) TVD(6749.76)
VS(997.72) N/-S(-142.35) E/-W(-995.04)
DLS(1.0)

#84 MD(8124.00) Inc(90.1) Azm(268.9) TVD(6749.34)
VS(1092.71) N/-S(-143.84) E/-W(-1090.03)
DLS(0.5)

#85 MD(8220.00) Inc(90.3) Azm(268.9) TVD(6749.01)
VS(1188.71) N/-S(-145.68) E/-W(-1186.01)
DLS(0.2)

#86 MD(8315.00) Inc(90.3) Azm(269.8) TVD(6748.51)
VS(1283.71) N/-S(-146.76) E/-W(-1281.00)
DLS(0.9)



#87 MD(8411.00) Inc(91.0) Azm(270.2) TVD(6747.42)
VS(1379.68) N/-S(-146.76) E/-W(-1376.99)
DLS(0.8)

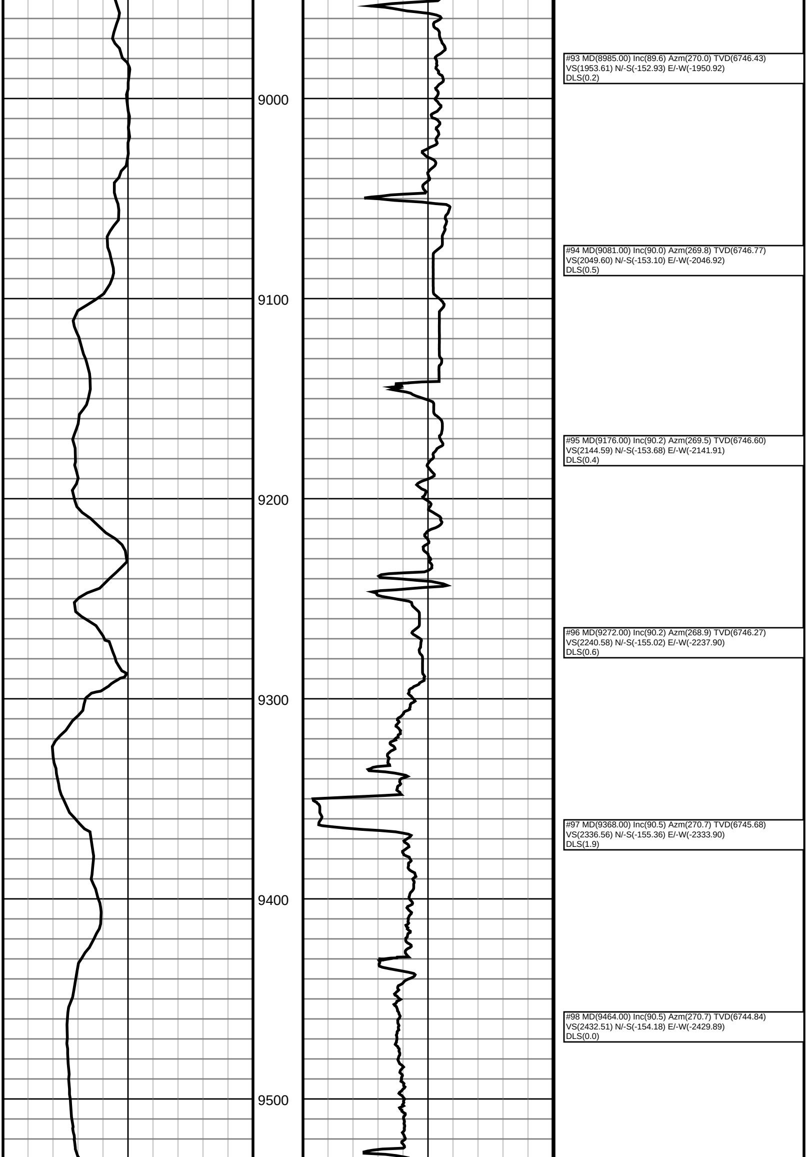
#88 MD(8506.00) Inc(90.7) Azm(269.6) TVD(6746.01)
VS(1474.65) N/-S(-146.93) E/-W(-1471.98)
DLS(0.7)

#89 MD(8602.00) Inc(90.0) Azm(269.1) TVD(6745.43)
VS(1570.65) N/-S(-148.02) E/-W(-1567.97)
DLS(0.9)

#90 MD(8698.00) Inc(89.9) Azm(268.9) TVD(6745.51)
VS(1666.65) N/-S(-149.69) E/-W(-1663.96)
DLS(0.2)

#91 MD(8793.00) Inc(90.1) Azm(268.4) TVD(6745.51)
VS(1761.65) N/-S(-151.93) E/-W(-1758.93)
DLS(0.6)

#92 MD(8889.00) Inc(89.6) Azm(270.2) TVD(6745.76)
VS(1857.64) N/-S(-153.10) E/-W(-1854.92)
DLS(1.9)



#93 MD(8985.00) Inc(89.6) Azm(270.0) TVD(6746.43)
VS(1953.61) N/-S(-152.93) E/-W(-1950.92)
DLS(0.2)

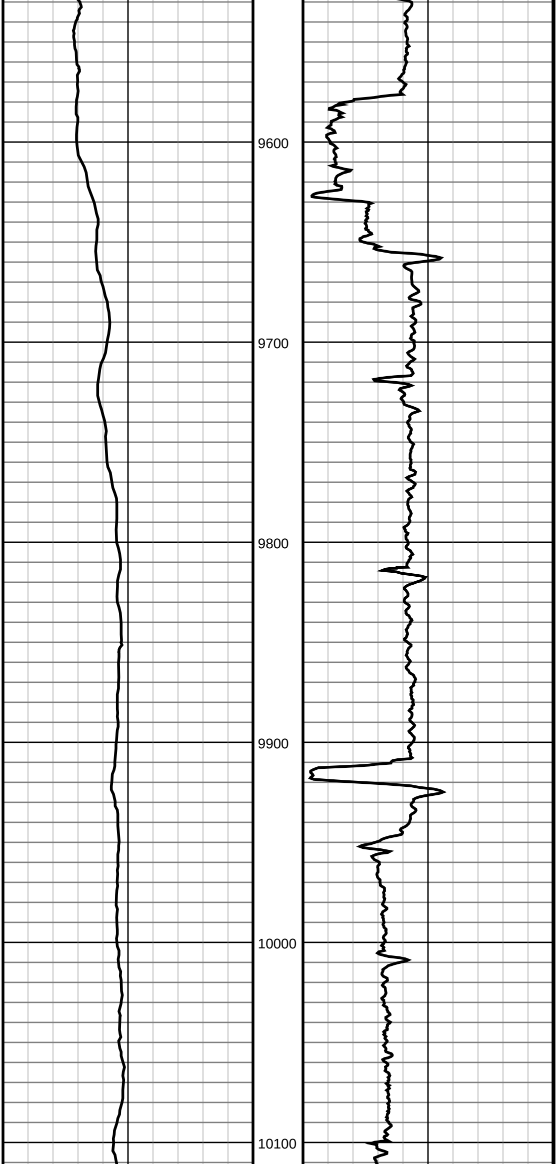
#94 MD(9081.00) Inc(90.0) Azm(269.8) TVD(6746.77)
VS(2049.60) N/-S(-153.10) E/-W(-2046.92)
DLS(0.5)

#95 MD(9176.00) Inc(90.2) Azm(269.5) TVD(6746.60)
VS(2144.59) N/-S(-153.68) E/-W(-2141.91)
DLS(0.4)

#96 MD(9272.00) Inc(90.2) Azm(268.9) TVD(6746.27)
VS(2240.58) N/-S(-155.02) E/-W(-2237.90)
DLS(0.6)

#97 MD(9368.00) Inc(90.5) Azm(270.7) TVD(6745.68)
VS(2336.56) N/-S(-155.36) E/-W(-2333.90)
DLS(1.9)

#98 MD(9464.00) Inc(90.5) Azm(270.7) TVD(6744.84)
VS(2432.51) N/-S(-154.18) E/-W(-2429.89)
DLS(0.0)



#99 MD(9560.00) Inc(90.3) Azm(270.5) TVD(6744.17)
VS(2528.46) N/-S(-153.18) E/-W(-2525.88)
DLS(0.3)

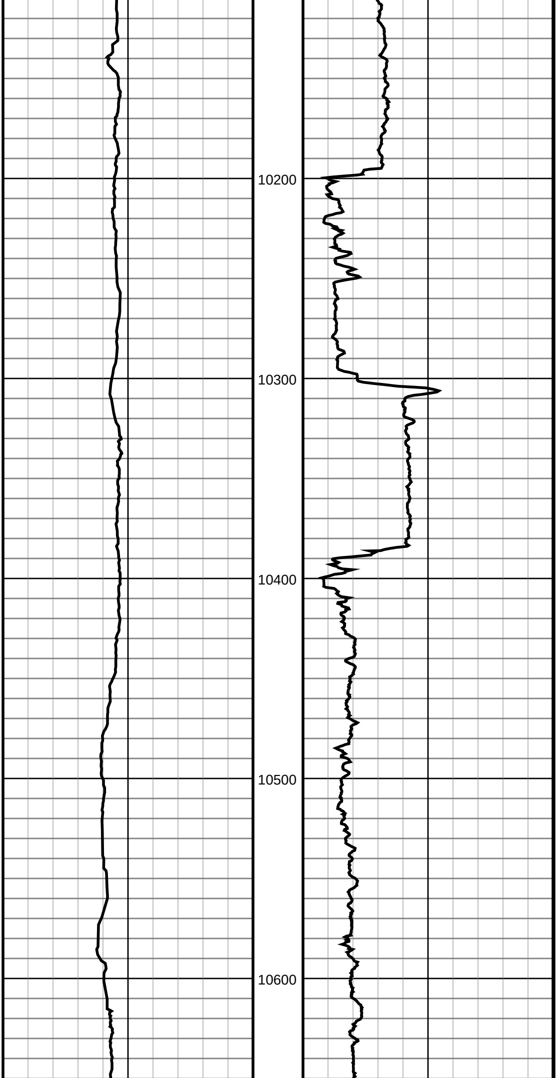
#100 MD(9656.00) Inc(90.5) Azm(269.8) TVD(6743.50)
VS(2624.43) N/-S(-152.93) E/-W(-2621.88)
DLS(0.8)

#101 MD(9752.00) Inc(90.1) Azm(269.5) TVD(6743.00)
VS(2720.42) N/-S(-153.51) E/-W(-2717.87)
DLS(0.5)

#102 MD(9848.00) Inc(89.7) Azm(269.3) TVD(6743.17)
VS(2816.42) N/-S(-154.52) E/-W(-2813.87)
DLS(0.5)

#103 MD(9943.00) Inc(90.3) Azm(270.7) TVD(6743.17)
VS(2911.40) N/-S(-154.52) E/-W(-2908.86)
DLS(1.6)

#104 MD(10039.00) Inc(90.0) Azm(270.7) TVD(6742.92)
VS(3007.34) N/-S(-153.35) E/-W(-3004.86)
DLS(0.3)



#105 MD(10134.00) Inc(89.8) Azm(270.7) TVD(6743.08)
VS(3102.29) N/-S(-152.19) E/-W(-3099.85)
DLS(0.2)

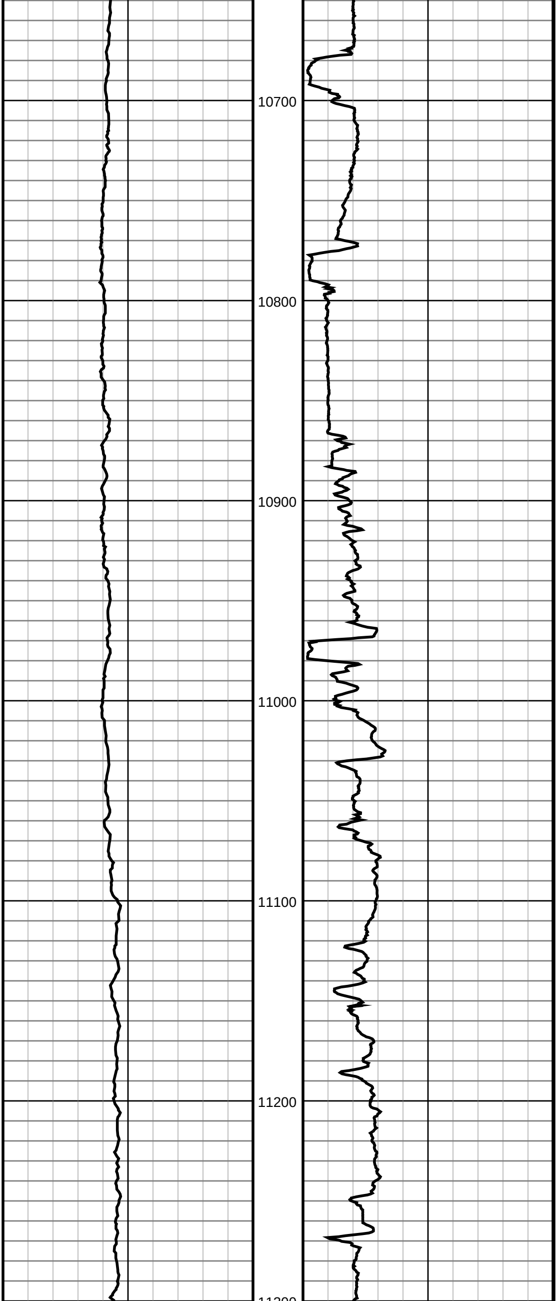
#106 MD(10230.00) Inc(89.5) Azm(270.7) TVD(6743.67)
VS(3198.24) N/-S(-151.01) E/-W(-3195.84)
DLS(0.3)

#107 MD(10325.00) Inc(89.8) Azm(270.4) TVD(6744.25)
VS(3293.20) N/-S(-150.10) E/-W(-3290.83)
DLS(0.4)

#108 MD(10421.00) Inc(90.0) Azm(270.2) TVD(6744.42)
VS(3389.17) N/-S(-149.60) E/-W(-3386.83)
DLS(0.3)

#109 MD(10517.00) Inc(89.5) Azm(269.5) TVD(6744.83)
VS(3485.15) N/-S(-149.85) E/-W(-3482.83)
DLS(0.9)

#110 MD(10612.00) Inc(89.6) Azm(268.1) TVD(6745.58)
VS(3580.14) N/-S(-151.84) E/-W(-3577.80)
DLS(1.5)



#111 MD(10707.00) Inc(89.7) Azm(269.1) TVD(6746.16)
VS(3675.14) N/-S(-154.16) E/-W(-3672.77)
DLS(1.1)

#112 MD(10803.00) Inc(89.3) Azm(270.2) TVD(6747.00)
VS(3771.12) N/-S(-154.75) E/-W(-3768.76)
DLS(1.2)

#113 MD(10899.00) Inc(89.3) Azm(270.7) TVD(6748.17)
VS(3867.08) N/-S(-153.99) E/-W(-3864.75)
DLS(0.5)

#114 MD(10995.00) Inc(90.4) Azm(271.2) TVD(6748.42)
VS(3963.01) N/-S(-152.40) E/-W(-3960.74)
DLS(1.3)

#115 MD(11090.00) Inc(90.2) Azm(270.7) TVD(6747.93)
VS(4057.95) N/-S(-150.83) E/-W(-4055.72)
DLS(0.6)

#116 MD(11186.00) Inc(89.9) Azm(270.0) TVD(6747.84)
VS(4153.91) N/-S(-150.24) E/-W(-4151.72)
DLS(0.8)

#117 MD(11282.00) Inc(89.7) Azm(269.3) TVD(6748.18)
VS(4249.90) N/-S(-150.83) E/-W(-4247.72)
DLS(0.8)

#118 MD(11378.00) Inc(90.4) Azm(269.8) TVD(6748.09)
VS(4345.89) N/-S(-151.58) E/-W(-4343.71)
DLS(0.9)

#119 MD(11474.00) Inc(90.0) Azm(269.3) TVD(6747.76)
VS(4441.88) N/-S(-152.33) E/-W(-4439.71)
DLS(0.7)

#120 MD(11569.00) Inc(89.9) Azm(269.6) TVD(6747.84)
VS(4536.88) N/-S(-153.25) E/-W(-4534.71)
DLS(0.3)

#121 MD(11665.00) Inc(89.9) Azm(268.9) TVD(6748.01)
VS(4632.88) N/-S(-154.50) E/-W(-4630.70)
DLS(0.7)

#122 MD(11761.00) Inc(90.5) Azm(269.8) TVD(6747.67)
VS(4728.87) N/-S(-155.59) E/-W(-4726.69)
DLS(1.1)

#123 MD(11857.00) Inc(90.7) Azm(271.1) TVD(6746.67)
VS(4824.82) N/-S(-154.84) E/-W(-4822.68)
DLS(1.4)

#124 MD(11952.00) Inc(91.1) Azm(270.2) TVD(6745.18)
VS(4919.76) N/-S(-153.76) E/-W(-4917.66)
DLS(1.0)

#125 MD(12048.00) Inc(91.4) Azm(269.3) TVD(6743.08)
VS(5015.73) N/-S(-154.18) E/-W(-5013.63)
DLS(1.0)

#126 MD(12143.00) Inc(89.8) Azm(270.2) TVD(6742.09)
VS(5110.71) N/-S(-154.59) E/-W(-5108.62)
DLS(1.9)

#127 MD(12239.00) Inc(89.8) Azm(269.1) TVD(6742.42)
VS(5206.70) N/-S(-155.18) E/-W(-5204.62)
DLS(1.1)

#128 MD(12335.00) Inc(89.2) Azm(270.2) TVD(6743.26)
VS(5302.68) N/-S(-155.77) E/-W(-5300.61)
DLS(1.3)

#129 MD(12431.00) Inc(89.2) Azm(270.9) TVD(6744.60)
VS(5398.63) N/-S(-154.84) E/-W(-5396.60)
DLS(0.7)

#130 MD(12526.00) Inc(90.0) Azm(270.5) TVD(6745.26)
VS(5493.57) N/-S(-153.68) E/-W(-5491.59)
DLS(0.9)

#131 MD(12622.00) Inc(90.5) Azm(270.4) TVD(6744.84)
VS(5589.54) N/-S(-152.93) E/-W(-5587.58)
DLS(0.5)

#132 MD(12718.00) Inc(91.2) Azm(269.8) TVD(6743.42)
VS(5685.50) N/-S(-152.76) E/-W(-5683.57)
DLS(1.0)

#133 MD(12814.00) Inc(90.5) Azm(270.2) TVD(6742.00)
VS(5781.47) N/-S(-152.76) E/-W(-5779.56)
DLS(0.8)

#134 MD(12910.00) Inc(89.5) Azm(270.5) TVD(6742.00)
VS(5877.43) N/-S(-152.18) E/-W(-5875.56)
DLS(1.1)

#135 MD(13005.00) Inc(89.3) Azm(269.5) TVD(6742.99)
VS(5972.41) N/-S(-152.18) E/-W(-5970.55)
DLS(1.1)

#136 MD(13101.00) Inc(90.0) Azm(271.2) TVD(6743.58)
VS(6068.37) N/-S(-151.59) E/-W(-6066.54)
DLS(1.9)

#137 MD(13197.00) Inc(90.1) Azm(270.2) TVD(6743.49)
VS(6164.32) N/-S(-150.42) E/-W(-6162.54)
DLS(1.0)

#138 MD(13293.00) Inc(90.5) Azm(269.5) TVD(6742.99)
VS(6260.30) N/-S(-150.67) E/-W(-6258.53)
DLS(0.8)

#139 MD(13389.00) Inc(89.8) Azm(269.5) TVD(6742.74)
VS(6356.29) N/-S(-151.51) E/-W(-6354.53)
DLS(0.7)

#140 MD(13485.00) Inc(89.1) Azm(268.6) TVD(6743.66)
VS(6452.29) N/-S(-153.10) E/-W(-6450.51)
DLS(1.2)

#141 MD(13581.00) Inc(88.5) Azm(268.6) TVD(6745.67)
VS(6548.26) N/-S(-155.44) E/-W(-6546.46)
DLS(0.6)

#142 MD(13677.00) Inc(88.5) Azm(269.8) TVD(6748.18)
VS(6644.23) N/-S(-156.78) E/-W(-6642.42)
DLS(1.2)

#143 MD(13772.00) Inc(89.6) Azm(270.5) TVD(6749.76)
VS(6739.19) N/-S(-156.53) E/-W(-6737.40)
DLS(1.4)

#144 MD(13868.00) Inc(89.9) Azm(269.8) TVD(6750.18)
VS(6835.16) N/-S(-156.28) E/-W(-6833.40)
DLS(0.8)

#145 MD(13963.00) Inc(90.9) Azm(271.4) TVD(6749.52)
VS(6930.11) N/-S(-155.29) E/-W(-6928.39)
DLS(2.0)

#146 MD(14059.00) Inc(91.3) Azm(270.5) TVD(6747.67)
VS(7026.03) N/-S(-153.70) E/-W(-7024.35)
DLS(1.0)

#147 MD(14155.00) Inc(91.6) Azm(269.5) TVD(6745.24)
VS(7121.97) N/-S(-153.70) E/-W(-7120.32)
DLS(1.1)

#148 MD(14251.00) Inc(92.3) Azm(268.8) TVD(6741.98)
VS(7217.92) N/-S(-155.12) E/-W(-7216.25)
DLS(1.0)

#149 MD(14285.00) Inc(92.1) Azm(268.6) TVD(6740.67)
VS(7251.89) N/-S(-155.89) E/-W(-7250.22)
DLS(0.8)