Horsetail 07E-1803

TVD
5":100’

Company: Whiting Petroleum Corp.
Well Name: Horsetail 07E-1803
API: 05-123-41644-00
County/Parish: Weld County
State: Colorado
Country: USA
Job number: GC-150055
Field: Wildcat
Rig Id: Unit 409
Survey Company: Precision Directional Services, Inc.

	Depth	**Date**
Log measurements:		
Depth measured from:	**Start:** 0 ft	01/19/2016
Maximum temperature: 219.2	**End:** 13917 ft	01/23/2016

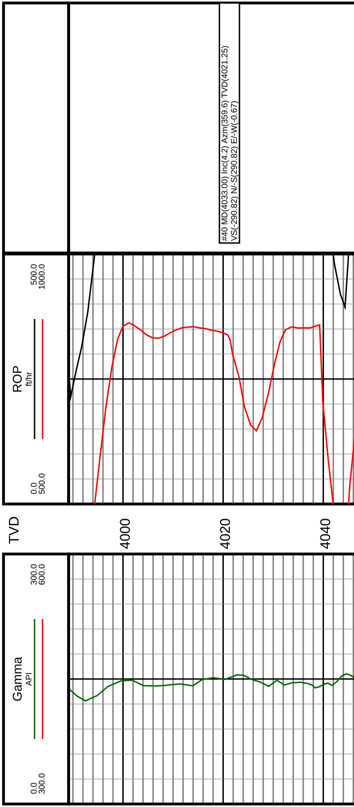
Casing	**Depth**	**Size**
Surface:	2035 ft	
Intermediate:	13917 ft	

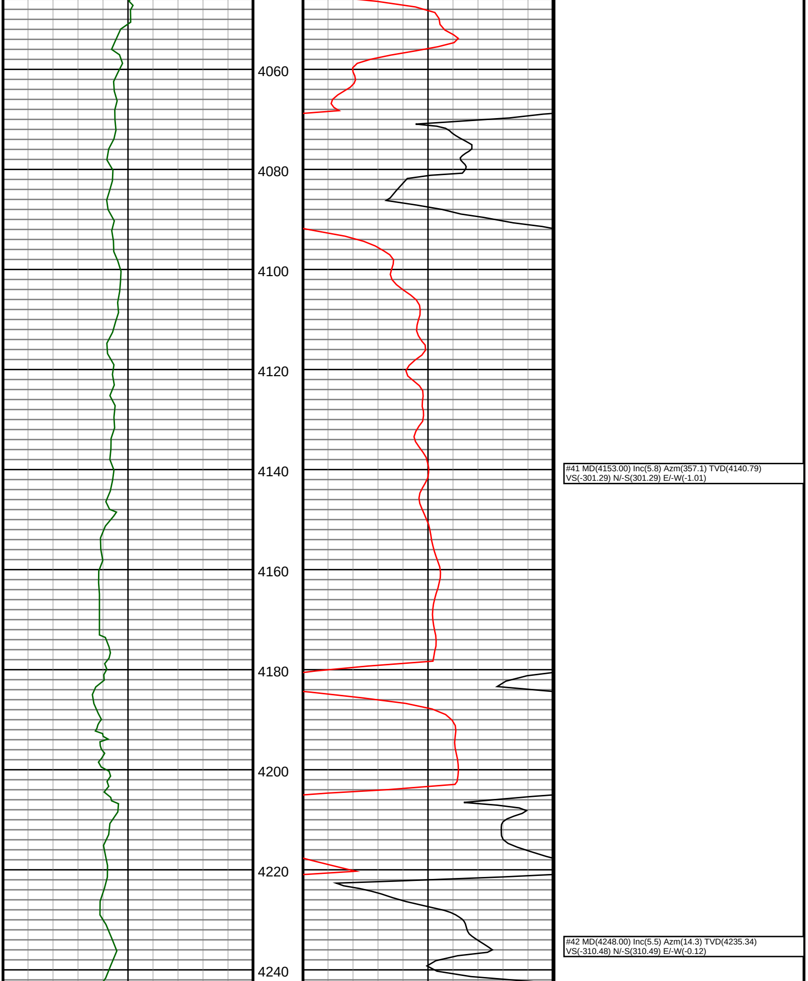
Mud Type: WBM
Density: 10
Viscosity: 35
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4946.6 ft
GL: 4925.6 ft
DF: 21 ft

		Offsets		**Depths**		**Dates**	
Run	**Bit Size**	**Gamma**	**Survey**	**Start**	**End**	**Start**	**End**
1	13.5"		57.00 ft	0 ft	2035 ft	01/19/2016	01/20/2016
2	8.5"	48.00 ft	61.00 ft	2035 ft	13917 ft	01/20/2016	01/23/2016
3							
4							
5							
6							
7							
8							
9							
10							

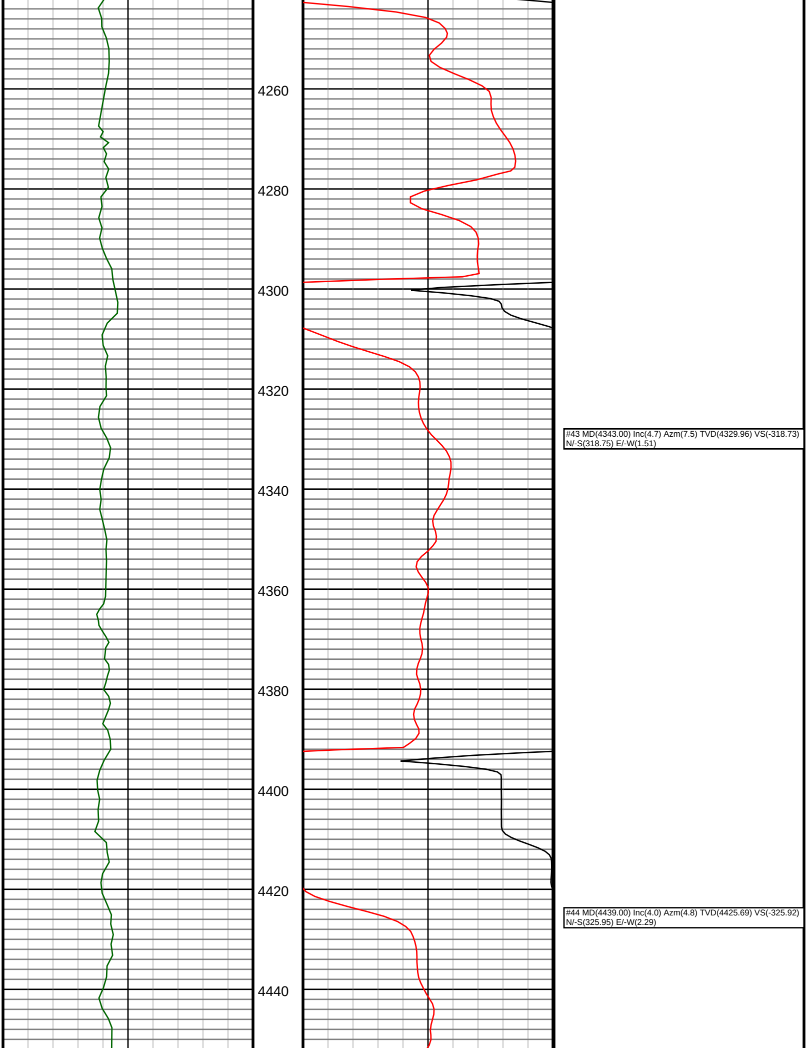
Precision Directional Services, Inc. uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.





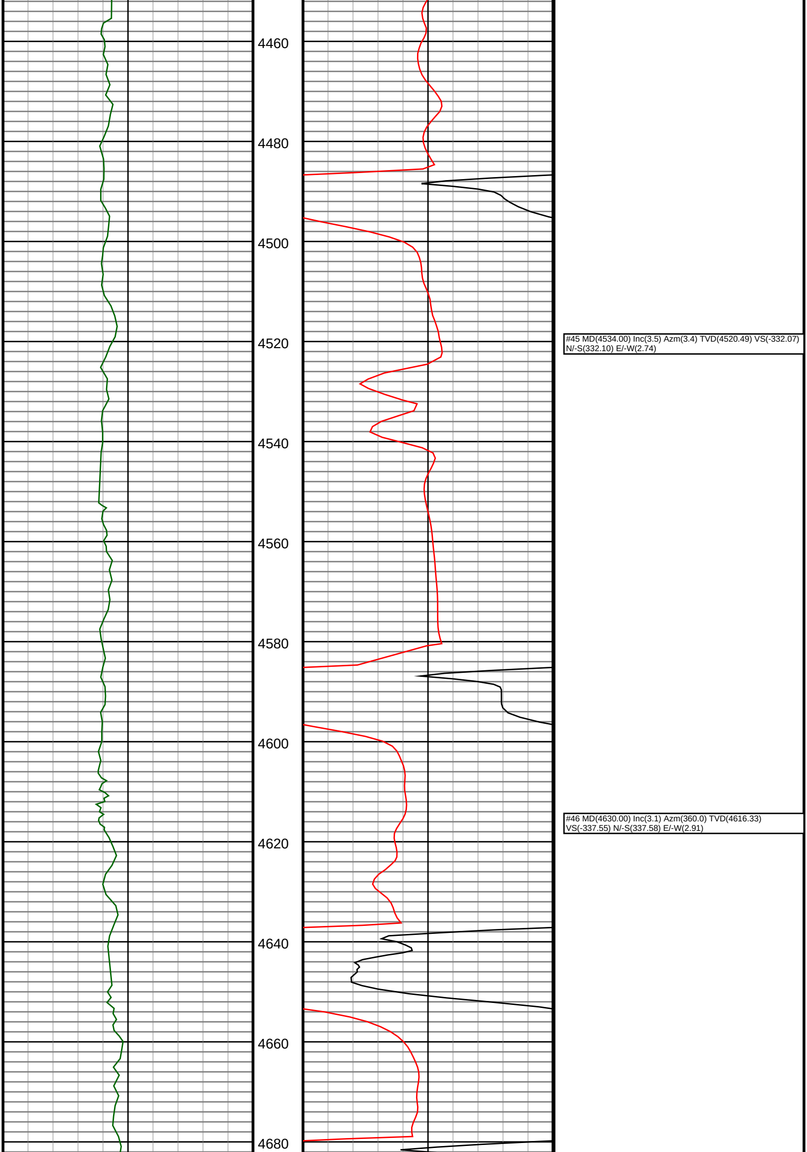
#41 MD(4153.00) Inc(5.8) Azm(357.1) TVD(4140.79)
VS(-301.29) N/-S(301.29) E/-W(-1.01)

#42 MD(4248.00) Inc(5.5) Azm(14.3) TVD(4235.34)
VS(-310.48) N/-S(310.49) E/-W(-0.12)



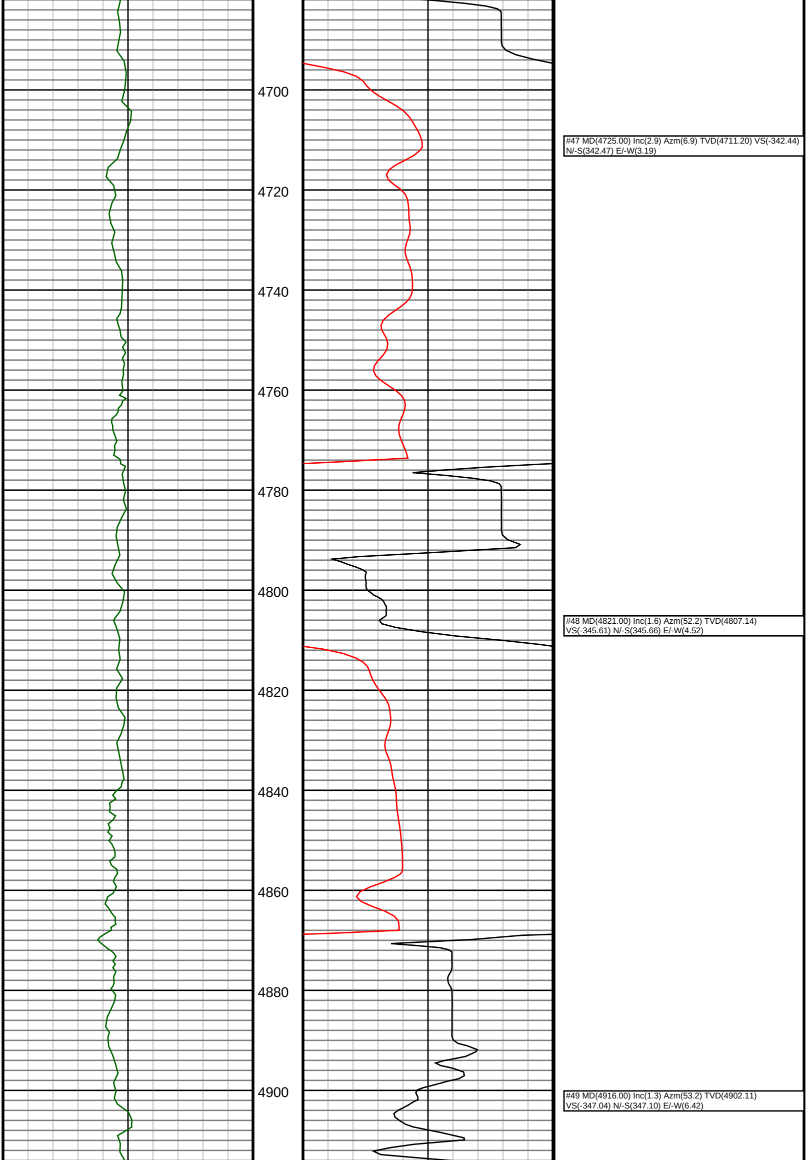
#43 MD(4343.00) Inc(4.7) Azm(7.5) TVD(4329.96) VS(-318.73) N/-S(318.75) E/-W(1.51)

#44 MD(4439.00) Inc(4.0) Azm(4.8) TVD(4425.69) VS(-325.92) N/-S(325.95) E/-W(2.29)



#45 MD(4534.00) Inc(3.5) Azm(3.4) TVD(4520.49) VS(-332.07) N/-S(332.10) E/-W(2.74)

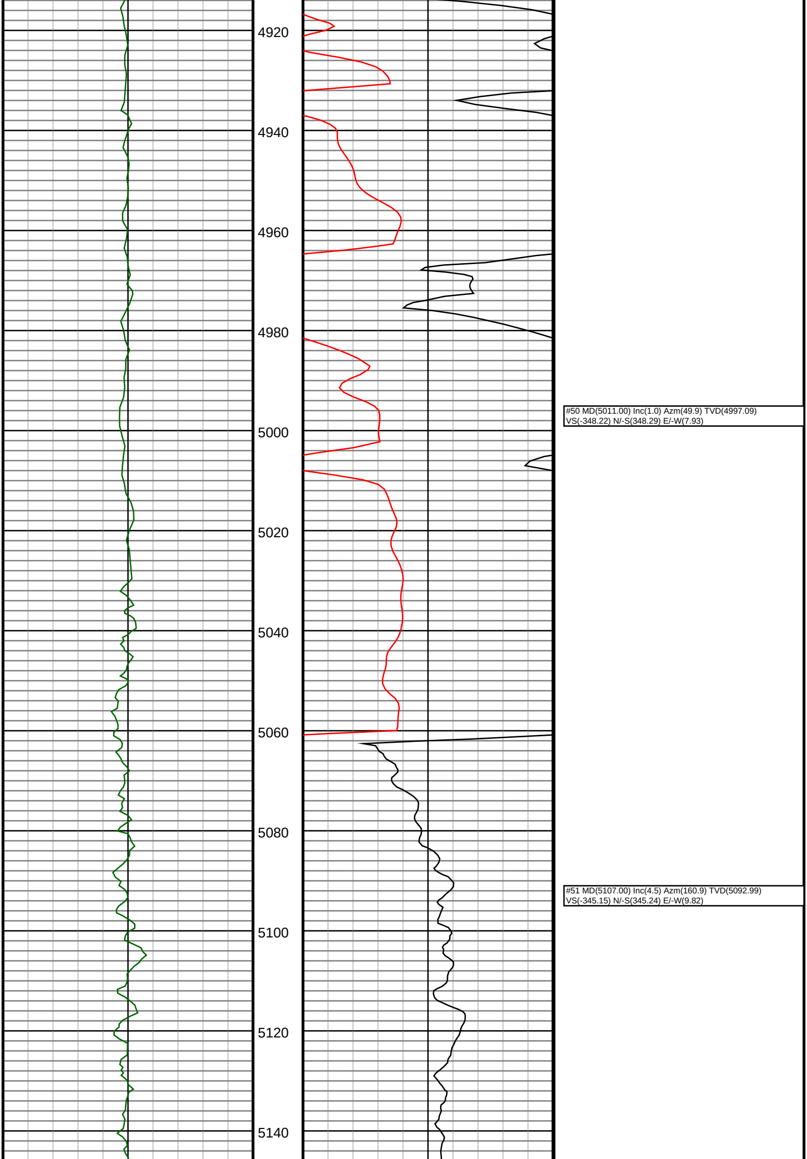
#46 MD(4630.00) Inc(3.1) Azm(360.0) TVD(4616.33) VS(-337.55) N/-S(337.58) E/-W(2.91)



#47 MD(4725.00) Inc(2.9) Azm(6.9) TVD(4711.20) VS(-342.44)
N/-S(342.47) E/-W(3.19)

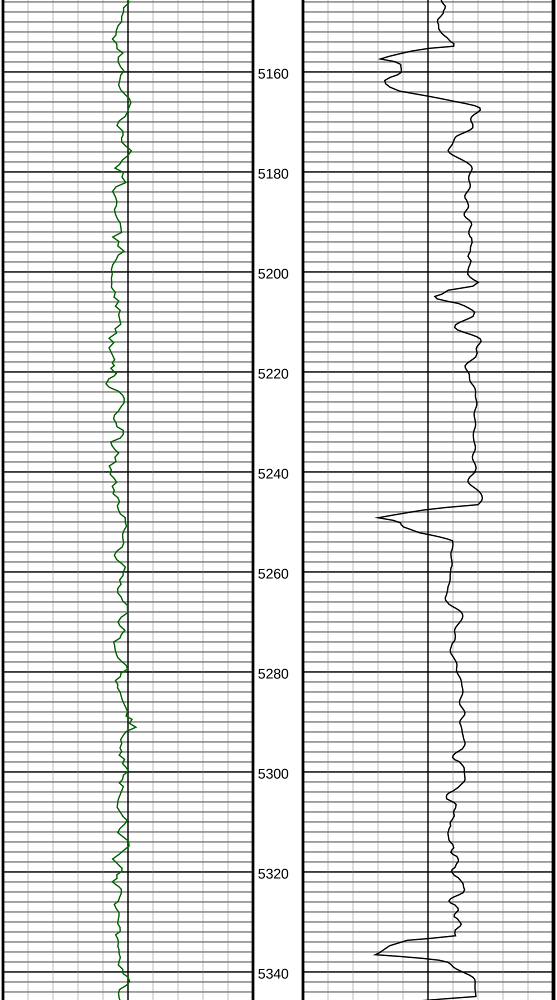
#48 MD(4821.00) Inc(1.6) Azm(52.2) TVD(4807.14)
VS(-345.61) N/-S(345.66) E/-W(4.52)

#49 MD(4916.00) Inc(1.3) Azm(53.2) TVD(4902.11)
VS(-347.04) N/-S(347.10) E/-W(6.42)



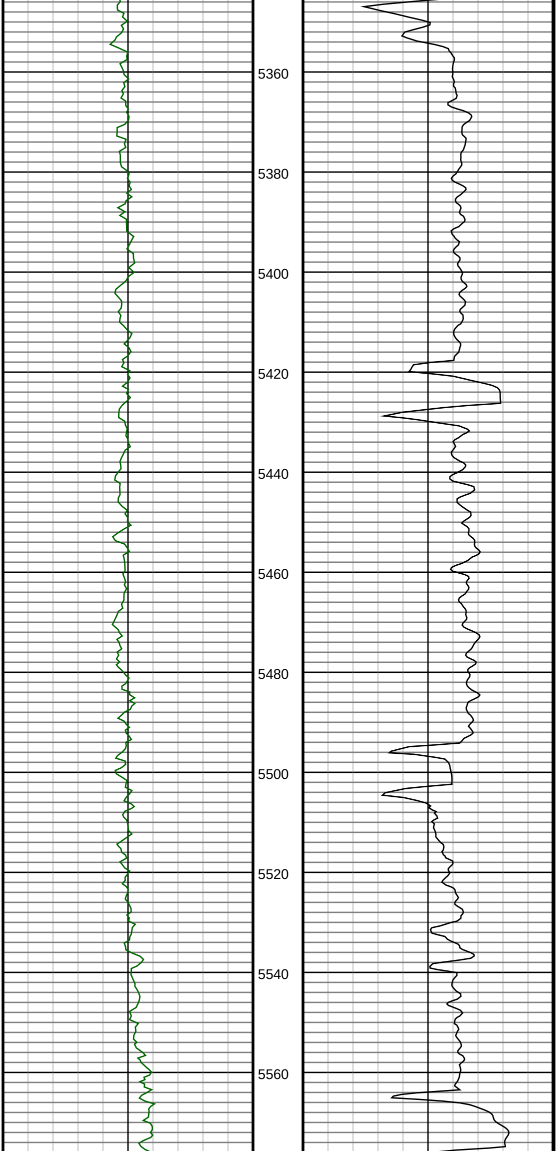
#50 MD(5011.00) Inc(1.0) Azm(49.9) TVD(4997.09)
VS(-348.22) N/-S(348.29) E/-W(7.93)

#51 MD(5107.00) Inc(4.5) Azm(160.9) TVD(5092.99)
VS(-345.15) N/-S(345.24) E/-W(9.82)



#52 MD(5202.00) Inc(13.5) Azm(166.3) TVD(5186.72)
VS(-330.79) N/-S(330.90) E/-W(13.68)

#53 MD(5297.00) Inc(21.4) Azm(171.6) TVD(5277.30)
VS(-302.84) N/-S(302.99) E/-W(18.84)

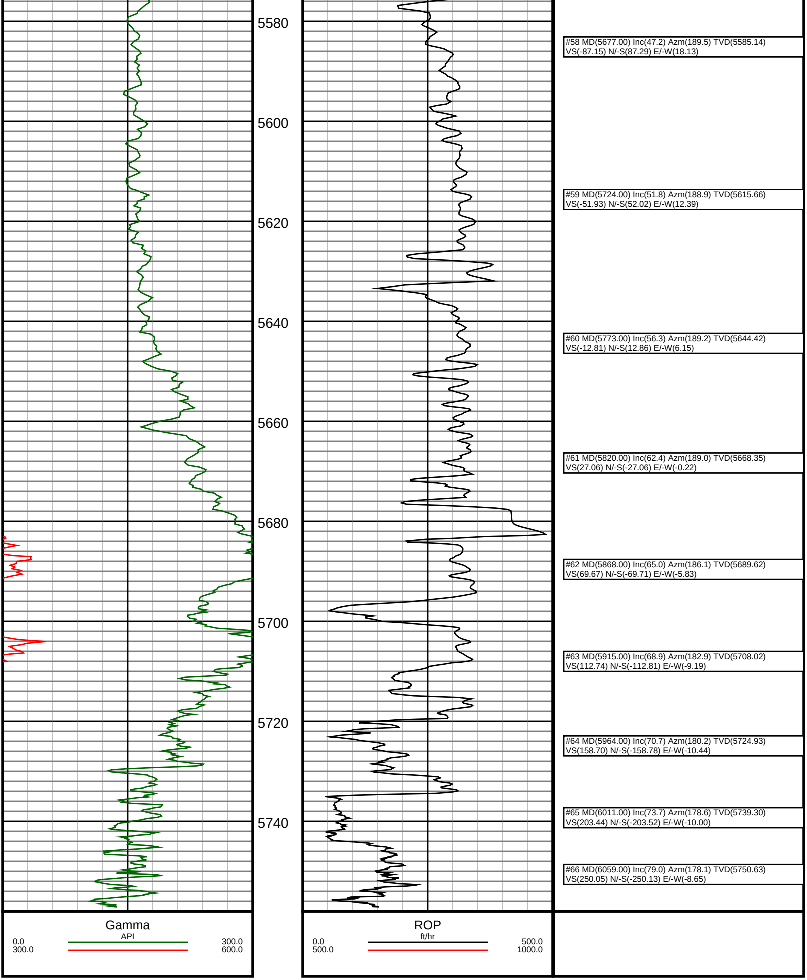


#54 MD(5391.00) Inc(28.2) Azm(175.6) TVD(5362.60)
VS(-263.68) N/-S(263.87) E/-W(23.05)

#55 MD(5487.00) Inc(35.3) Azm(176.4) TVD(5444.18)
VS(-213.28) N/-S(213.49) E/-W(26.51)

#56 MD(5583.00) Inc(42.1) Azm(183.2) TVD(5519.07)
VS(-153.34) N/-S(153.55) E/-W(26.42)

#57 MD(5630.00) Inc(46.0) Azm(187.7) TVD(5552.85)
VS(-120.87) N/-S(121.05) E/-W(23.26)



#58 MD(5677.00) Inc(47.2) Azm(189.5) TVD(5585.14)
VS(-87.15) N/-S(87.29) E/-W(18.13)

#59 MD(5724.00) Inc(51.8) Azm(188.9) TVD(5615.66)
VS(-51.93) N/-S(52.02) E/-W(12.39)

#60 MD(5773.00) Inc(56.3) Azm(189.2) TVD(5644.42)
VS(-12.81) N/-S(12.86) E/-W(6.15)

#61 MD(5820.00) Inc(62.4) Azm(189.0) TVD(5668.35)
VS(27.06) N/-S(-27.06) E/-W(-0.22)

#62 MD(5868.00) Inc(65.0) Azm(186.1) TVD(5689.62)
VS(69.67) N/-S(-69.71) E/-W(-5.83)

#63 MD(5915.00) Inc(68.9) Azm(182.9) TVD(5708.02)
VS(112.74) N/-S(-112.81) E/-W(-9.19)

#64 MD(5964.00) Inc(70.7) Azm(180.2) TVD(5724.93)
VS(158.70) N/-S(-158.78) E/-W(-10.44)

#65 MD(6011.00) Inc(73.7) Azm(178.6) TVD(5739.30)
VS(203.44) N/-S(-203.52) E/-W(-10.00)

#66 MD(6059.00) Inc(79.0) Azm(178.1) TVD(5750.63)
VS(250.05) N/-S(-250.13) E/-W(-8.65)