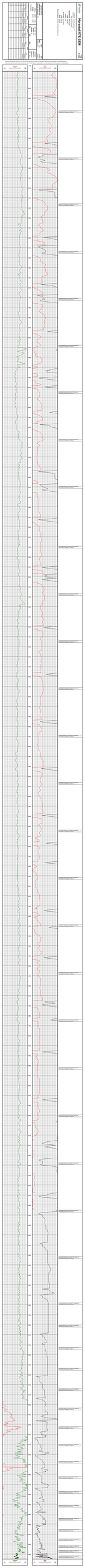

Horsetail 07E-1834

TVD
5":100'

Precision Directional Services

Company: Whiting Petroleum Corp.
Well Name: Horsetail 07E-1834
API: 05-123-41642000
County/Parish: Weld County
State: Colorado
Country: USA
Job number: GC-150050
Field: Wild Cat
Rig Id: Unit 409
Survey Company: Precision Directional Services, Inc.

Log measurements:	**Depth**	**Date**

Log measurements:
Depth measured from:
Maximum temperature: 224

	Depth	**Date**
Start:	0 ft	12/15/15
End:	14144 ft	12/20/15

Casing	**Depth**	**Size**
Surface:	2013 ft	9 5/8"
Intermediate:		

Mud Type: WBM
Density: 10.1
Viscosity: 41
Rm: **Rmf:** **Rmc:**

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

Run	**Bit Size**	**Offsets** Gamma	**Offsets** Survey	**Depths** Start	**Depths** End	**Dates** Start	**Dates** End
1	13.5"		54.00 ft	0 ft	2021 ft	12/15/15	12/16/15
2	8.5"	48.00 ft	61.00 ft	2021 ft	14144 ft	12/17/15	12/20/15
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.

#32 MD(3084.00) Inc(6.7) Azm(305.6) TVD(3067.72)
VS(-195.19) N/-S(194.15) E/-W(-220.81)

#33 MD(3179.00) Inc(7.3) Azm(303.2) TVD(3162.01)
VS(-201.76) N/-S(200.67) E/-W(-230.37)

#34 MD(3272.00) Inc(6.5) Azm(300.6) TVD(3254.33)
VS(-207.73) N/-S(206.61) E/-W(-239.88)

#35 MD(3368.00) Inc(7.2) Azm(308.8) TVD(3349.64)
VS(-214.33) N/-S(213.16) E/-W(-249.26)

#36 MD(3463.00) Inc(8.2) Azm(316.1) TVD(3443.78)
VS(-223.01) N/-S(221.79) E/-W(-258.60)

#37 MD(3558.00) Inc(7.2) Azm(313.8) TVD(3537.92)
VS(-232.07) N/-S(230.81) E/-W(-267.62)

#38 MD(3652.00) Inc(7.1) Azm(312.7) TVD(3631.20)
VS(-240.10) N/-S(238.80) E/-W(-276.13)

#39 MD(3748.00) Inc(6.6) Azm(308.6) TVD(3726.51)
VS(-247.61) N/-S(246.27) E/-W(-284.81)

#40 MD(3843.00) Inc(7.4) Azm(320.0) TVD(3820.80)
VS(-255.78) N/-S(254.40) E/-W(-293.03)

#41 MD(3964.00) Inc(7.3) Azm(319.6) TVD(3940.80)
VS(-267.68) N/-S(266.26) E/-W(-303.04)

#42 MD(4060.00) Inc(7.3) Azm(323.9) TVD(4036.02)
VS(-277.33) N/-S(275.87) E/-W(-310.62)

#43 MD(4155.00) Inc(6.9) Azm(318.3) TVD(4130.28)
VS(-286.55) N/-S(285.06) E/-W(-318.00)

#44 MD(4250.00) Inc(6.6) Azm(319.4) TVD(4224.62)
VS(-295.02) N/-S(293.49) E/-W(-325.37)

#45 MD(4346.00) Inc(6.2) Azm(315.4) TVD(4320.02)
VS(-302.98) N/-S(301.41) E/-W(-332.63)

#46 MD(4441.00) Inc(5.8) Azm(313.1) TVD(4414.49)
VS(-309.97) N/-S(308.37) E/-W(-339.75)

#47 MD(4537.00) Inc(5.2) Azm(308.9) TVD(4510.05)
VS(-316.06) N/-S(314.43) E/-W(-346.69)

#48 MD(4632.00) Inc(0.6) Azm(226.7) TVD(4604.91)
VS(-318.48) N/-S(316.83) E/-W(-350.41)

#49 MD(4727.00) Inc(4.1) Azm(300.9) TVD(4699.83)
VS(-319.91) N/-S(318.25) E/-W(-353.67)

#50 MD(4823.00) Inc(3.8) Azm(306.3) TVD(4795.60)
VS(-323.59) N/-S(321.91) E/-W(-359.18)

#51 MD(4918.00) Inc(3.1) Azm(297.8) TVD(4890.43)
VS(-326.60) N/-S(324.96) E/-W(-363.97)

#52 MD(5014.00) Inc(0.6) Azm(226.7) TVD(4986.28)
VS(-327.56) N/-S(325.84) E/-W(-366.59)

#53 MD(5109.00) Inc(1.0) Azm(297.0) TVD(5081.36)
VS(-327.69) N/-S(325.95) E/-W(-368.36)

#54 MD(5205.00) Inc(1.2) Azm(326.7) TVD(5177.33)
VS(-328.98) N/-S(327.24) E/-W(-370.36)

#55 MD(5300.00) Inc(0.6) Azm(223.9) TVD(5272.32)
VS(-329.48) N/-S(327.73) E/-W(-371.24)

#56 MD(5394.00) Inc(10.3) Azm(192.8) TVD(5365.79)
VS(-320.91) N/-S(319.16) E/-W(-373.43)

#57 MD(5489.00) Inc(16.3) Azm(192.3) TVD(5458.18)
VS(-299.55) N/-S(297.77) E/-W(-378.17)

#58 MD(5536.00) Inc(21.5) Azm(192.2) TVD(5502.63)
VS(-284.70) N/-S(282.90) E/-W(-381.41)

#59 MD(5585.00) Inc(25.0) Azm(190.0) TVD(5547.65)
VS(-265.74) N/-S(263.93) E/-W(-385.11)

#60 MD(5632.00) Inc(29.4) Azm(183.8) TVD(5589.45)
VS(-244.44) N/-S(242.62) E/-W(-387.62)

#61 MD(5680.00) Inc(32.9) Azm(177.6) TVD(5630.54)
VS(-219.67) N/-S(217.84) E/-W(-387.85)

#62 MD(5727.00) Inc(37.0) Azm(179.6) TVD(5669.06)
VS(-192.76) N/-S(190.94) E/-W(-387.20)

#63 MD(5775.00) Inc(40.2) Azm(179.9) TVD(5706.56)
VS(-162.80) N/-S(160.98) E/-W(-387.07)

#64 MD(5822.00) Inc(43.9) Azm(178.2) TVD(5741.43)
VS(-131.31) N/-S(129.49) E/-W(-386.55)

#65 MD(5871.00) Inc(47.0) Azm(175.7) TVD(5775.80)
VS(-96.44) N/-S(94.63) E/-W(-384.67)

#66 MD(5918.00) Inc(50.6) Azm(174.6) TVD(5806.77)
VS(-61.21) N/-S(59.41) E/-W(-381.67)

#67 MD(5966.00) Inc(52.7) Azm(174.2) TVD(5836.56)
VS(-23.74) N/-S(21.95) E/-W(-378.02)

#68 MD(6013.00) Inc(56.0) Azm(175.3) TVD(5863.95)
VS(14.30) N/-S(-16.07) E/-W(-374.52)

#69 MD(6062.00) Inc(59.3) Azm(177.8) TVD(5890.17)
VS(55.62) N/-S(-57.38) E/-W(-372.03)

#70 MD(6109.00) Inc(63.7) Azm(179.6) TVD(5912.60)
VS(96.90) N/-S(-98.65) E/-W(-371.12)

#71 MD(6157.00) Inc(69.7) Azm(179.3) TVD(5931.58)
VS(140.97) N/-S(-142.72) E/-W(-370.71)

#72 MD(6204.00) Inc(76.2) Azm(180.4) TVD(5945.34)
VS(185.88) N/-S(-187.63) E/-W(-370.58)

#73 MD(6252.00) Inc(80.7) Azm(180.4) TVD(5954.92)
VS(232.90) N/-S(-234.65) E/-W(-370.89)

#75 MD(6443.00) Inc(88.5) Azm(179.2) TVD(5968.08)
VS(423.27) N/-S(-425.02) E/-W(-371.46)