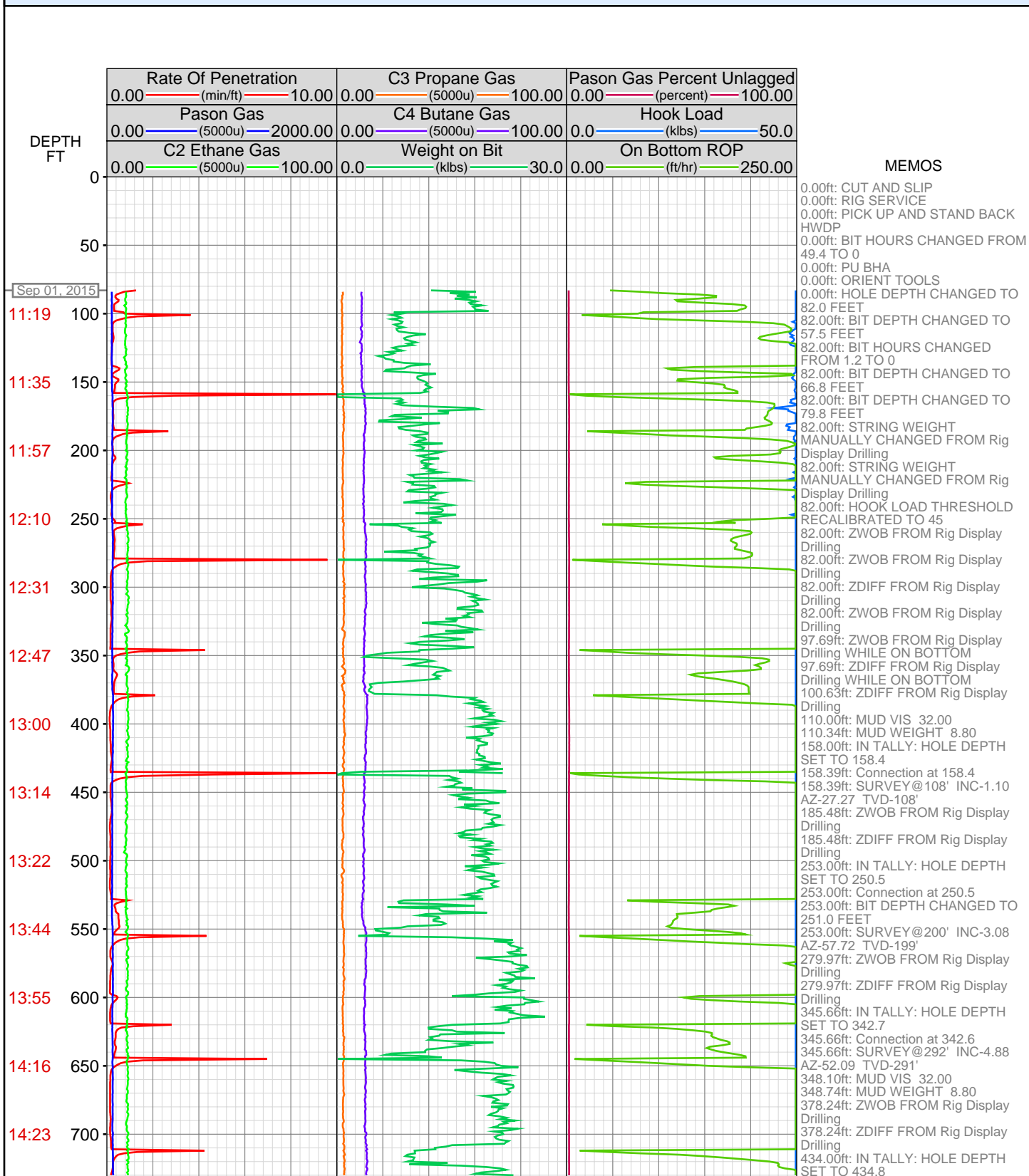
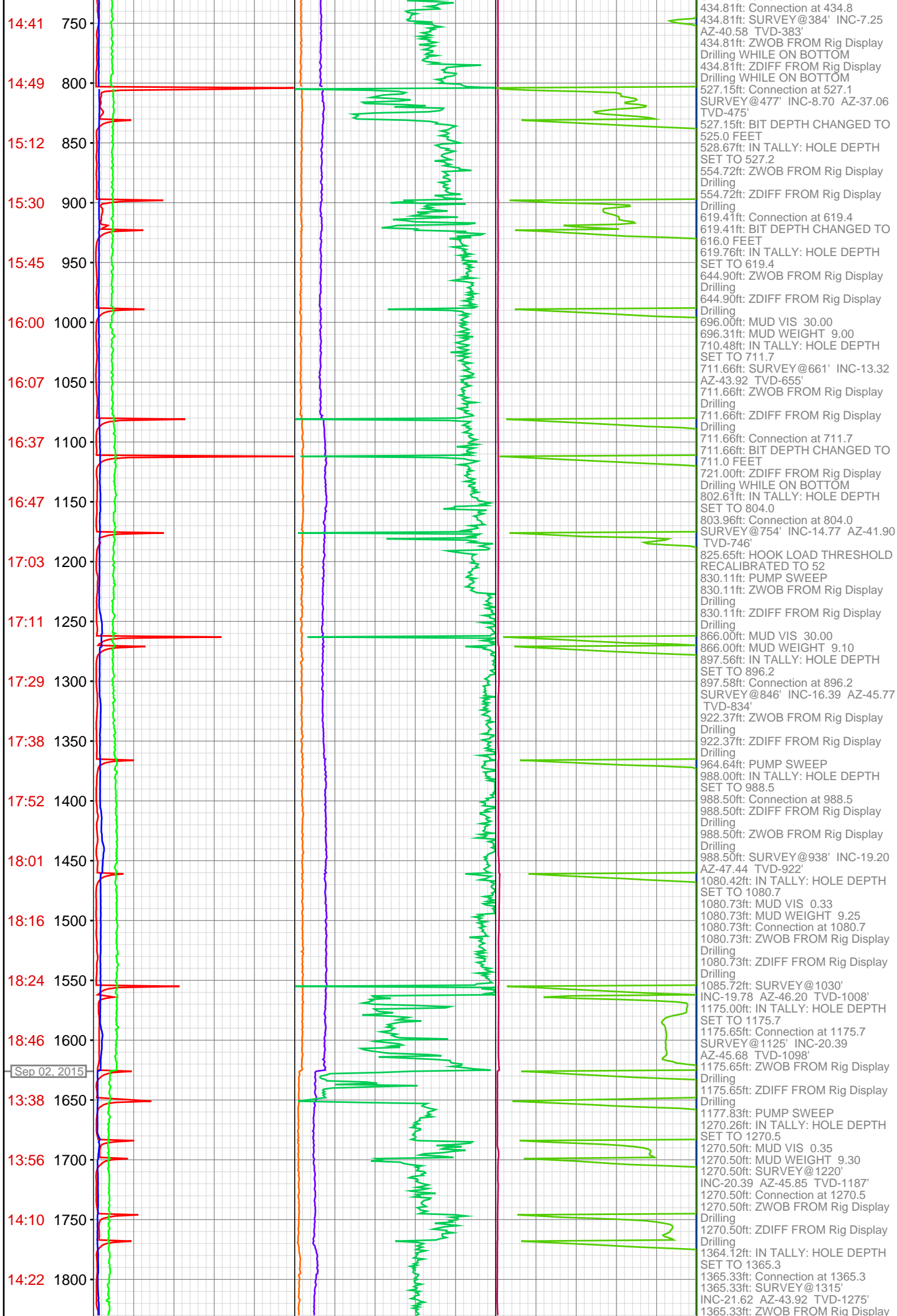
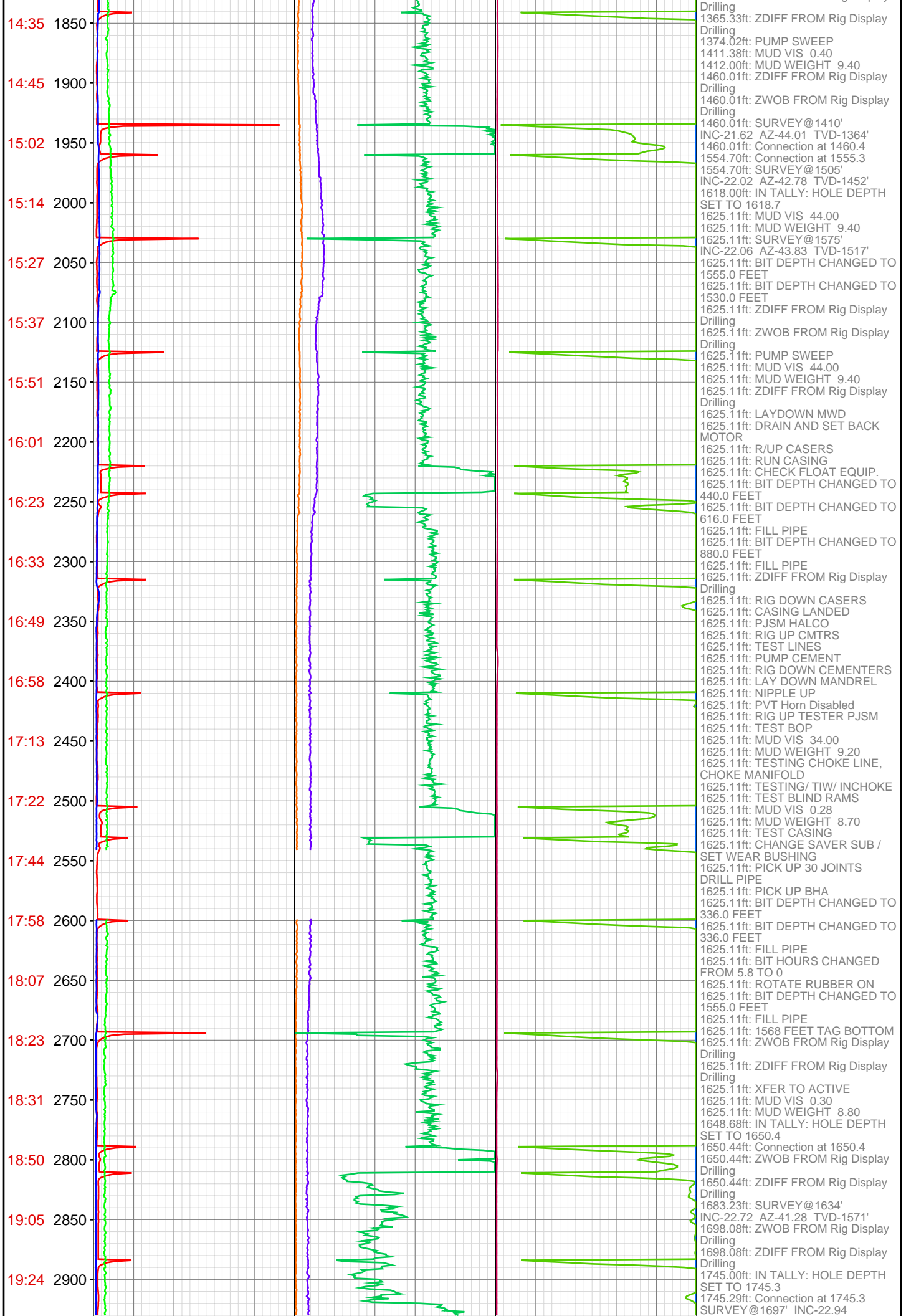


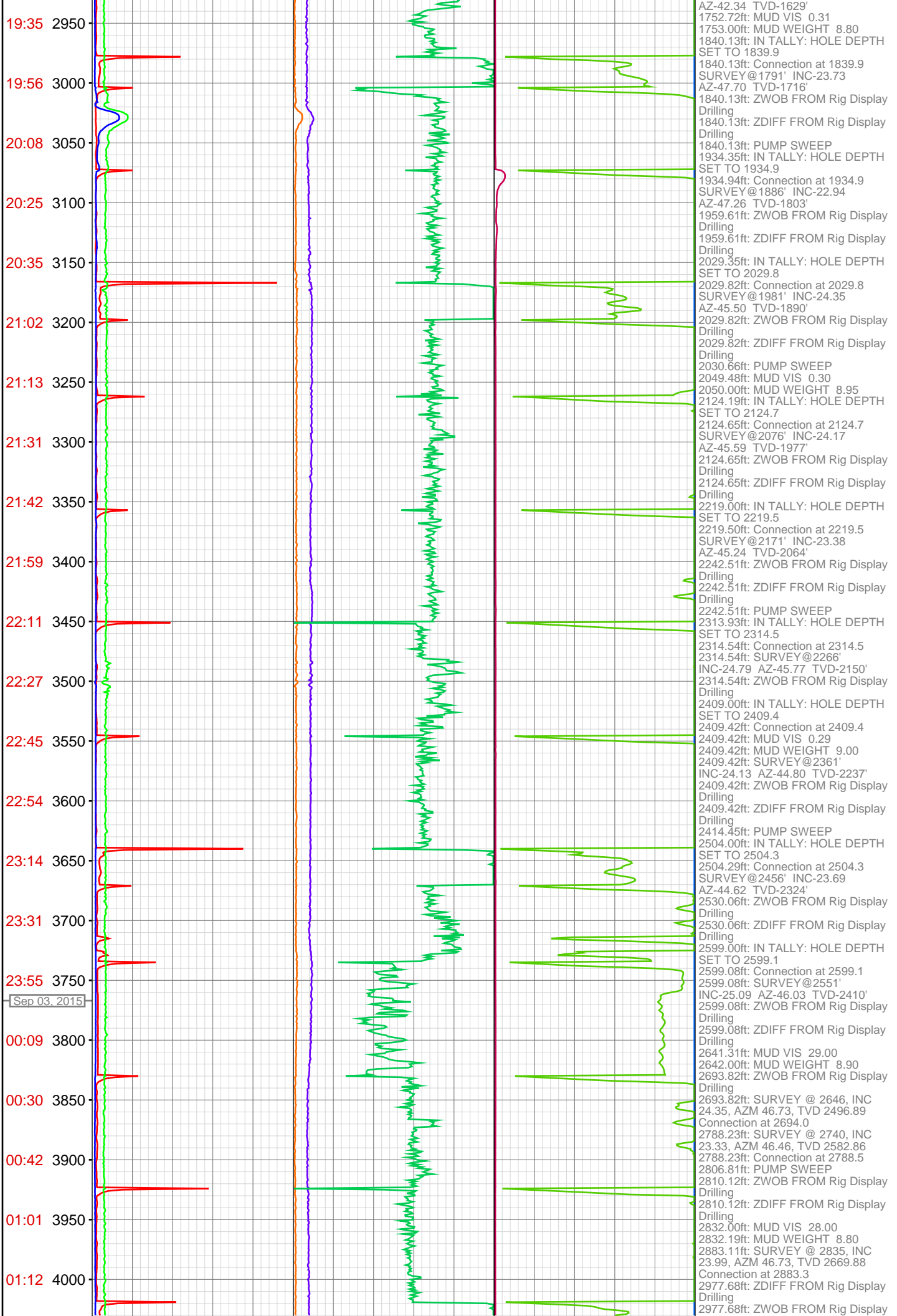
OPERATOR: Piceance Energy, LLC
WELL: PICEANCE FEDERAL 28-01M
FIELD:
LOCATION: SEC 28 TWP 9S RNG 93W
COUNTRY: USA
RIG: Pat-UTI 306

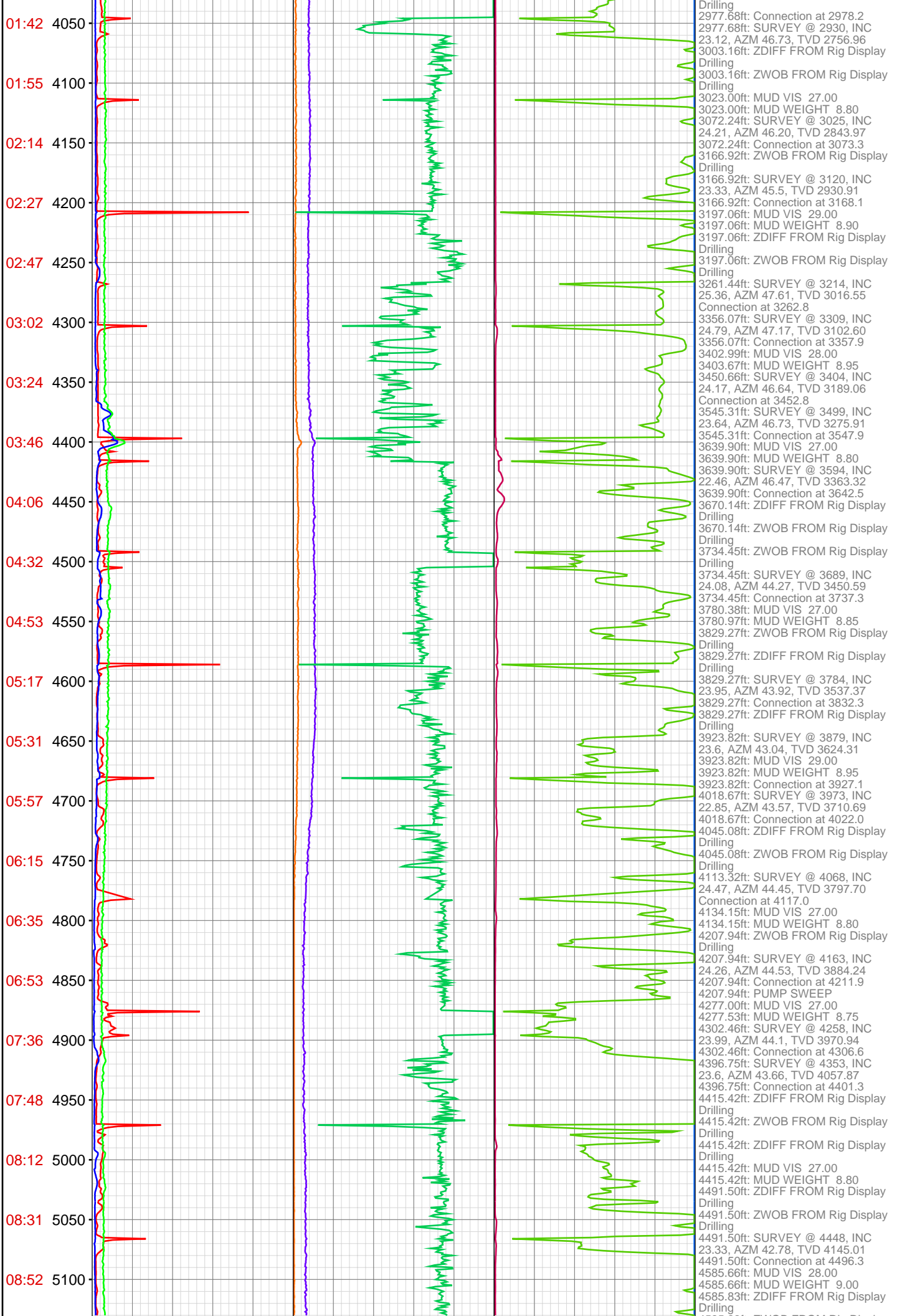
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-077-10244-00
SPUD DATE: Sep 01, 2015 11:00
RELEASE DATE:

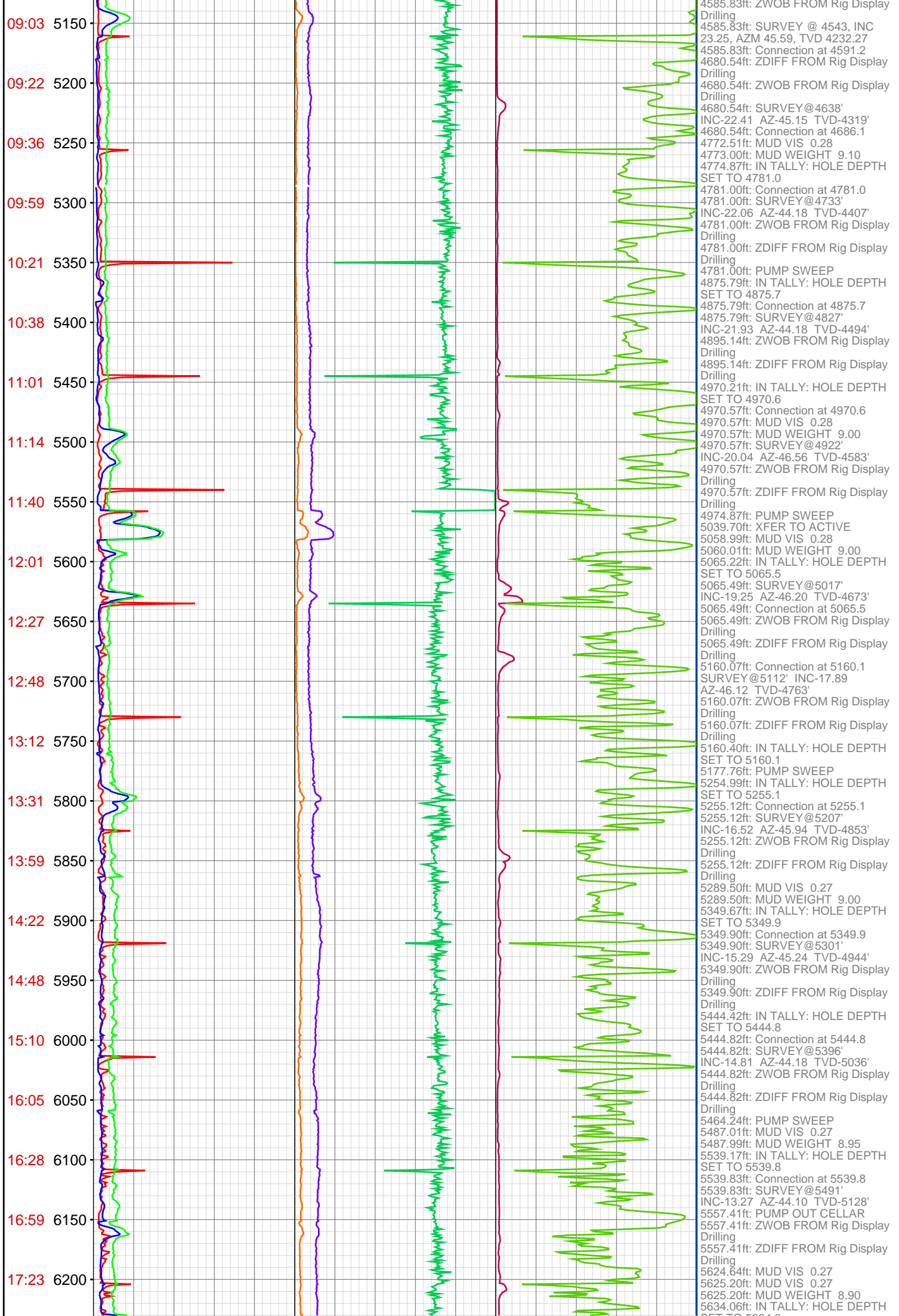


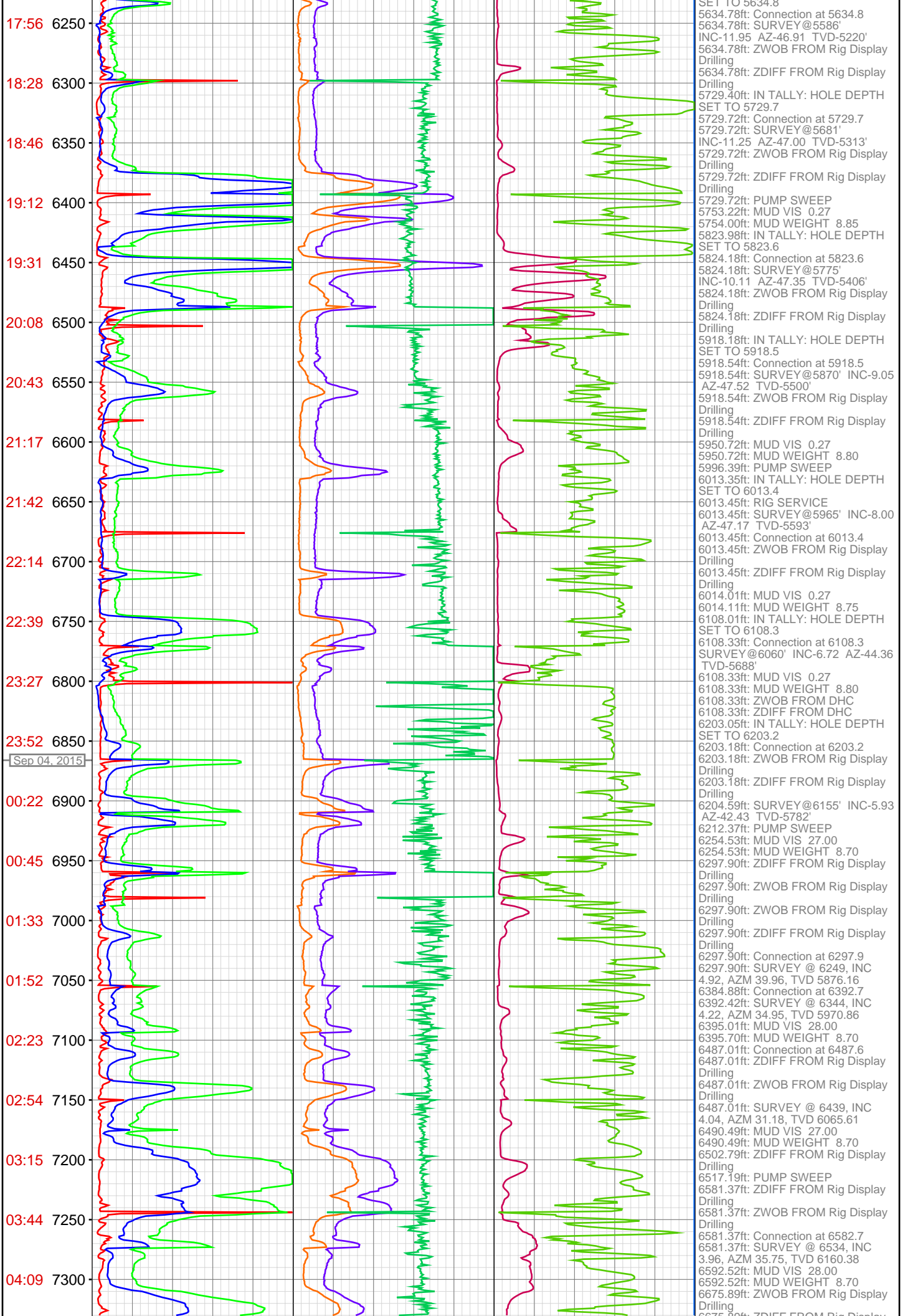


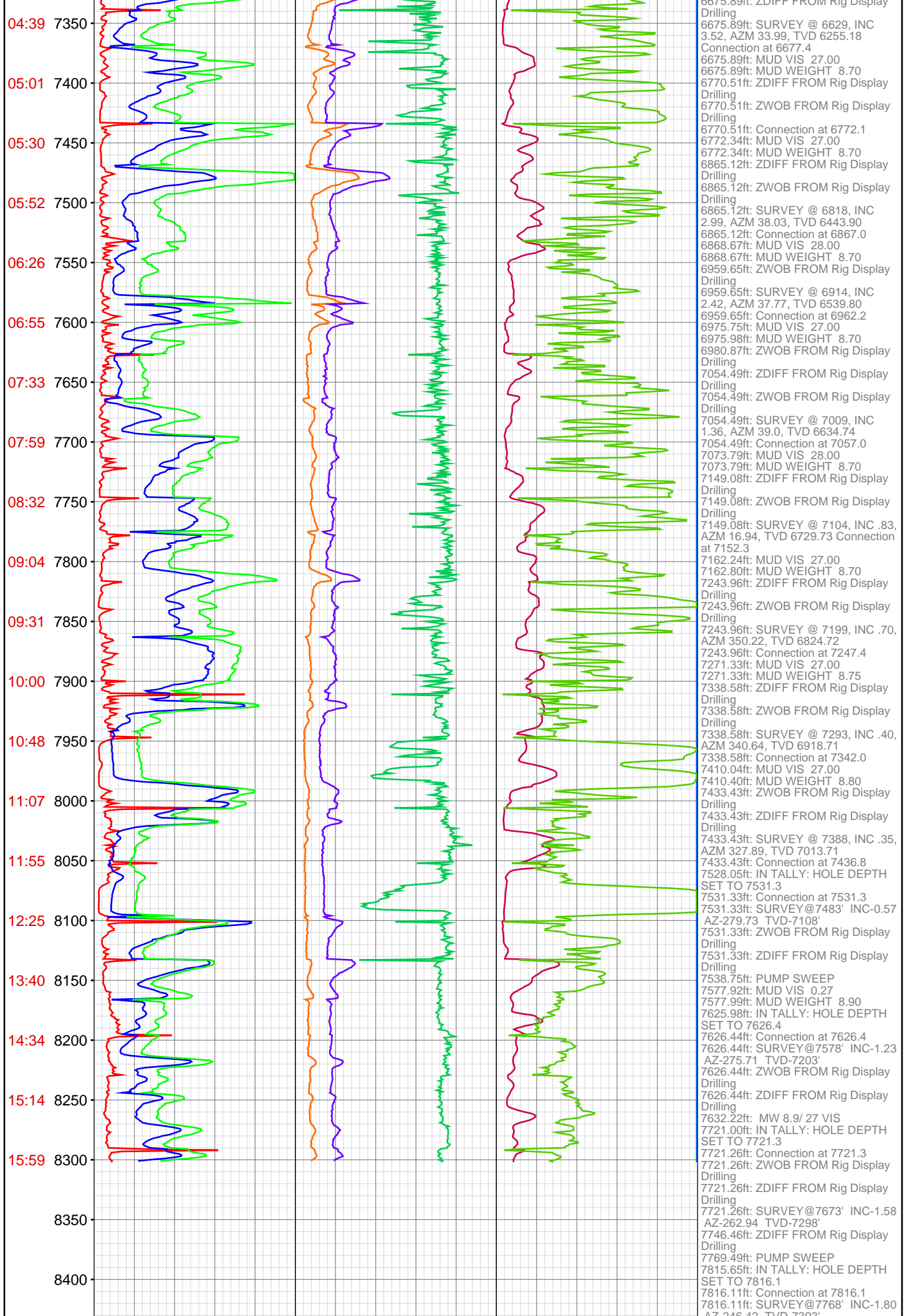












	AZ-240.42' TVD-7393'
	7816.11ft: ZWOB FROM Rig Display
	Drilling
	7816.11ft: ZDIFF FROM Rig Display
	Drilling
	7822.57ft: MUD VIS 0.27
	7822.80ft: MUD WEIGHT 8.90
	7910.01ft: IN TALLY: HOLE DEPTH SET TO 7910.9
	7910.93ft: Connection at 7910.9
	7910.93ft: SURVEY@7862' INC-1.63
	AZ-255.12 TVD-7487'
	7910.93ft: ZWOB FROM Rig Display
	Drilling
	7910.93ft: ZDIFF FROM Rig Display
	Drilling
	7946.49ft: ZWOB FROM Rig Display
	Drilling
	7946.49ft: ZDIFF FROM Rig Display
	Drilling
	8001.48ft: MUD VIS 40.00
	8001.64ft: MUD WEIGHT 9.50
	8005.12ft: IN TALLY: HOLE DEPTH SET TO 8005.9
	8005.87ft: SURVEY@7957' INC-1.41
	AZ-264.96 TVD-7582'
	8005.87ft: Connection at 8005.9
	8005.87ft: ZWOB FROM Rig Display
	Drilling
	8005.87ft: ZDIFF FROM Rig Display
	Drilling
	8051.54ft: ZWOB FROM Rig Display
	Drilling
	8051.54ft: ZDIFF FROM Rig Display
	Drilling
	8100.46ft: IN TALLY: HOLE DEPTH SET TO 8100.8
	8100.82ft: MUD VIS 54.00
	8100.82ft: MUD WEIGHT 9.50
	8100.82ft: Connection at 8100.8
	8100.82ft: SURVEY@8052' INC-1.71
	AZ-261.01 TVD-7677'
	8100.82ft: ZWOB FROM Rig Display
	Drilling
	8100.82ft: ZDIFF FROM Rig Display
	Drilling
	8132.35ft: ZDIFF FROM Rig Display
	Drilling
	8144.36ft: PUMP OUT CELLAR
	8151.54ft: MUD VIS 55.00
	8151.54ft: MUD WEIGHT 9.50
	8195.67ft: IN TALLY: HOLE DEPTH SET TO 8195.5
	8195.70ft: Connection at 8195.5
	8195.70ft: SURVEY@8147' INC-1.58
	AZ-253.63 TVD-7772'
	8195.70ft: ZWOB FROM Rig Display
	Drilling
	8195.70ft: ZDIFF FROM Rig Display
	Drilling
	8228.02ft: ZWOB FROM Rig Display
	Drilling
	8228.02ft: ZDIFF FROM Rig Display
	Drilling
	8235.01ft: MUD VIS 55.00
	8235.24ft: MUD WEIGHT 9.50
	8266.04ft: ATTEMPTED TO ZERO TOTAL STROKES ATTEMPTED TO SET HOLE DEPTH TO 0.00 FEET
	8290.03ft: IN TALLY: HOLE DEPTH SET TO 8290.4
	8290.42ft: Connection at 8290.4
	8290.42ft: ZWOB FROM Rig Display
	Drilling
	8290.42ft: ZDIFF FROM Rig Display
	Drilling
	8298.72ft: SURVEY@8242' INC-1.49
	AZ-252.13 TVD-7867'
	8302.00ft: PUMP SWEEP
	8302.00ft: CIRCULATE
	8302.00ft: PVT: Total Mud alarm was enabled