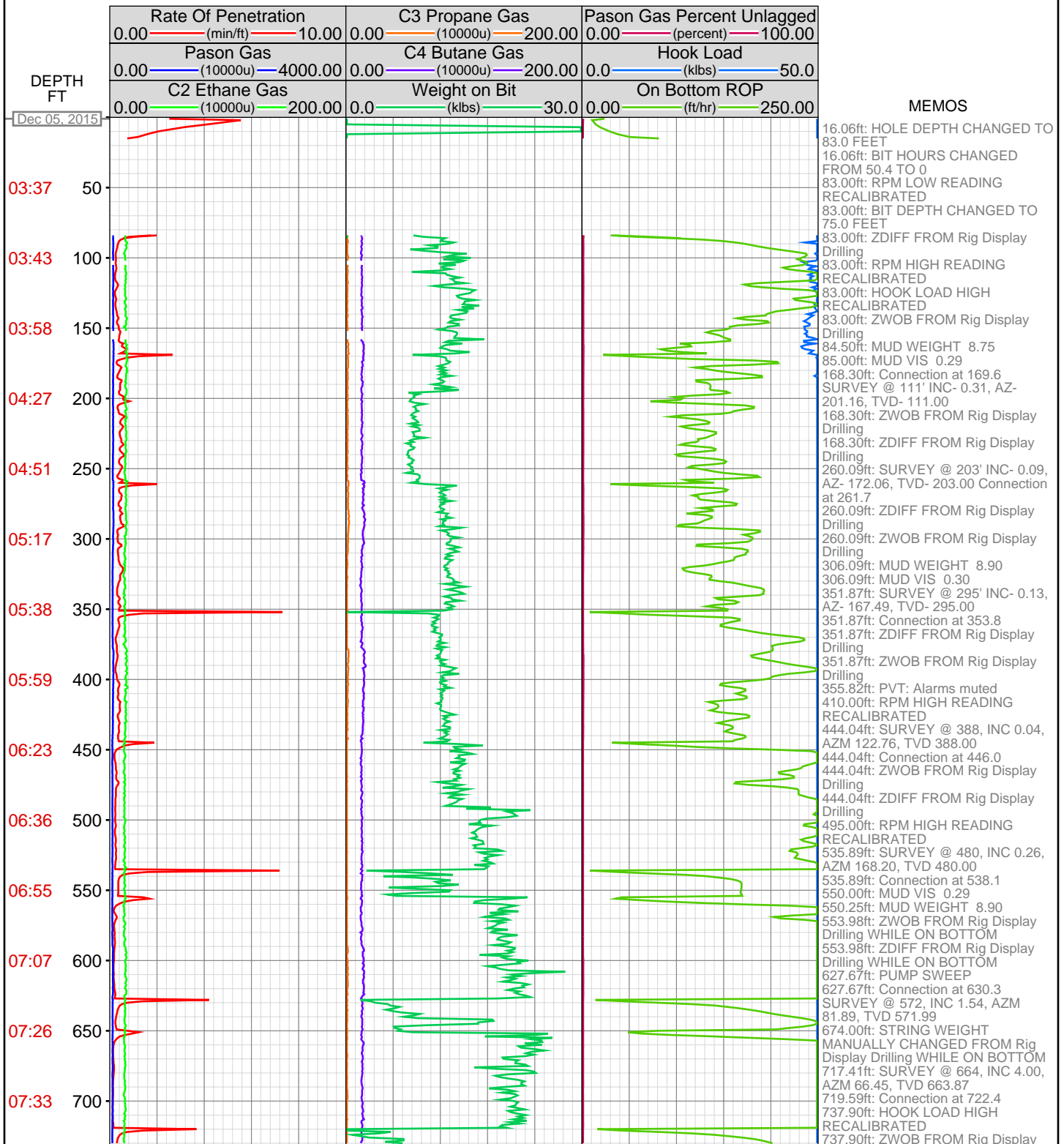
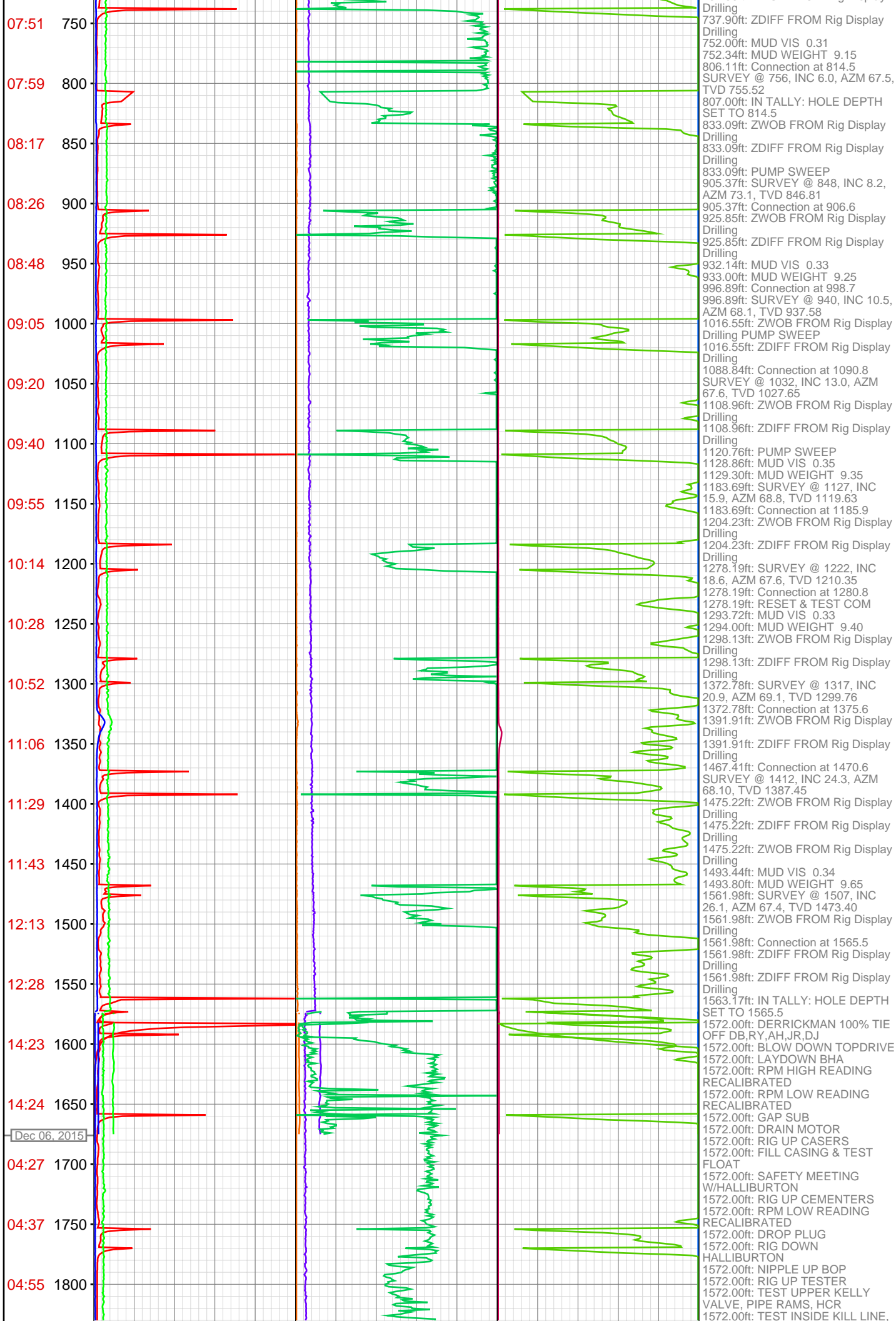
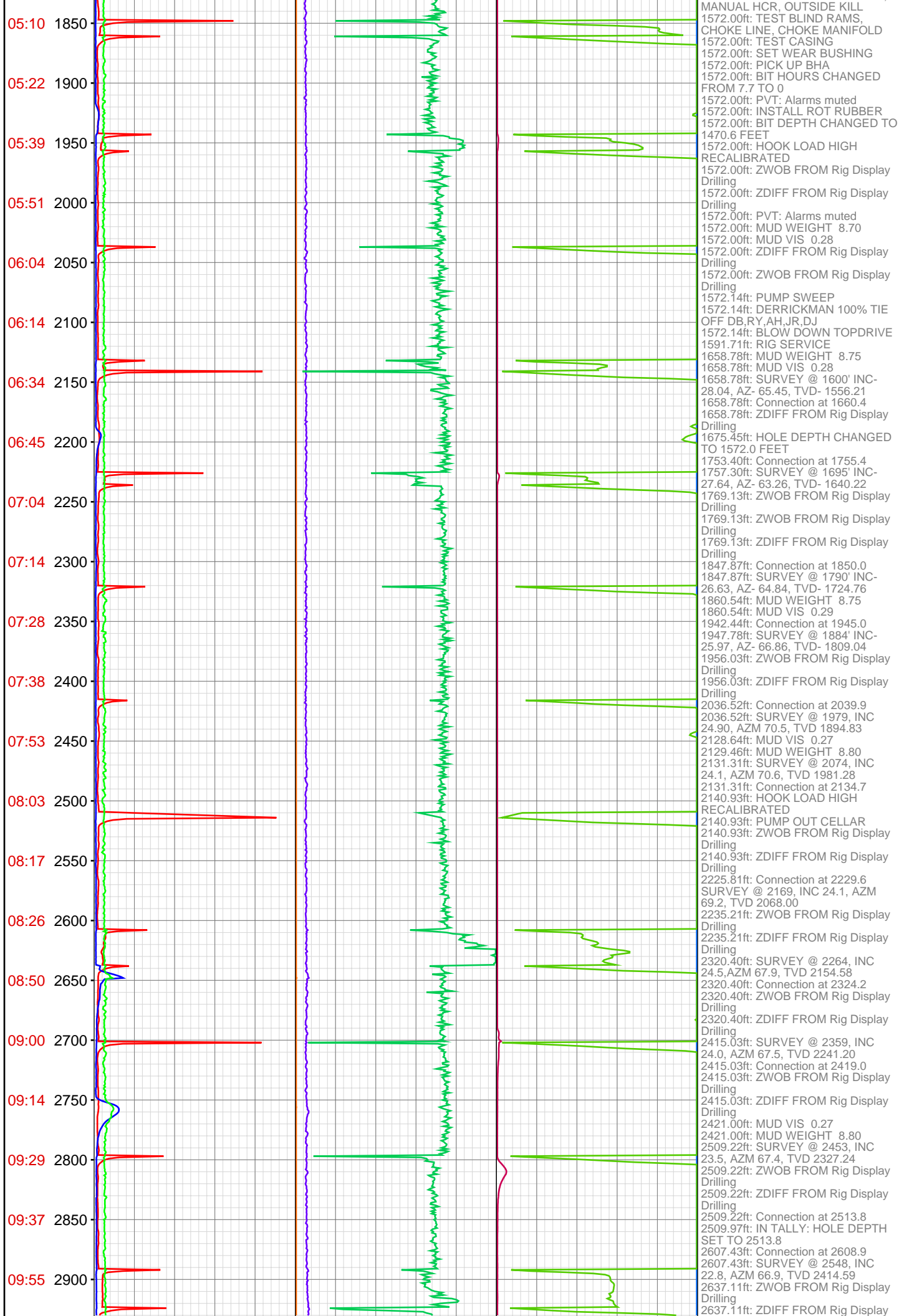


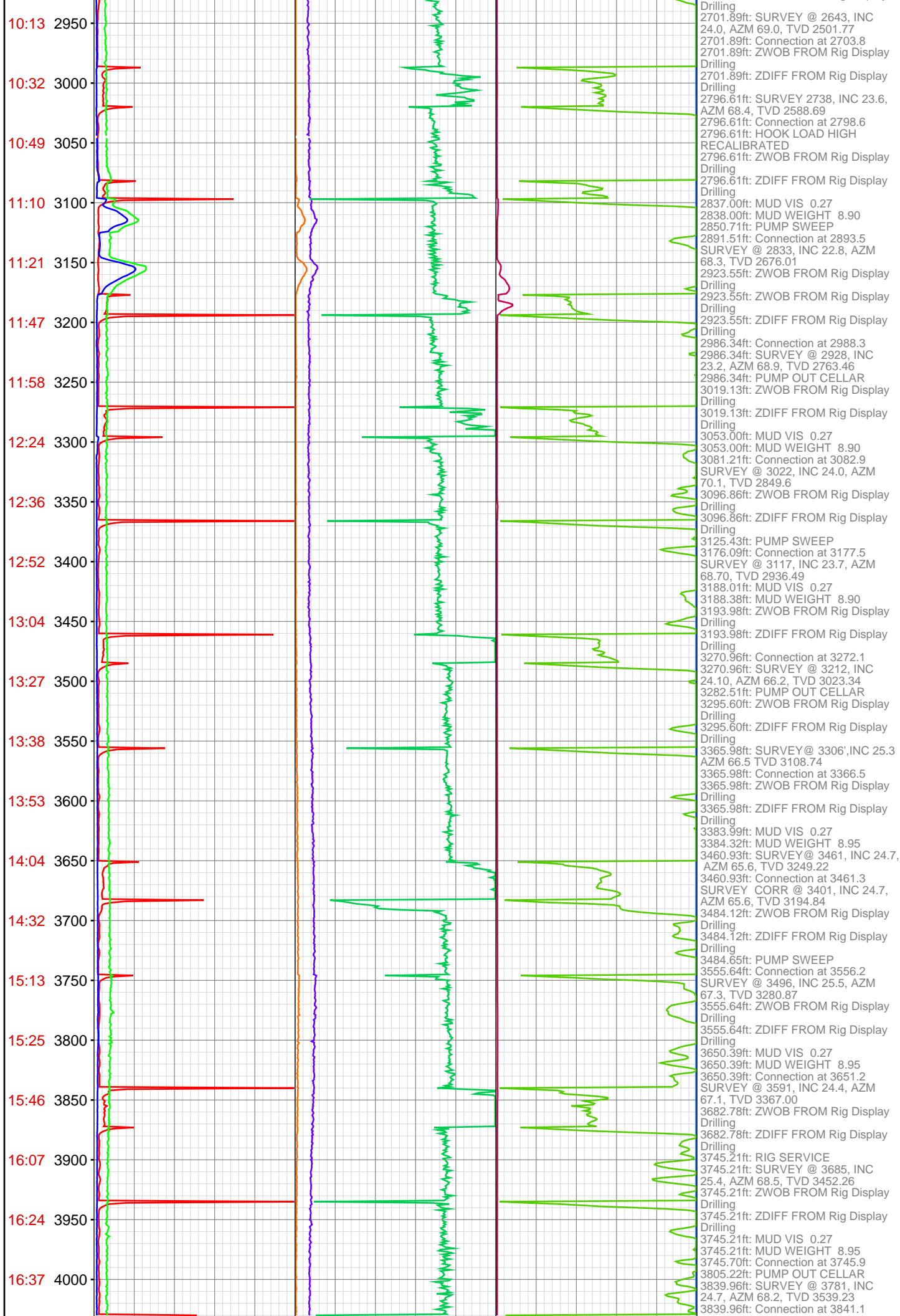
OPERATOR: Piceance Energy, LLC
WELL: PICEANCE FEDERAL 28-10E
FIELD:
LOCATION: SEC 28 TWP 9S RNG 93W
COUNTRY: USA
RIG: Pat-UTI 306

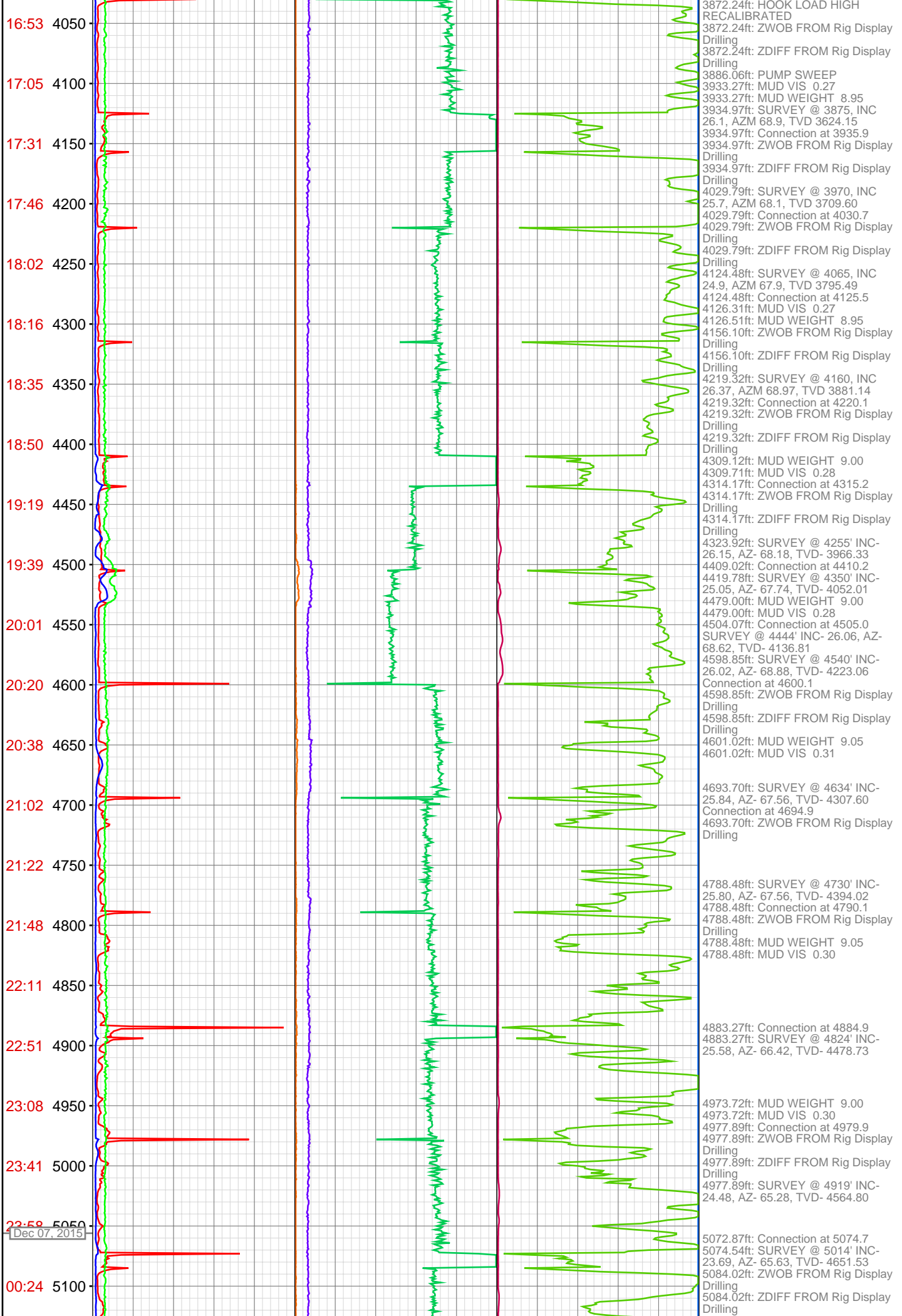
CONTRACTOR: Patterson-UTI Drilling Company
UNIQUE WELL ID: 05-077010260-00
SPUD DATE: Dec 05, 2015 03:30
RELEASE DATE:

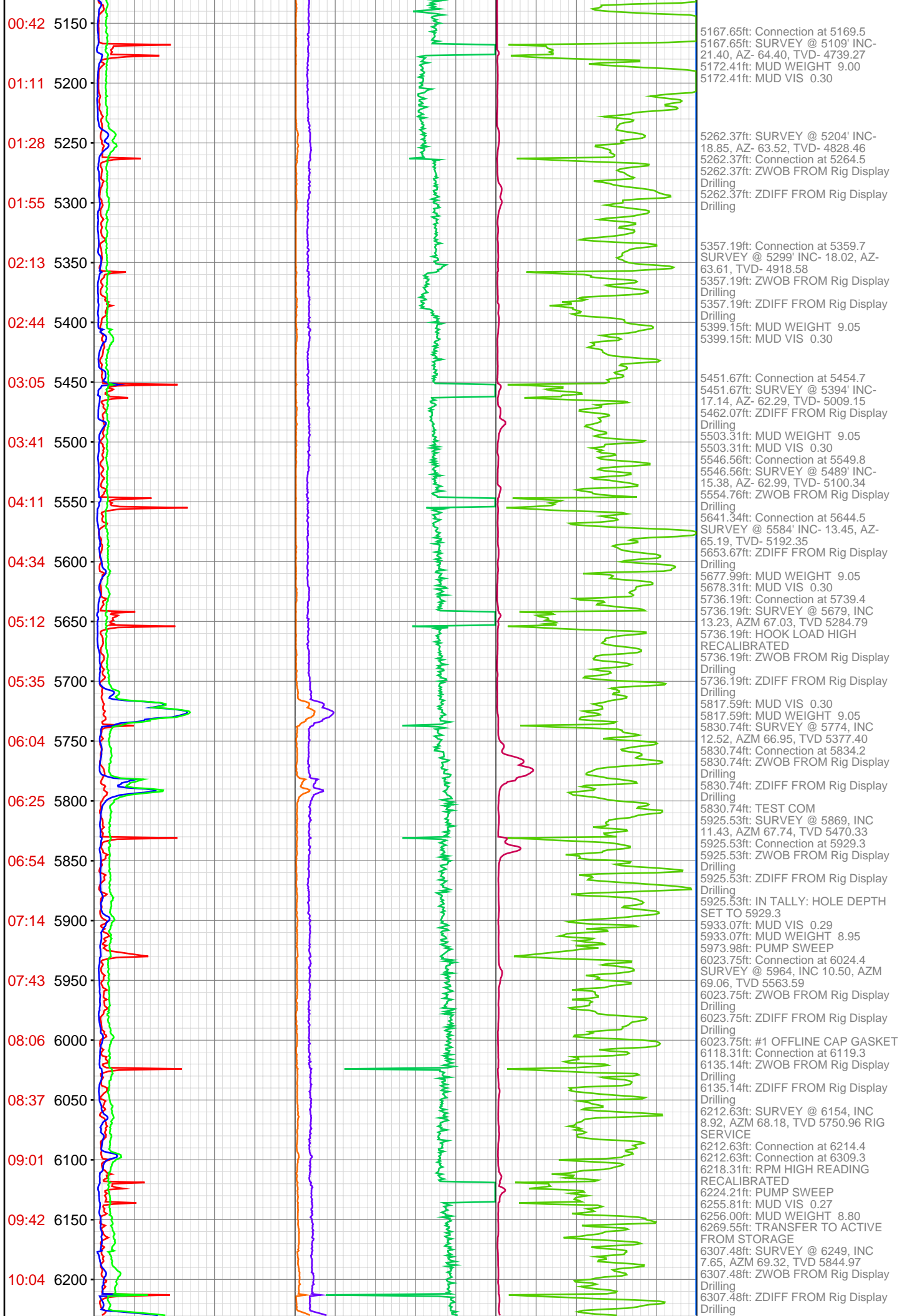


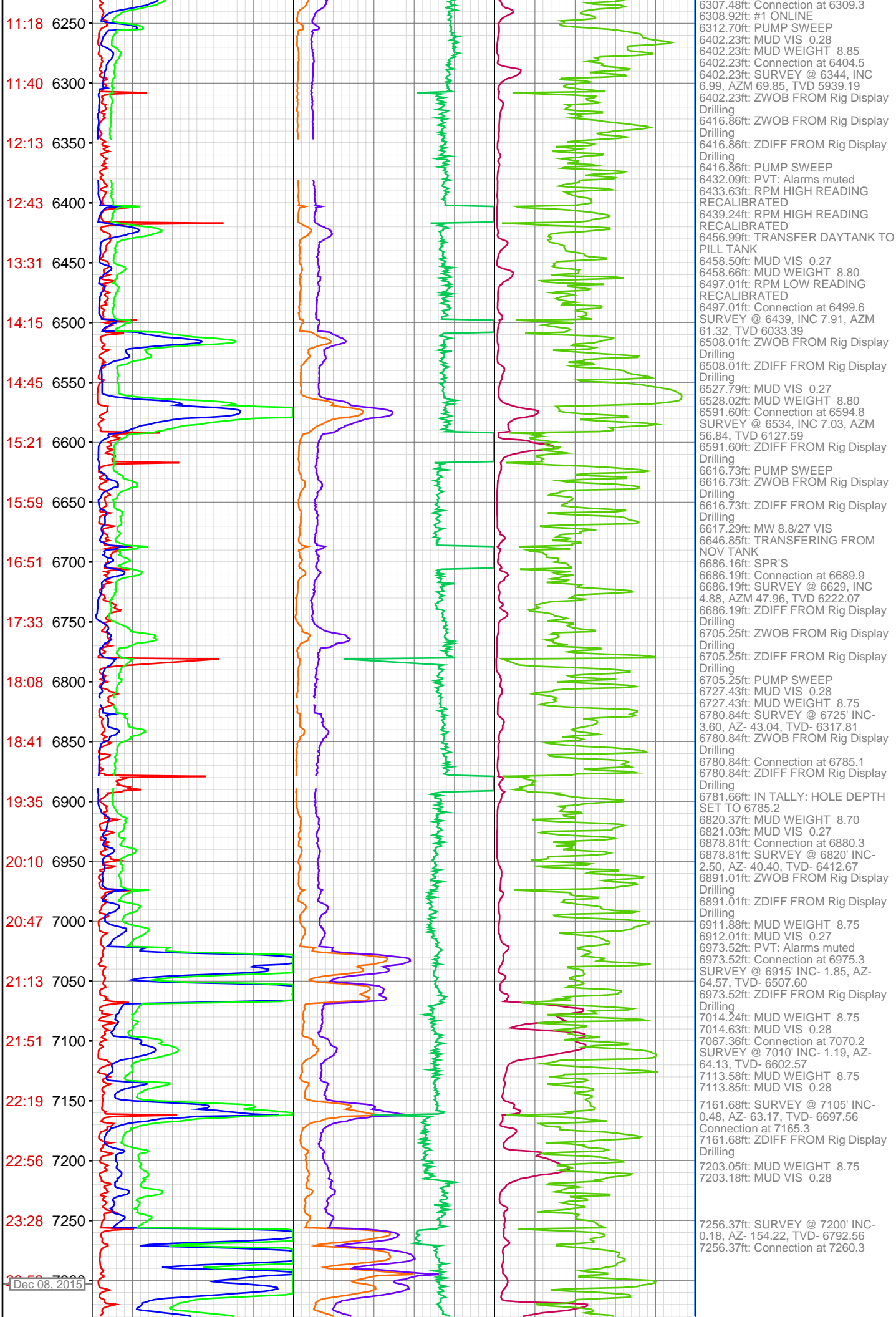


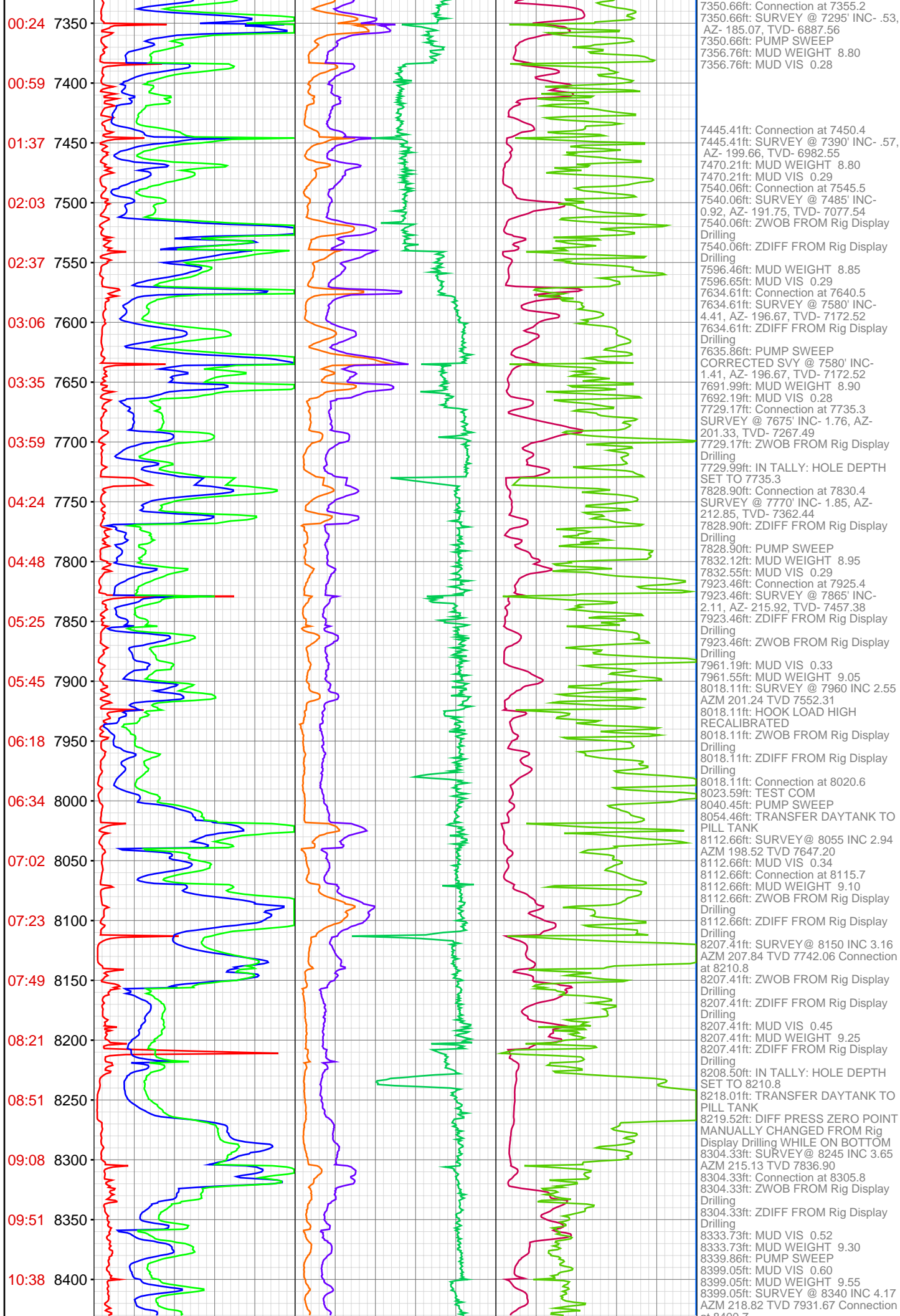












11:14 8450

8500

8550

8600



at 8400.7
8399.05ft: ZWOB FROM Rig Display
Drilling
8399.05ft: ZDIFF FROM Rig Display
Drilling
8471.36ft: T.D. 8474'
8474.02ft: MUD VIS 0.60
8474.02ft: MUD WEIGHT 9.60
8474.02ft: DERRICKMAN 100% TIE
OFF DB,RY,AH,JR,DJ PUMP PILL
8474.02ft: BLOW DOWN TOPDRIVE
8474.08ft: PUMP SWEEP
8474.08ft: SURVEY @ 8414 INC 4.35
AZM 220.67 TVD 8005.47
8474.08ft: MUD VIS 0.60
8474.08ft: MUD WEIGHT 9.60
8474.08ft: PUMP PILL
8474.08ft: BLOW DOWN TOPDRIVE
8474.08ft: FILL PIPE
8598.00ft: ATTEMPTED TO ZERO
TOTAL STROKES
8598.00ft: ATTEMPTED TO SET
HOLE DEPTH TO 0.00 FEET