



Precision Directional Services, Inc.

27610 Commerce Oaks Drive
Oak Ridge North, TX 77385

Bringelson Ranch 10-20-9-58

Scale 2":100' - MD

3/20/2014 11:28 PM

Oper. Company: Carrizo Oil & Gas, Inc.

Well: Bringelson Ranch 10-20-9-58

Field: Niobrara CONZ'83

Rig: Xtreme 19

Well ID: 05-123-38613-00

Job Number: DL2138

Notes:

State: Colorado

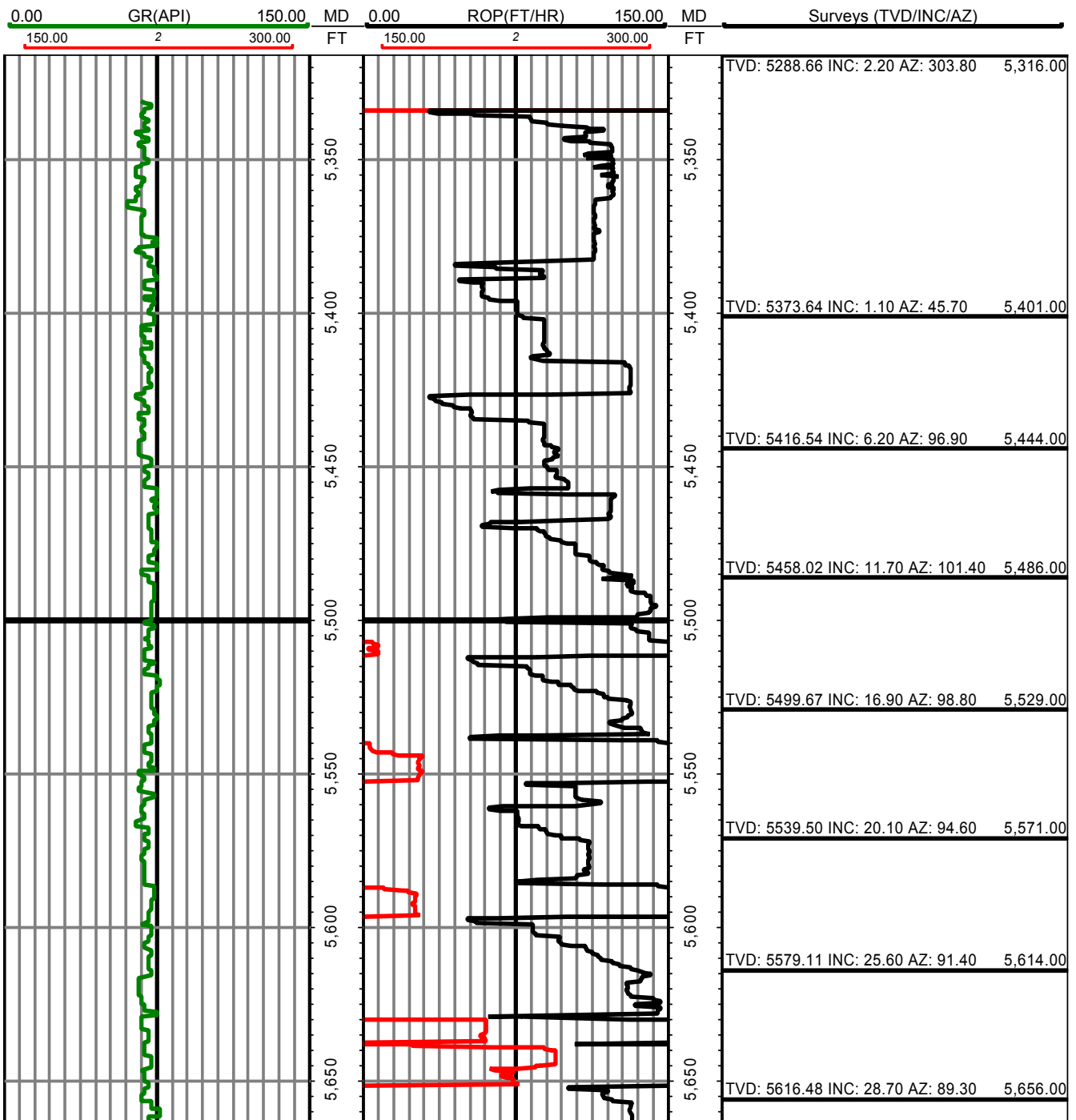
County: Weld

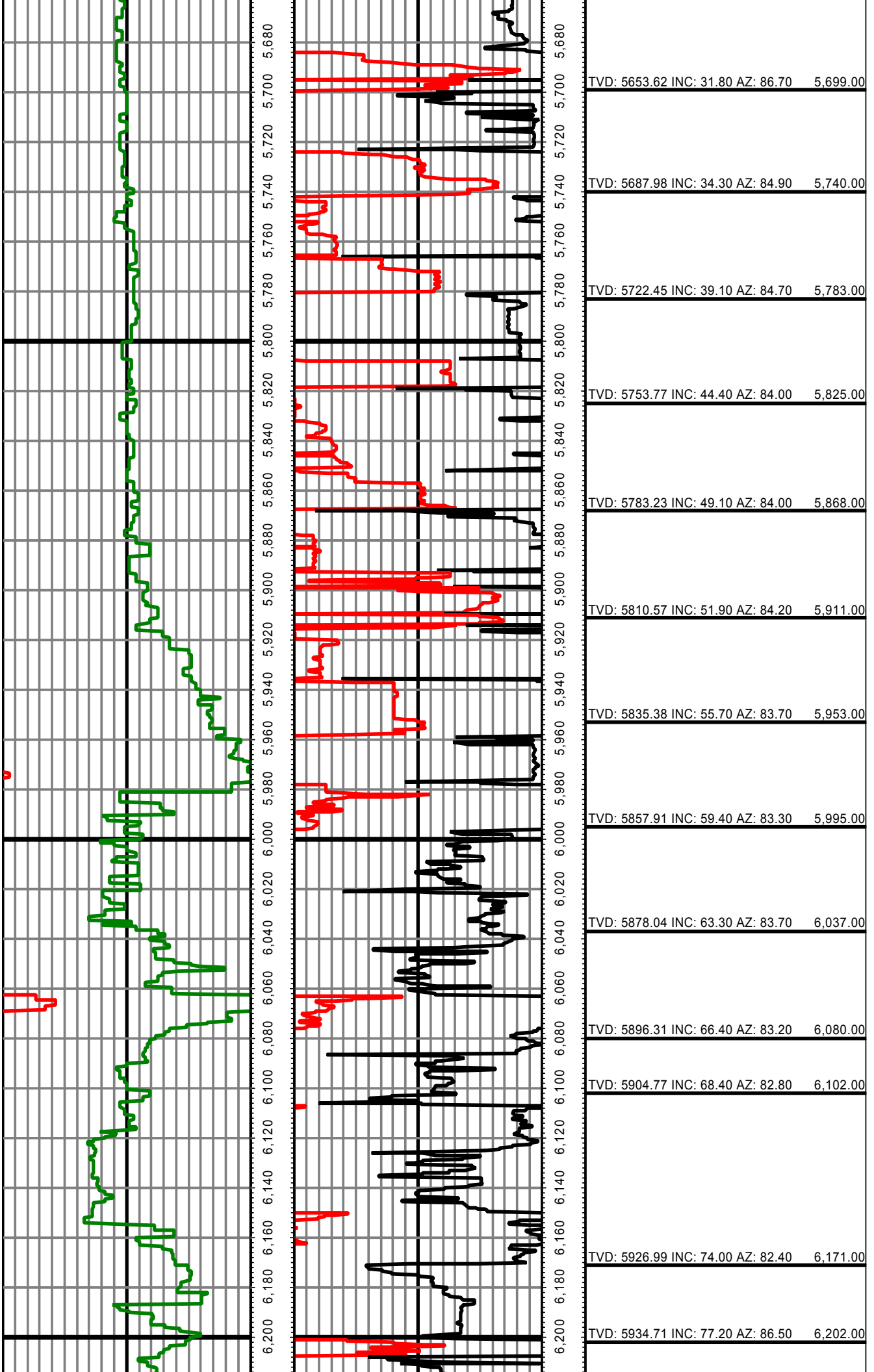
Country: USA

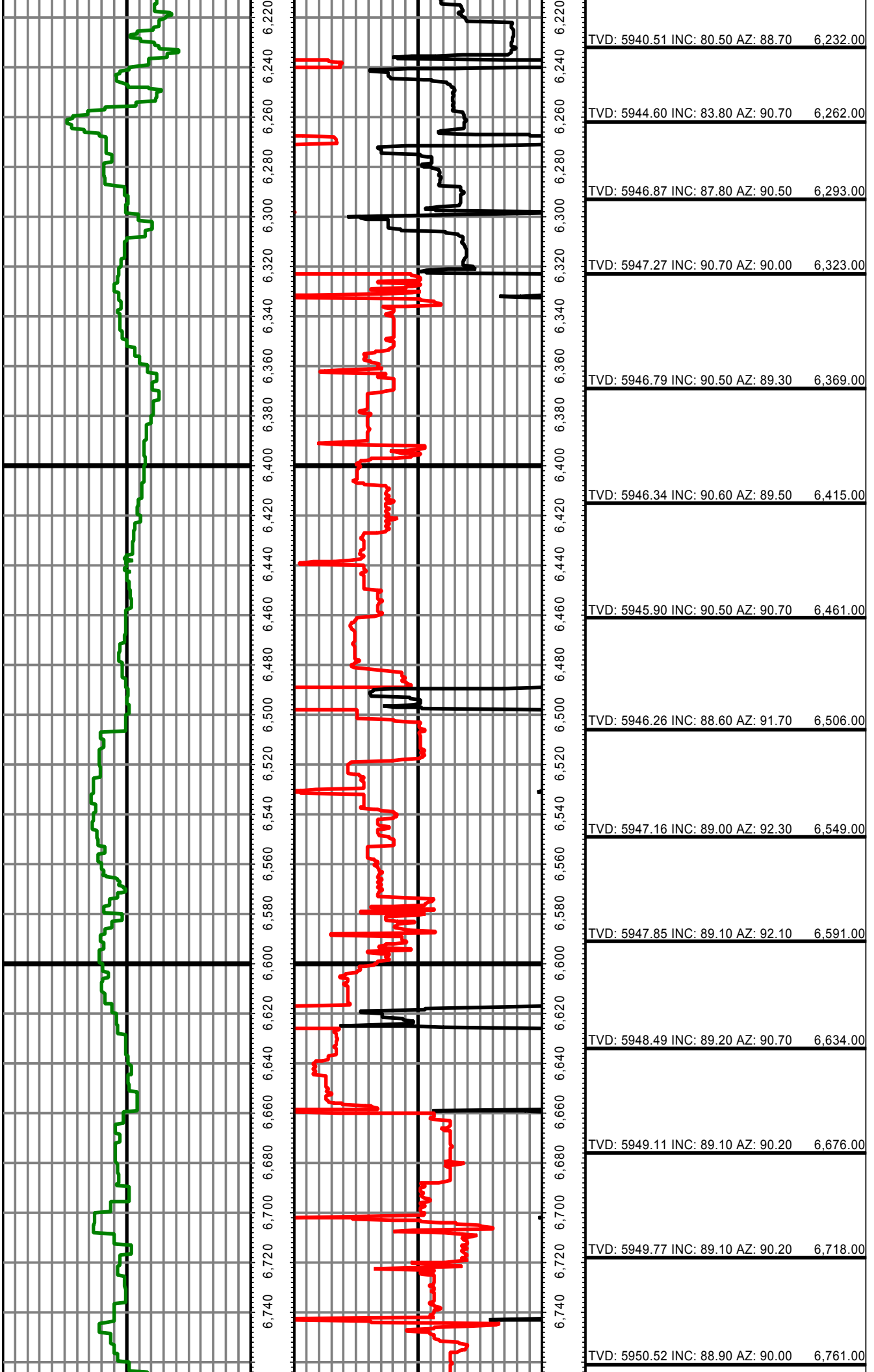
Start Date: 03/17/2014 01:30:00

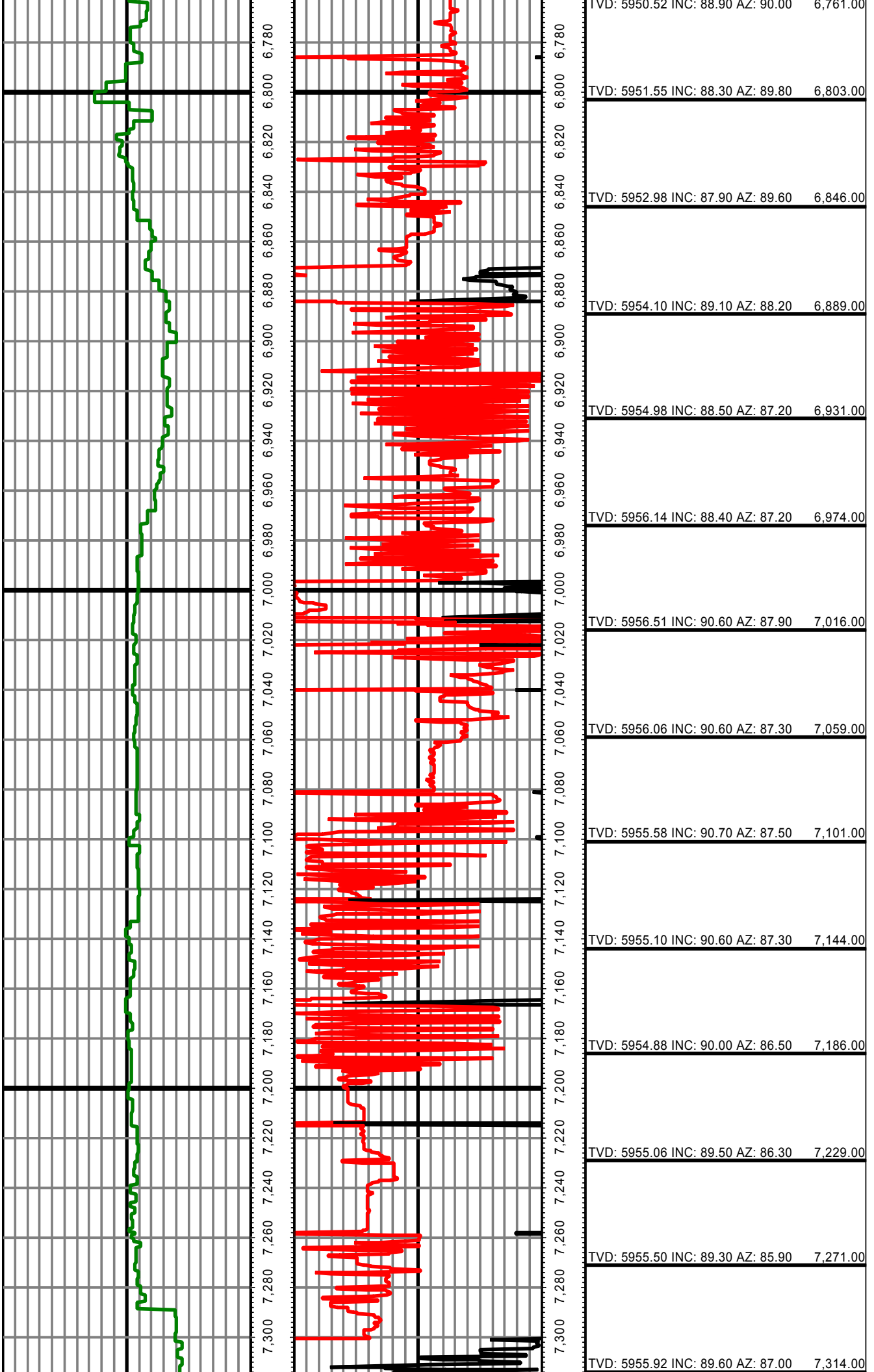
End Date:

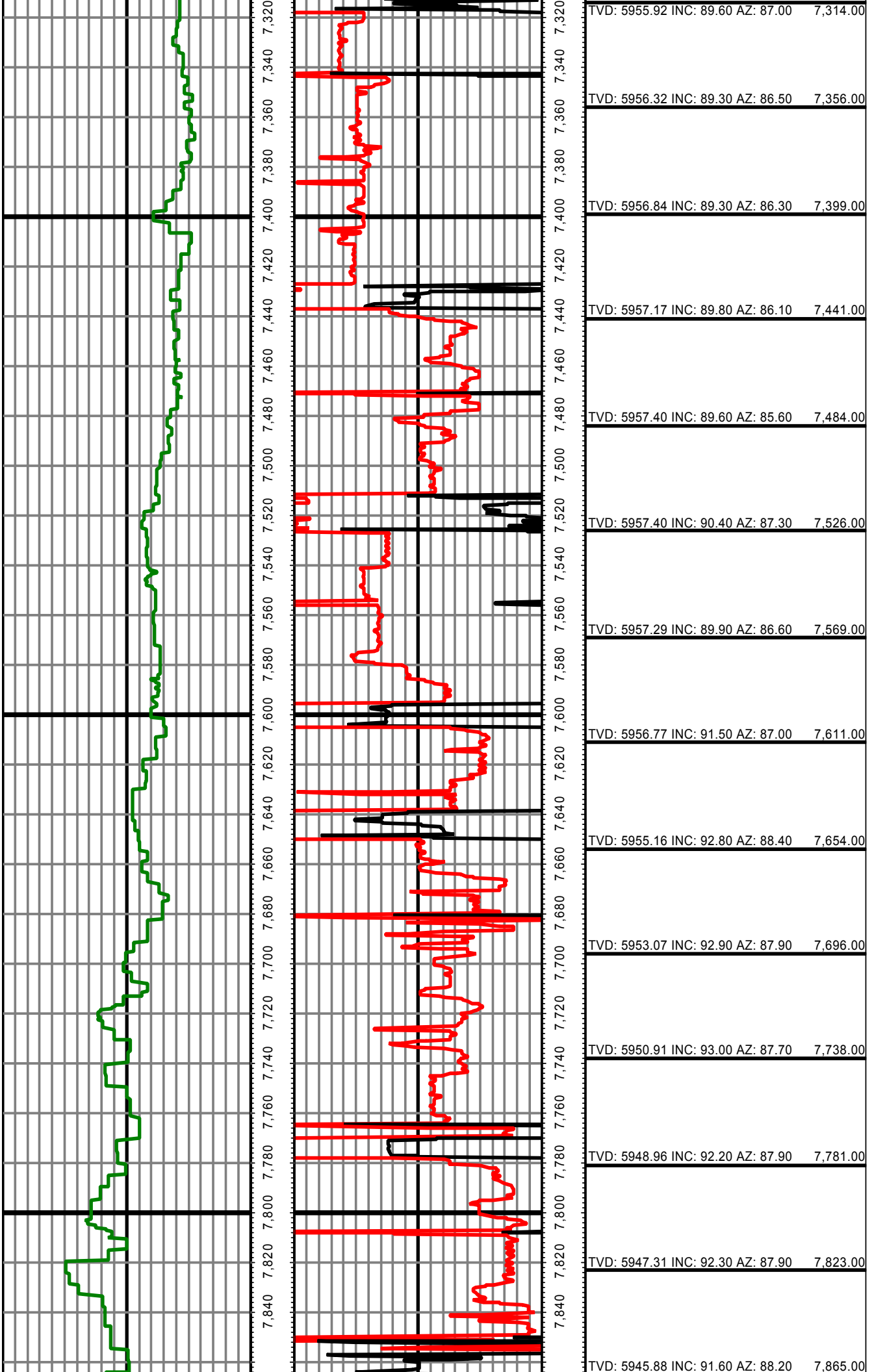
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

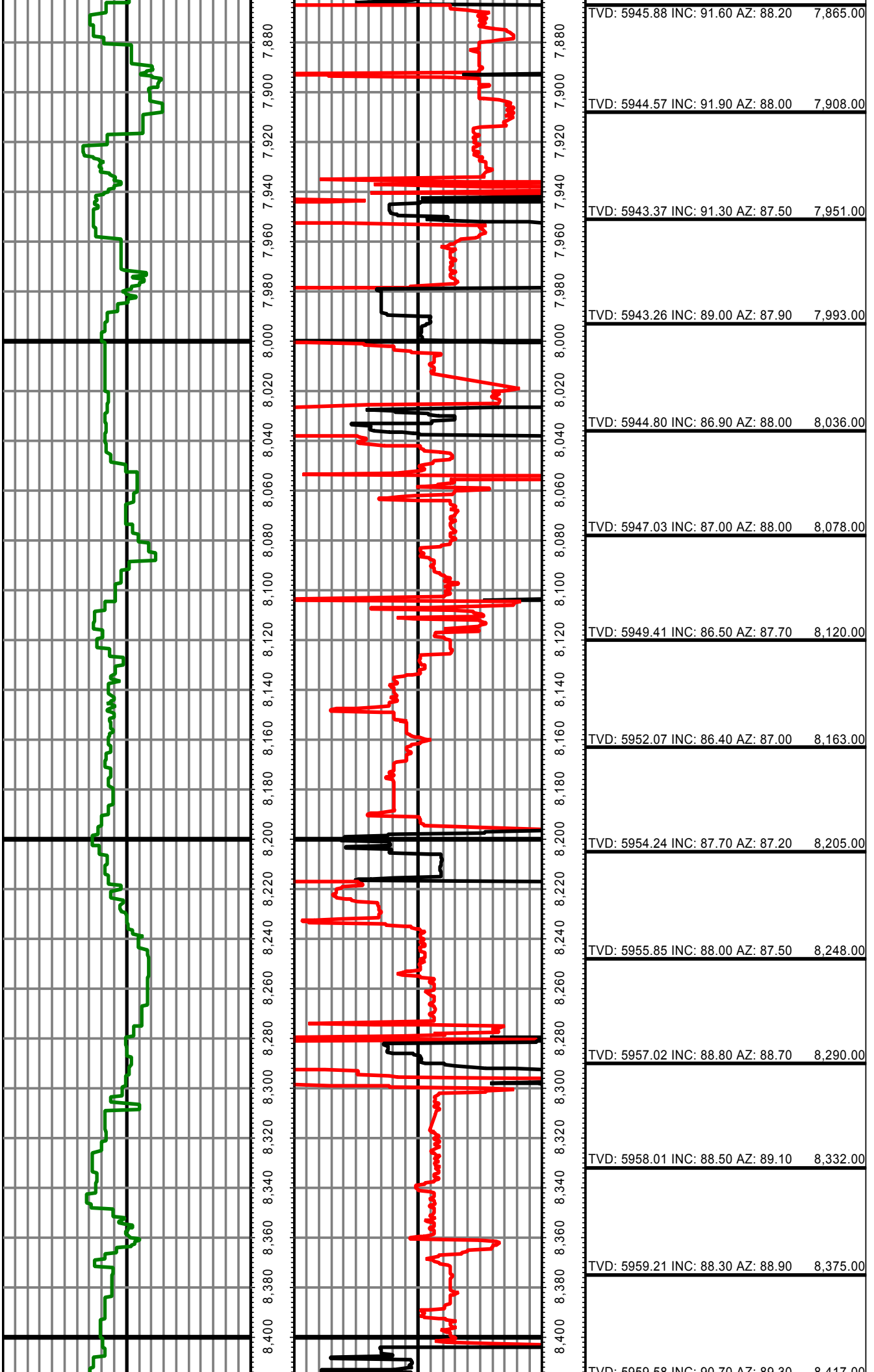


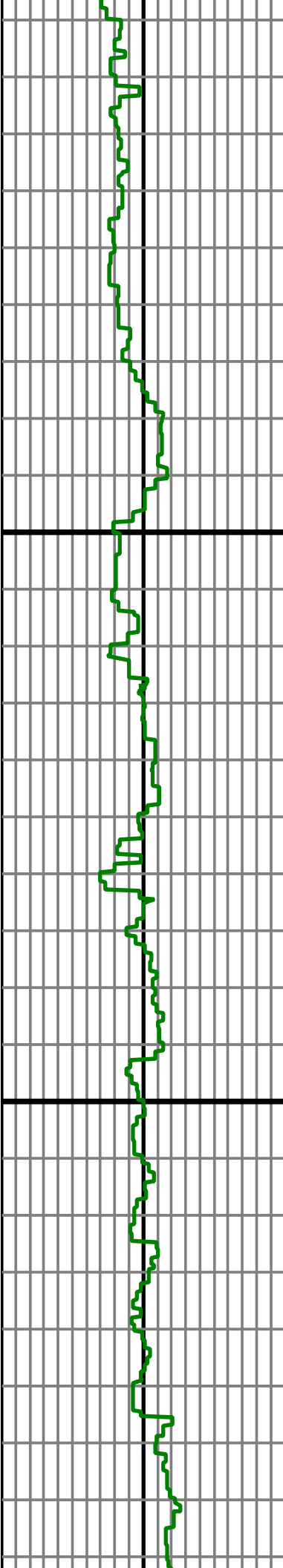




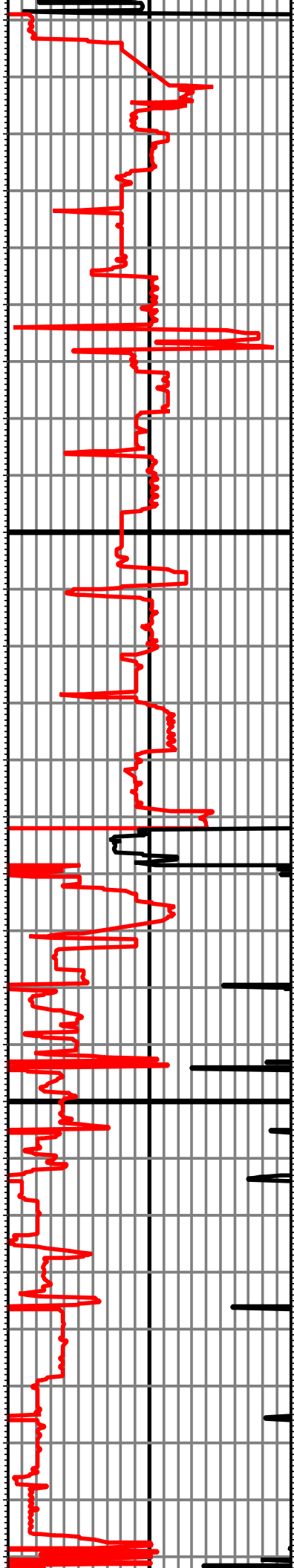








8,420 8,440 8,460 8,480 8,500 8,520 8,540 8,560 8,580 8,600 8,620 8,640 8,660 8,680 8,700 8,720 8,740 8,760 8,780 8,800 8,820 8,840 8,860 8,880 8,900 8,920 8,940



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TVD: 5959.58 INC: 90.70 AZ: 89.30	8,417.00
TVD: 5958.79 INC: 91.40 AZ: 89.30	8,460.00
TVD: 5958.02 INC: 90.70 AZ: 88.60	8,502.00
TVD: 5957.53 INC: 90.60 AZ: 88.60	8,545.00
TVD: 5957.06 INC: 90.70 AZ: 88.70	8,587.00
TVD: 5956.68 INC: 90.30 AZ: 89.50	8,630.00
TVD: 5956.35 INC: 90.60 AZ: 89.30	8,672.00
TVD: 5955.56 INC: 91.50 AZ: 89.60	8,715.00
TVD: 5954.21 INC: 92.20 AZ: 89.30	8,757.00
TVD: 5952.74 INC: 91.80 AZ: 89.30	8,799.00
TVD: 5951.47 INC: 91.60 AZ: 89.30	8,842.00
TVD: 5950.40 INC: 91.30 AZ: 89.10	8,884.00
TVD: 5949.50 INC: 91.10 AZ: 89.10	8,927.00

