



Nzone Guidance

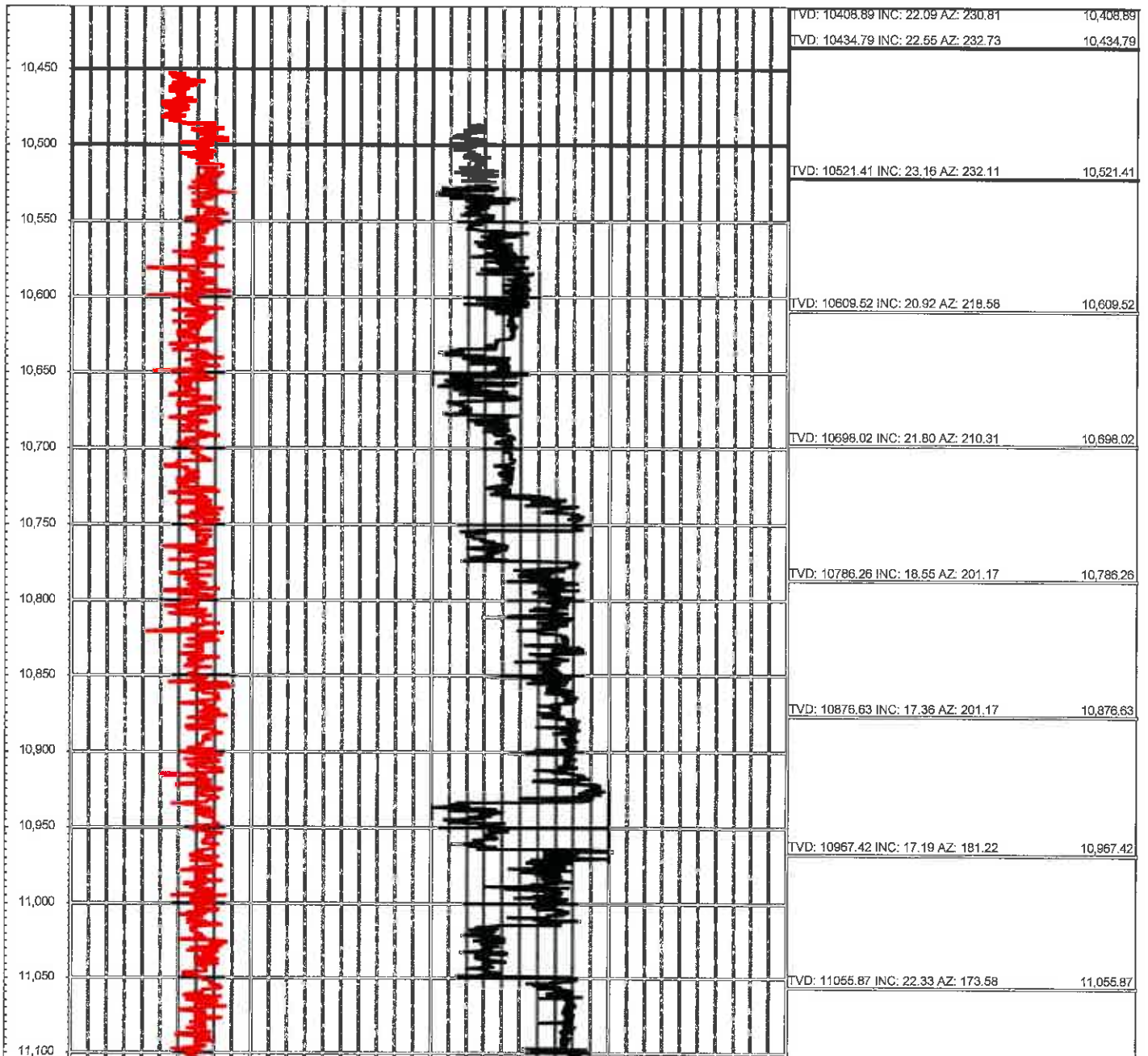
Heaven Hill 2-12HU
 Scale 1":100' - TVD
 5/12/2018 10:03 AM

Oper. Company: Tug Hill Operating
 Well: Heaven Hill 2-12HU
 Field: Utica
 Rig: Nabors X08
 Well ID: 47-051-01952
 Job Number: THO-17-1011A

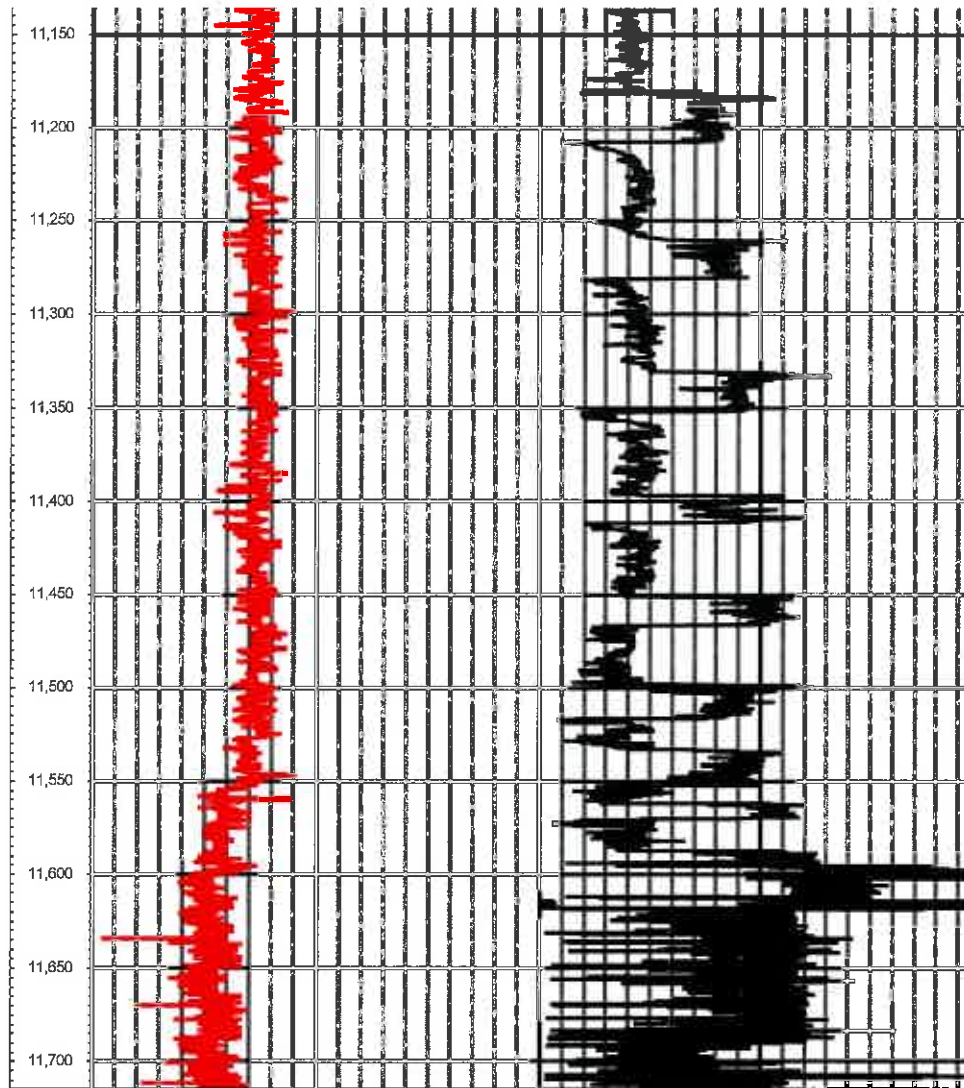
State: WV
 County: Marshall
 Country: USA
 Location: Heaven Hills 2
 Start Date:
 End Date:

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.

TVD 0.00 GR(API) 360.00 0.00 RSP(T/H) 200.00 SURFACE TVD(ANG/AZ)
 FT 350.00 700.00 350.00



CONFIDENTIAL



TVD: 1141.00 INC: 27.09 AZ: 175.01	11,41.00
TVD: 11222.62 INC: 33.85 AZ: 175.95	11,222.62
TVD: 11298.28 INC: 40.48 AZ: 175.16	11,298.28
TVD: 11366.73 INC: 46.07 AZ: 168.48	11,366.73
TVD: 11427.69 INC: 54.02 AZ: 166.37	11,427.69
TVD: 11478.06 INC: 61.89 AZ: 163.82	11,478.06
TVD: 11518.09 INC: 68.26 AZ: 159.86	11,518.09
TVD: 11549.62 INC: 72.97 AZ: 157.75	11,549.62
TVD: 11574.75 INC: 76.35 AZ: 156.08	11,574.75
TVD: 11590.26 INC: 84.84 AZ: 155.03	11,590.26