

**CONFIDENTIAL**



**NZone Guidance**  
NZone Guidance  
3101 Highway 183  
Liberty Hill, TX 78642  
  
512-778-5353

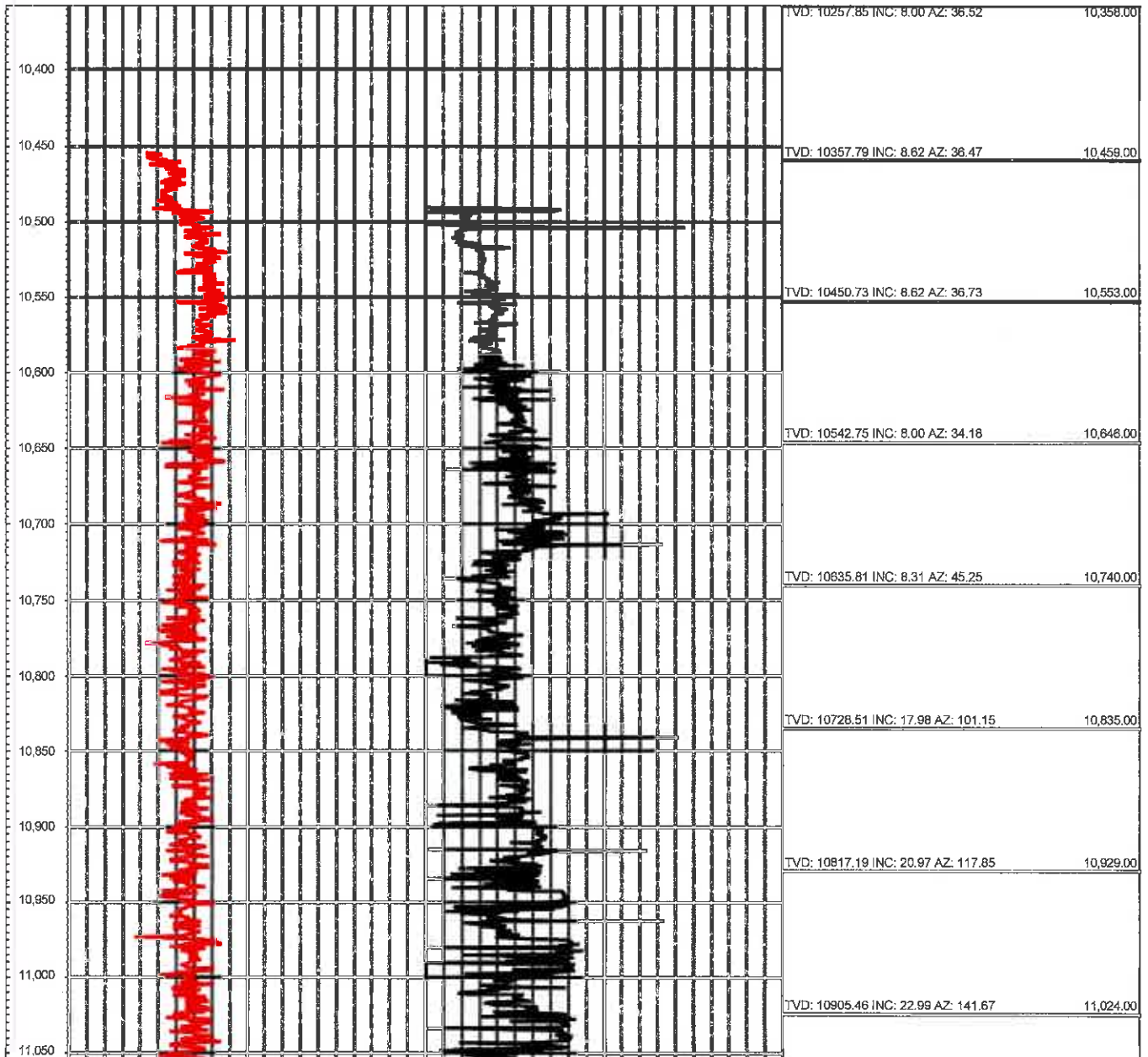
**Heaven Hill 2-06 HU**  
**Scale 1"=100' - MD**  
**4/26/2018 11:31 PM**

**Oper. Company:** Tug Hill Operating  
**Well:** Heaven Hill 2-06 HU  
**Field:** Utica  
**Rig:** Nabors X08  
**Well ID:** 47-051-01910  
**Job Number:** THO-17-1063

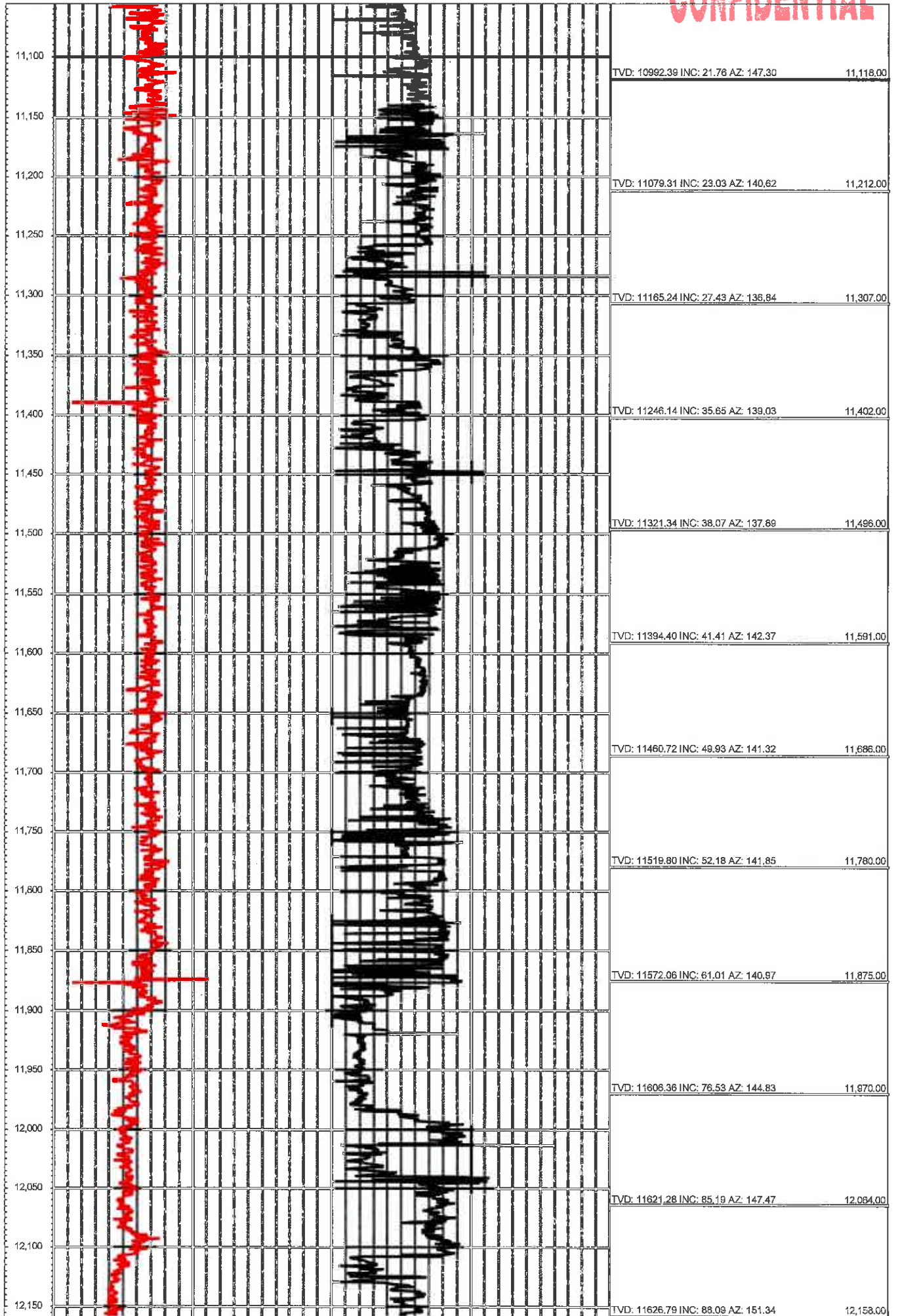
**State:** West Virginia  
**County:** Marshall  
**Country:** USA  
**Location:** Moundsville  
**Start Date:** 04/06/2018 02:30:20  
**End Date:**

*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.*

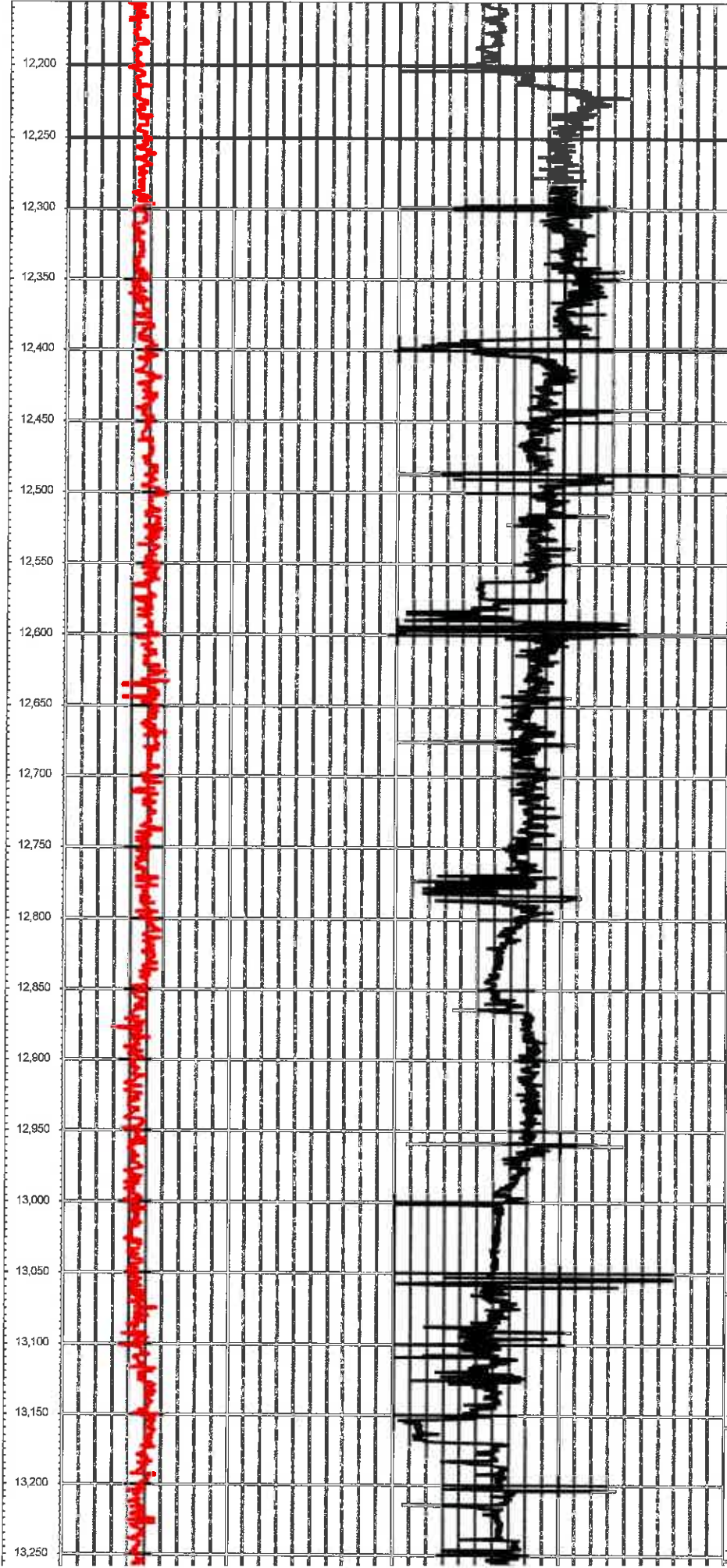
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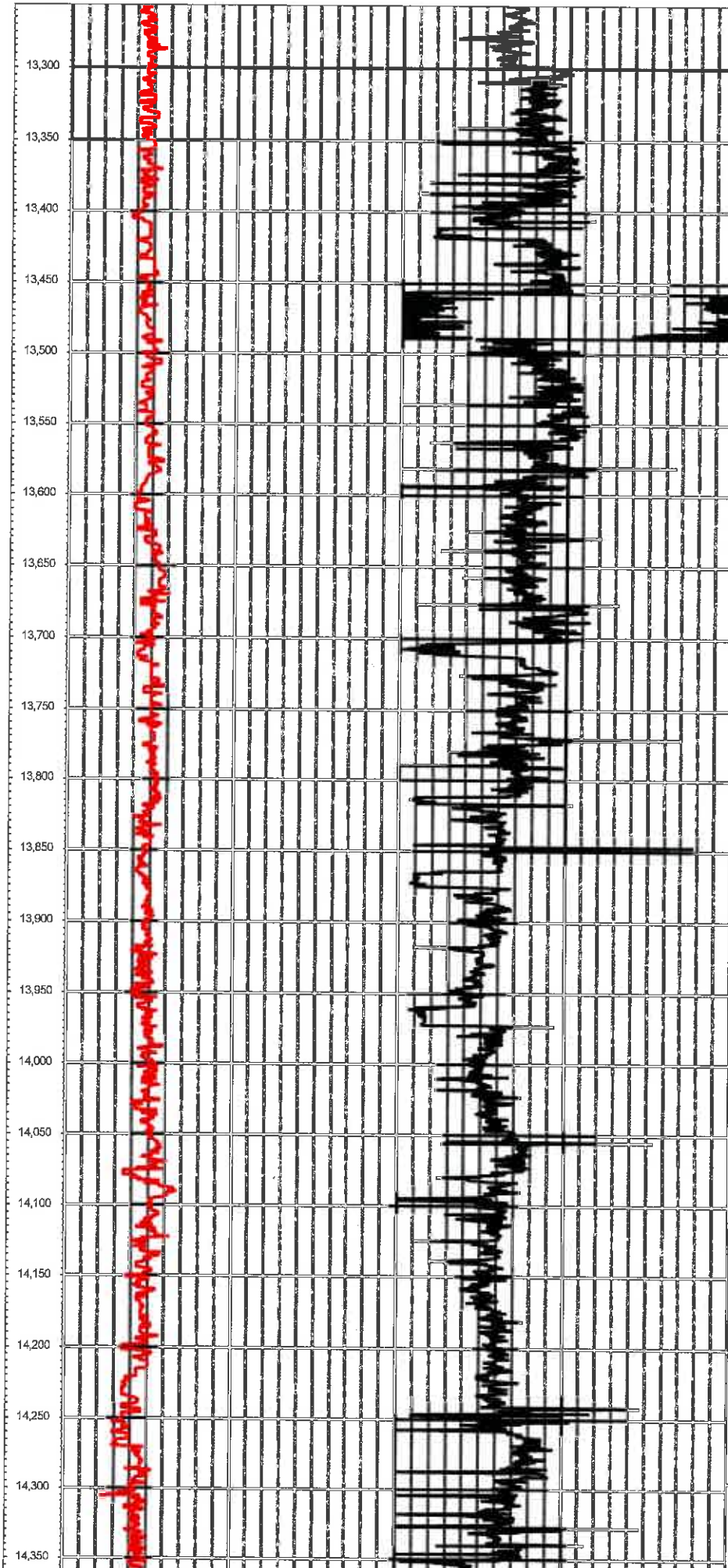


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TVD: 11630.18 INC: 87.82 AZ: 151.43	12,253.00
TVD: 11634.23 INC: 87.30 AZ: 151.51	12,348.00
TVD: 11637.43 INC: 88.84 AZ: 151.69	12,443.00
TVD: 11639.81 INC: 89.26 AZ: 152.22	12,537.00
TVD: 11641.63 INC: 89.54 AZ: 149.67	12,632.00
TVD: 11643.27 INC: 88.48 AZ: 149.32	12,727.00
TVD: 11643.74 INC: 90.95 AZ: 149.93	12,822.00
TVD: 11643.41 INC: 89.45 AZ: 150.46	12,917.00
TVD: 11644.98 INC: 88.66 AZ: 151.16	13,012.00
TVD: 11646.29 INC: 88.40 AZ: 151.69	13,063.00
TVD: 11647.67 INC: 89.93 AZ: 151.08	13,158.00
TVD: 11647.46 INC: 90.33 AZ: 150.55	13,253.00

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TVD: 11646.88 INC: 90.37 AZ: 150.55 13,348.00

TVD: 11648.14 INC: 88.09 AZ: 149.84 13,442.00

TVD: 11651.59 INC: 87.74 AZ: 149.93 13,537.00

TVD: 11655.46 INC: 87.60 AZ: 150.37 13,632.00

TVD: 11659.03 INC: 88.09 AZ: 150.99 13,727.00

TVD: 11661.60 INC: 88.53 AZ: 151.08 13,821.00

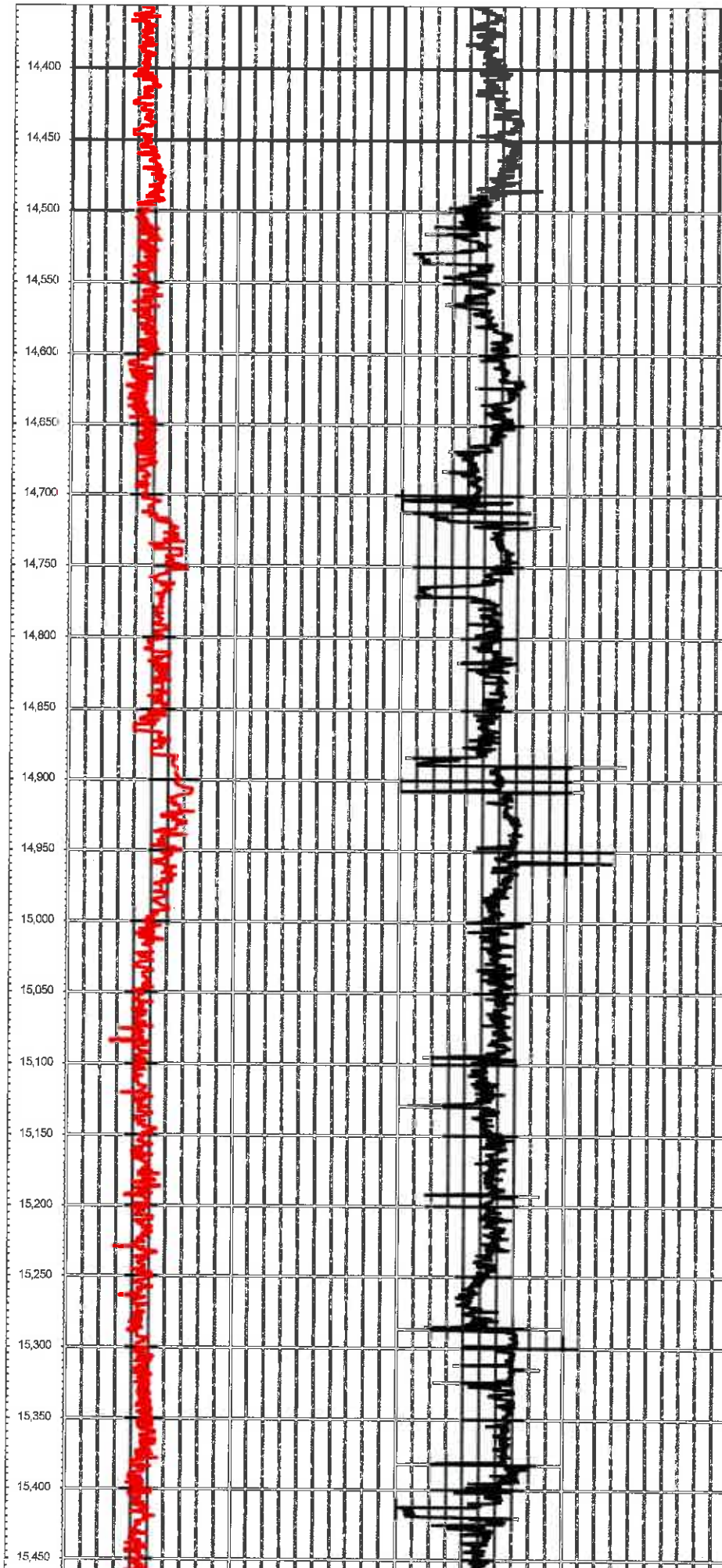
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TVD: 11663.40 INC: 91.34 AZ: 149.14 14,011.00

TVD: 11662.20 INC: 90.11 AZ: 147.91 14,106.00

TVD: 11662.53 INC: 89.49 AZ: 148.35 14,201.00

TVD: 11663.43 INC: 89.41 AZ: 148.61 14,295.00



TVD: 11664.40 INC: 89.41 AZ: 148.88 14,389.00

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TVD: 11665.50 INC: 89.27 AZ: 148.79 14,484.00

TVD: 11665.68 INC: 90.51 AZ: 150.20 14,579.00

TVD: 11664.54 INC: 90.86 AZ: 150.20 14,674.00

TVD: 11664.14 INC: 89.63 AZ: 150.37 14,768.00

TVD: 11665.09 INC: 89.23 AZ: 151.43 14,863.00

TVD: 11667.23 INC: 88.18 AZ: 150.55 14,958.00

TVD: 11670.49 INC: 87.96 AZ: 151.16 15,053.00

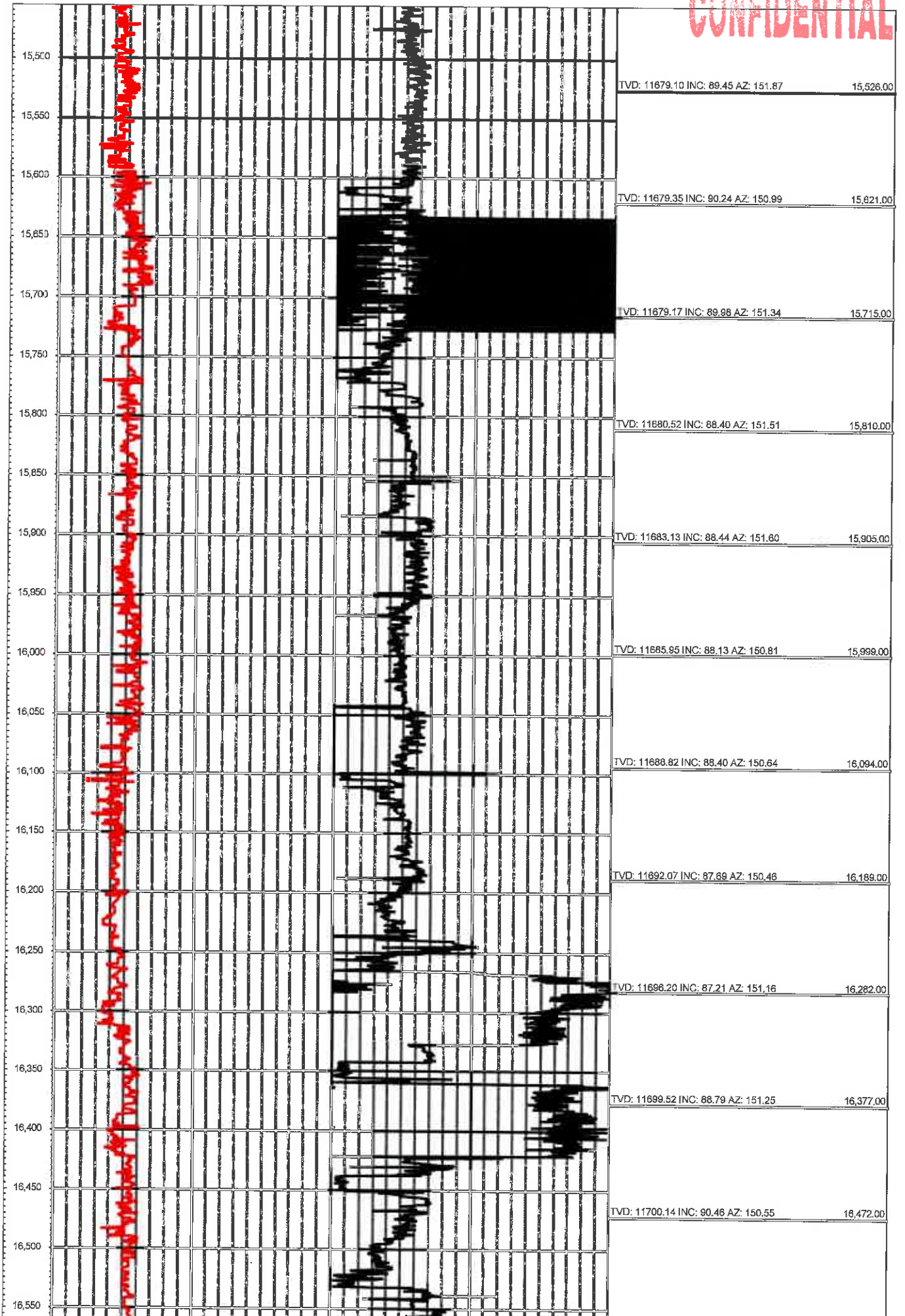
TVD: 11673.49 INC: 88.31 AZ: 151.08 15,147.00

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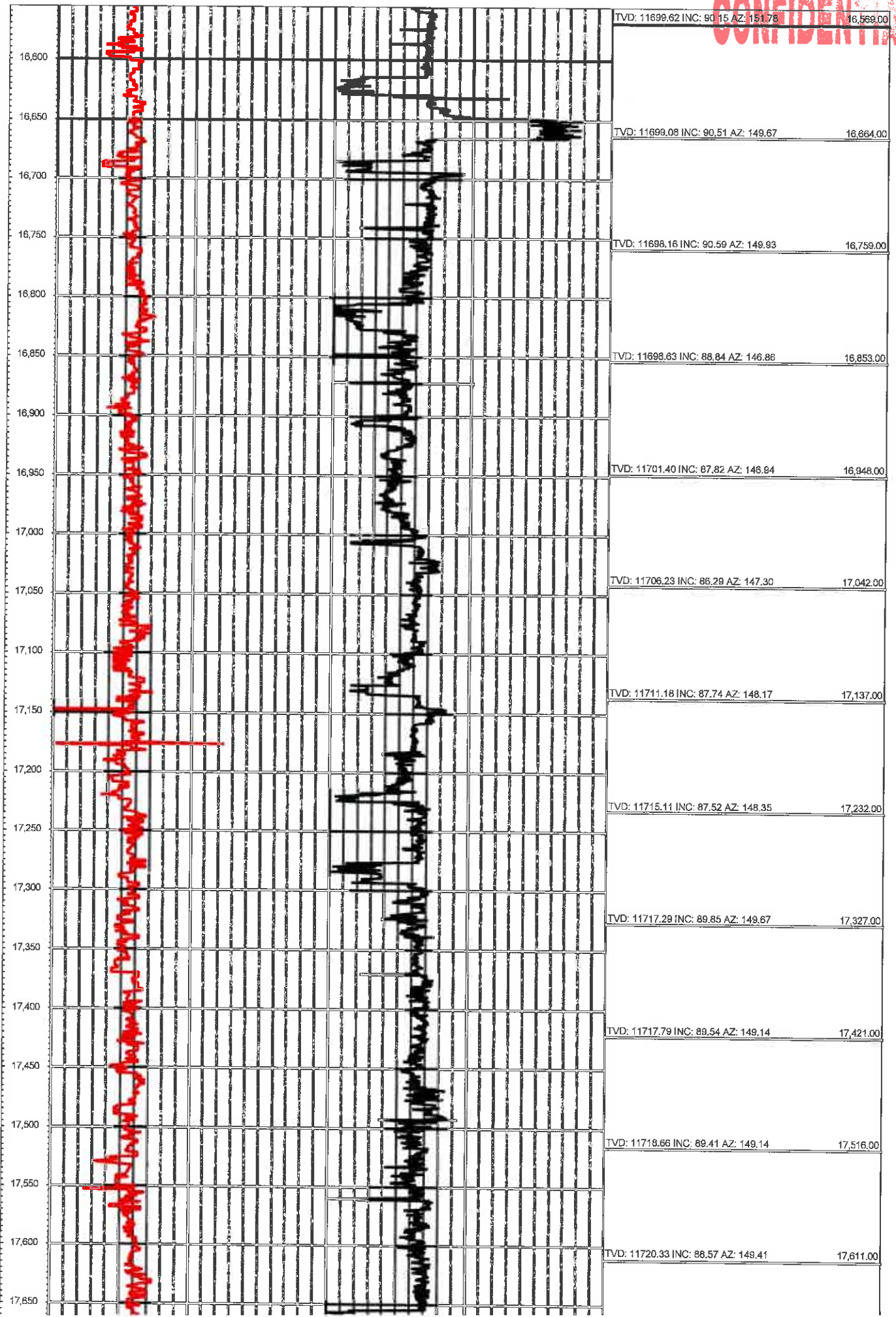
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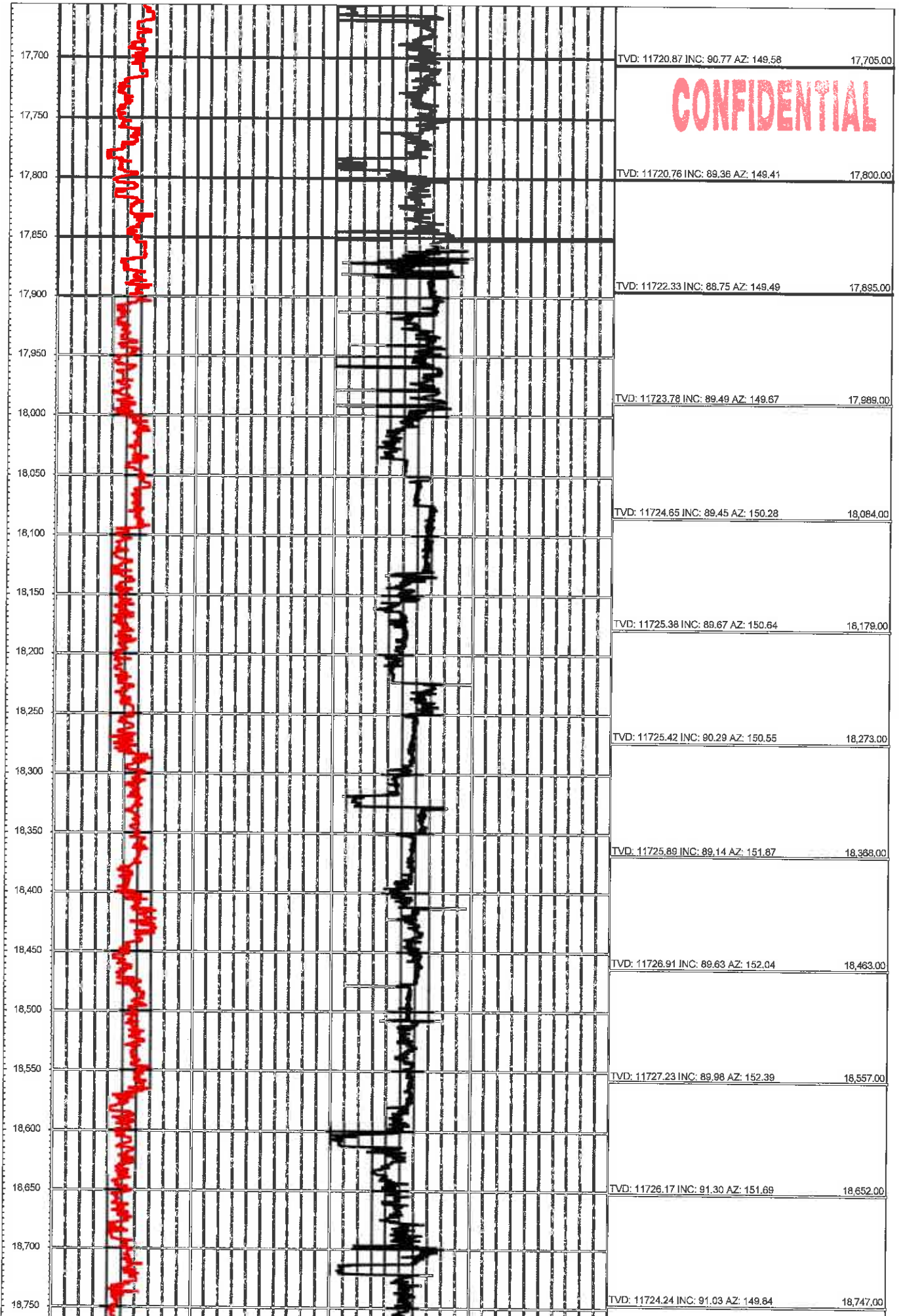
TVD: 11678.26 INC: 89.54 AZ: 150.81 15,431.00

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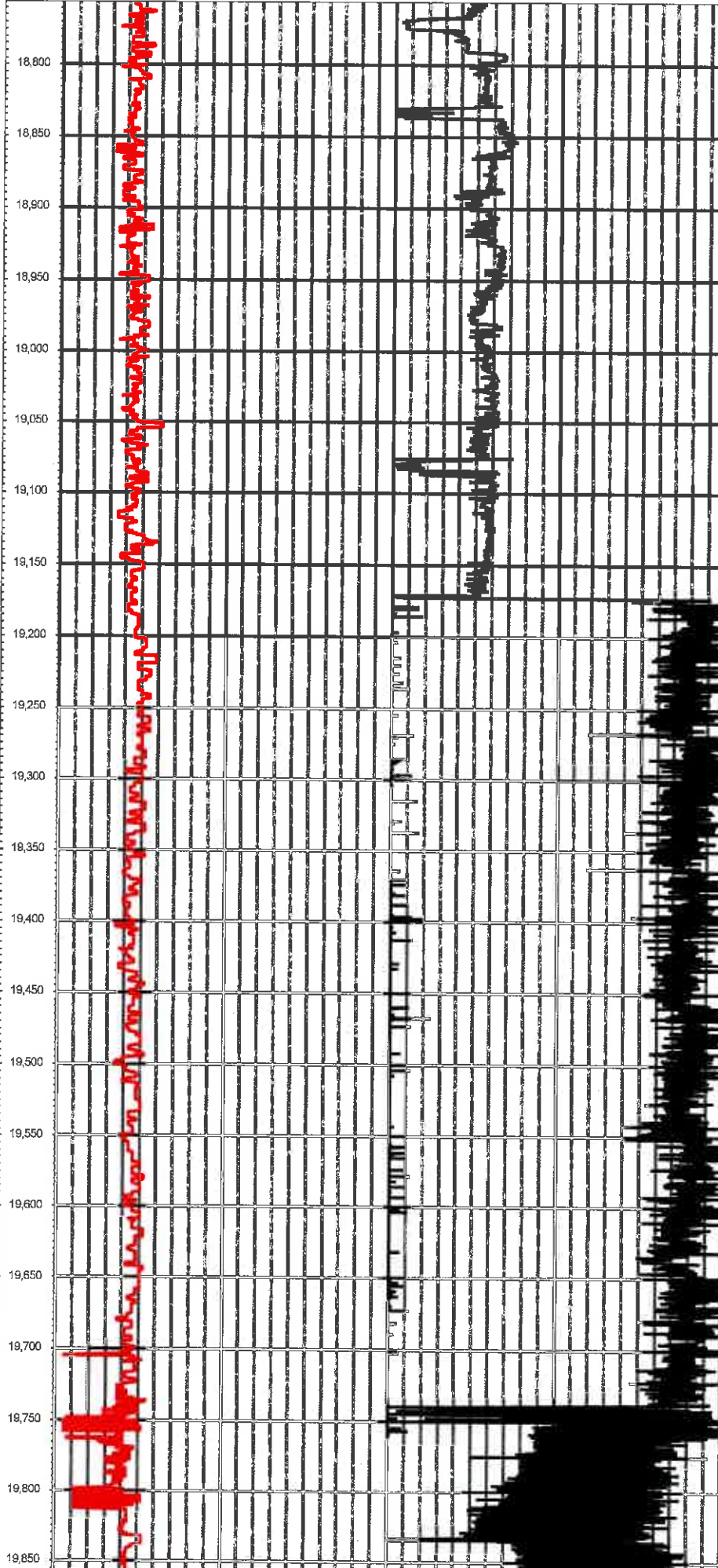
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TVD: 11724.42 INC: 88.75 AZ: 148.53 18,841.00

TVD: 11728.46 INC: 88.79 AZ: 148.53 18,938.00

TVD: 11728.26 INC: 89.01 AZ: 148.70 19,030.00

TVD: 11729.35 INC: 89.67 AZ: 147.03 19,125.00

TVD: 11730.31 INC: 89.19 AZ: 148.09 19,221.00

TVD: 11732.25 INC: 88.44 AZ: 148.79 19,315.00

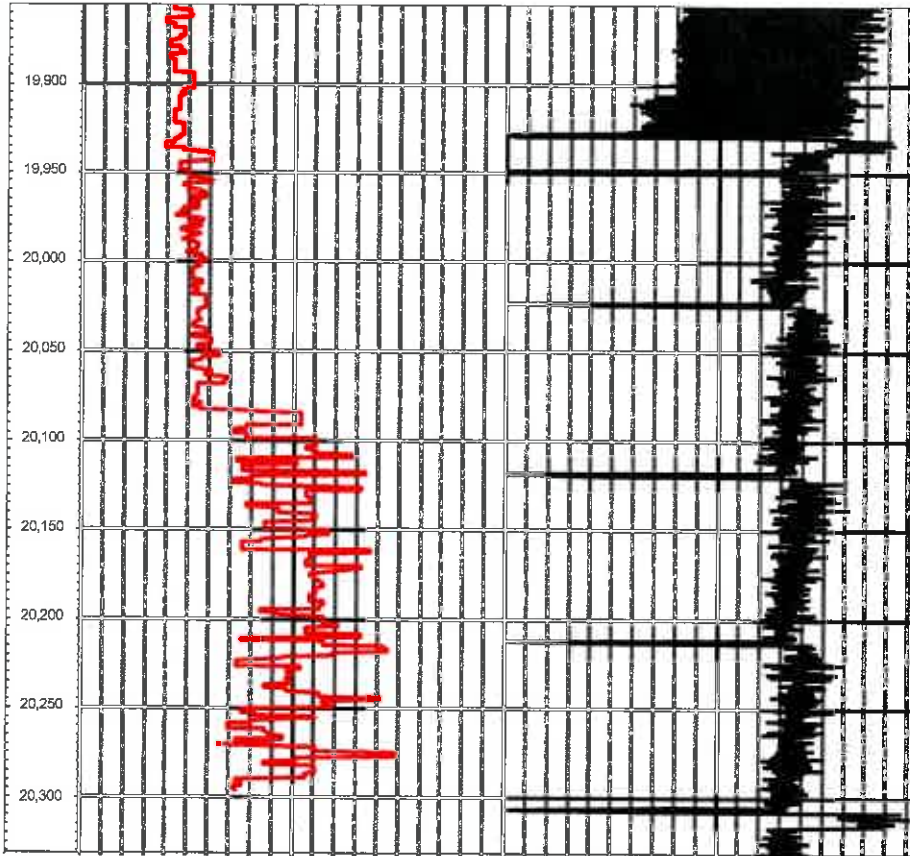
TVD: 11735.06 INC: 88.18 AZ: 148.70 19,410.00

TVD: 11738.29 INC: 87.87 AZ: 148.61 19,504.00

TVD: 11741.97 INC: 87.69 AZ: 148.70 19,599.00

TVD: 11745.44 INC: 88.13 AZ: 148.61 19,694.00

TVD: 11748.13 INC: 88.62 AZ: 149.58 19,789.00



TVD: 11750.47 INC: 88.53 AZ: 150.20 19,883.00

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TVD: 11752.33 INC: 89.23 AZ: 151.69 19,978.00

TVD: 11753.67 INC: 89.14 AZ: 151.69 20,072.00

TVD: 11755.15 INC: 89.05 AZ: 151.69 20,166.00

TVD: 11757.31 INC: 88.35 AZ: 150.37 20,261.00

TVD: 11758.03 INC: 88.44 AZ: 150.28 20,287.00

MD 0.00 350.00 0.00 350.00 ROE (T/HR) 250.00 SURVEY (TVRANC/AZ)