

Oil Co: **BONANZA CREEK ENERGY**
Well Name: **STATE SEVENTY HOLES F-J-8HNB**
LSD:
State/Prov: **COLORADO**
Country: **USA**
Job #: **TPCO13-05-094**

Oil Company: **BONANZA CREEK ENERGY OPERATING**
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LSD:
State/Prov: **COLORADO**
Country: **USA**
Job #: **TPCO13-05-094**
Drilling Co. **CATHEDRAL ENERGY SERVICES**
Rig #: **ENSGN 136**
Co Rep 1: **GARY POLK**
Co Rep 2:
Geologist 1:
Geologist 2:
DD 1: **JON HANEWALD**
DD 2: **WES HUNT**
MWD 1: **BRIAN S. BOBO**
MWD 2: **ZACH EIDENSCHINK**
MWD Kit: **5**
Well Lic: **05-123-37852-00**
API/UWI: **05-123-37852-00**
AFE #:

Casing Depths			MD Depth		Date			
Surface: 438			Start: 30		7-13-13		KB 4549.00	
Intermediate: 5600			End:				GL 4537.00	
							DF: 12.00	
Run #	Hole Size (in)	Gamma Offset	Survey Offset	Depth Start	Depth End	Date Start	Date End	
01	8.75	37.45	47.41	438.00	6688.20	Oct 13, 11	Jul 17, 13	
02	6 1/8	39.55	49.41	6688.20	10676.80	Jul 18, 13	Jul 20, 13	

TERRAPILOT MWD SERVICES LLC uses its best efforts to provide customers with accurate information on services performed but will not be held liable or responsible for accuracy of information or interpretation.

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Well Lic: **05-123-37852-00**

API/UWI: **05-123-37852-00**

Surface LSD: **KB: 4549.00**

State/Prov: **COLORADO** Job #: **TPCO13-05-** **GL: 4537.00**

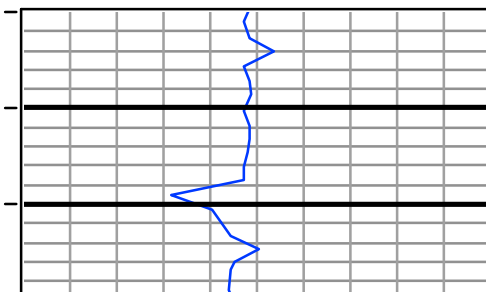
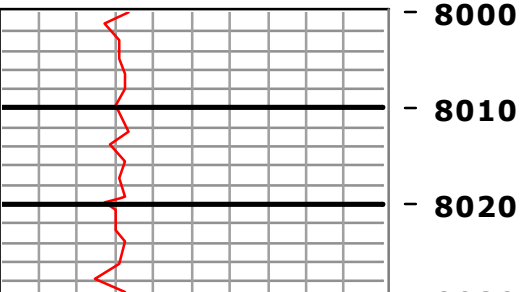
Country: **USA** MWD Kit: **5** **DF: 12.00**



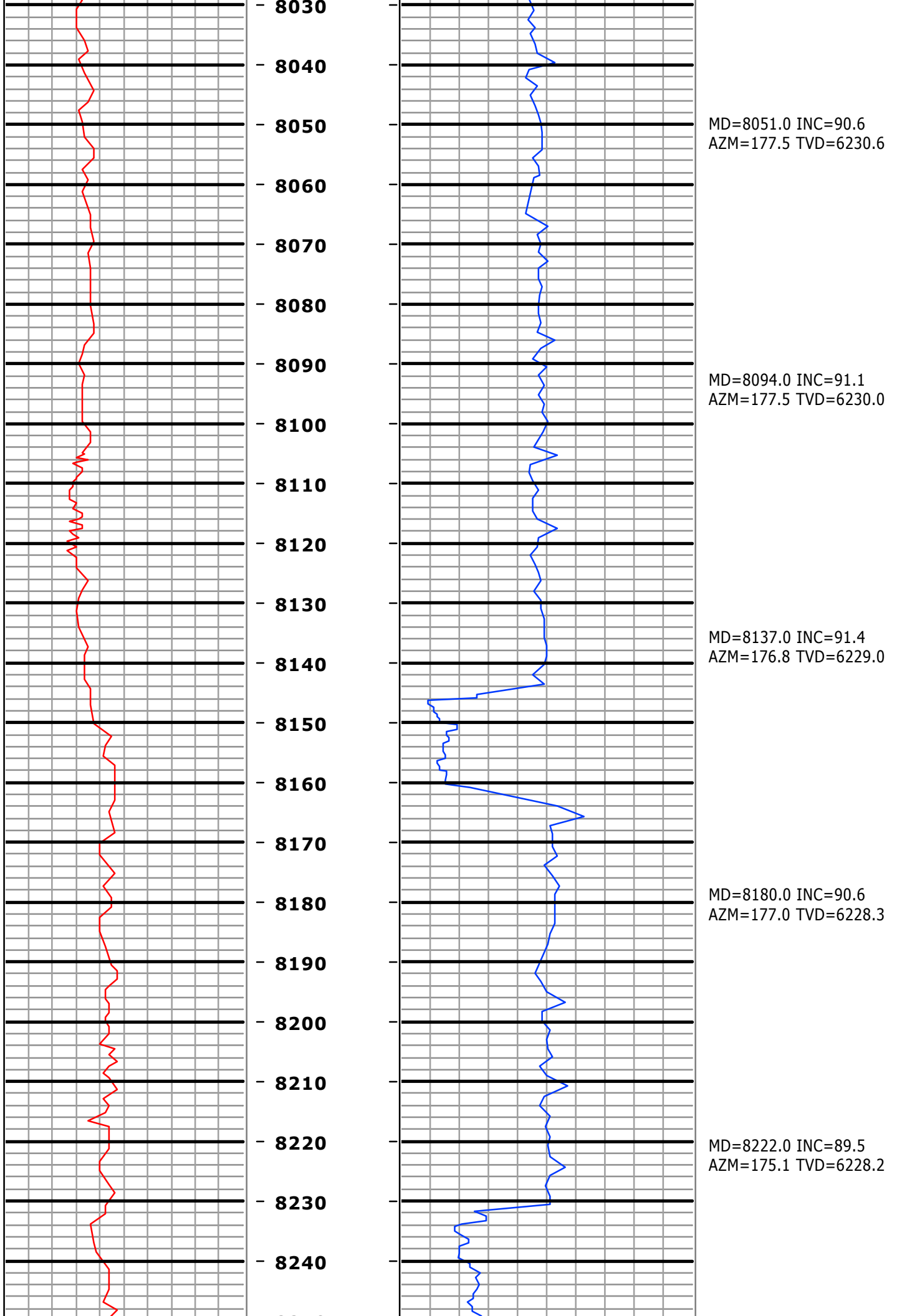
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200 Gamma [AAPI] **400**

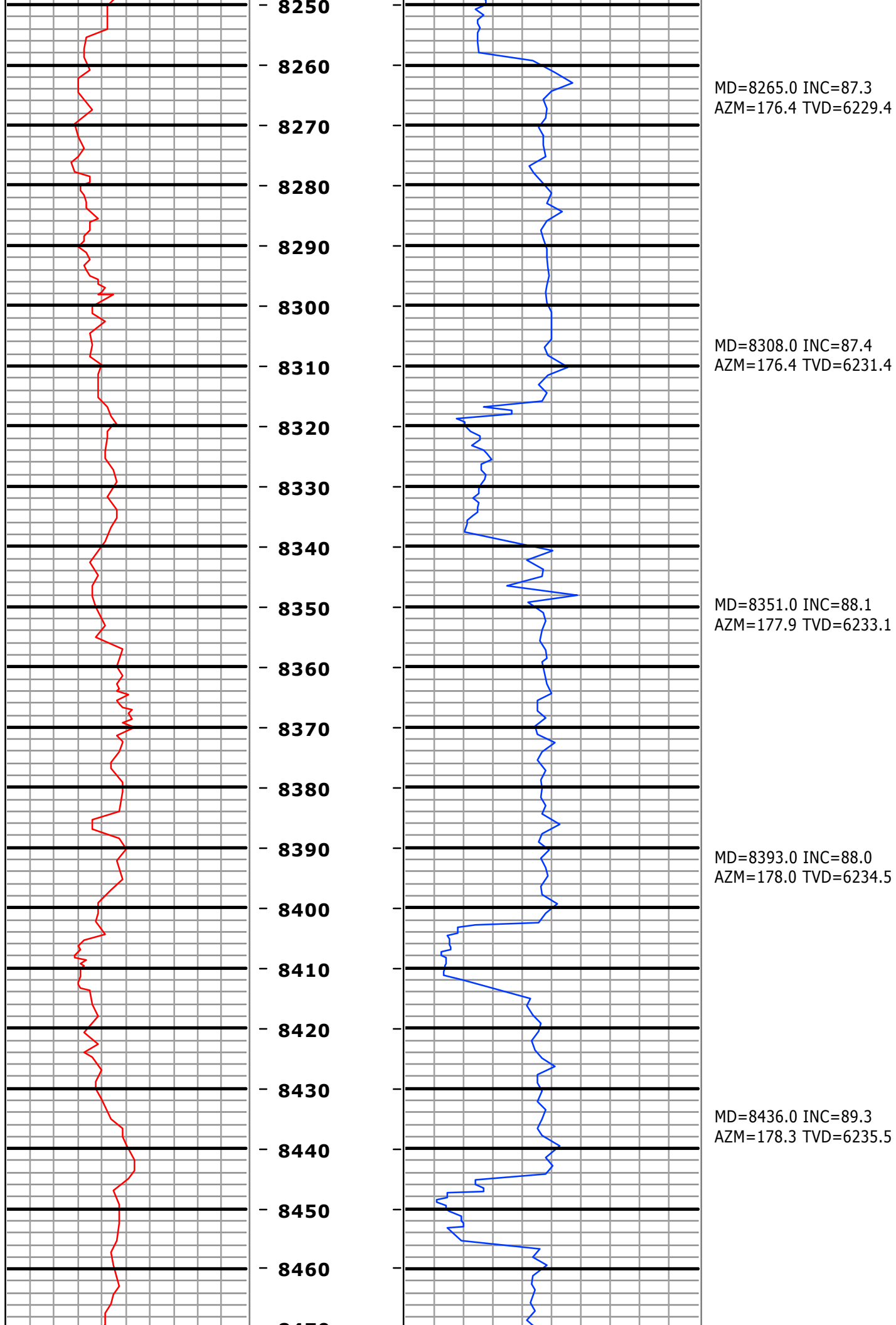
Feet
5":100'
MD

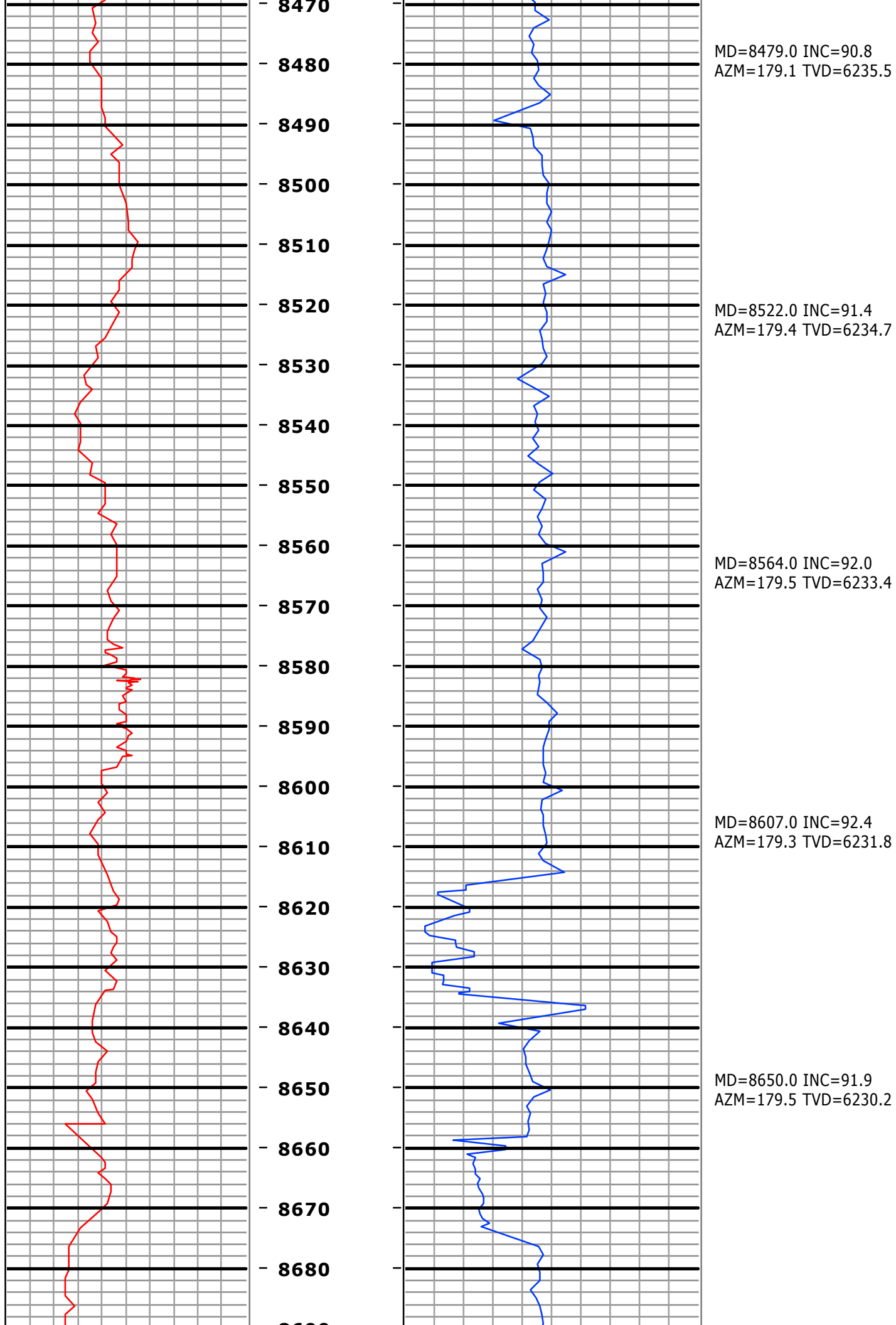
0 ROP [ft per hr] **500**

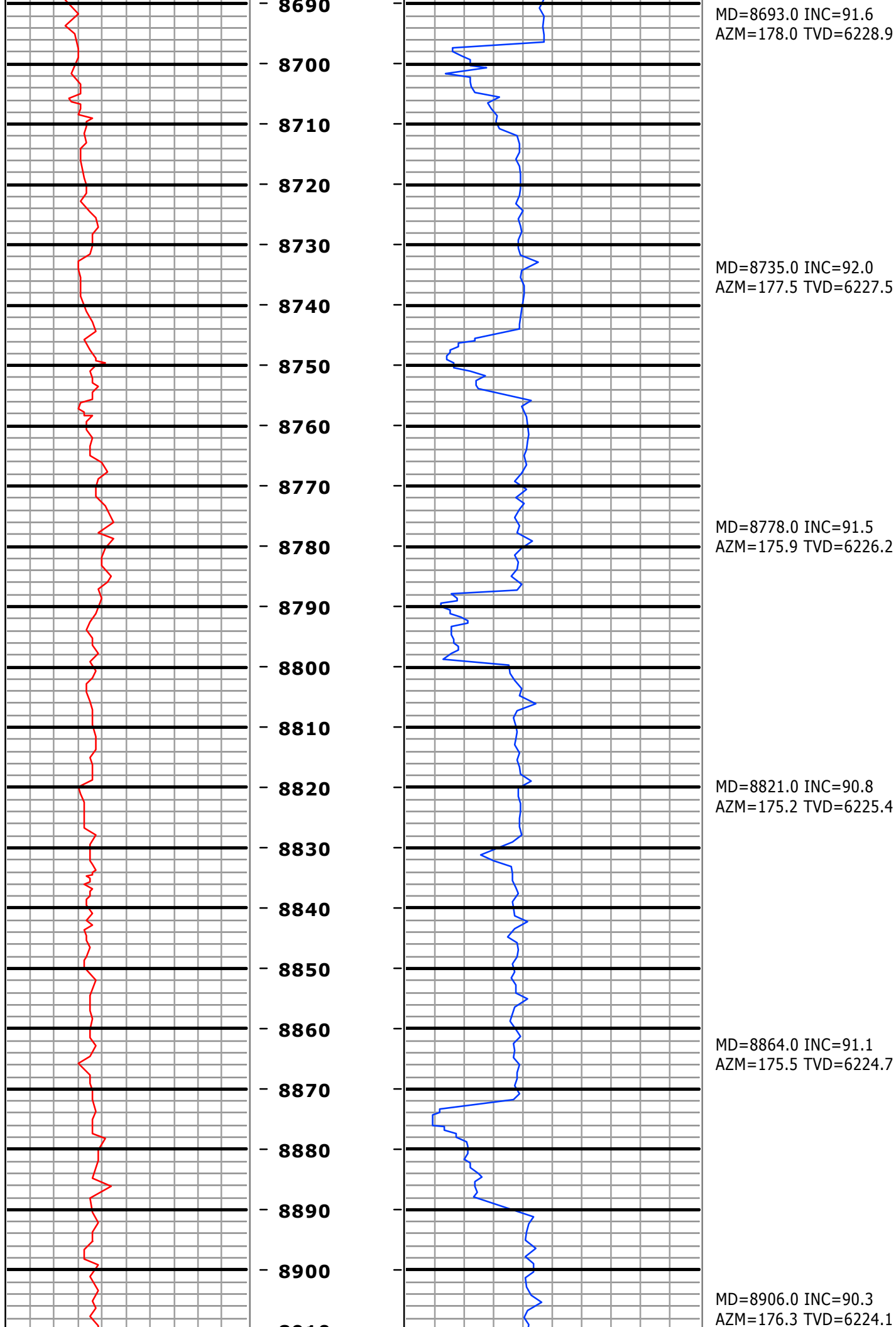


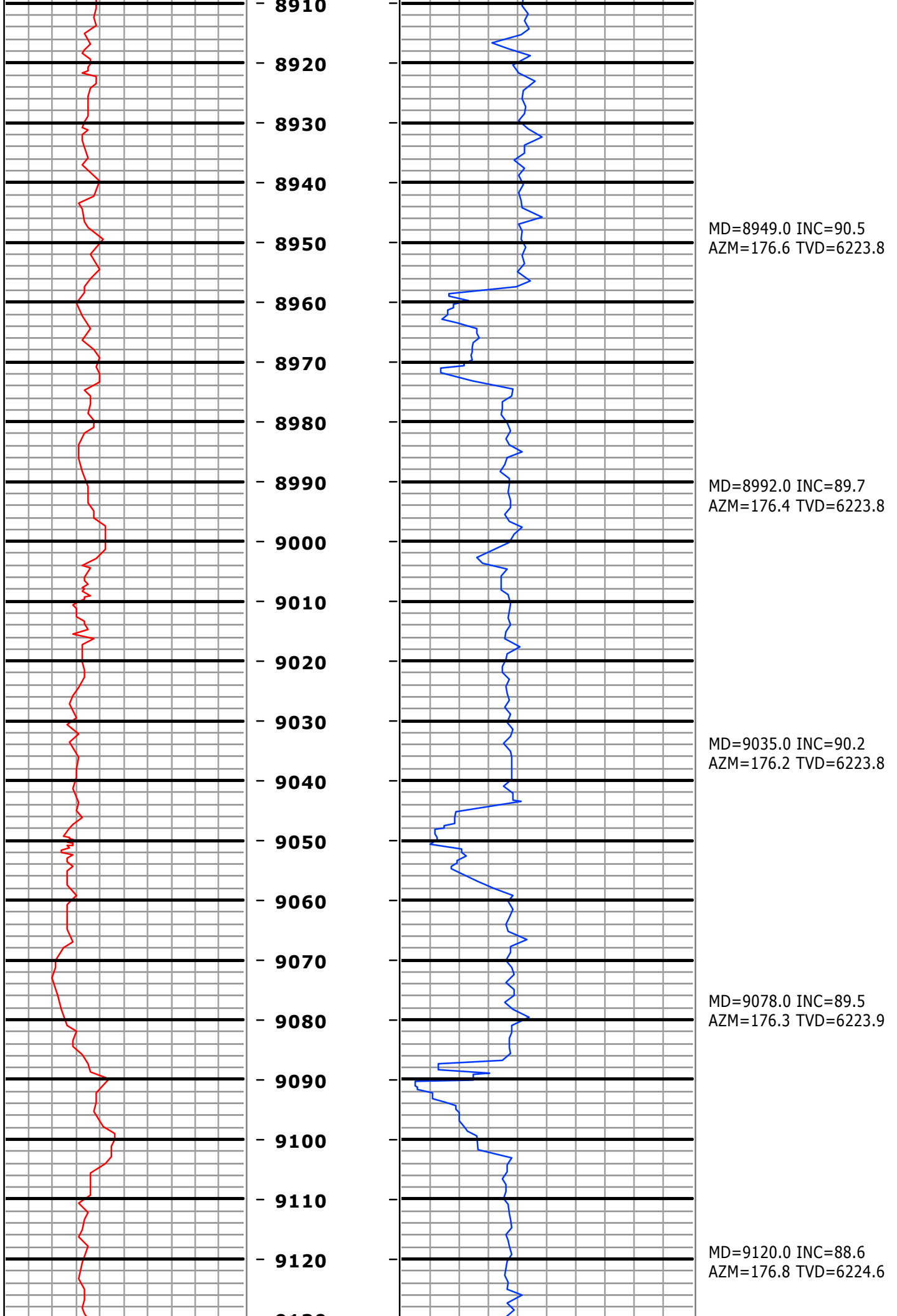
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AZM=177.5 TVD=6231.0

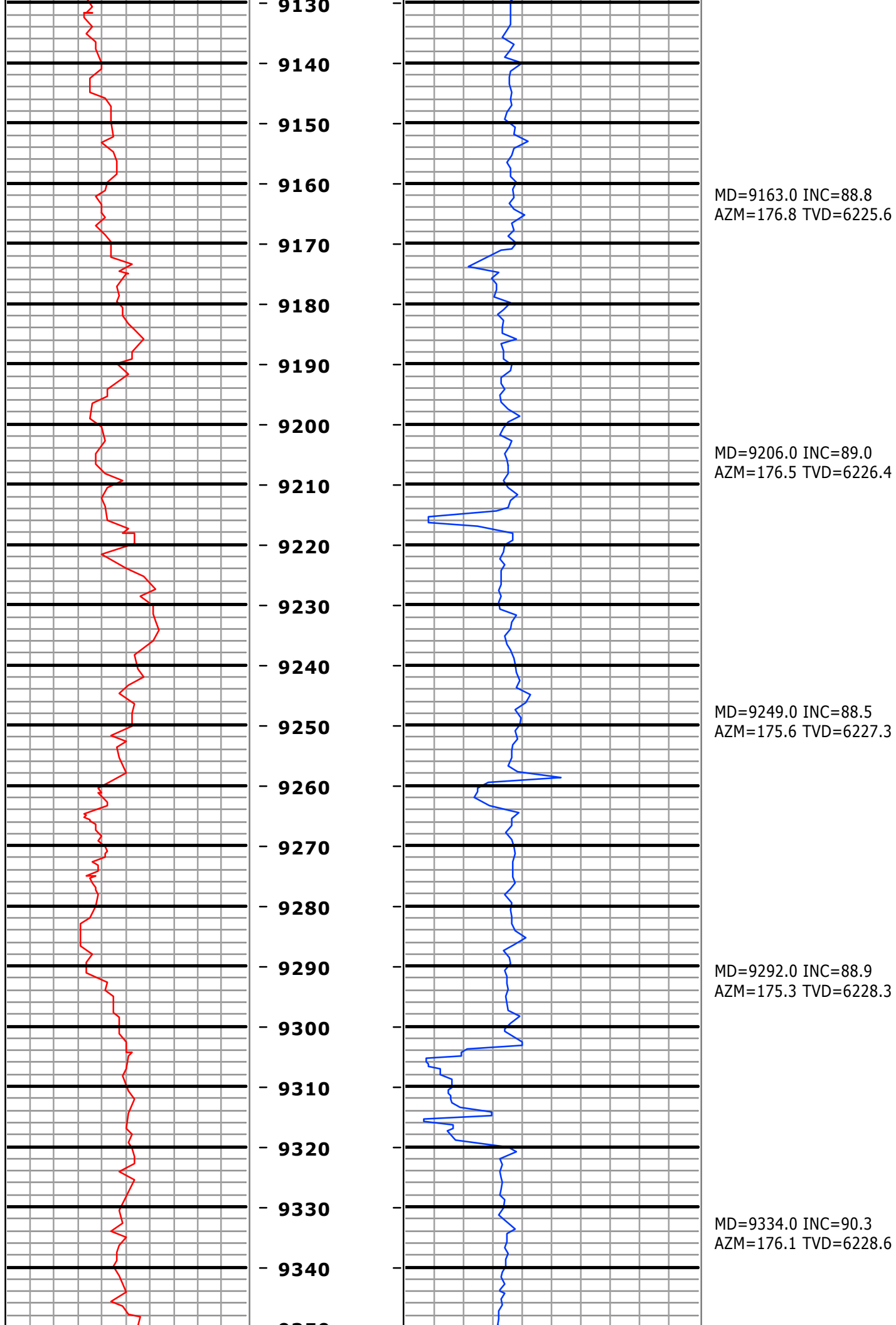


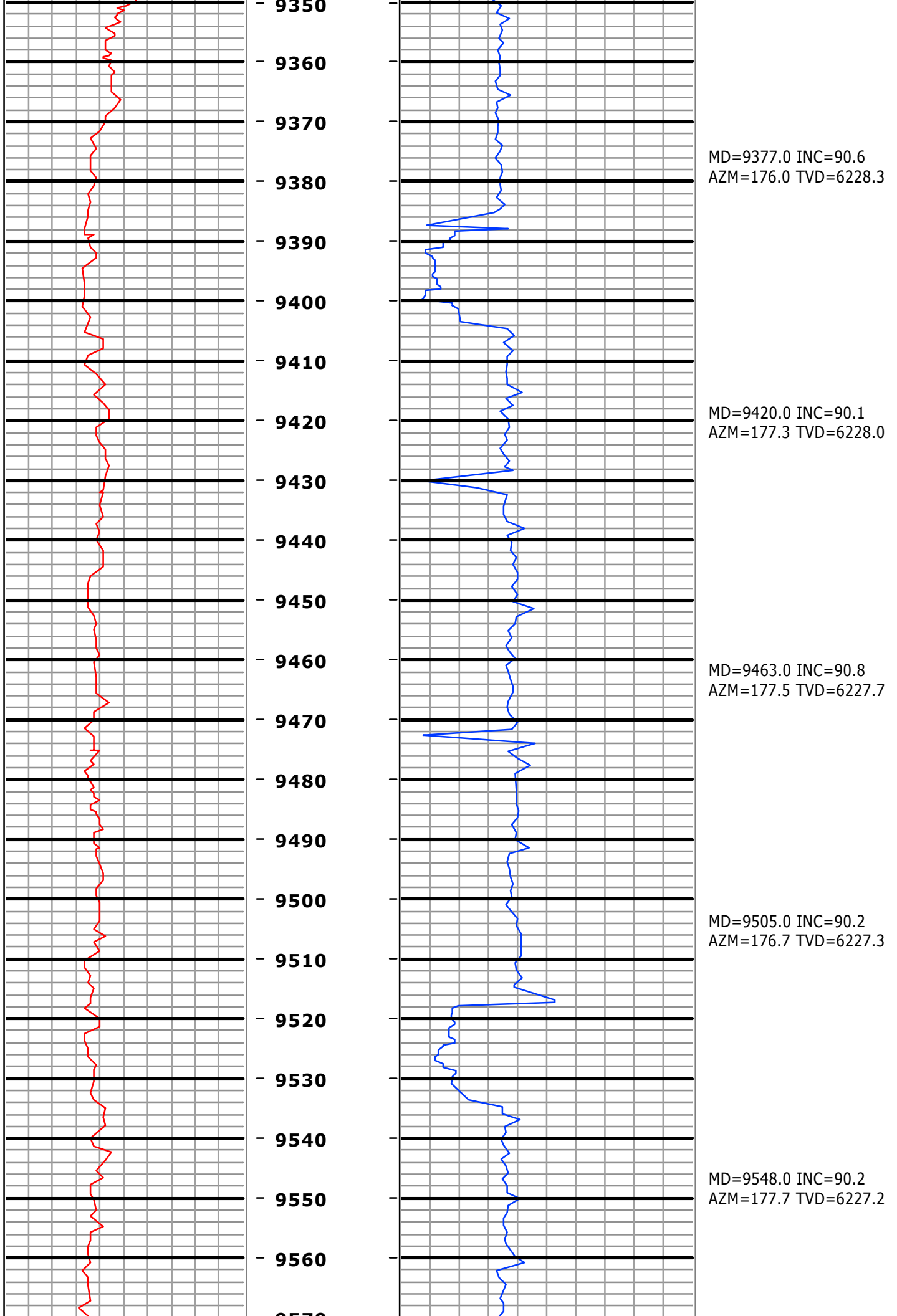


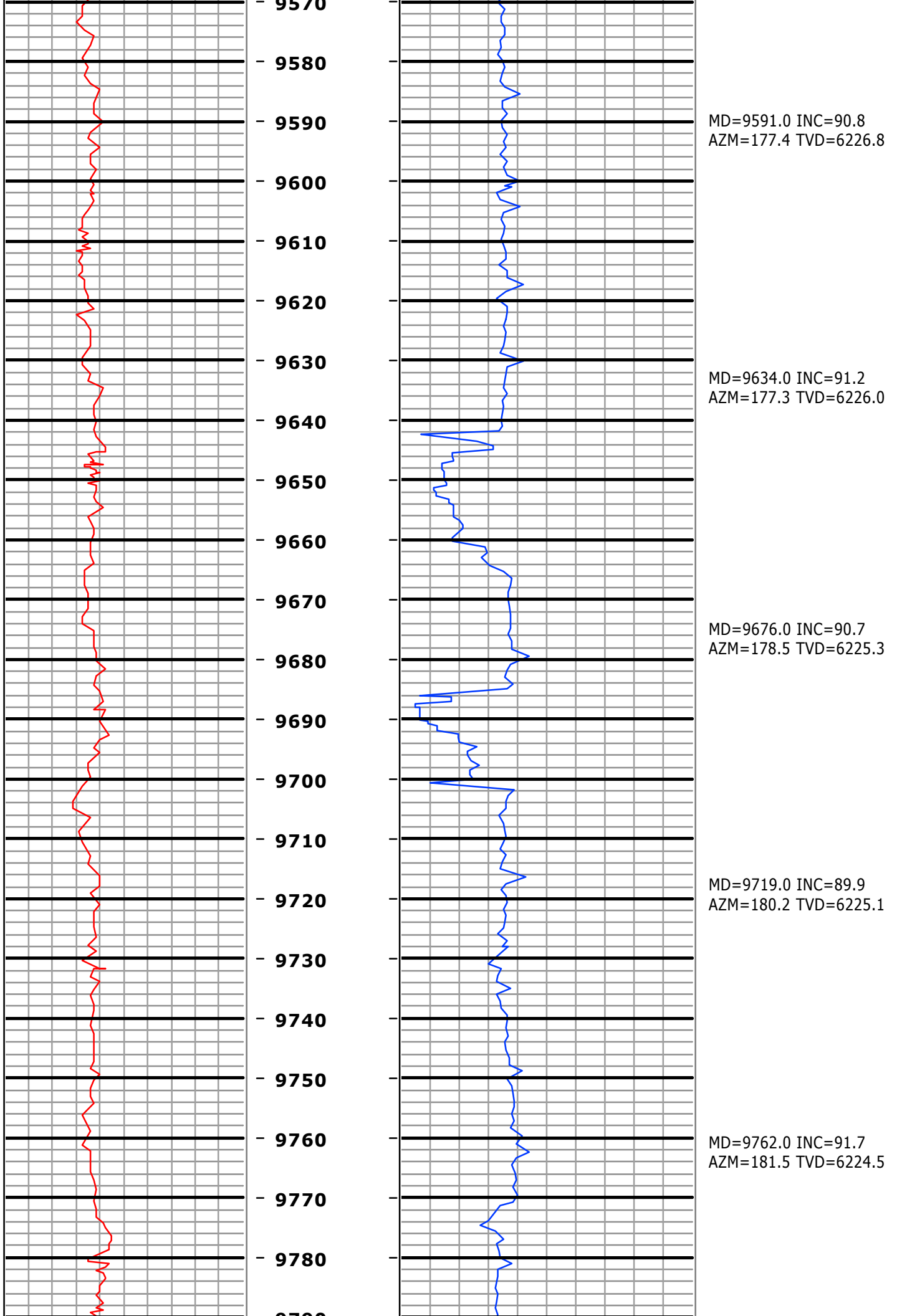


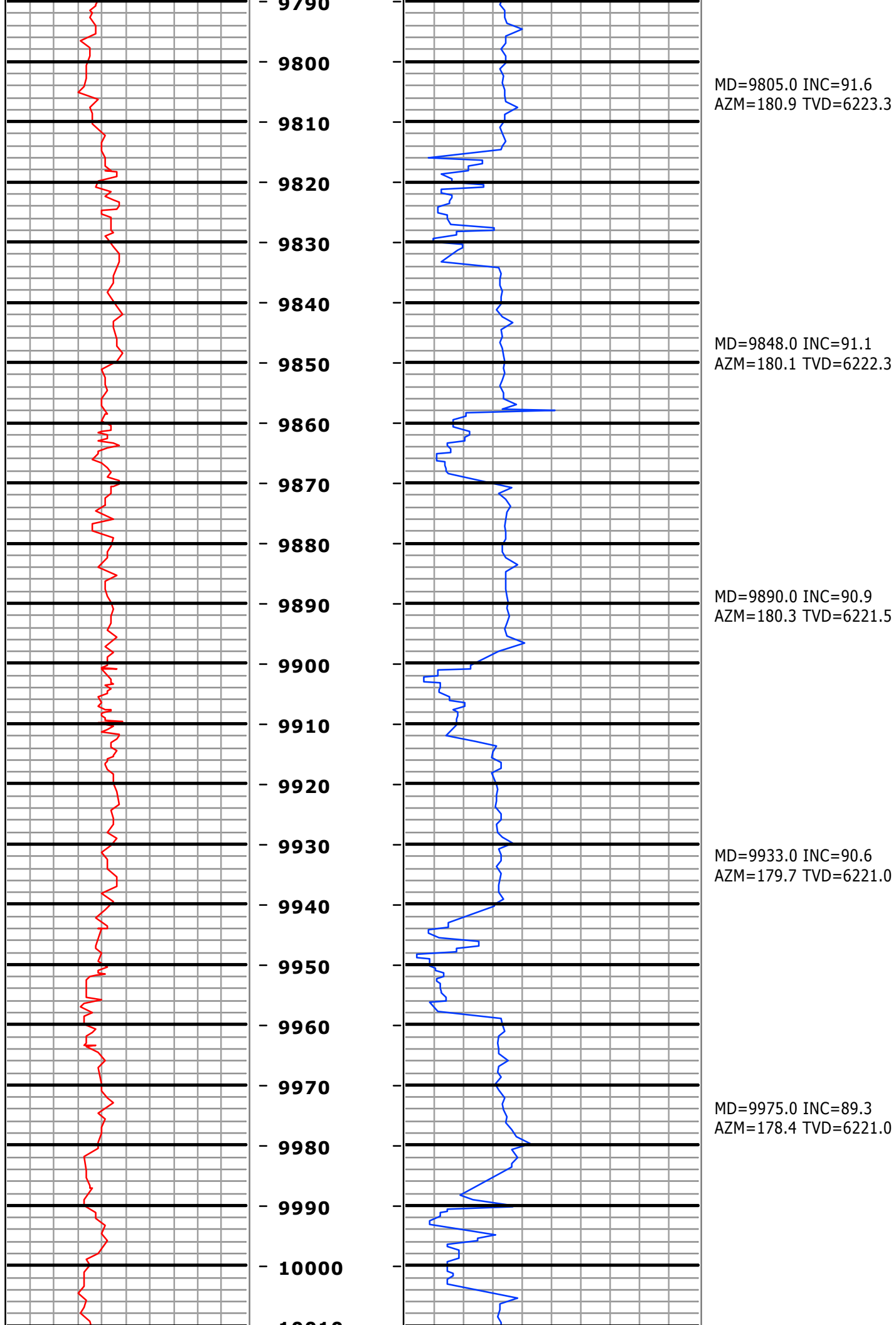


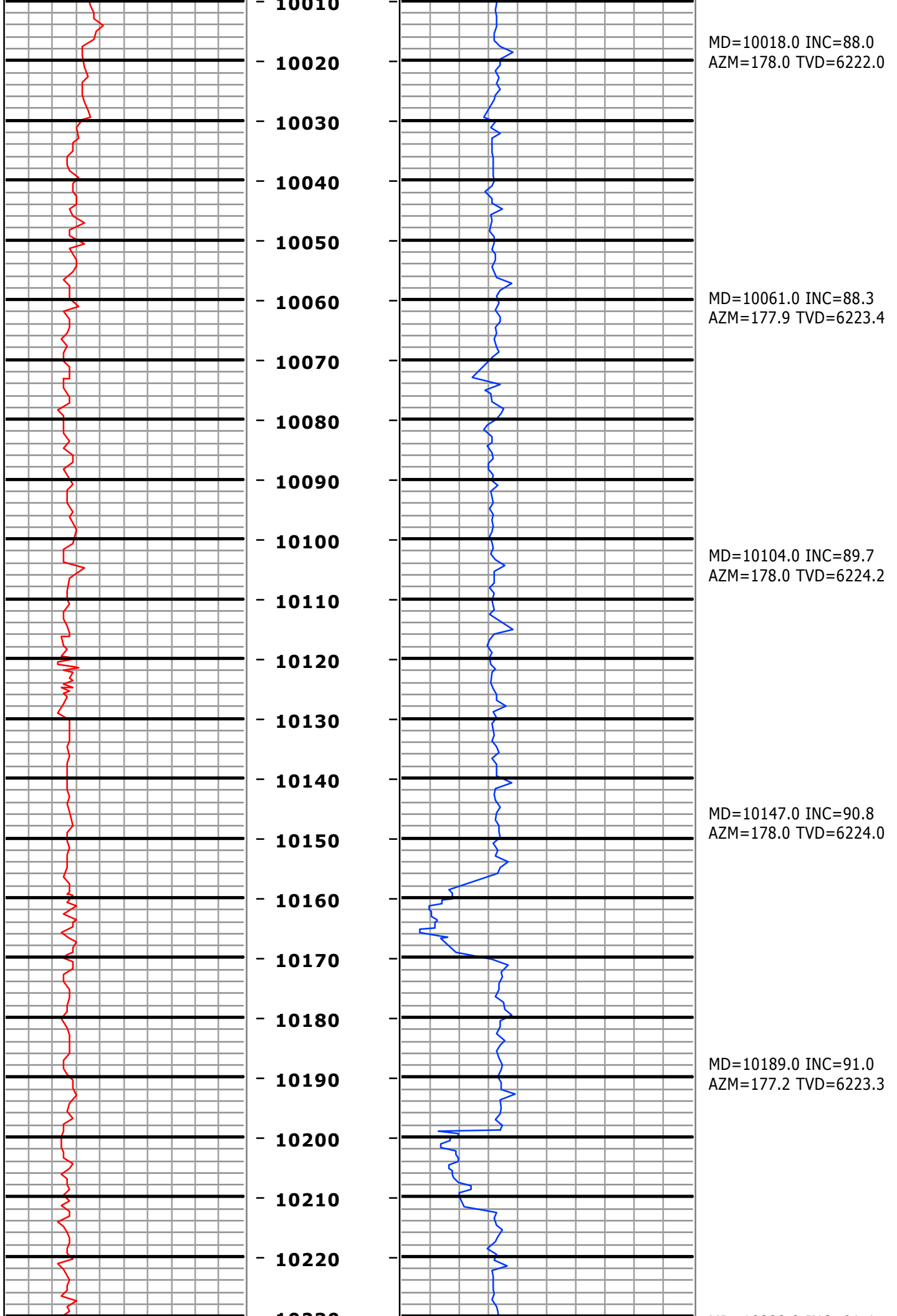


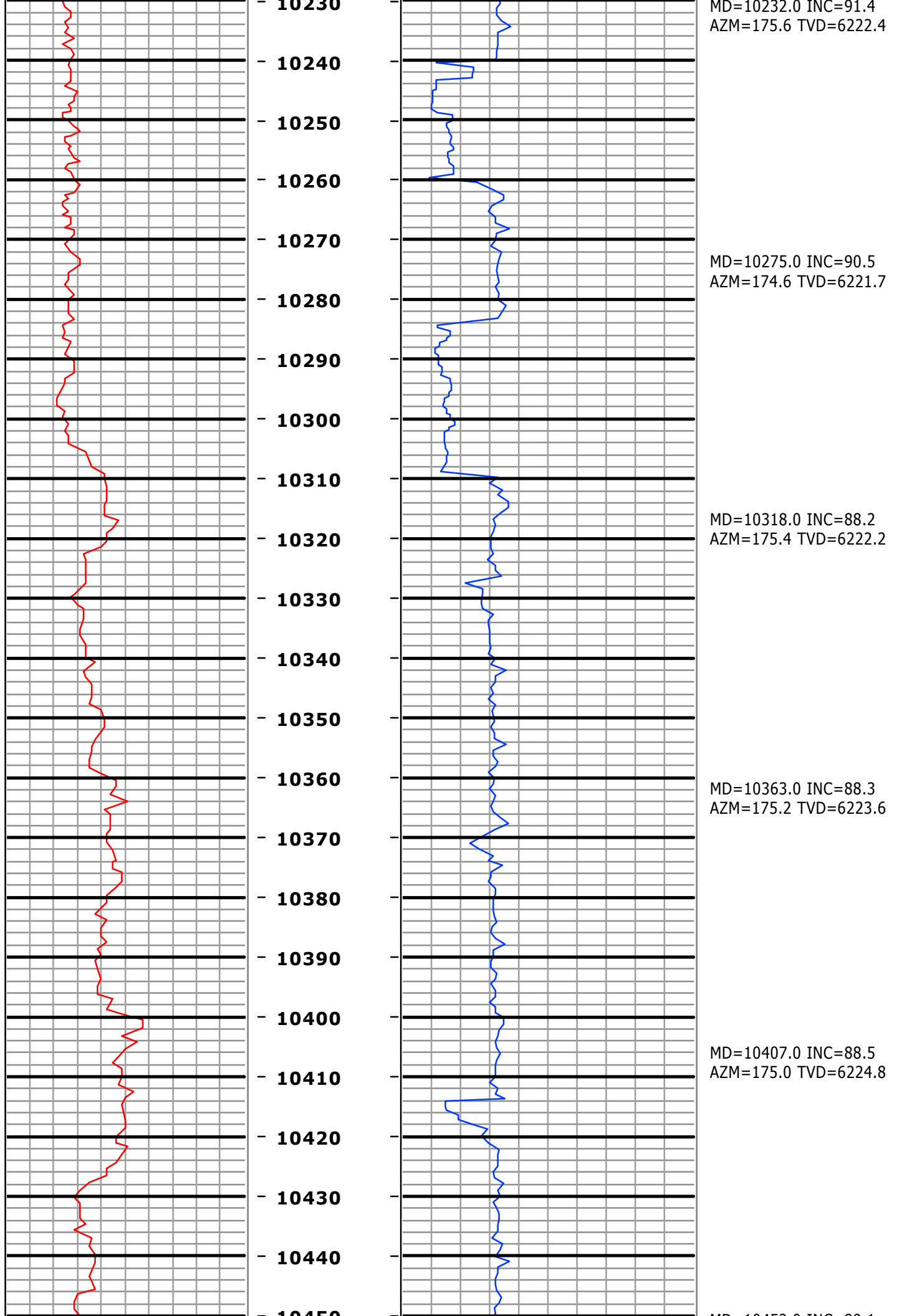


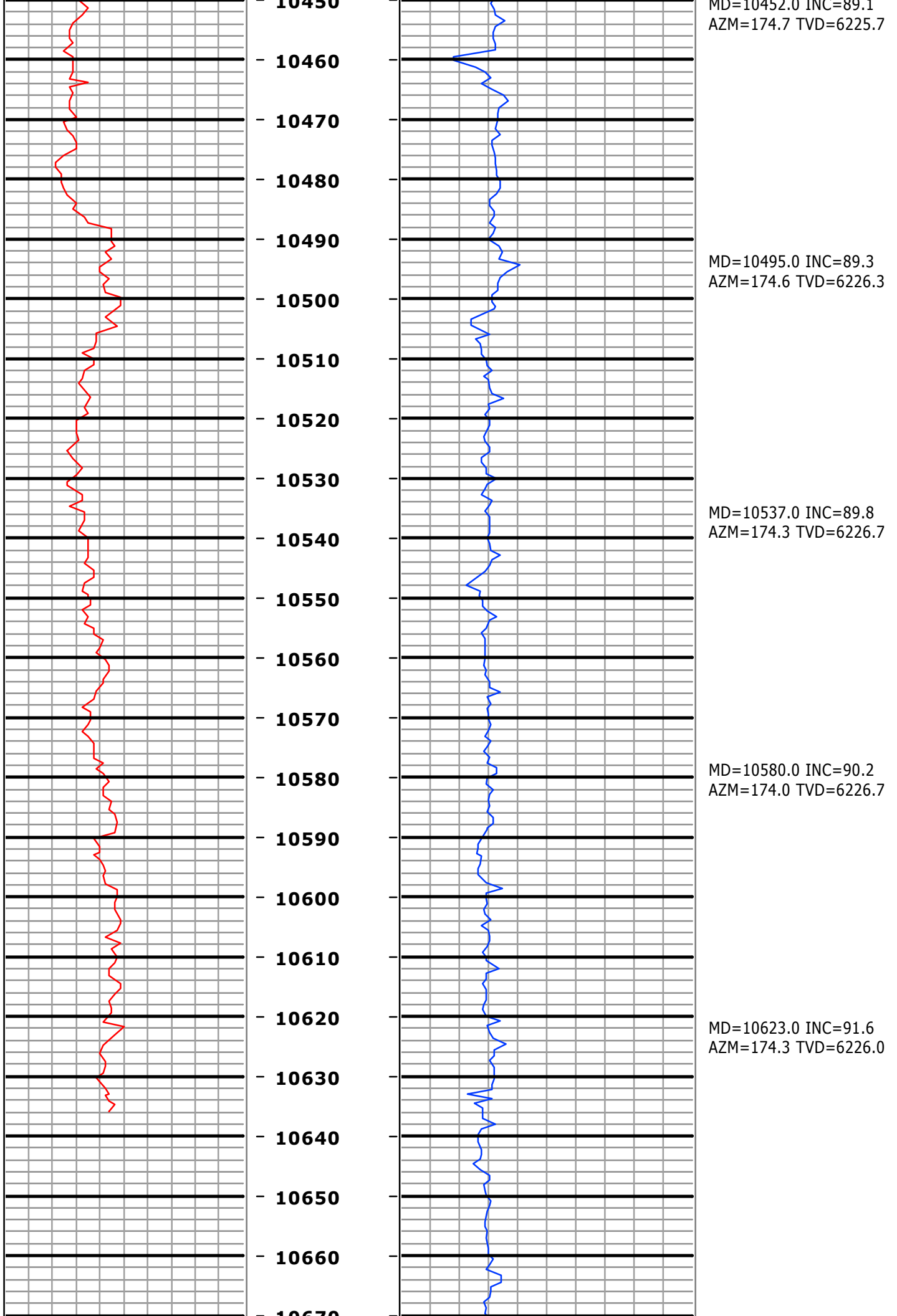


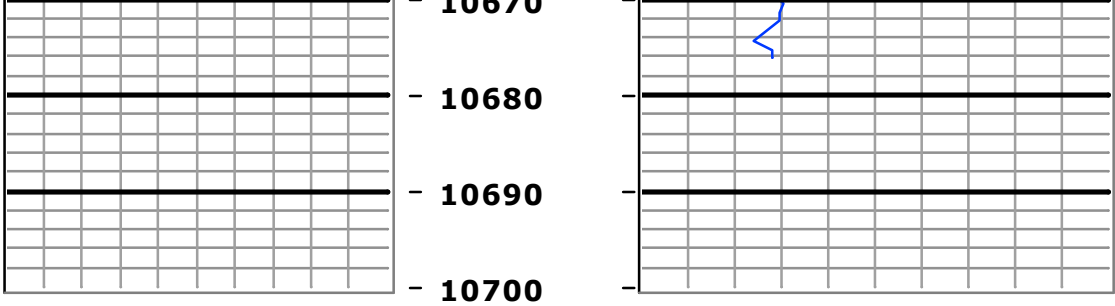












0	Gamma [AAPI]	200
200	Gamma [AAPI]	400

Feet
5":100'
MD

0	ROP [ft per hr]	500
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