


























































OPERATOR: WINDSOR ENERGY GROUP
WELL: CSF 23-07-07-91
LOCATION: SEC. 7, T7N, R91W
COUNTY: GARFIELD
STATE: COLORADO
SPOT: 610' FSL, 2261' FWL
ELEVATION: KB: 6985' GL: 6953'
FIELD: MAMM CREEK
SPUD DATE: JUNE 23, 2006

TD DATE: JULY 08, 2006
DATES LOGGED: 06/26/2006- 07/08/2006
DEPTHS LOGGED: 143' - 7169' MD
LOGGERS: SCOTT SCHMIDT
DRILLING FLUID: LSND
DRILLING RIG: BRONCO #4
API#: 050451220000
SCALE: 1:240 (5.0 INCH/100 FT)

REMARKS:

LITHOLOGIES

	SANDSTONE		SILTSTONE		SHALE		COAL		BENTONITE
	LIMESTONE		DOLOMITE		ANHYDRITE		CHERT		SALT
	CONGLOMERATE		TUFF		ALLUVIUM		METAMORPHIC		GLACIAL TILL
	DARK CHERT		WELDED TUFF		ARGILLACEOUS LIMESTONE		LIME MUDSTONE		CRYSTALLINE LIMESTONE
	LIME BOUNDSTONE		LIME GRAINSTONE		LIME PACKSTONE		LIME WACKESTONE		DOLOMITIC LIMESTONE
	CALCEROUS DOLOMITE		ARGILLACEOUS DOLOMITE		DOLOMITIC MUDSTONE		CRYSTALLINE DOLOMITE		DOLOMITIC BOUNDSTONE
	DOLOMITIC GRAINSTONE		DOLOMITIC PACKSTONE		DOLOMITIC WACKESTONE		SHALY SANDSTONE		CLAYSTONE
	GRAY CLAYSTONE		COLOR CLAYSTONE		VOLCANICS		BRIGHT COAL		INTERMEDIATE COAL
	DULL COAL		COALY SHALE		NON-COAL		GRANITE		BRECCIA
	MARL		DOLOMITIC MARL		CARBONACEOUS SHALE		CHALK		GYPSUM
	UNABLE TO INTERPRET		NO SAMPLE		BLACK SHALE		COLOR SHALE		GRAY SHALE
	SILTY SHALE		SHALY SILTSTONE						

MODIFIERS

AHYDRITE STRINGERS	ALGAE, LAMINATED	ALGAE, NON-DESCRIPT	ALGAE, OOTOID	ALGAE, SKELETAL	AMPHIPORA
ANHYDRITIC	ARGILLACEOUS	ARGILLITE GRAIN	BELEMNITE	BENTONITE	BIOCLAST/ FRAGMENTAL
BRACHIOPOD	BRECCIA	BRYOZOA	CALCAREOUS	CARBONACEOUS FLAKES	CEMENTING BITUMENOUS
CEPHALOPOD	CHERT, DARK	CHERT, LIGHT	CHERT, TRIPOLITIC	COAL	CORAL
CRINOID	CRYSTALS	DOLOMITE STRINGERS	DOLOMITIC	ECHINOID	FELDSPAR
FERRUGINOUS GRAINS	FERRUGINOUS STRINGERS	FERRUGINOUS	FISH REMAINS	FORAMINIFERA	FOSSILS
FRACTURES	GASTROPOD	GLAUCONITE	GYPSIFEROUS	GYPSUM STRINGERS	HEAVY/DARK MINERALS
INTRACLASTS	KAOLIN	LIMESTONE STRINGERS	LIMONITE	MARLSTONE, CALCAREOUS	MARLSTONE, DOLOMITIC
MICACEOUS	NODULES	OOLITES	OSTRACOD	PEBBLES	PELECYPOD
PELLETS	PHOSPHATE PELLETS	PISOLITE	PLANT REMAINS	PYRITE	SALT CAST/INFILL
SAND GRAINS	SANDSTONE STRINGERS	SANDY	SCAPHOPOD	SHALE LAMINAE	SILICEOUS
SILTSTONE STRINGERS	SILTY	SLICKENSIDE	SPORES	STROMATOPOROID	STYLOLITE
TUFFACEOUS	BITUMEN	SULPHUR			

POROSITY/SORTING/ROUNDNESS SYMBOLS

INTERCRYSTALLINE INTERGRANULAR	VUGGY	FRACTURE	INTEROOLITIC	PINPOINT	ORGANIC
MOLDIC	EARTHY	FENESTRAL			
VERY POOR	POOR	MODERATE	MODERATLY WELL	WELL	VERY WELL
ANGULAR	SUBANGULAR	SUBROUNDED	ROUNDED		

ENGINEERING SYMBOLS

BIT CHANGE	LOST CIRCULATION	CASING	CASING	SIDEWALL CORE	SIDEWALL CORE
WIRELINE TEST	WIRELINE TEST	GAS TO SURFACE	OIL TO SURFACE	WATER TO SURFACE	EVEN STAINING
SPOTTED STAINING	DEAD OIL	QUESTIONABLE	OIL SHOW	GAS SHOW	OIL AND GAS SHOW
CONNECTION GAS	TRIP GAS	MIDNIGHT DEPTH	MIDNIGHT DEPTH	CONNECTION	OFF BOTTOM
NORMAL FAULT	REVERSE FAULT	OVERTURNED STRATA	ARROW	ARROW	
CORE RECOVERED	CORE LOST	DST INTERVAL	ROTATING	SLIDING	CANISTER

ABBREVIATIONS

CB - CORE BIT	CG - CONNECTION GAS	CO - CIRCULATE OUT	DST - DRILL STEM TEST
DTG - DOWNTIME GAS	LAT - LOGGED AFTER TRIP	NR - NO RETURNS	NS - NO SAMPLE
PP - PUMP PRESSURE	RPM - REVOLUTIONS/MIN	RR - RE-RUN	SLM - STEEL LINE MEASURE
SPM - STROKES/MIN	TG - TRIP GAS	WOB - WEIGHT ON BIT	

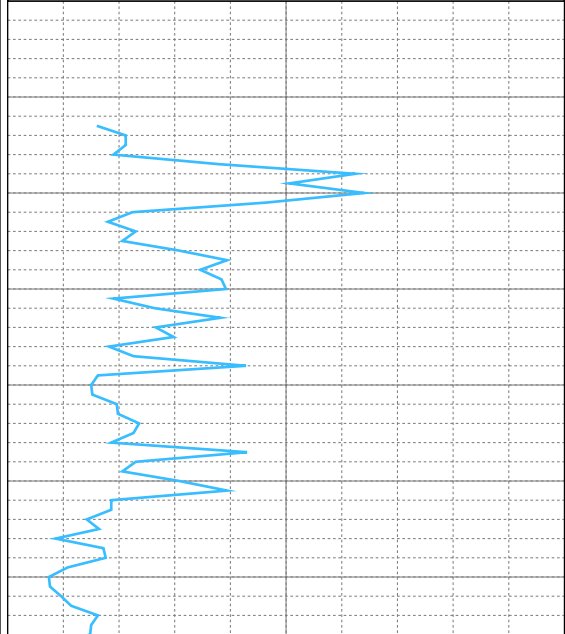
ROP (MIN/FT)

TOTAL GAS (GAS UNITS)

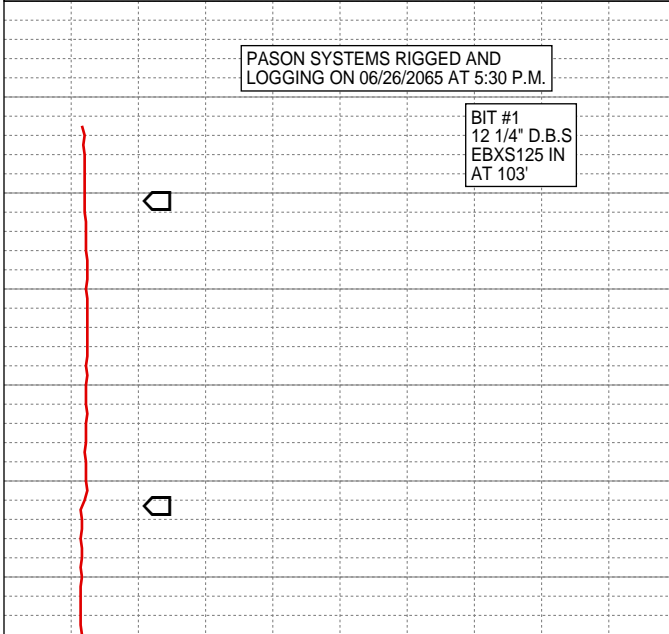
DEPTH
FEET

LITHOLOGY
DESCRIPTIONS

0 MIN/FT 5



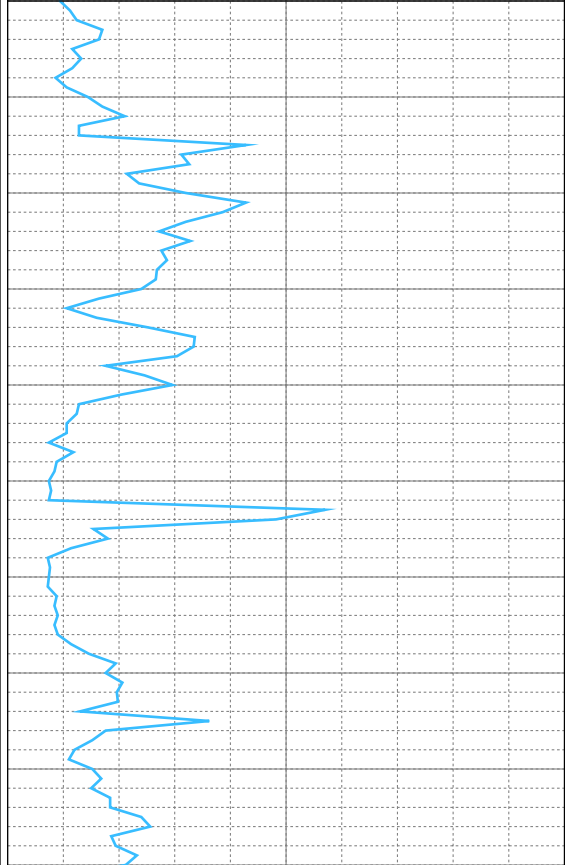
0 GAS UNITS 500



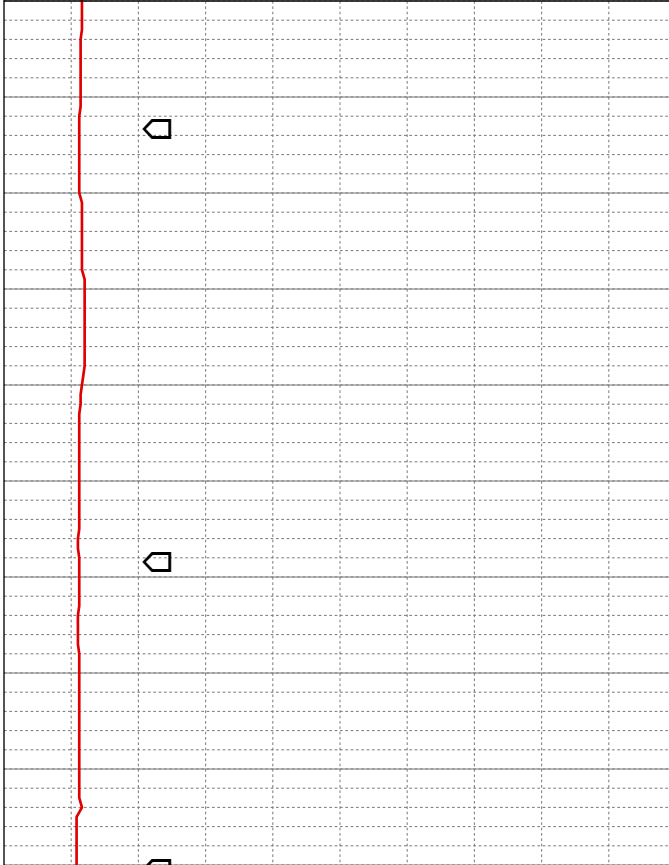
PASON SYSTEMS RIGGED AND
LOGGING ON 06/26/2065 AT 5:30 P.M.

BIT #1
12 1/4" D.B.S
EBXS125 IN
AT 103'

0 MIN/FT 5



0 GAS UNITS 500



200

10

20

30

40

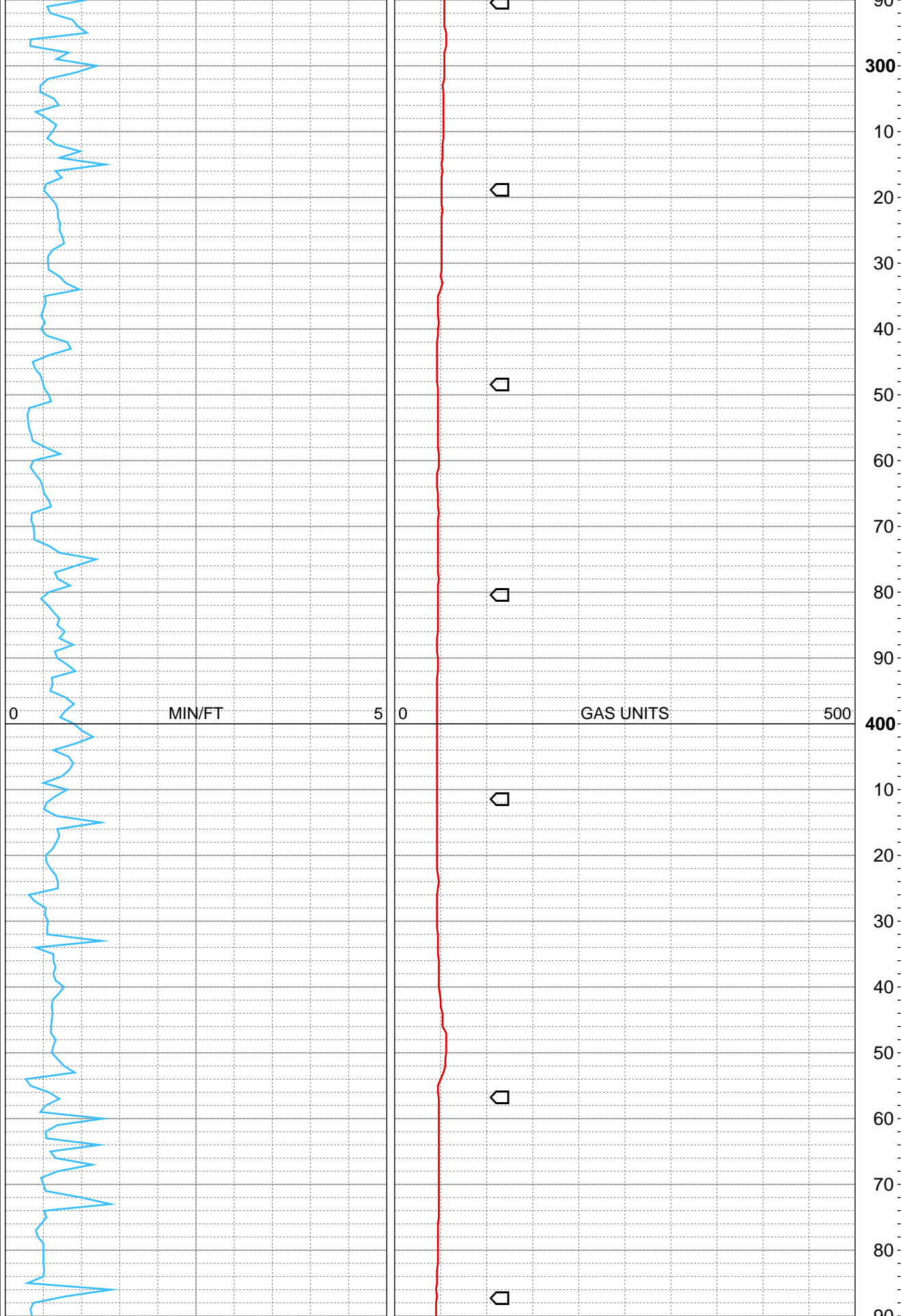
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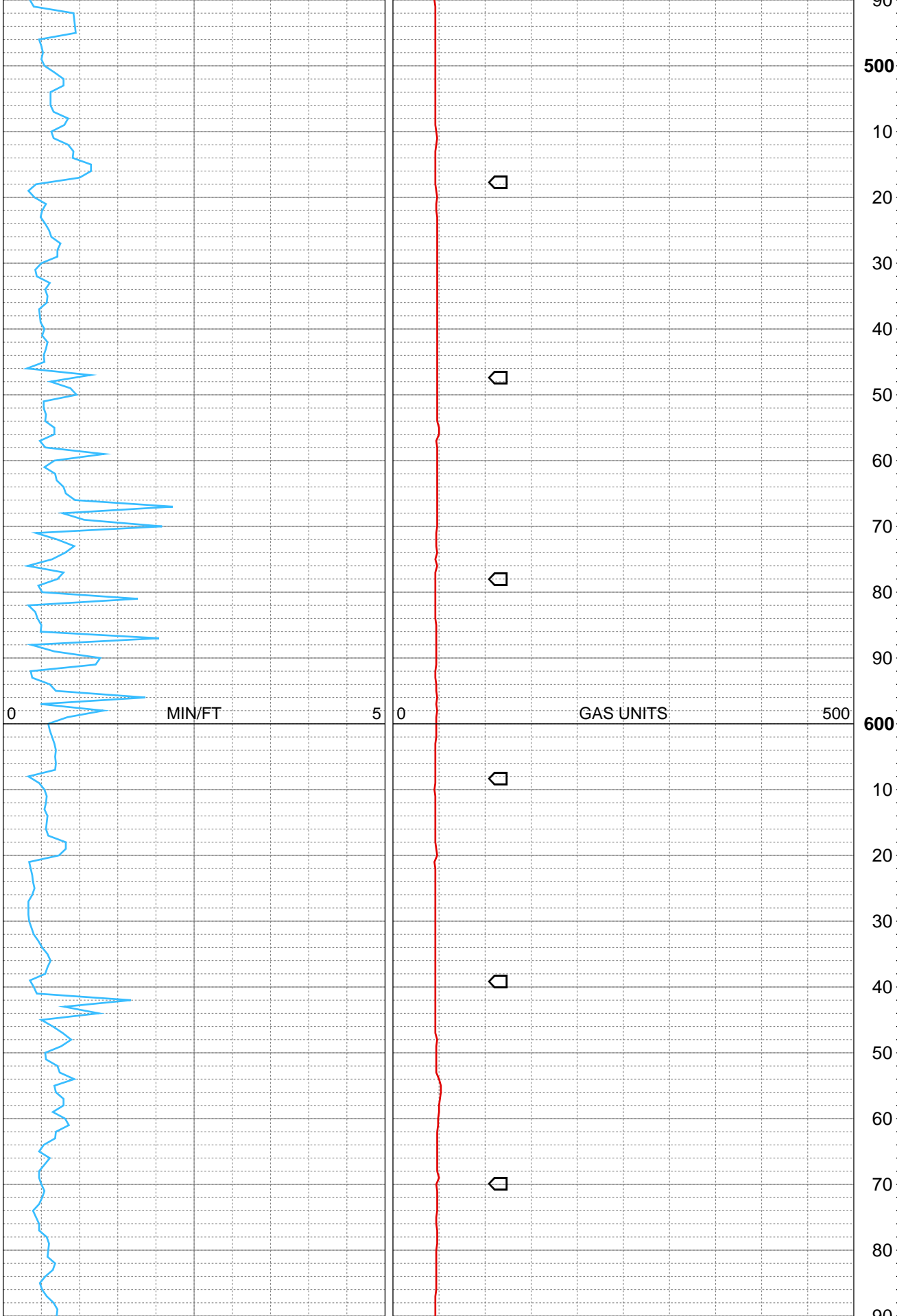
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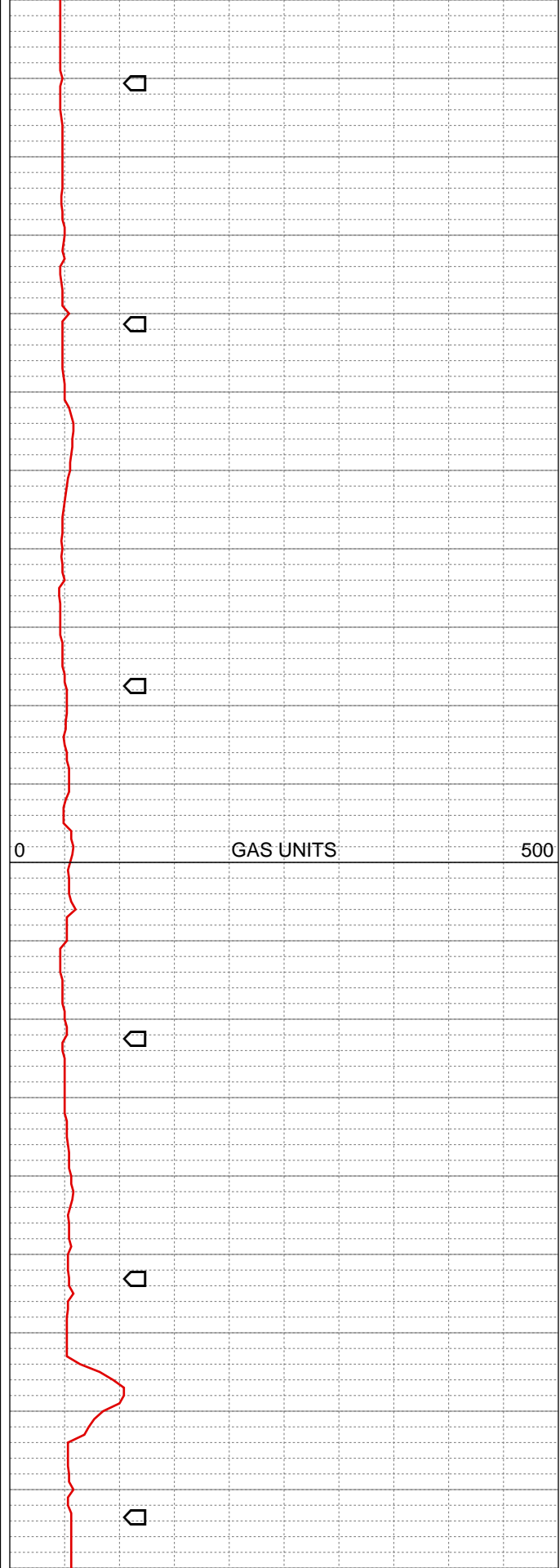
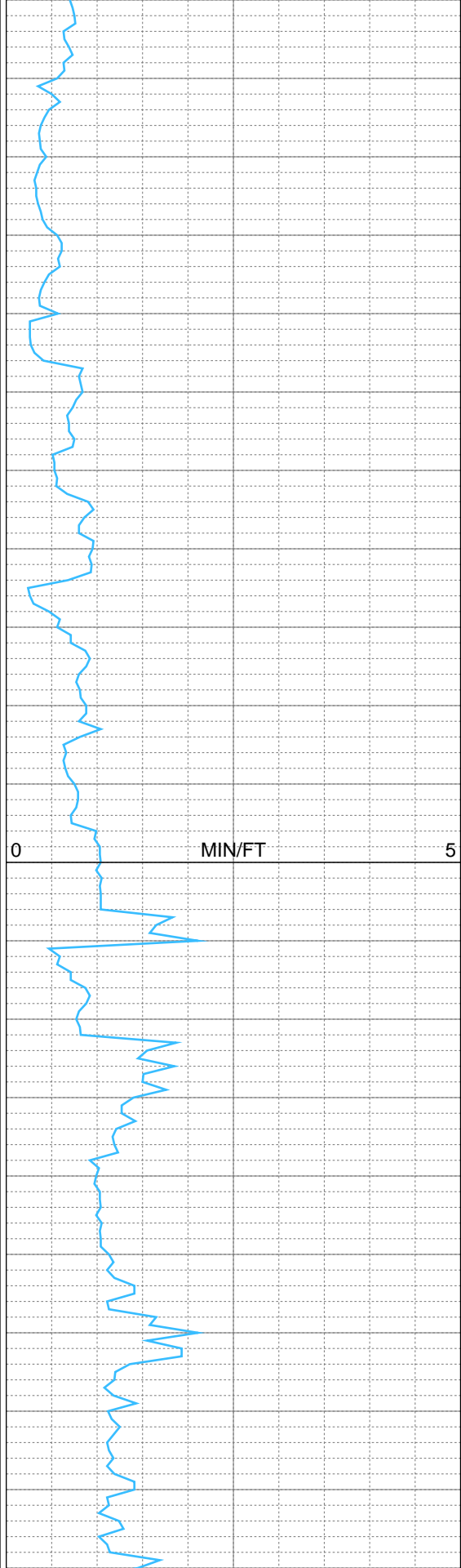
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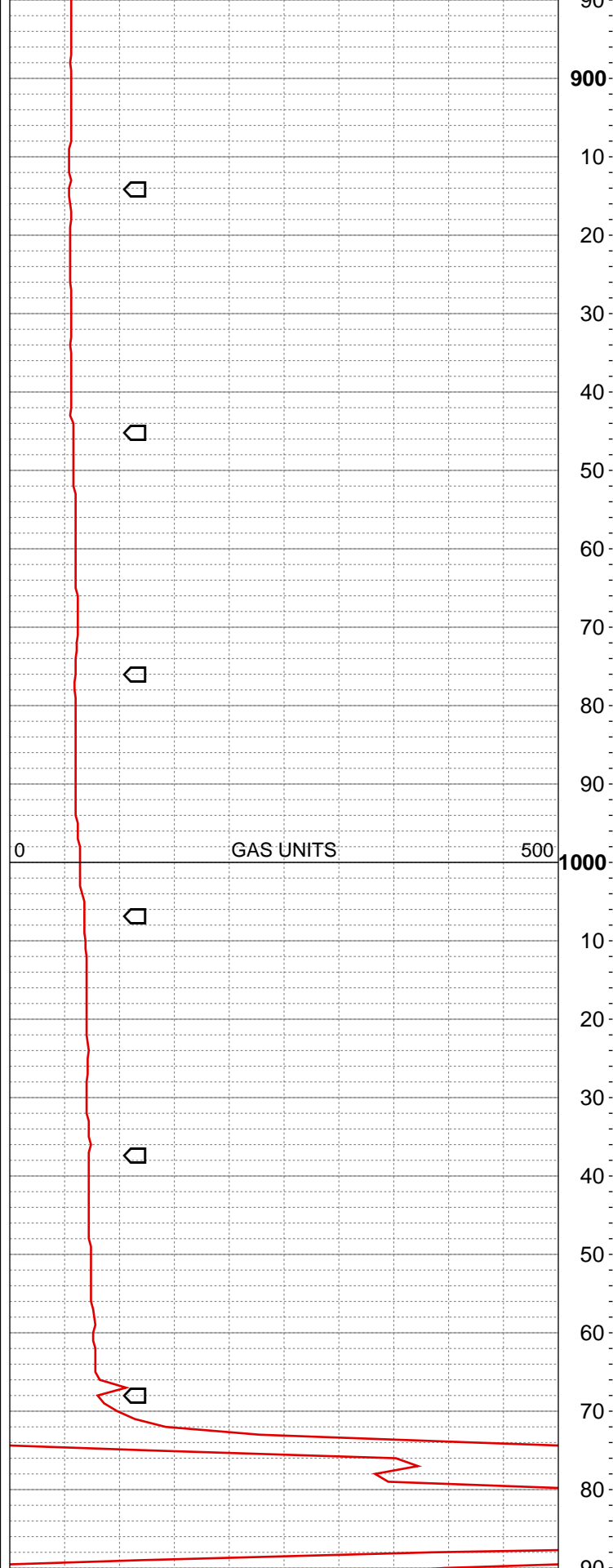
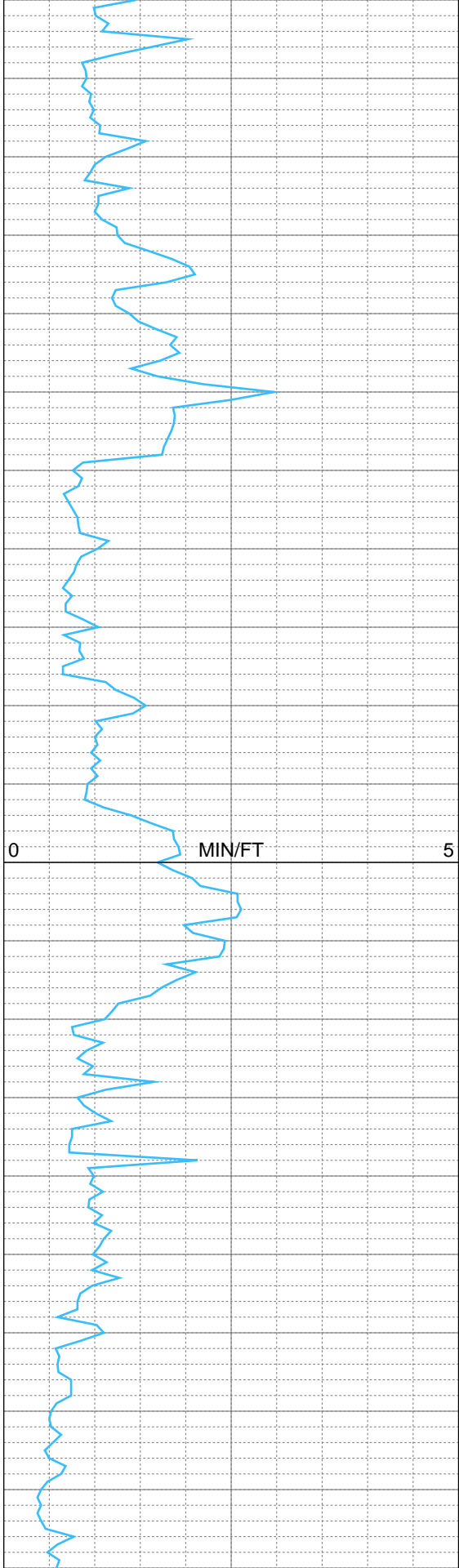
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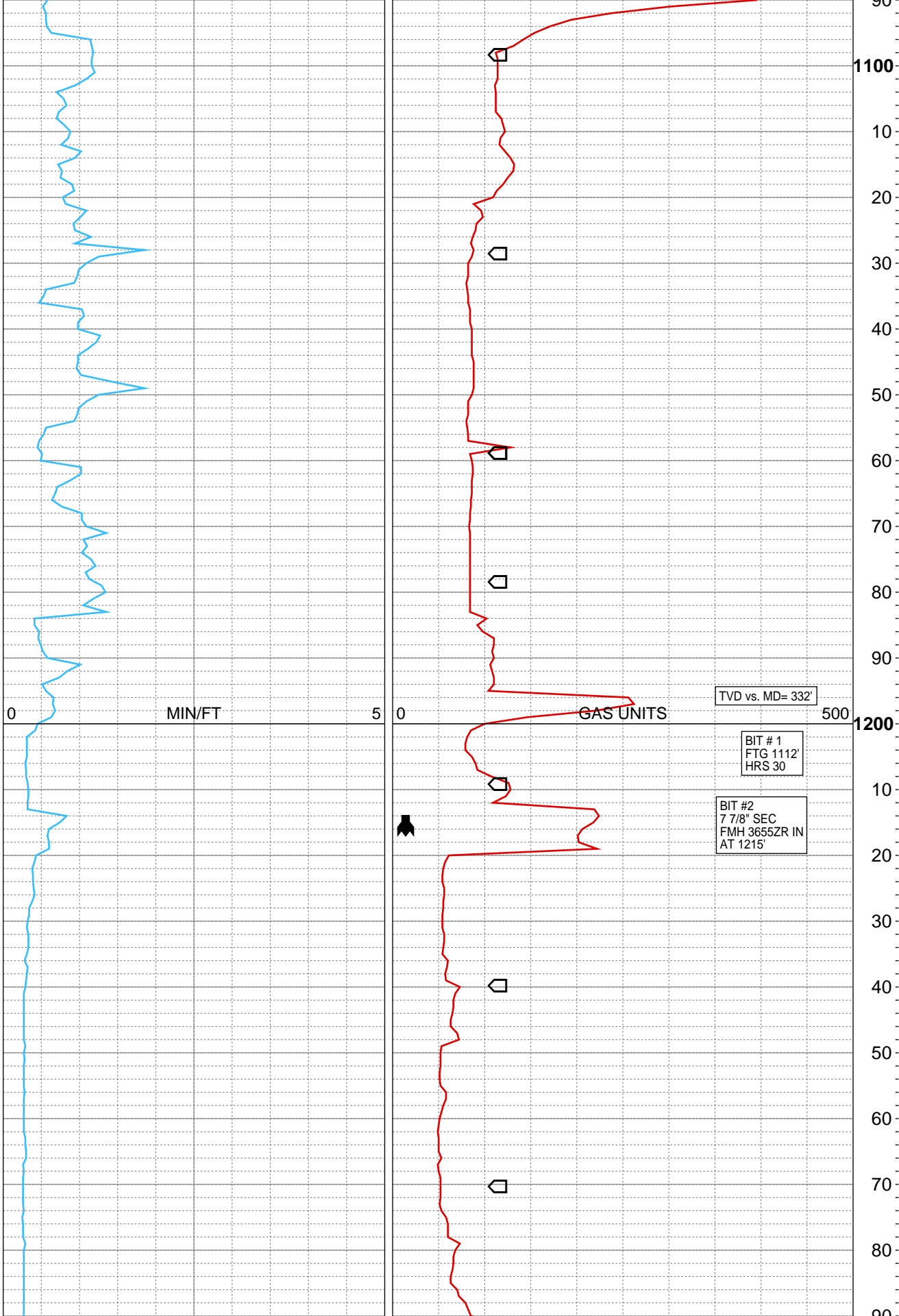
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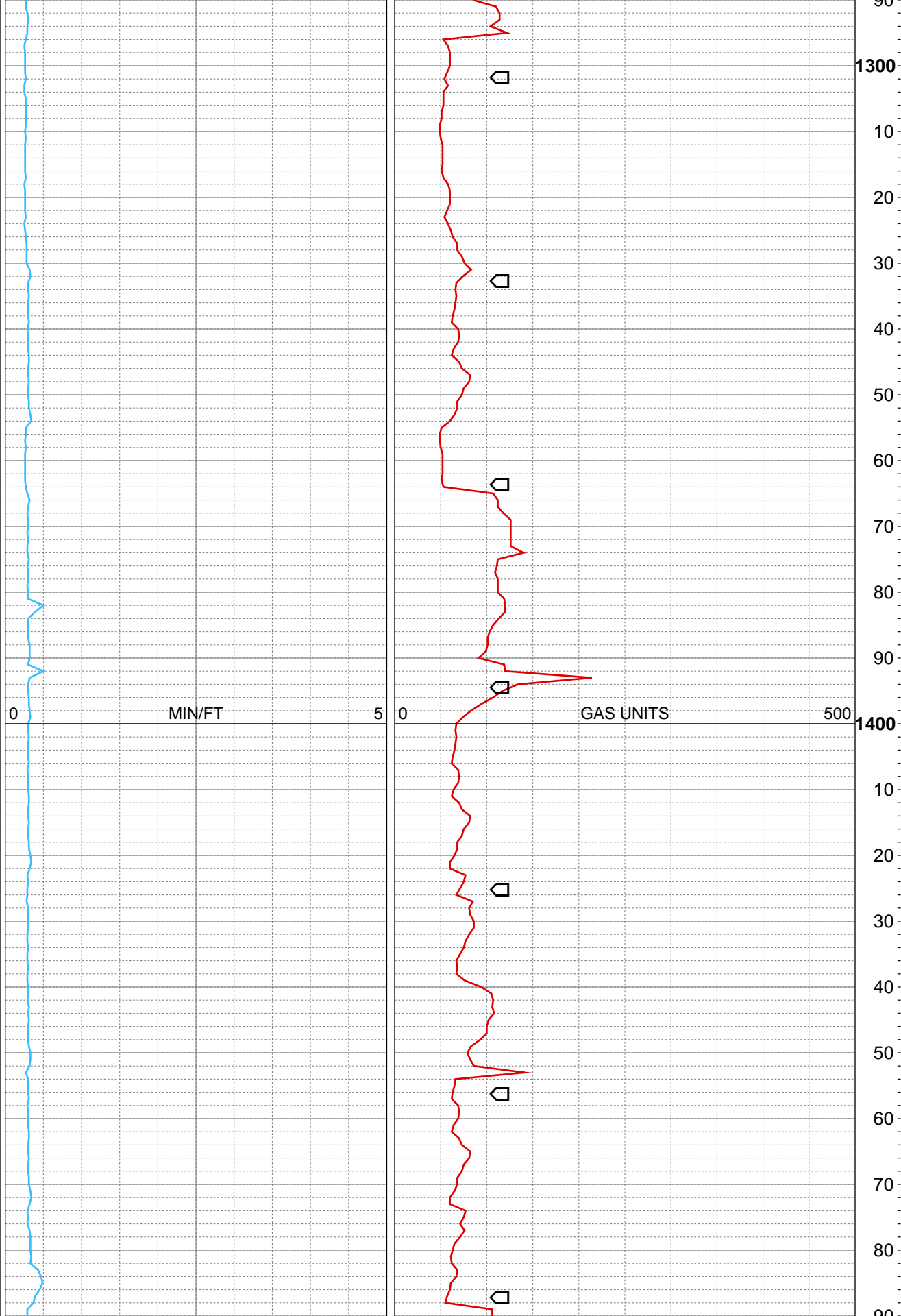


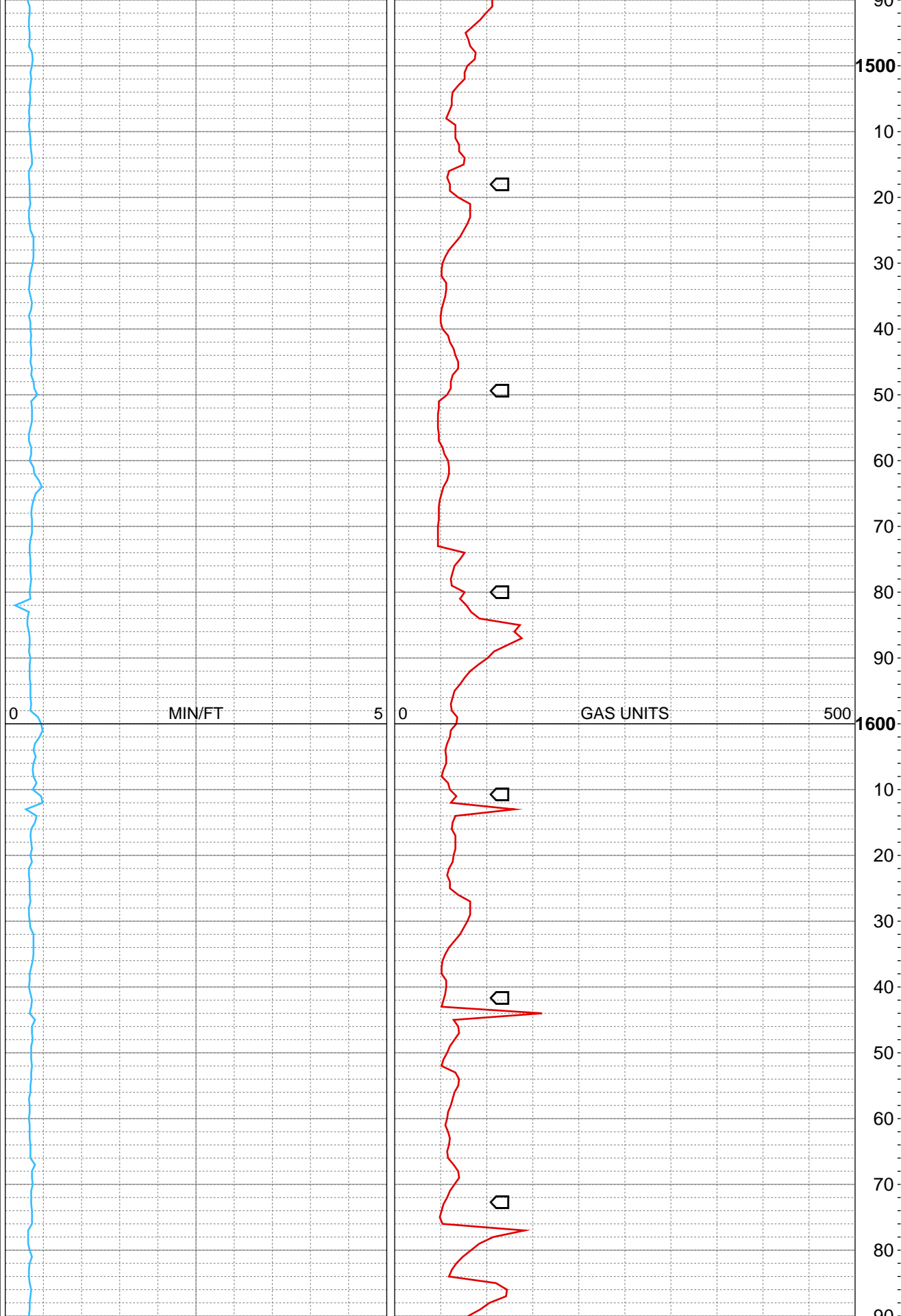


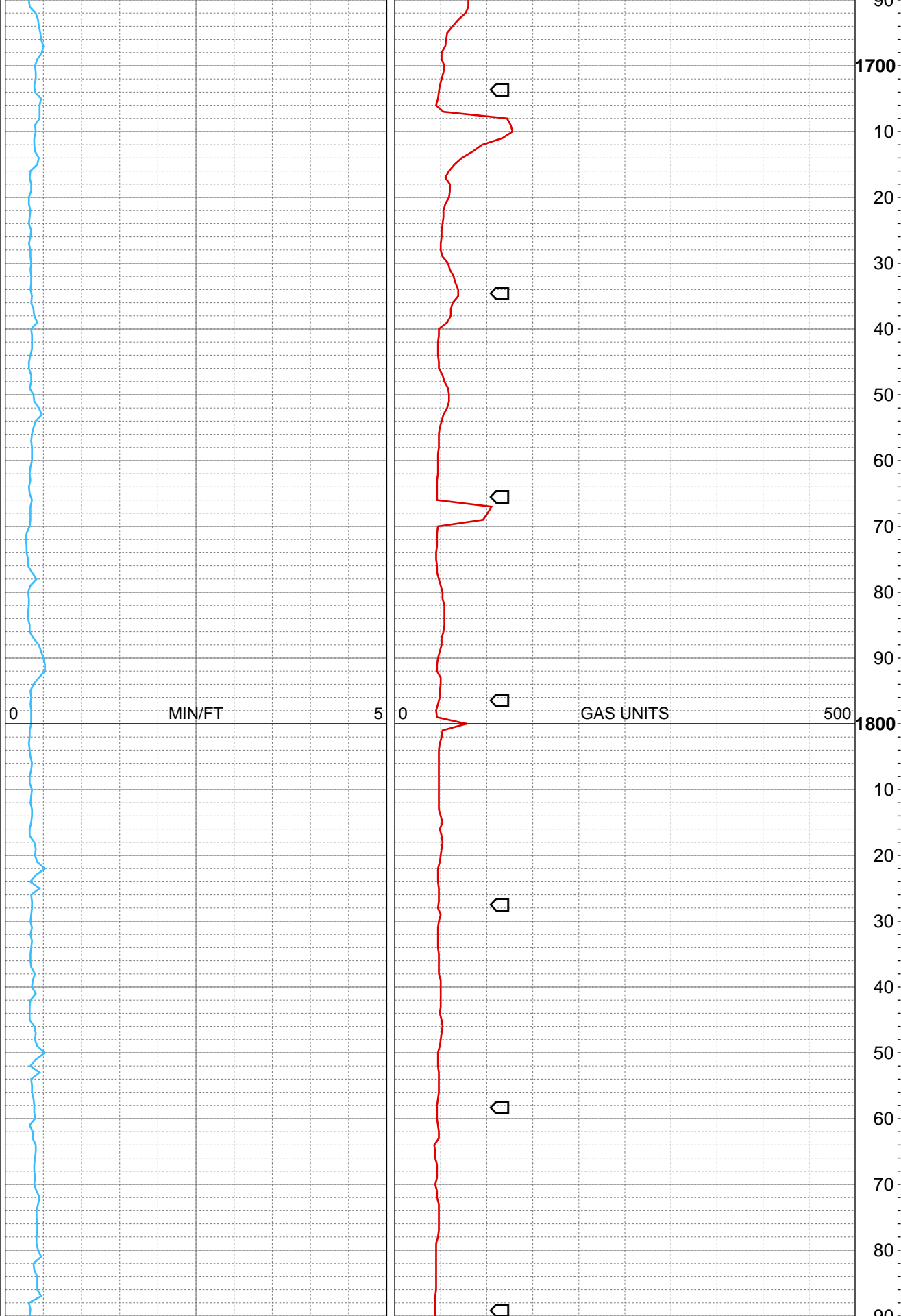


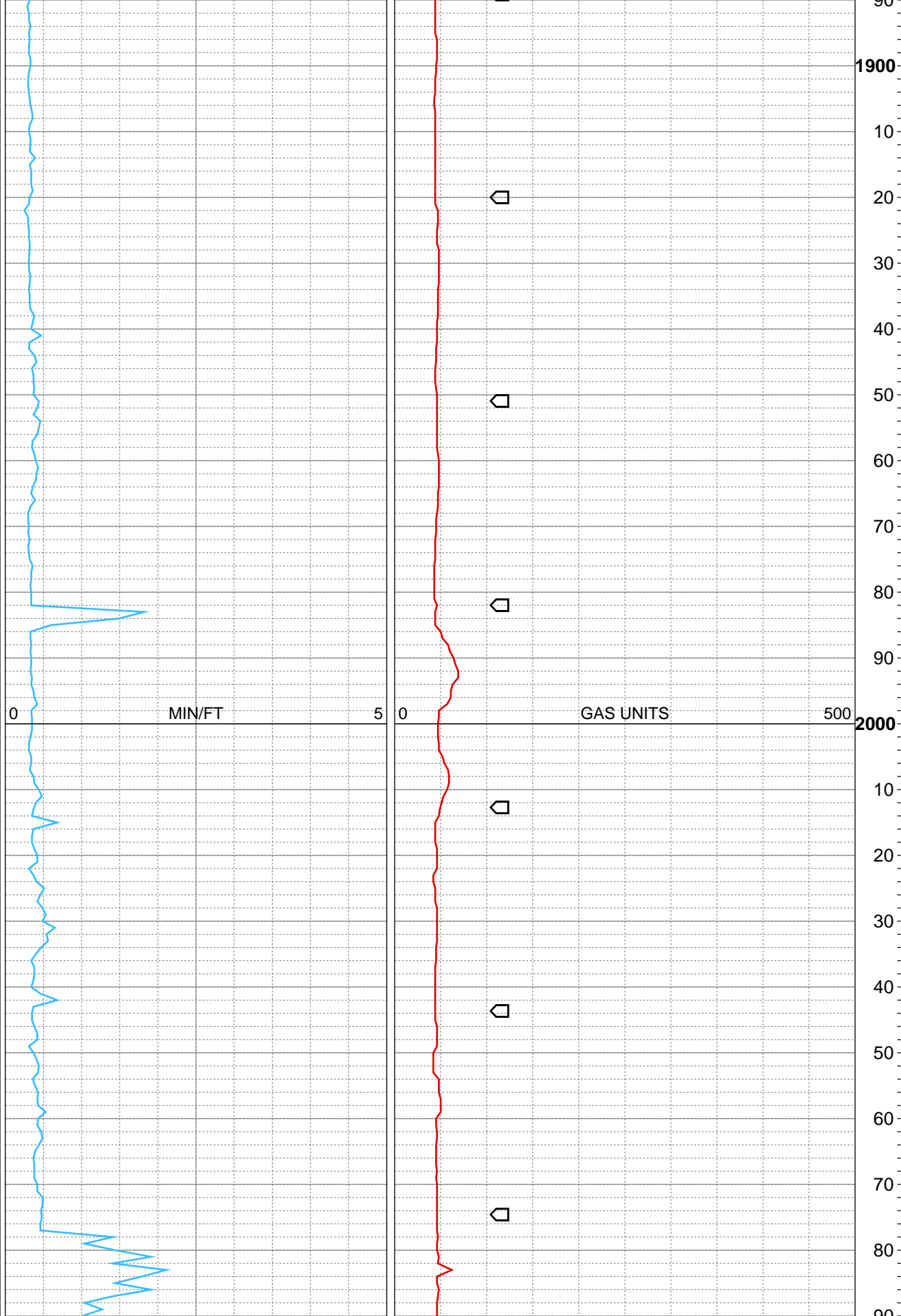


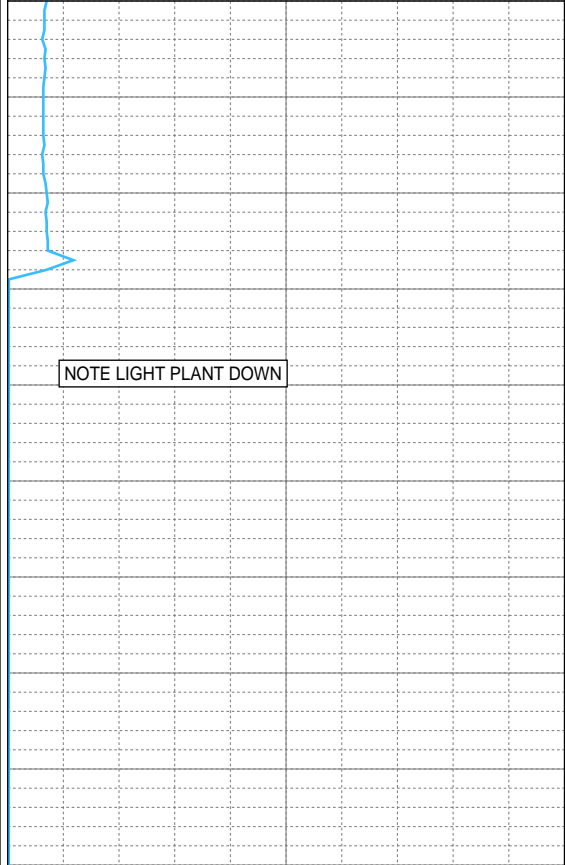
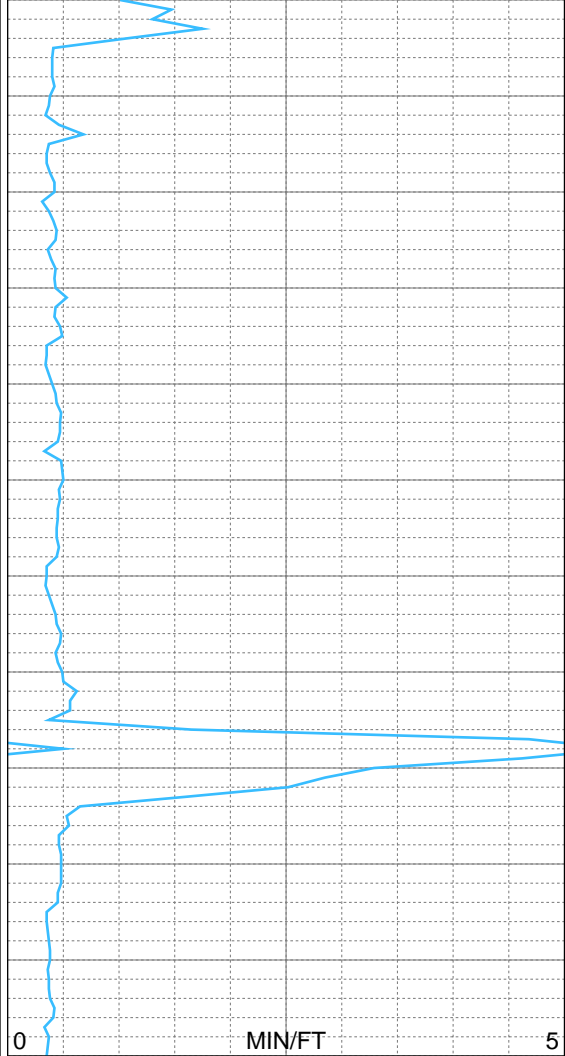




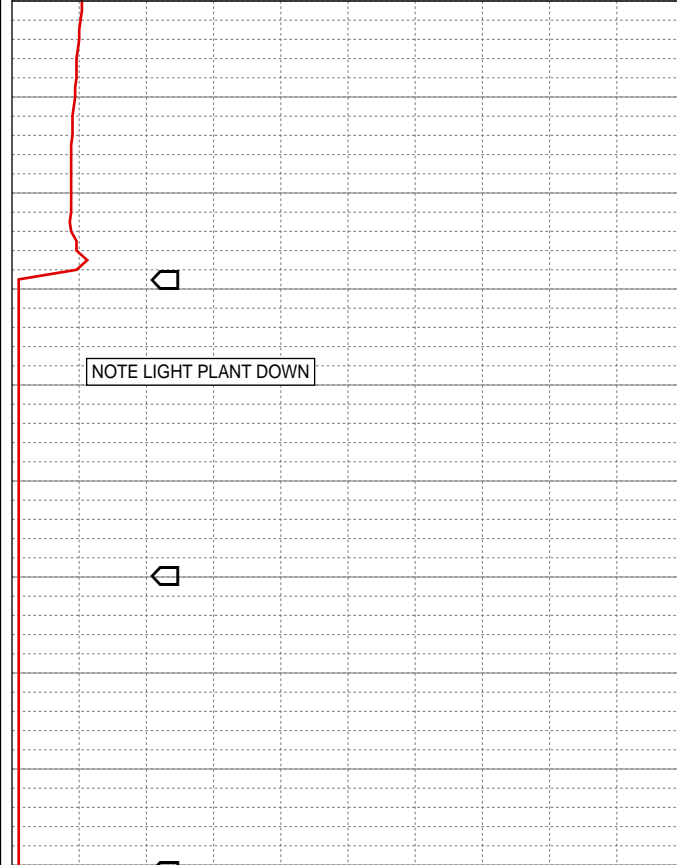
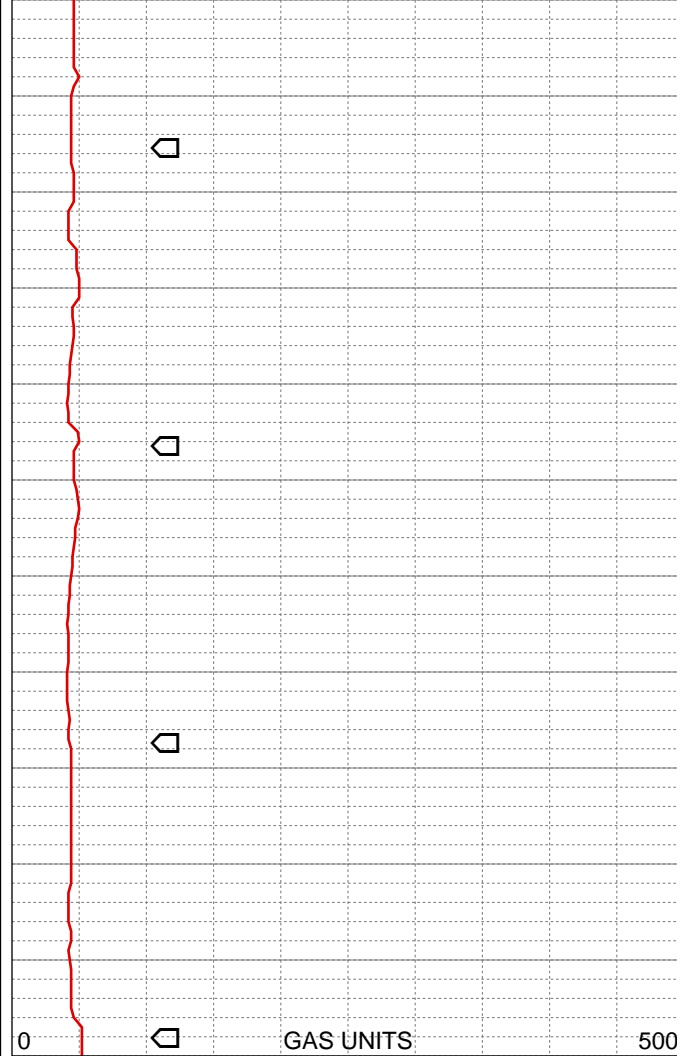




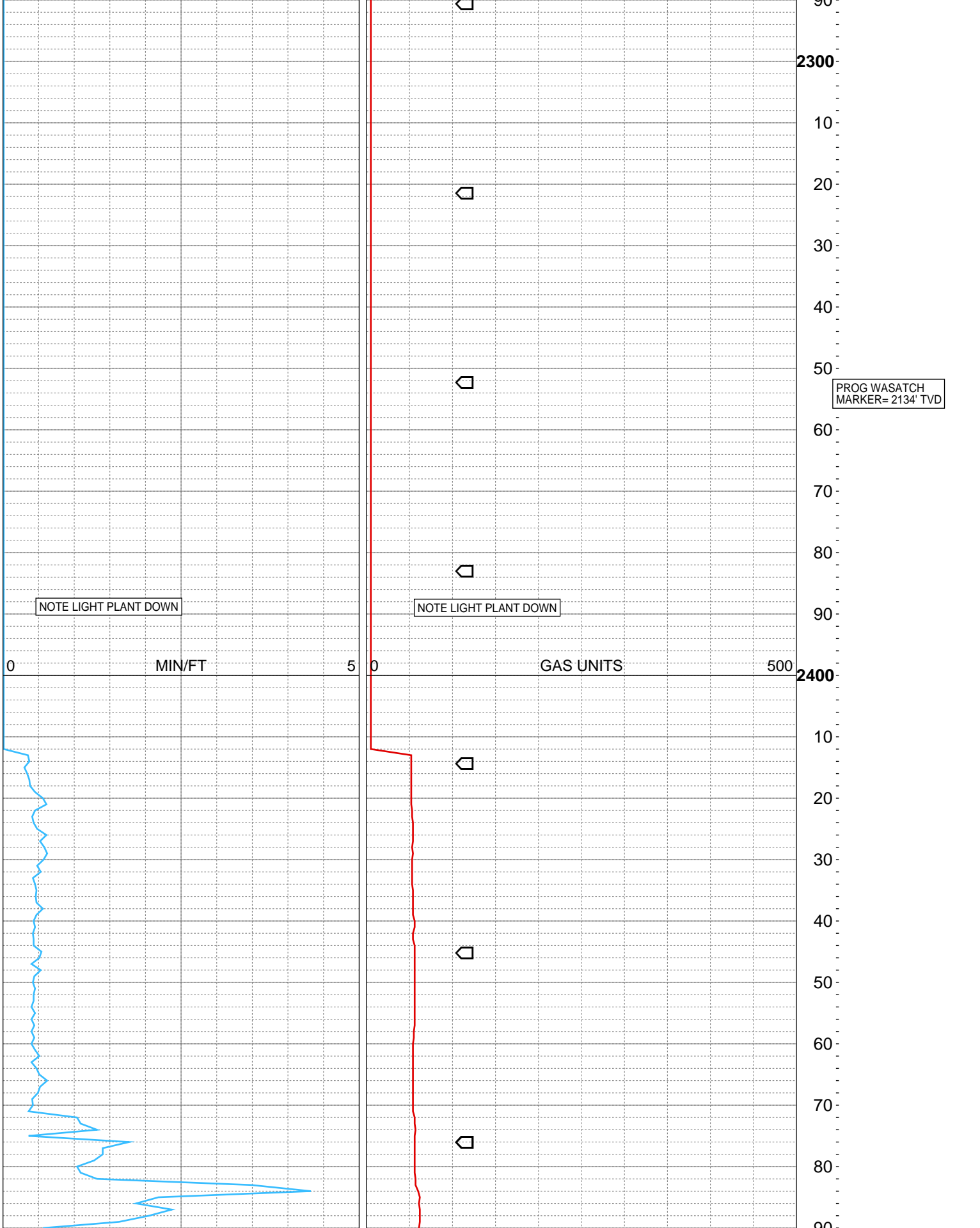


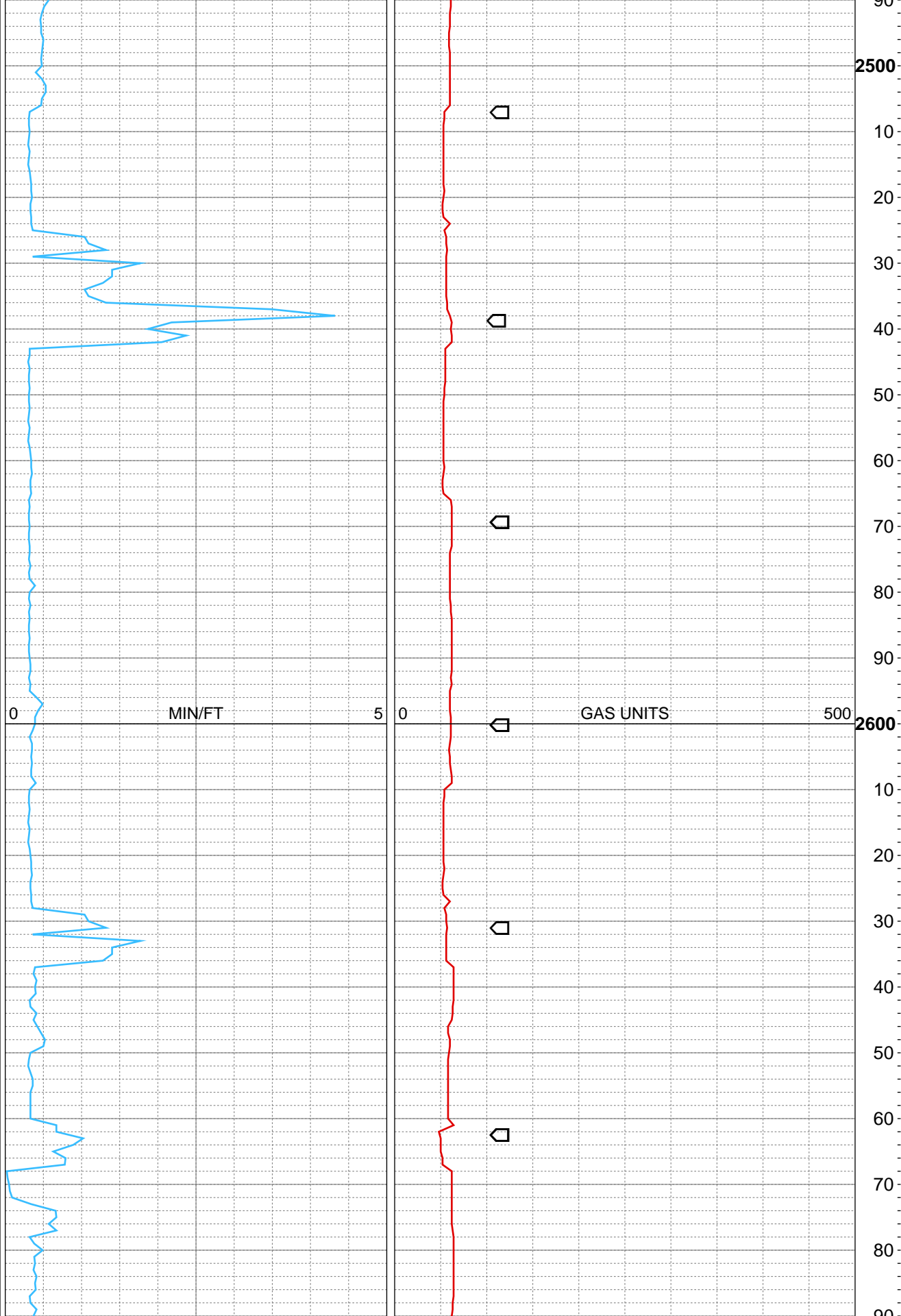


NOTE LIGHT PLANT DOWN



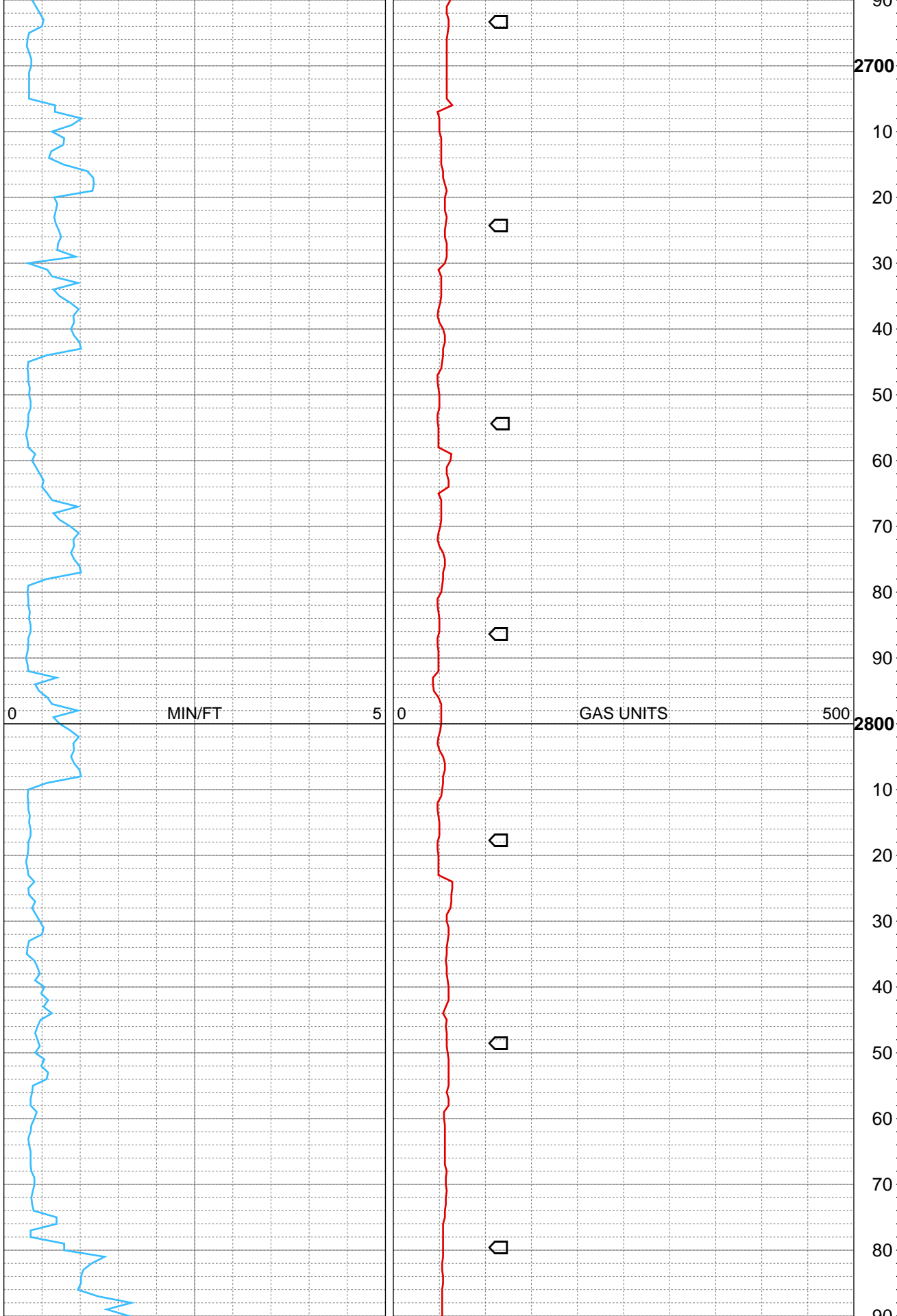
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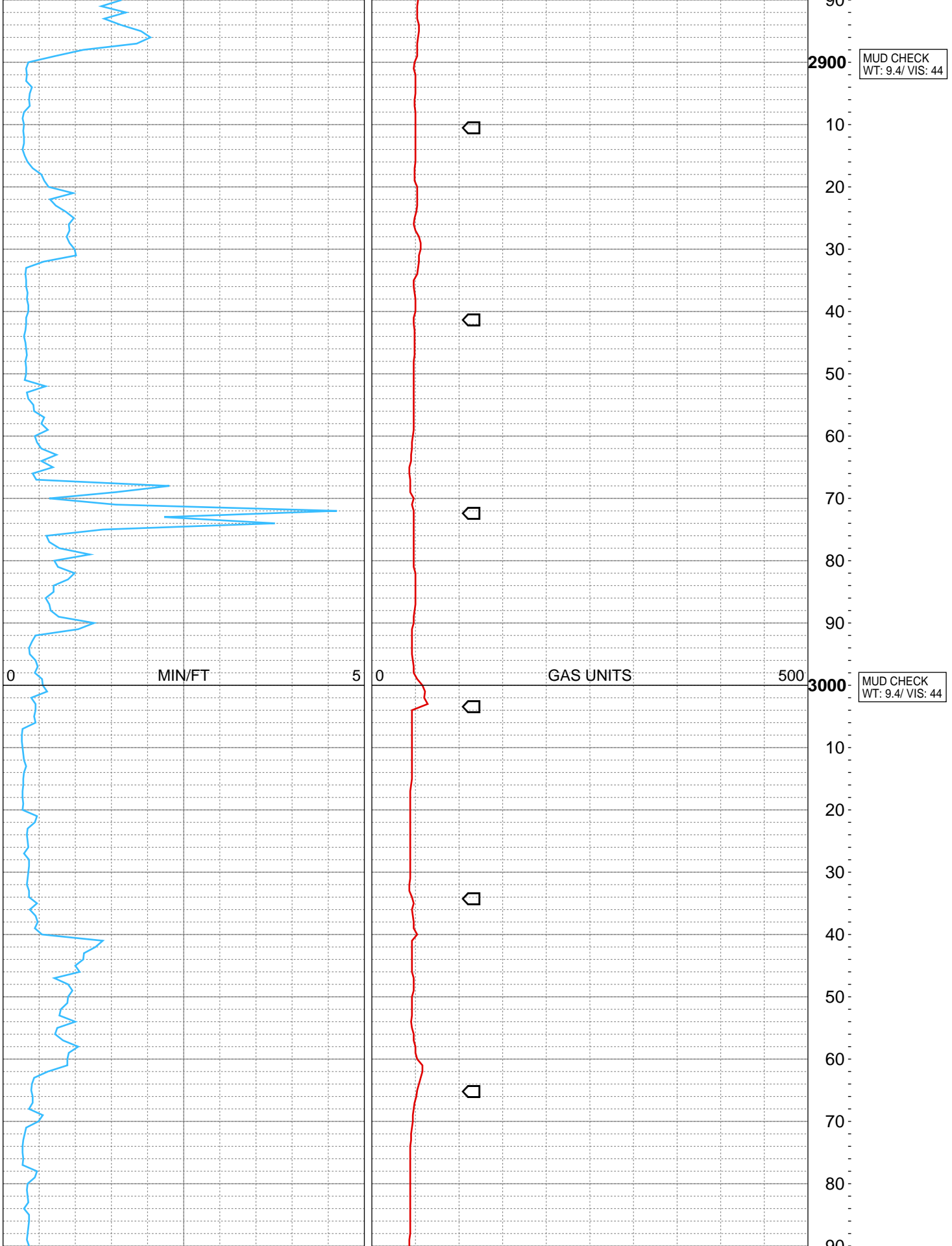


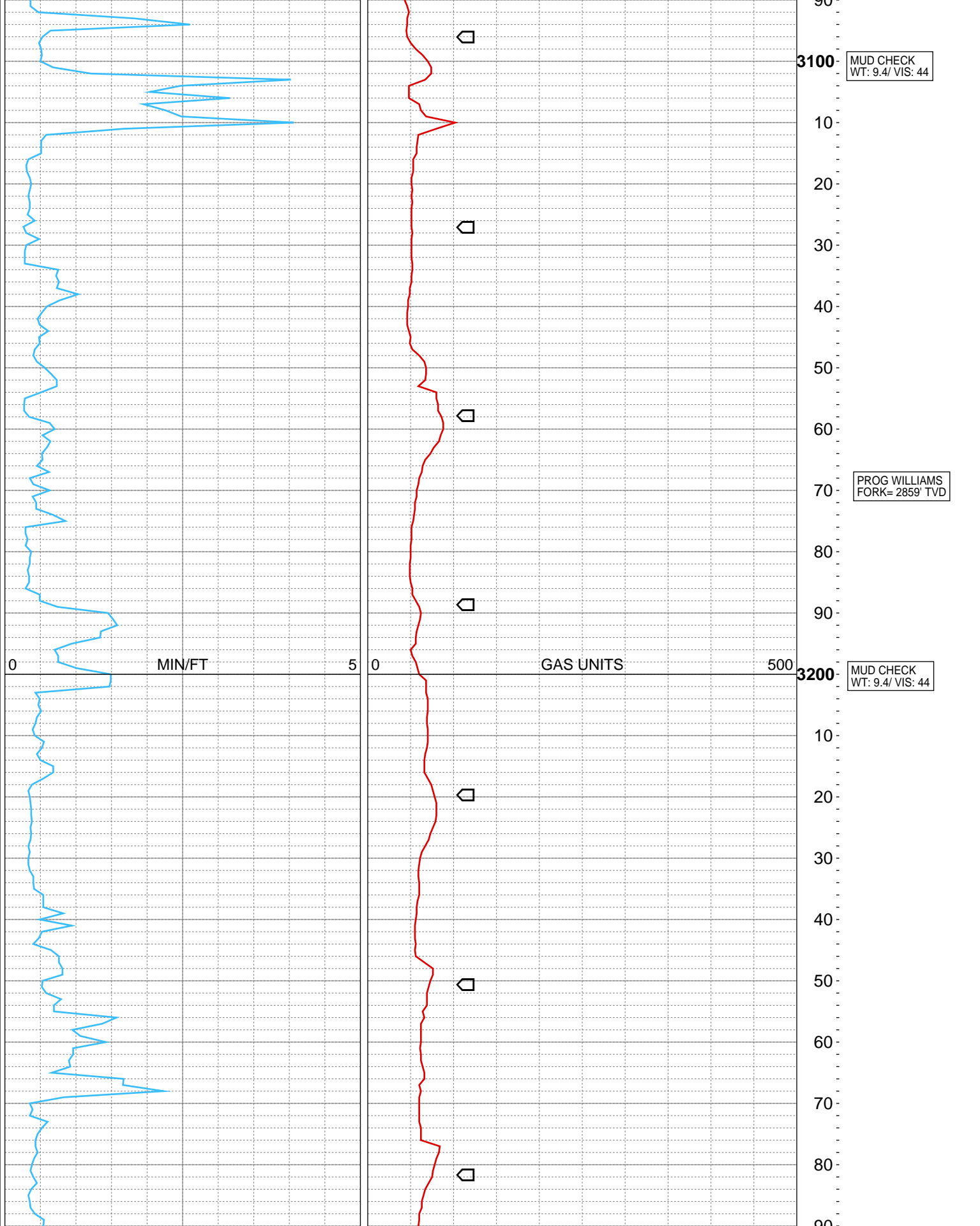


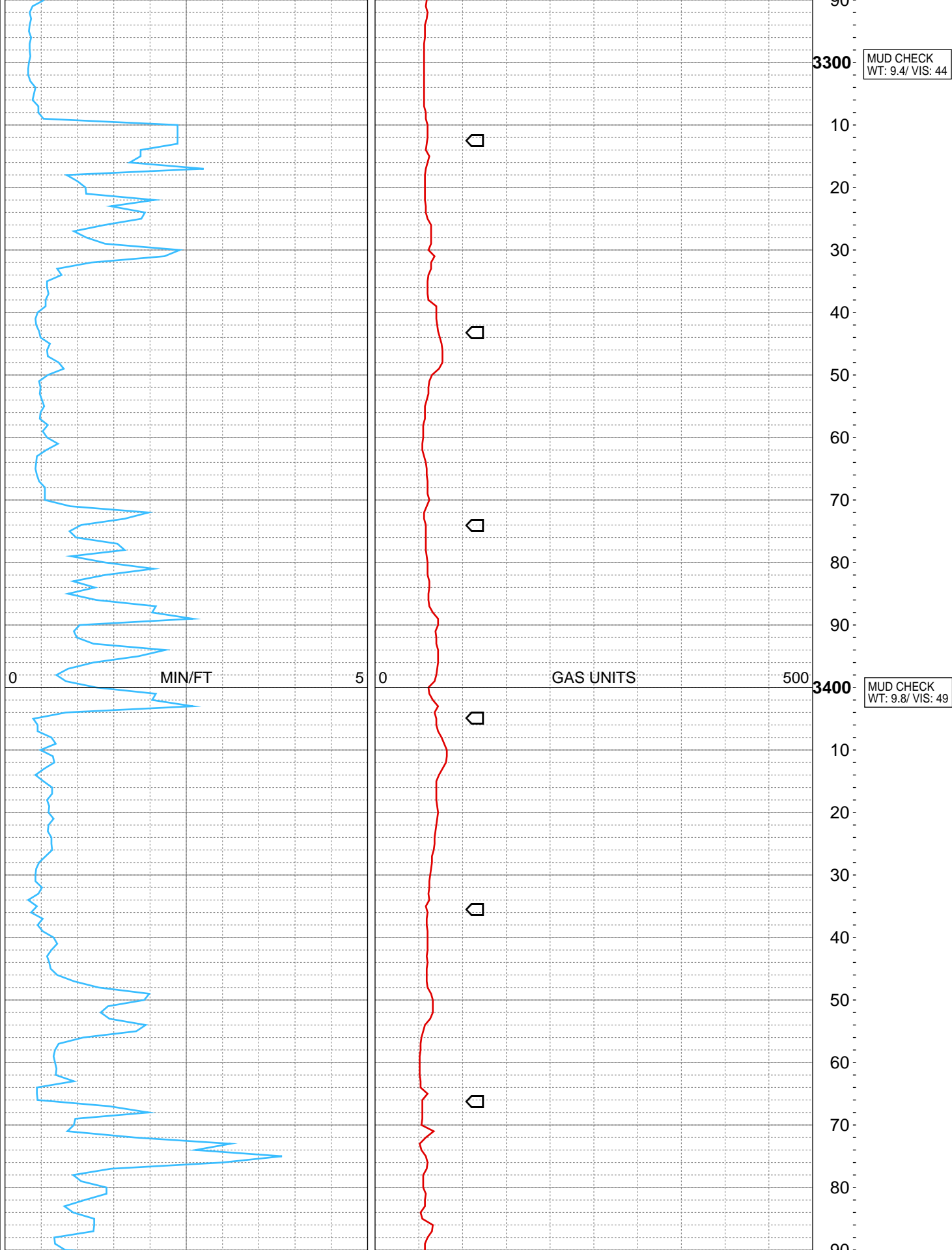
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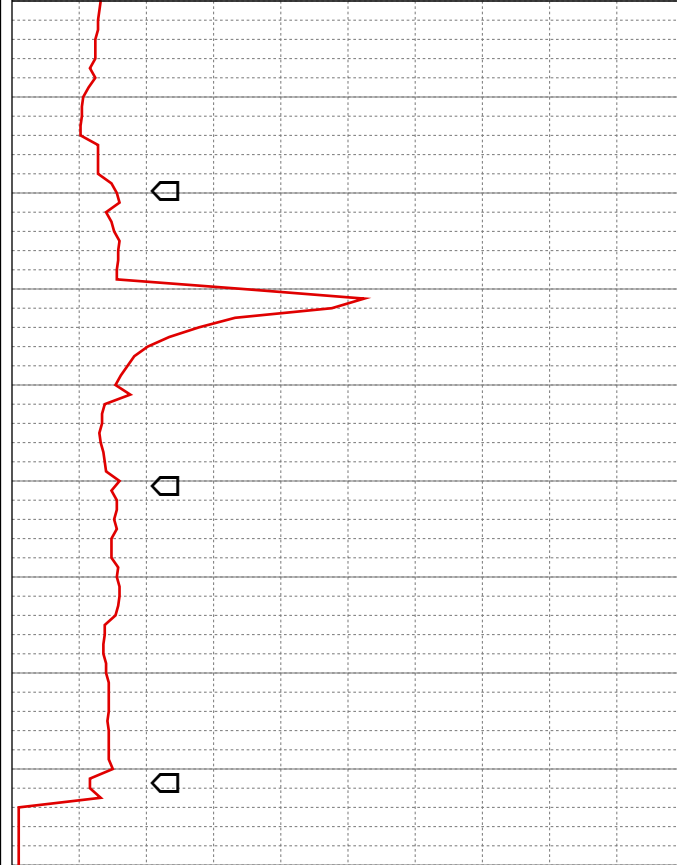
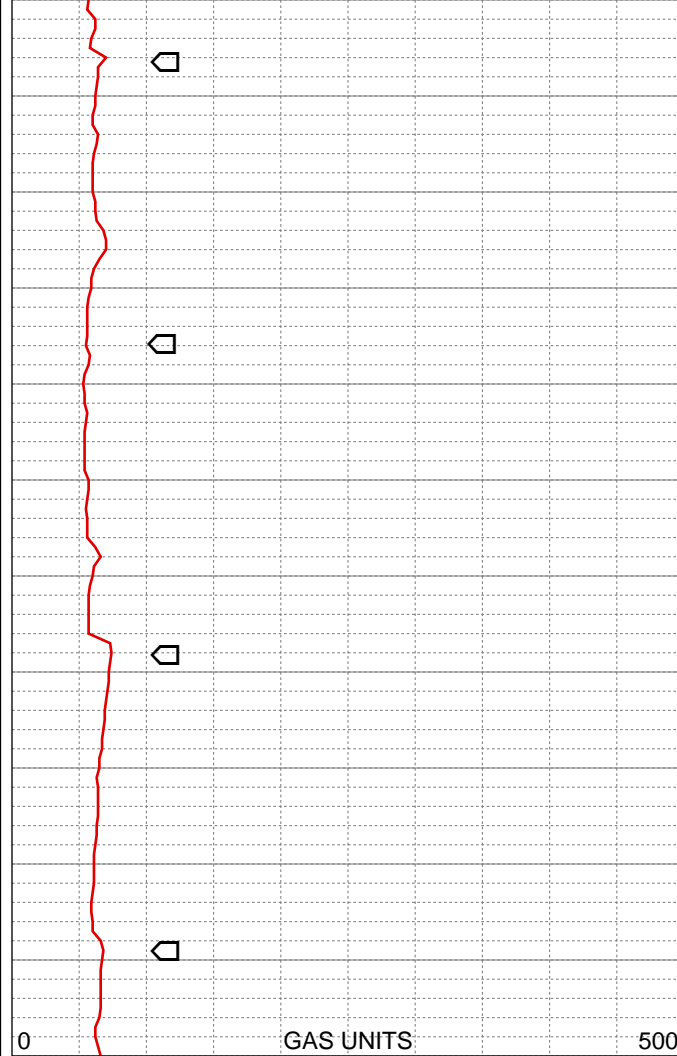
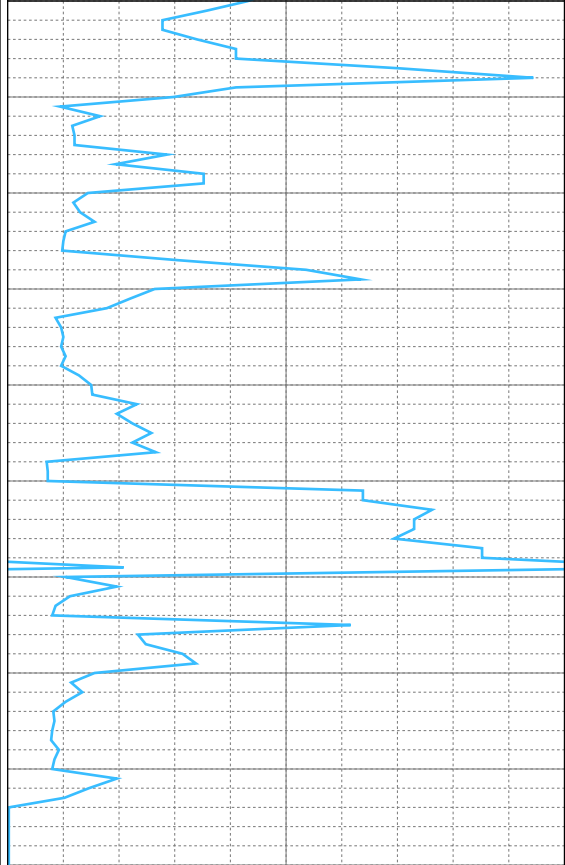
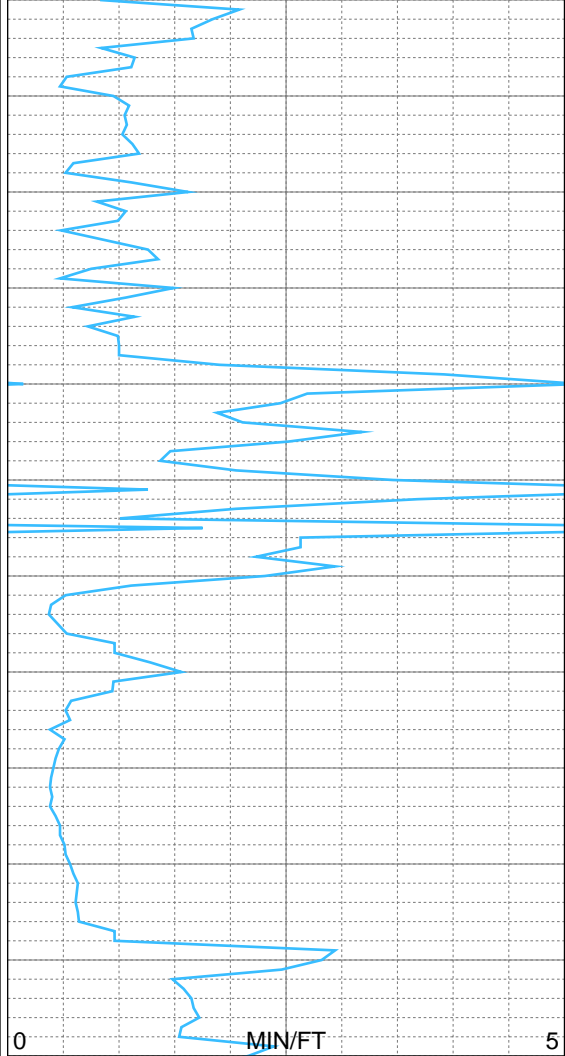
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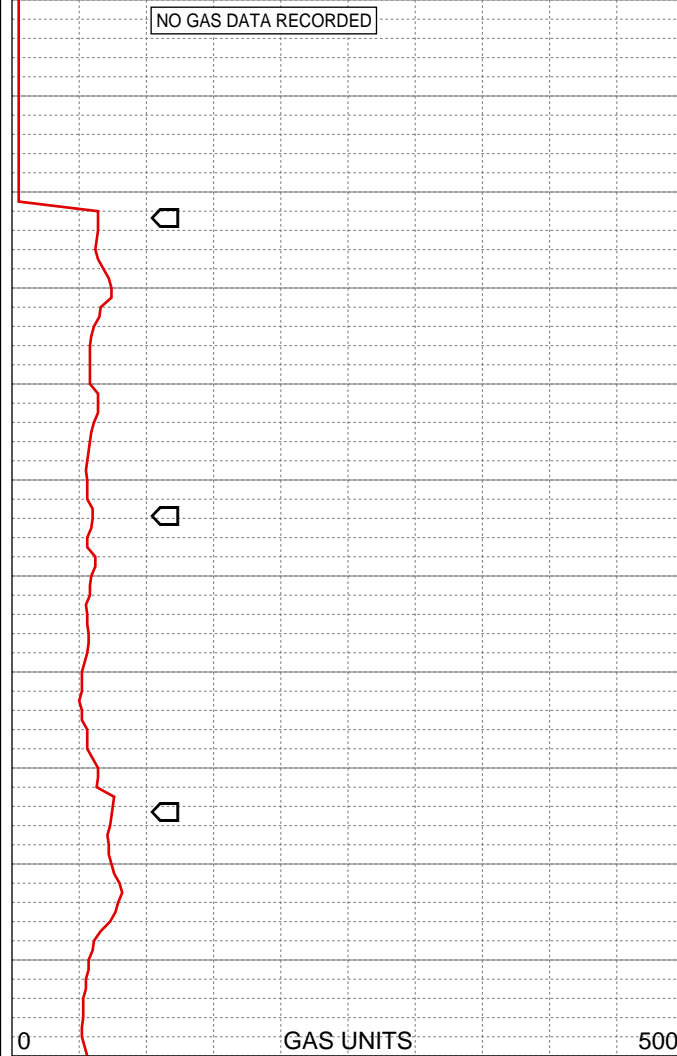
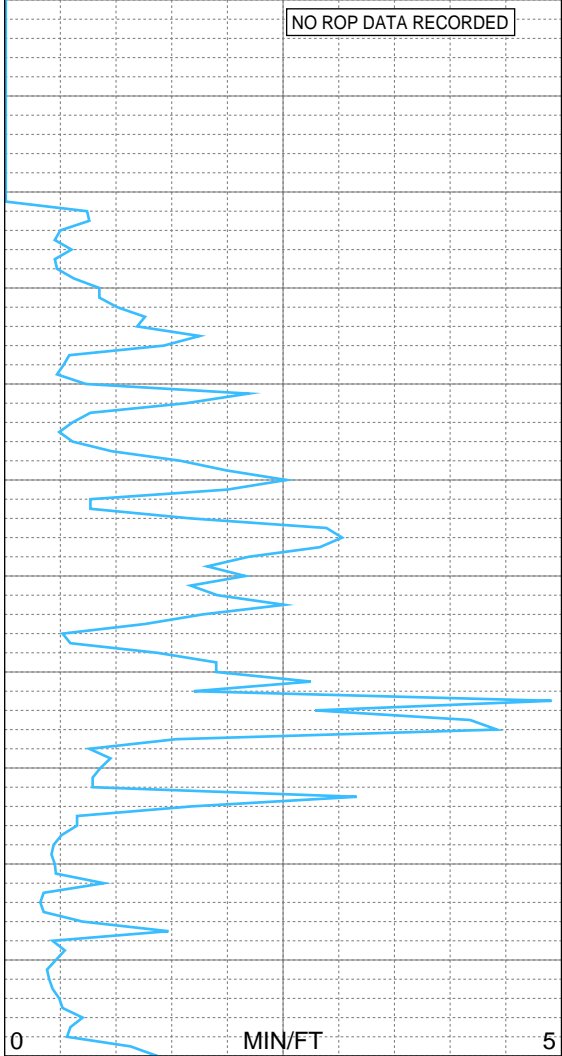
MUD CHECK
WT: 9.8/ VIS: 49

MUD CHECK
WT: 10.0/ VIS: 47

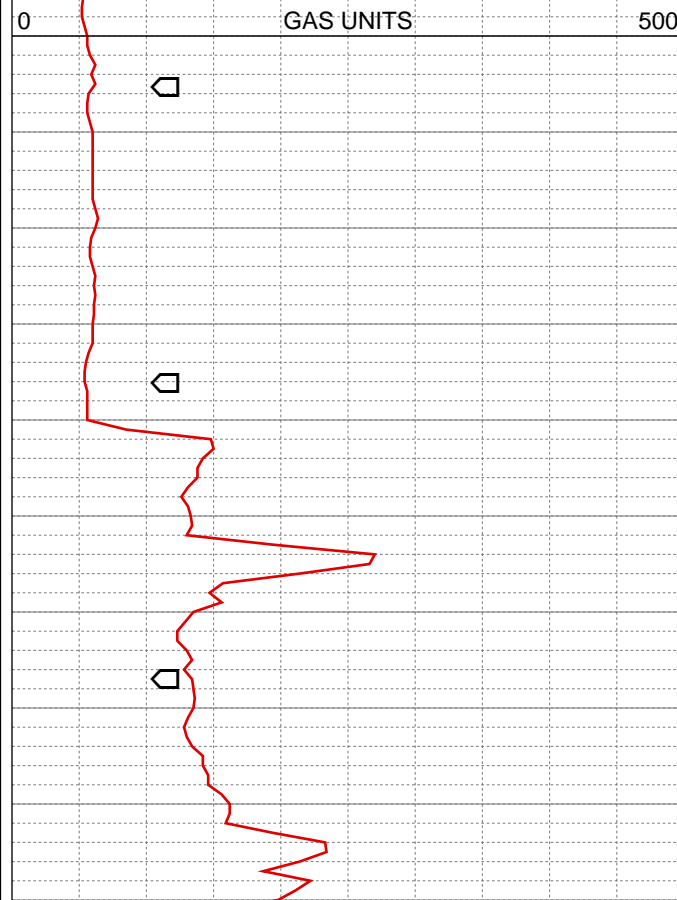
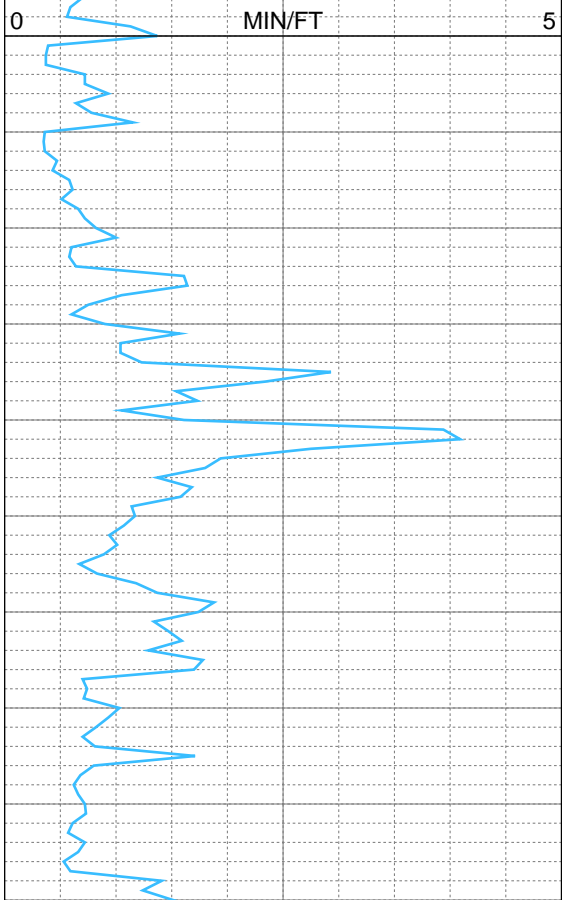
NO ROP DATA RECORDED

NO GAS DATA RECORDED

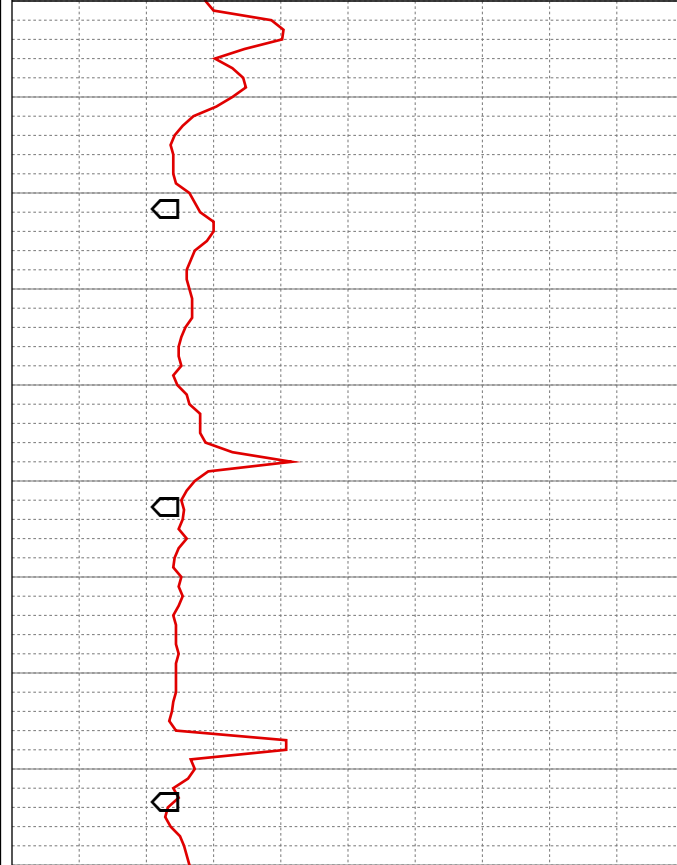
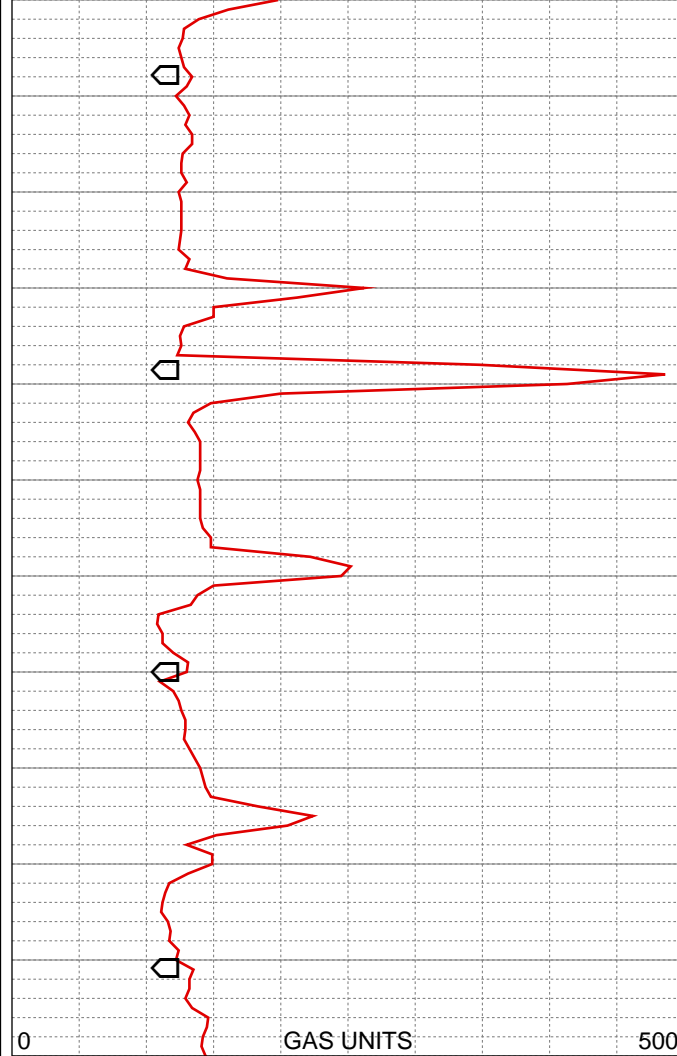
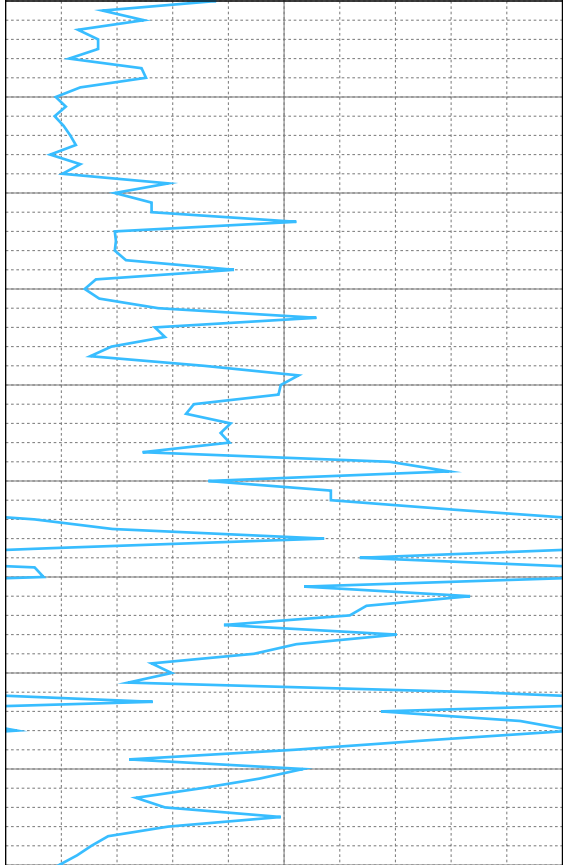
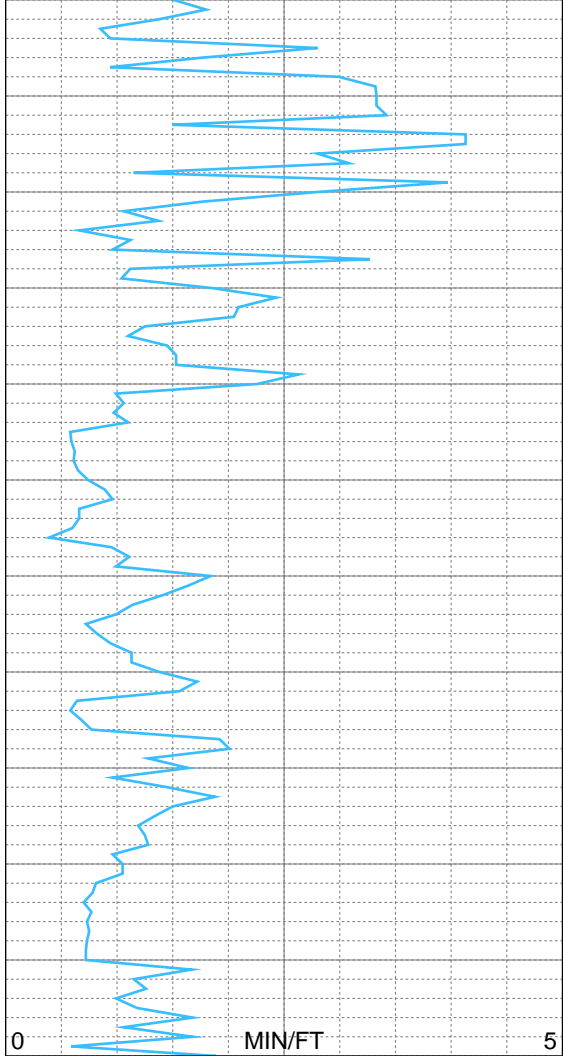
MUD CHECK
WT: 10.0/ VIS: 47



PROG TOP OF
GAS= 3472' TVD

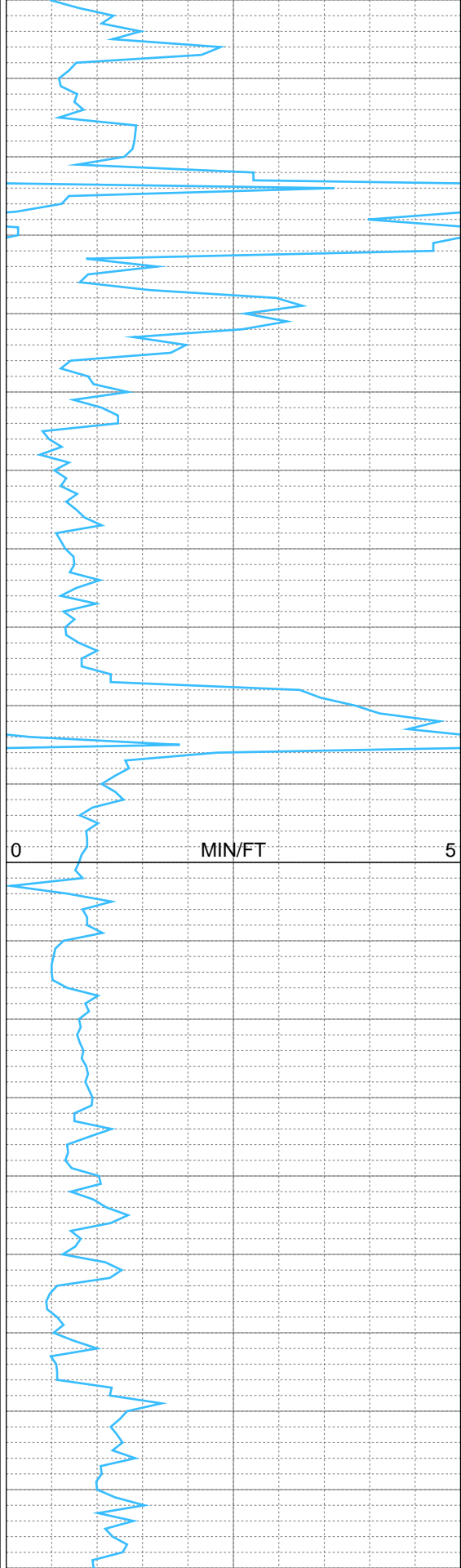


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WT: 10.0/ VIS: 47

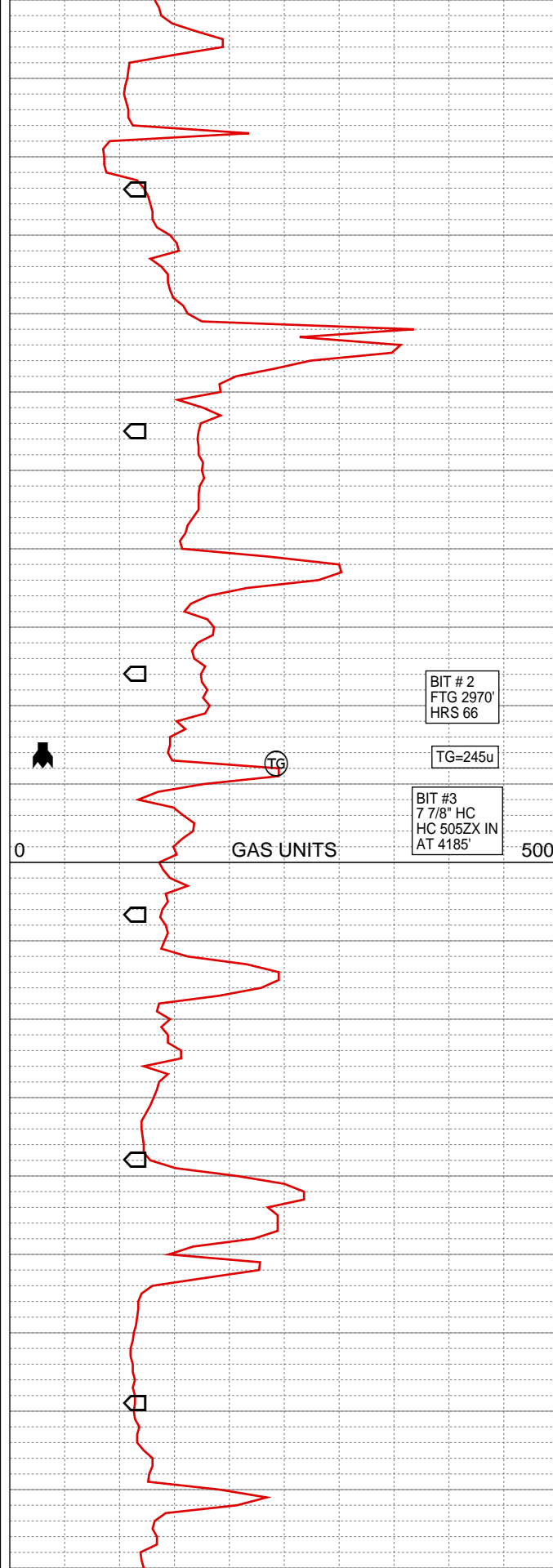


MUD CHECK
WT: 10.0/ VIS: 47

MUD CHECK
WT: 10.0/ VIS: 47



0 MIN/FT 5

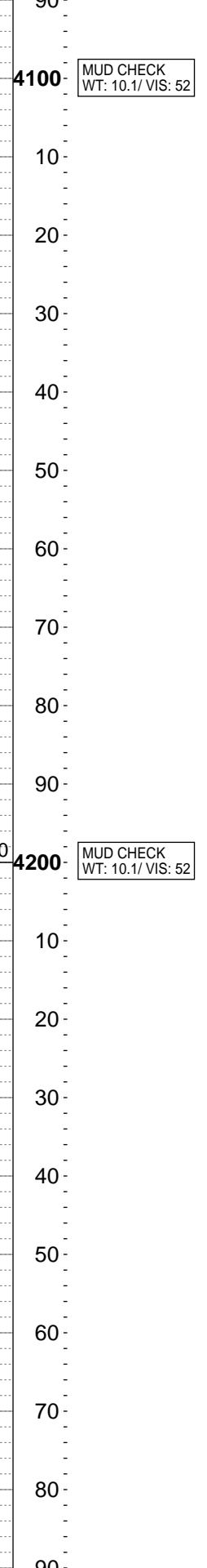


0 GAS UNITS 500

BIT # 2
FTG 2970'
HRS 66

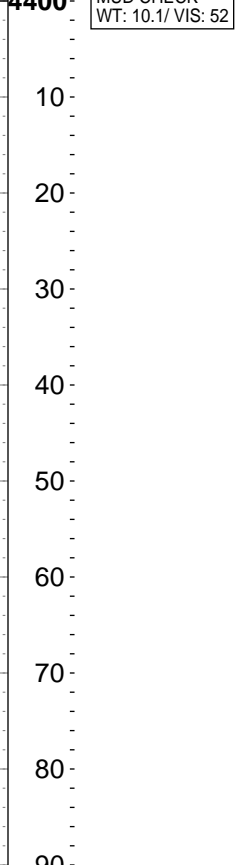
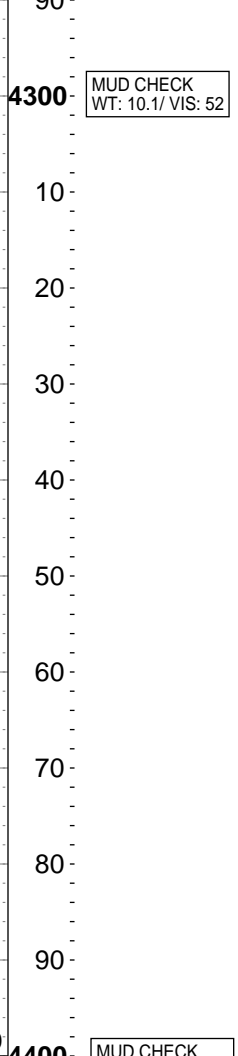
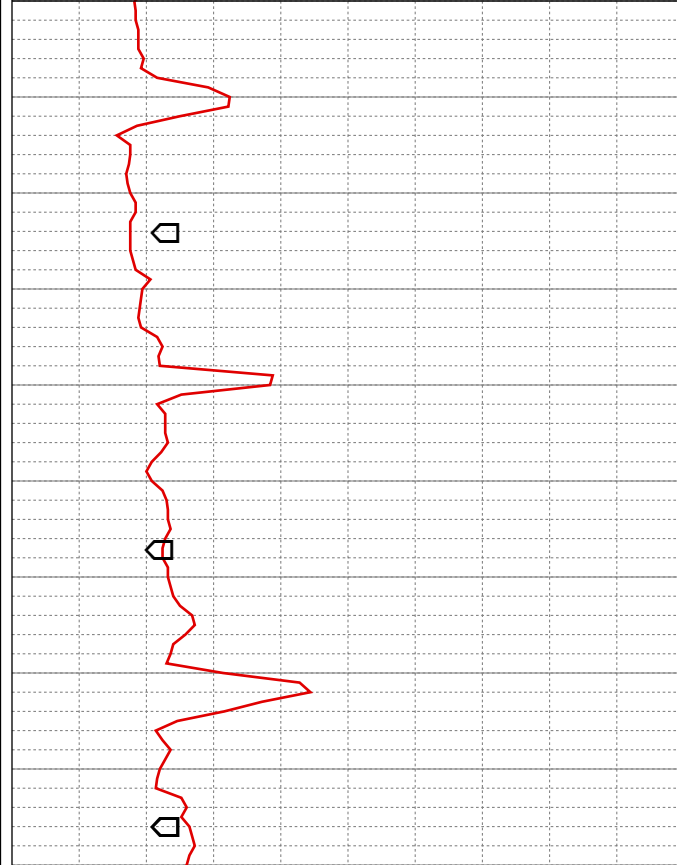
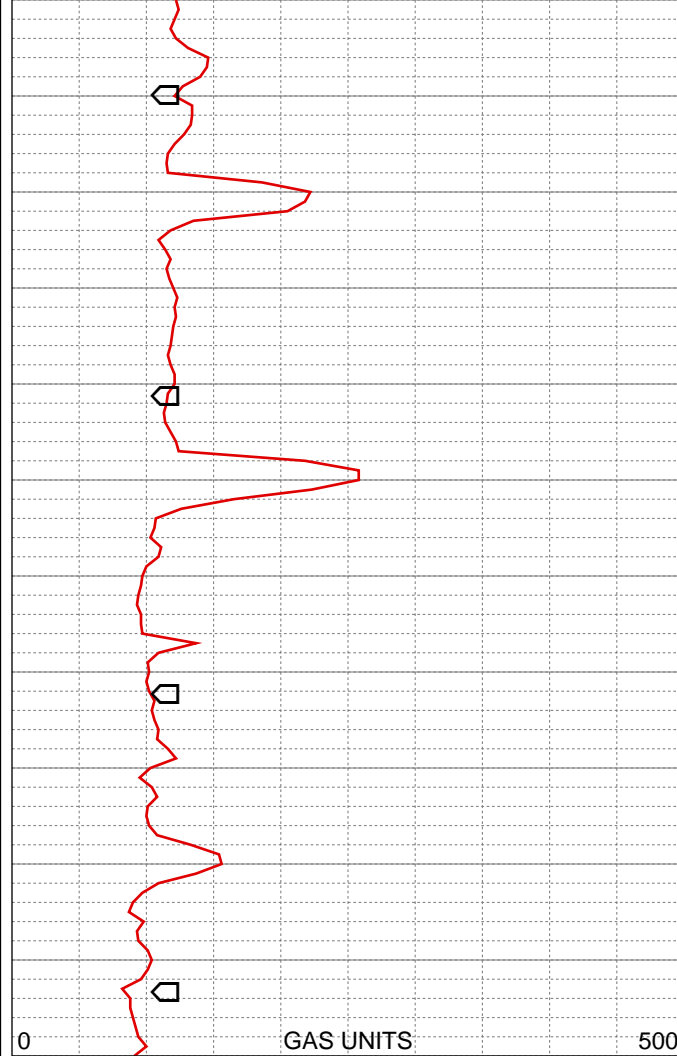
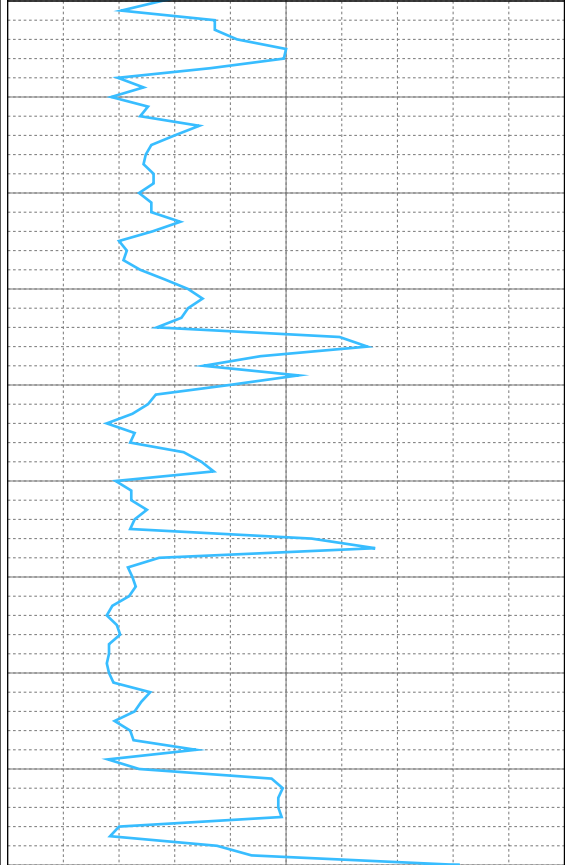
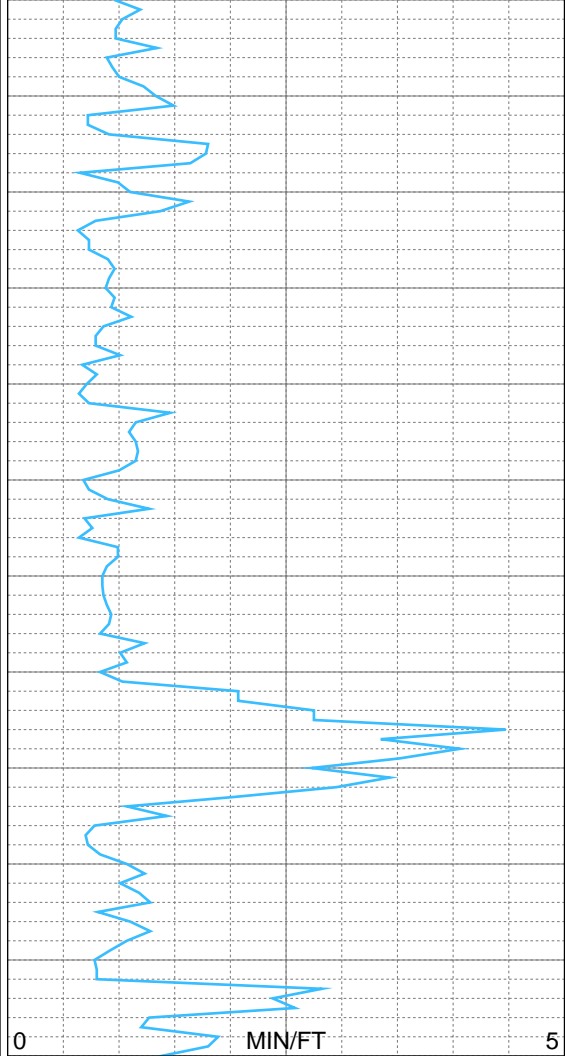
TG=245u

BIT #3
7 7/8" HC
HC 505ZX IN
AT 4185'



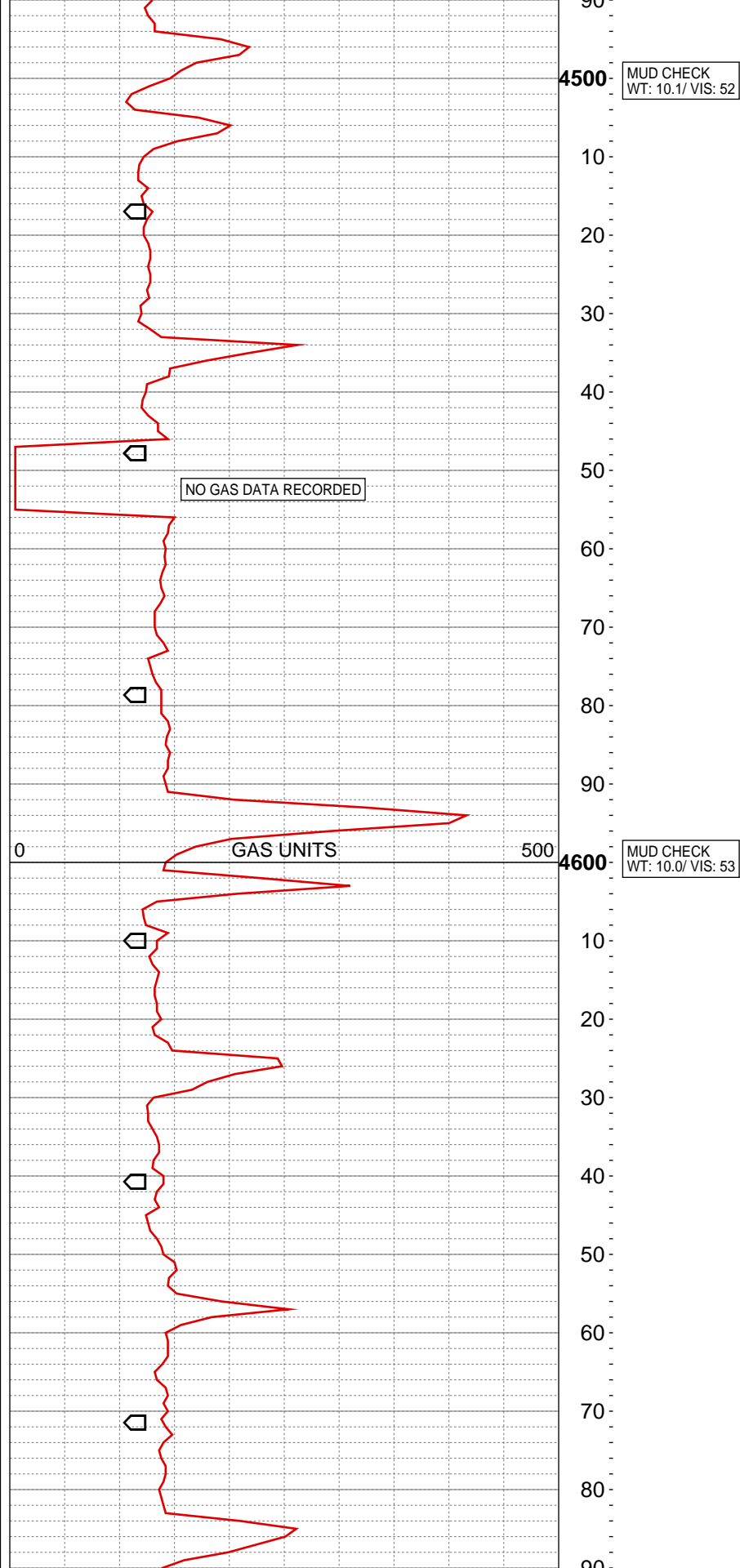
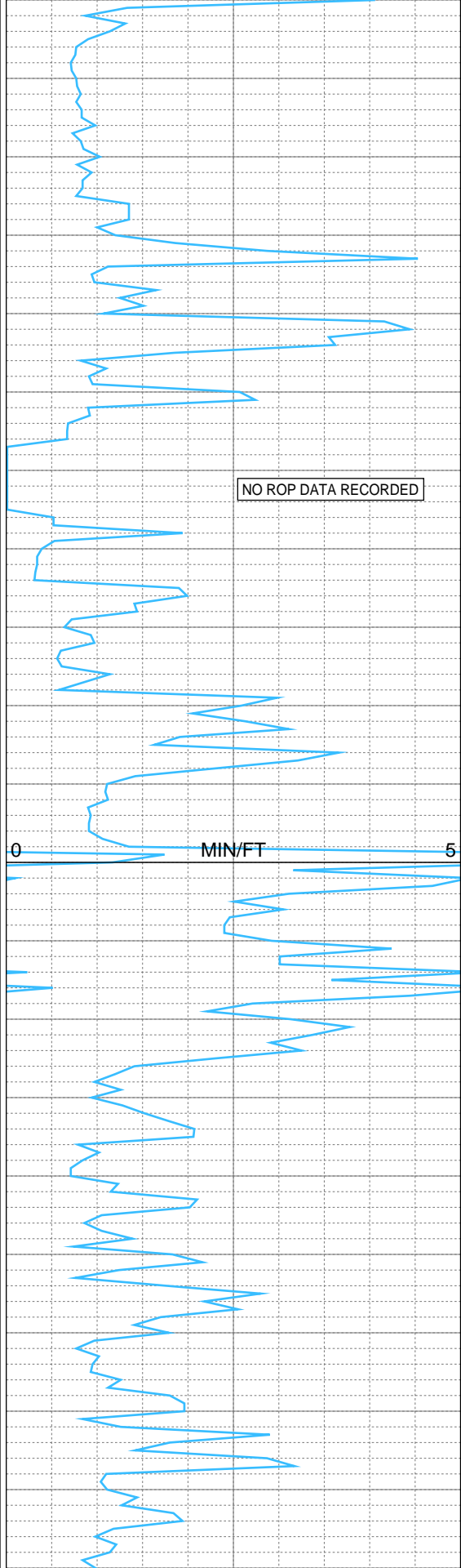
MUD CHECK
WT: 10.1/ VIS: 52

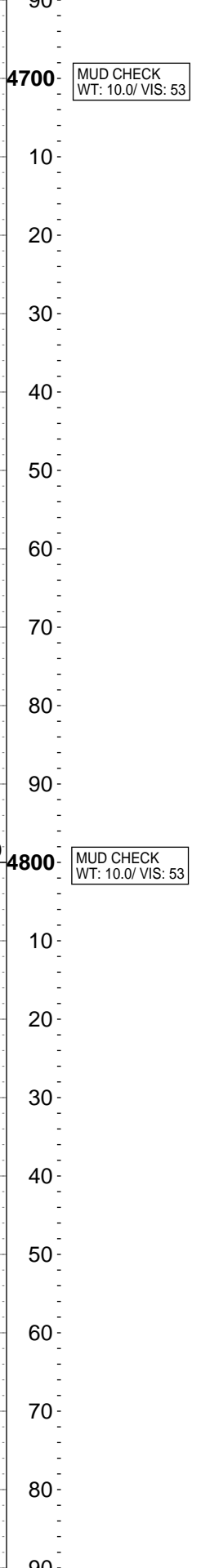
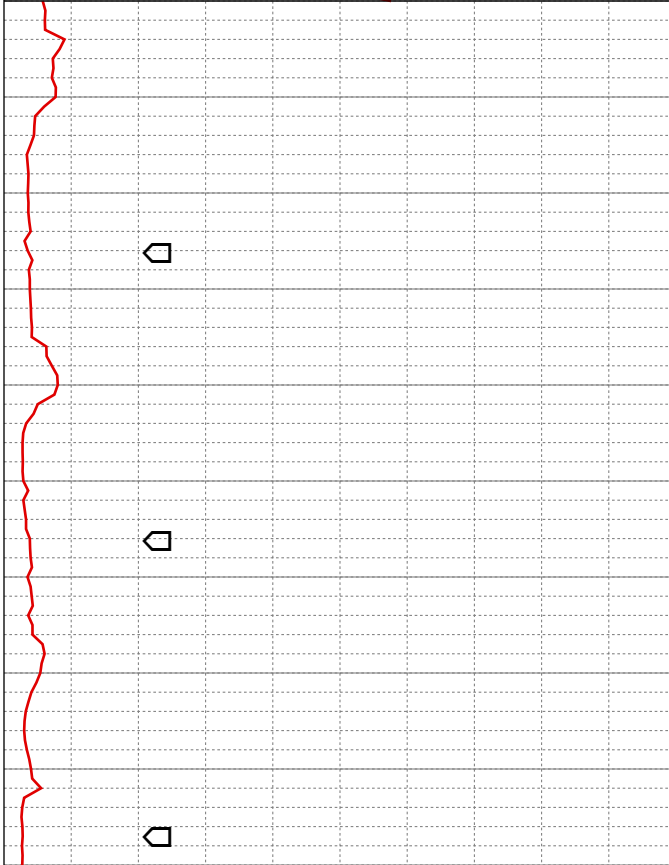
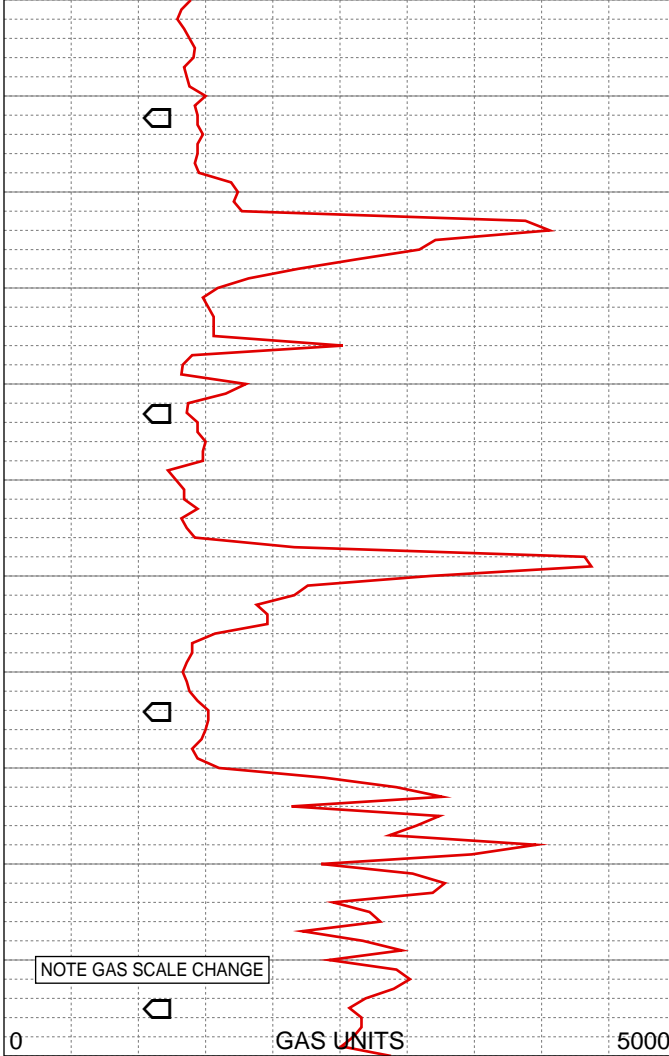
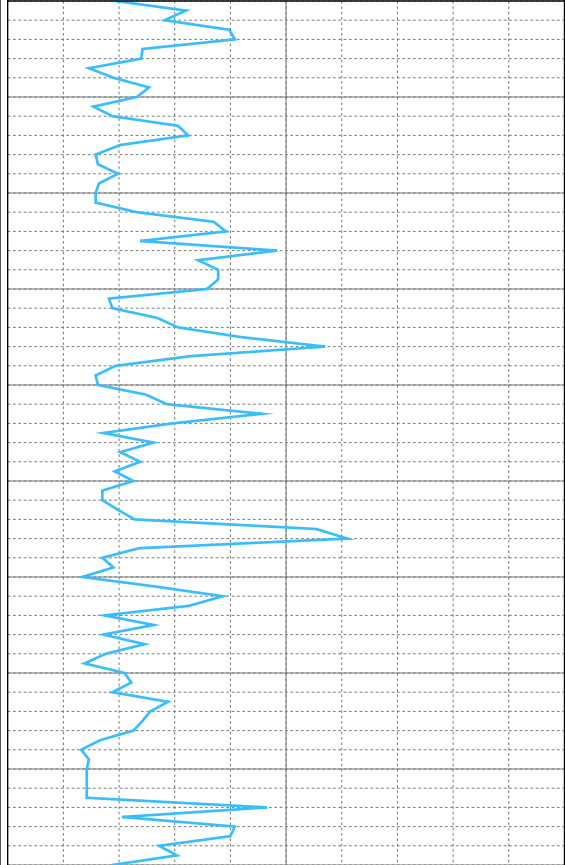
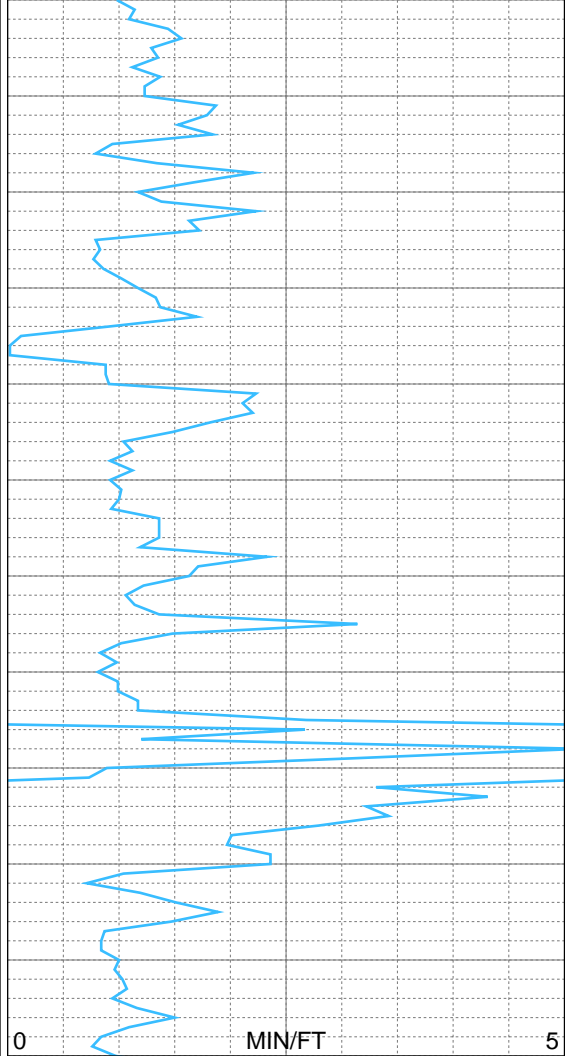
MUD CHECK
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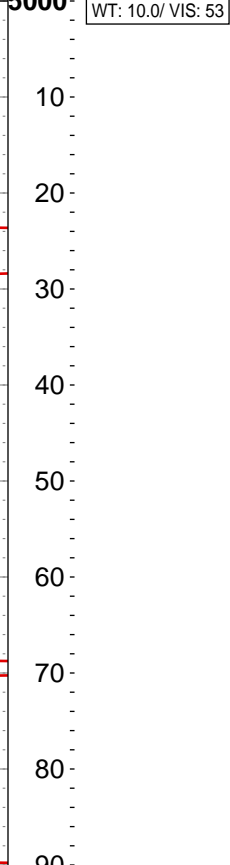
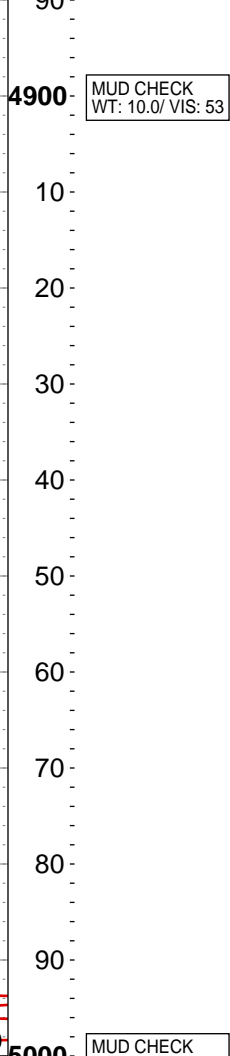
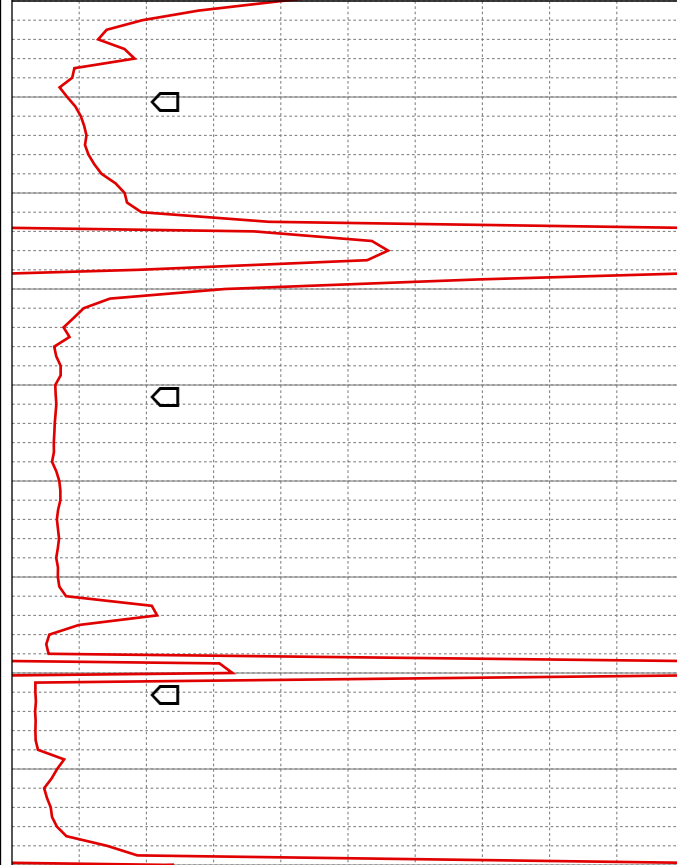
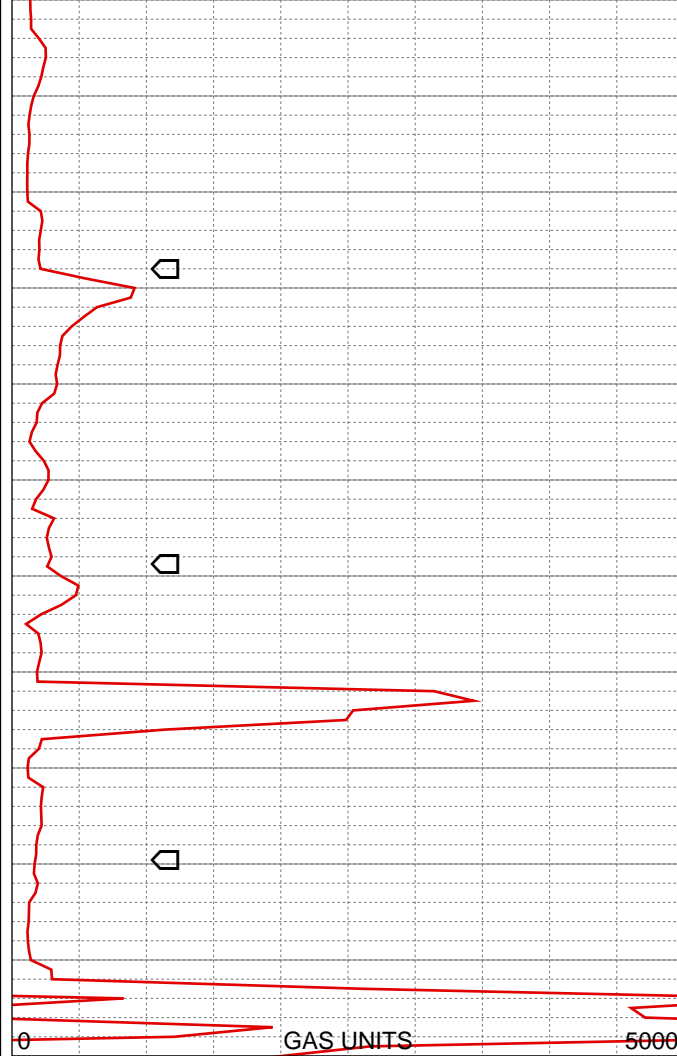
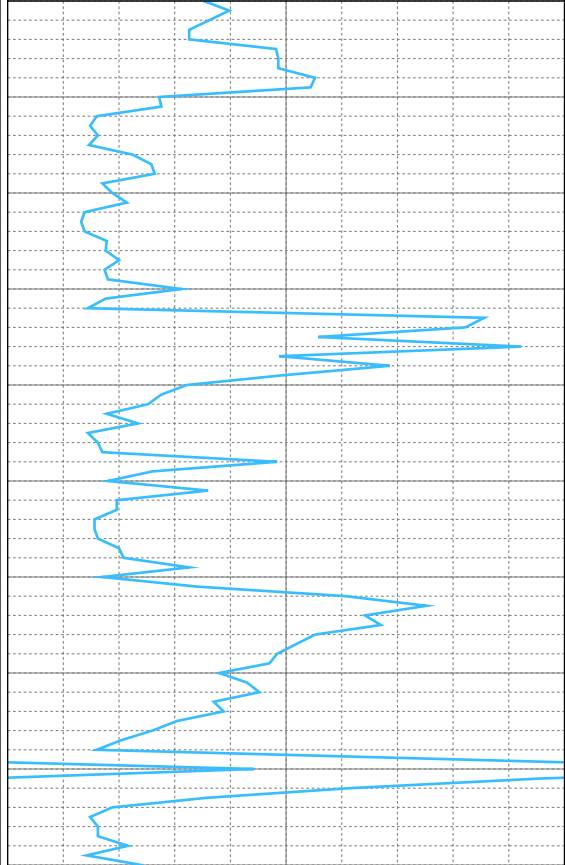
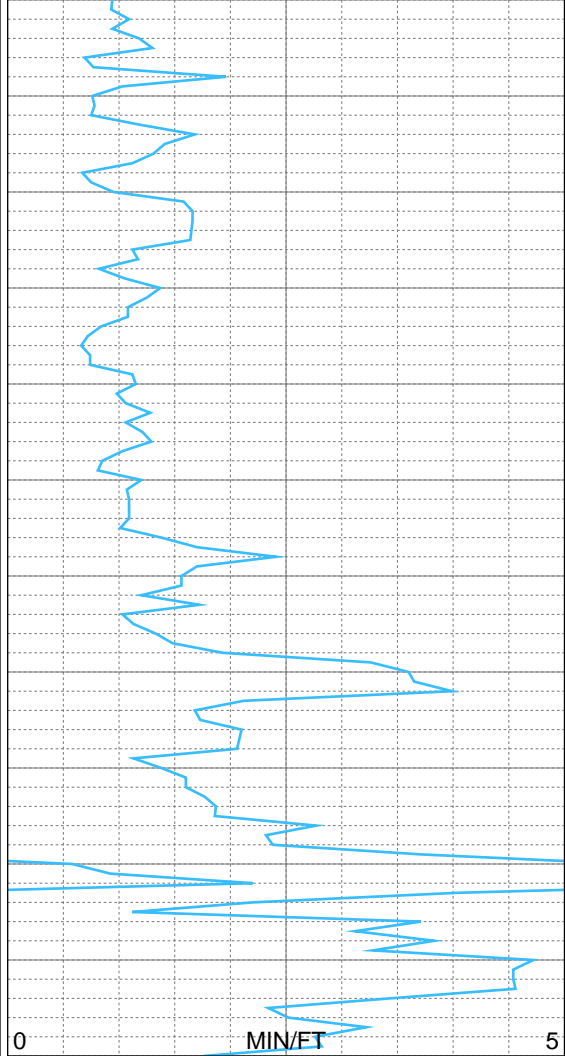


MUD CHECK
WT: 10.1/ VIS: 52

MUD CHECK
WT: 10.1/ VIS: 52

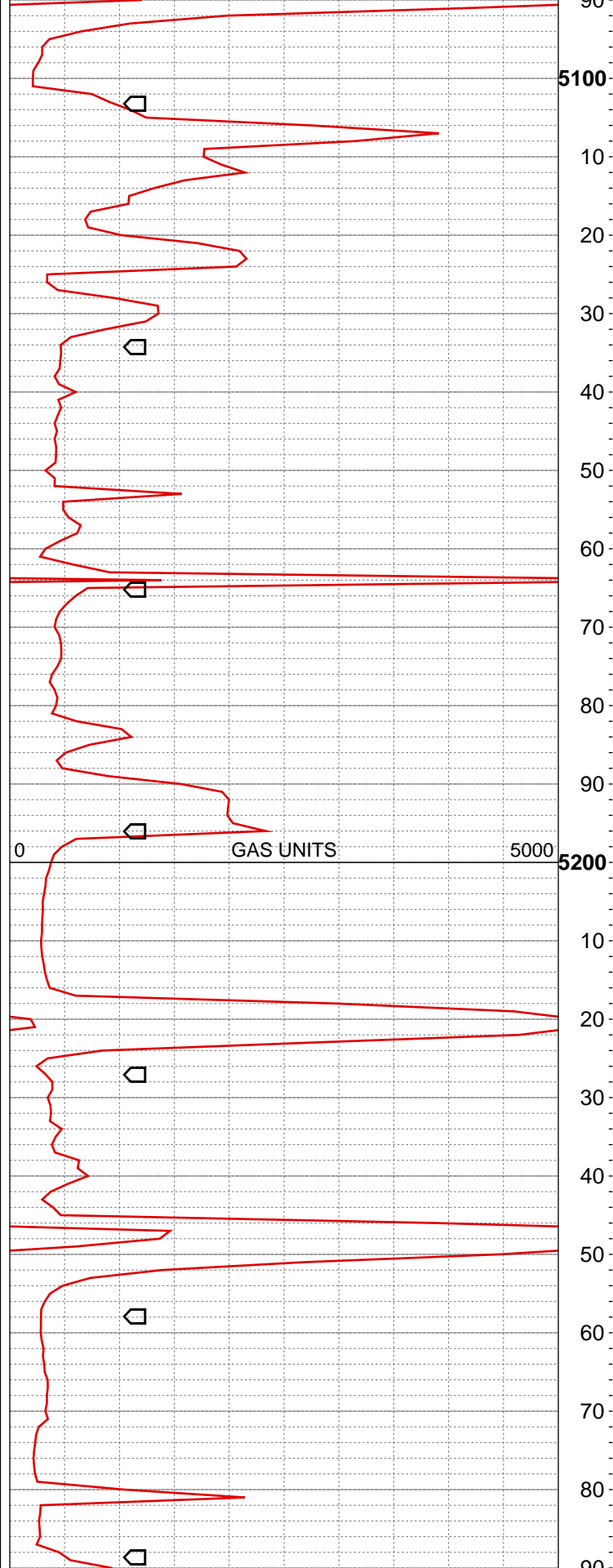
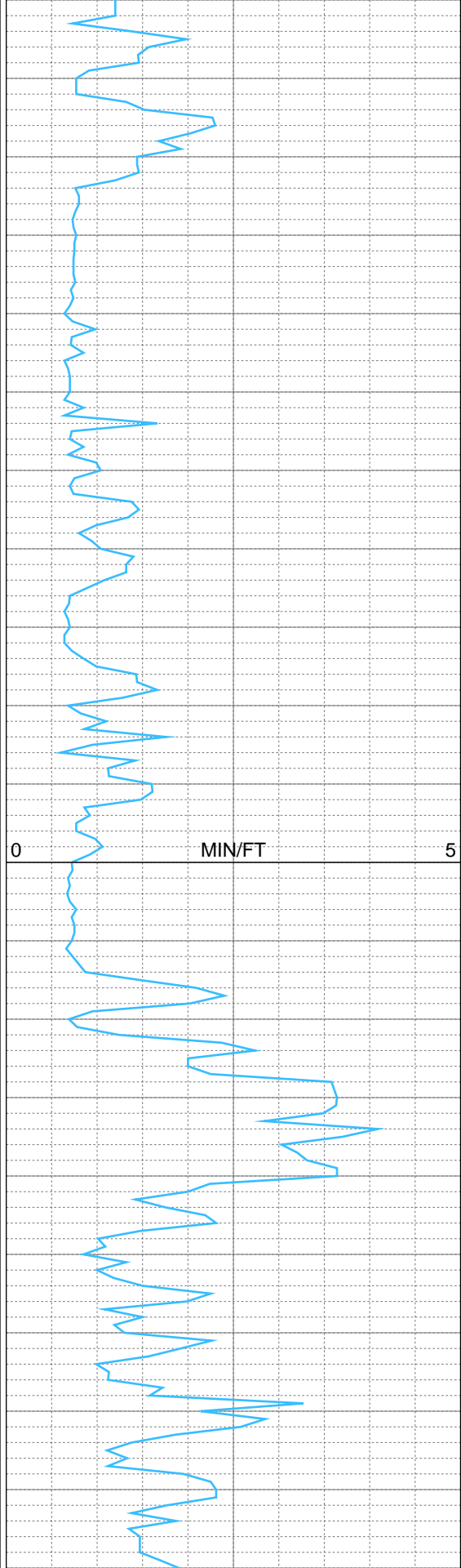






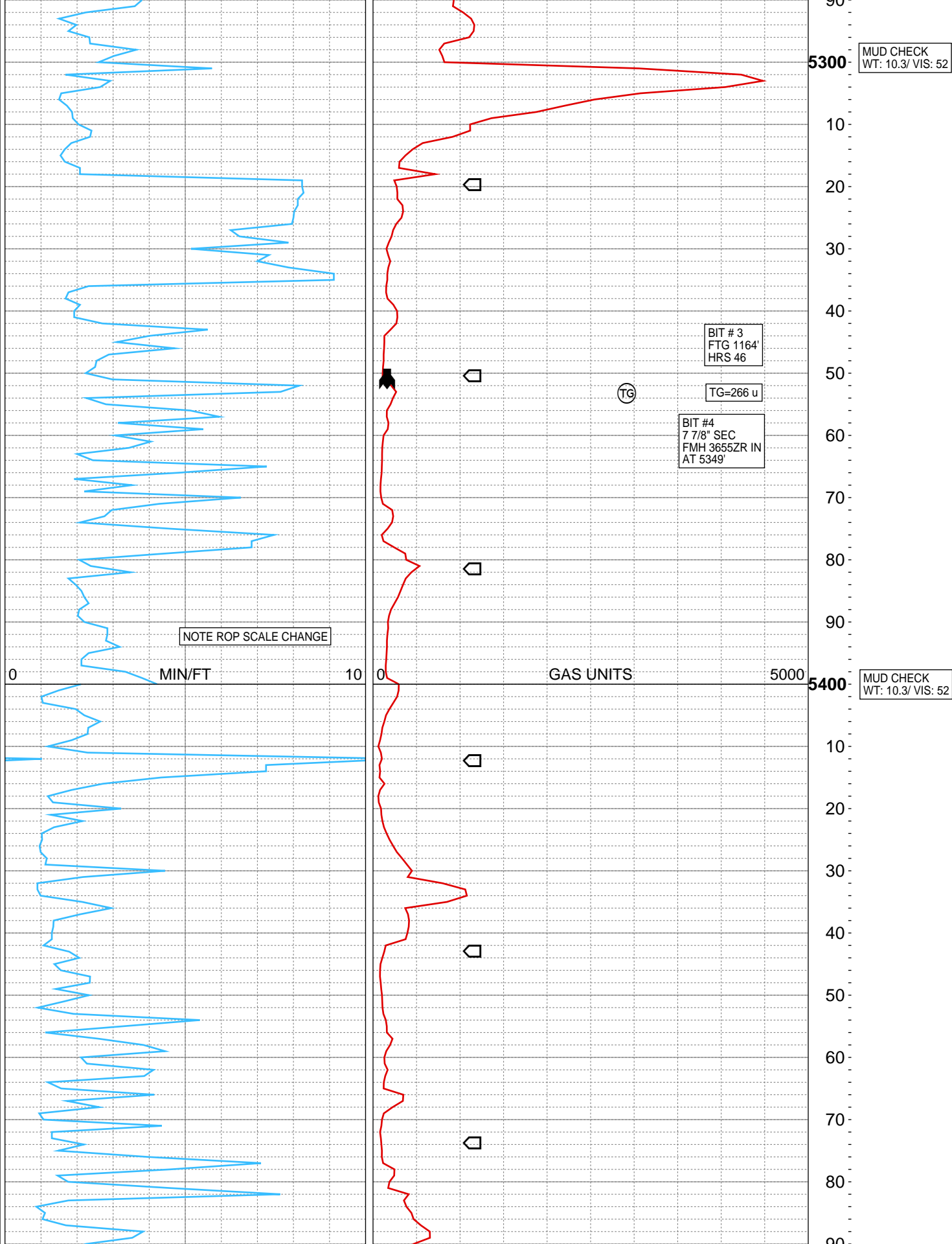
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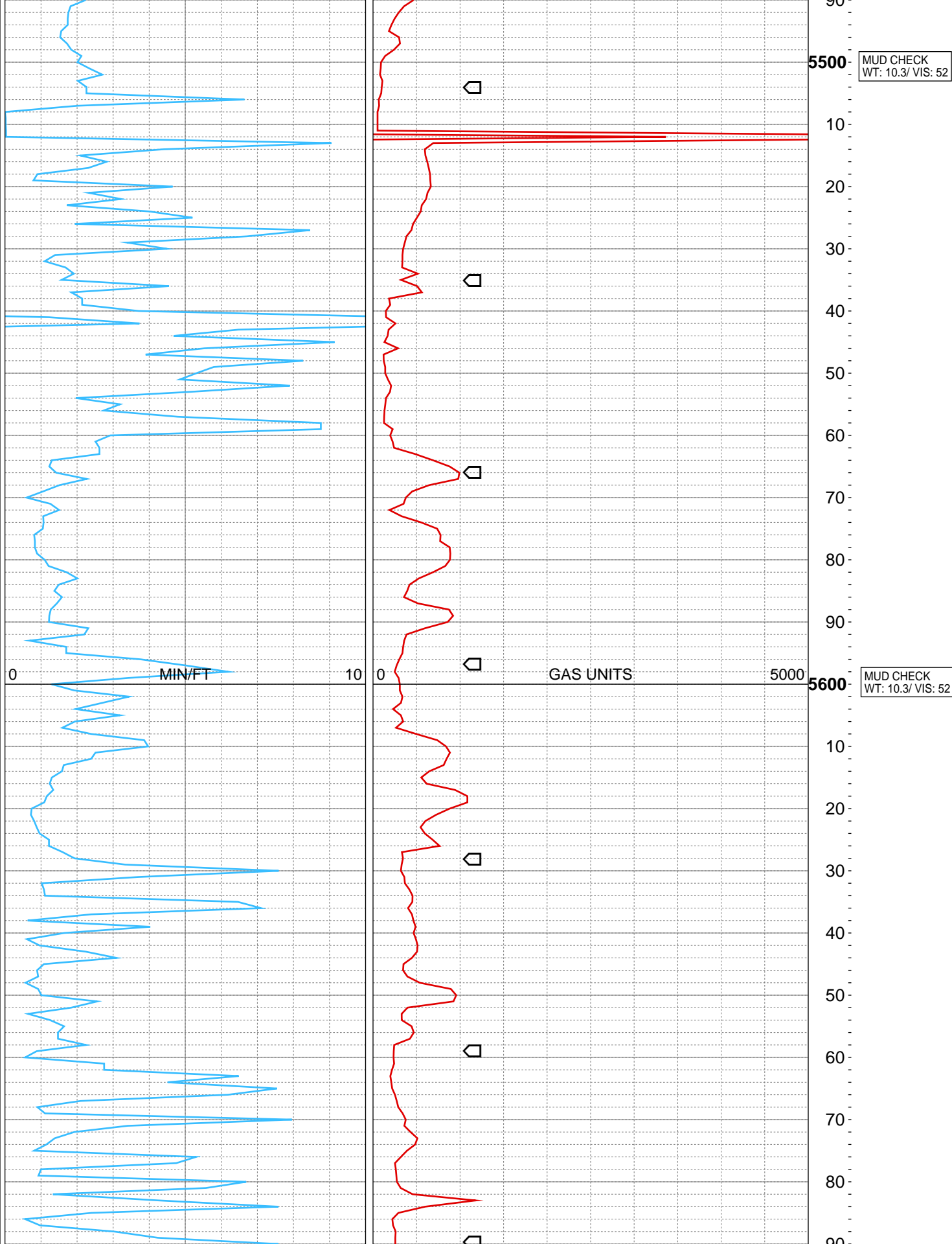
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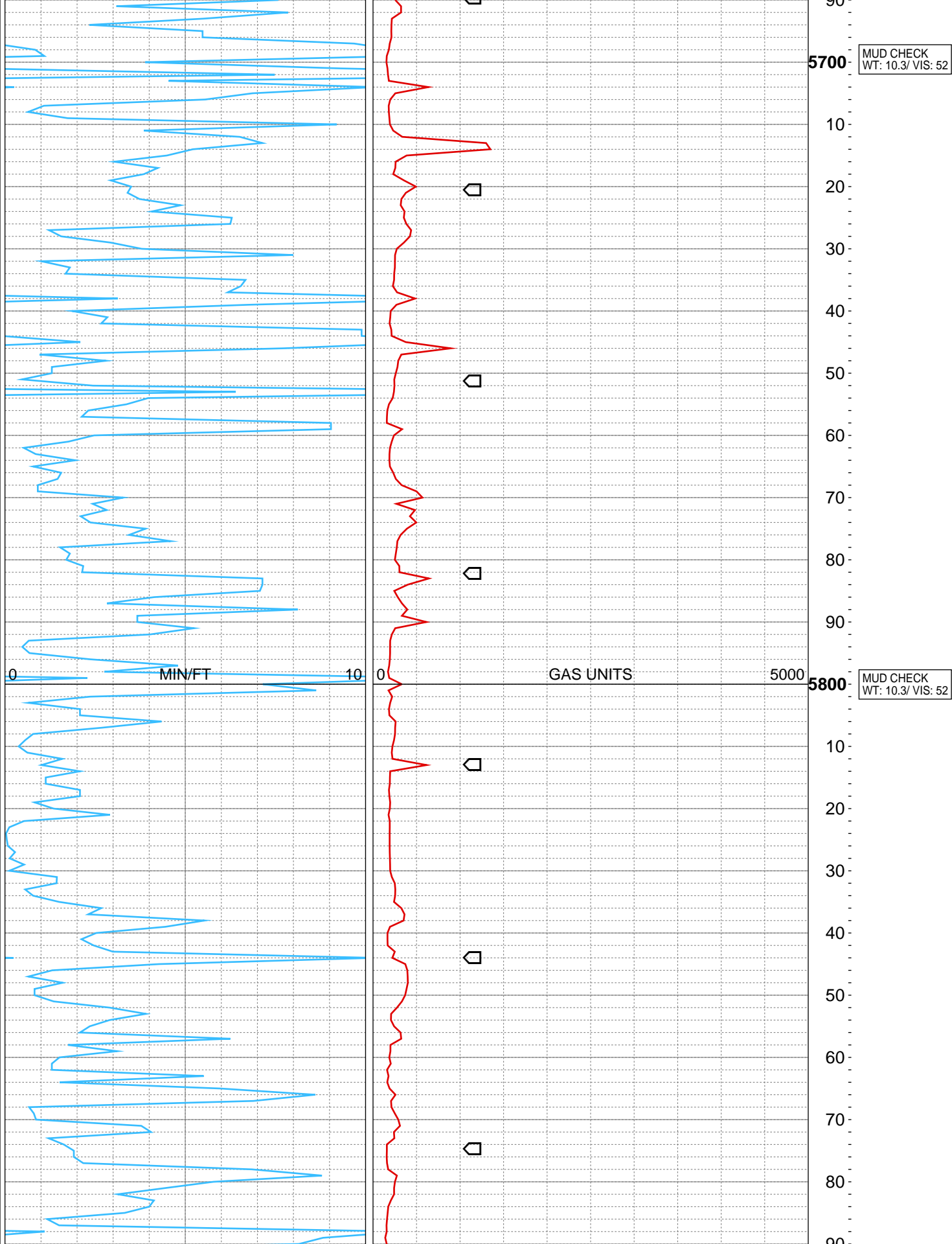


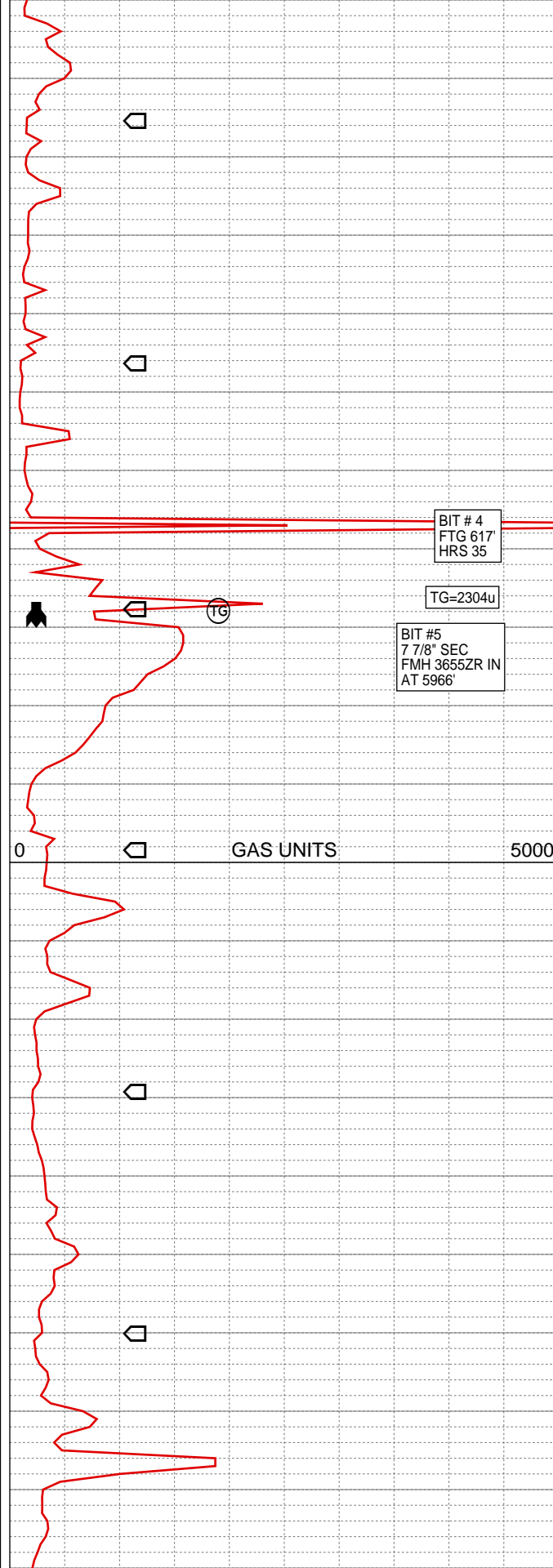
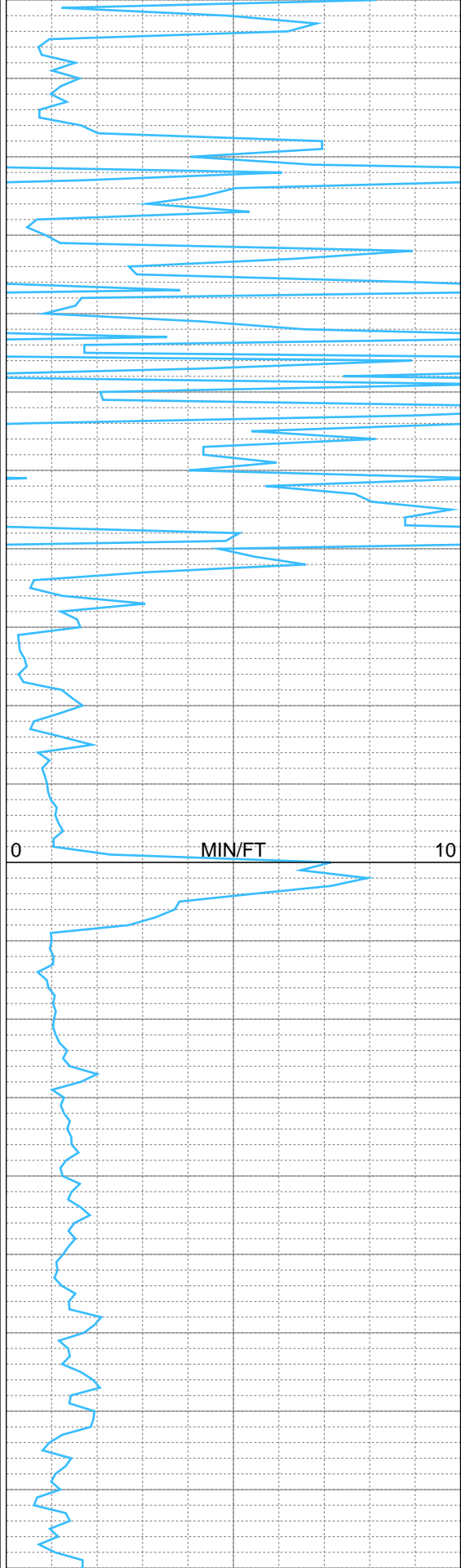
MUD CHECK
WT: 10.0/ VIS: 53

MUD CHECK
WT: 10.0/ VIS: 53









90
5900
10
20
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40
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60
70
80
90
6000
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70
80
90

MUD CHECK
WT: 10.3/ VIS: 52

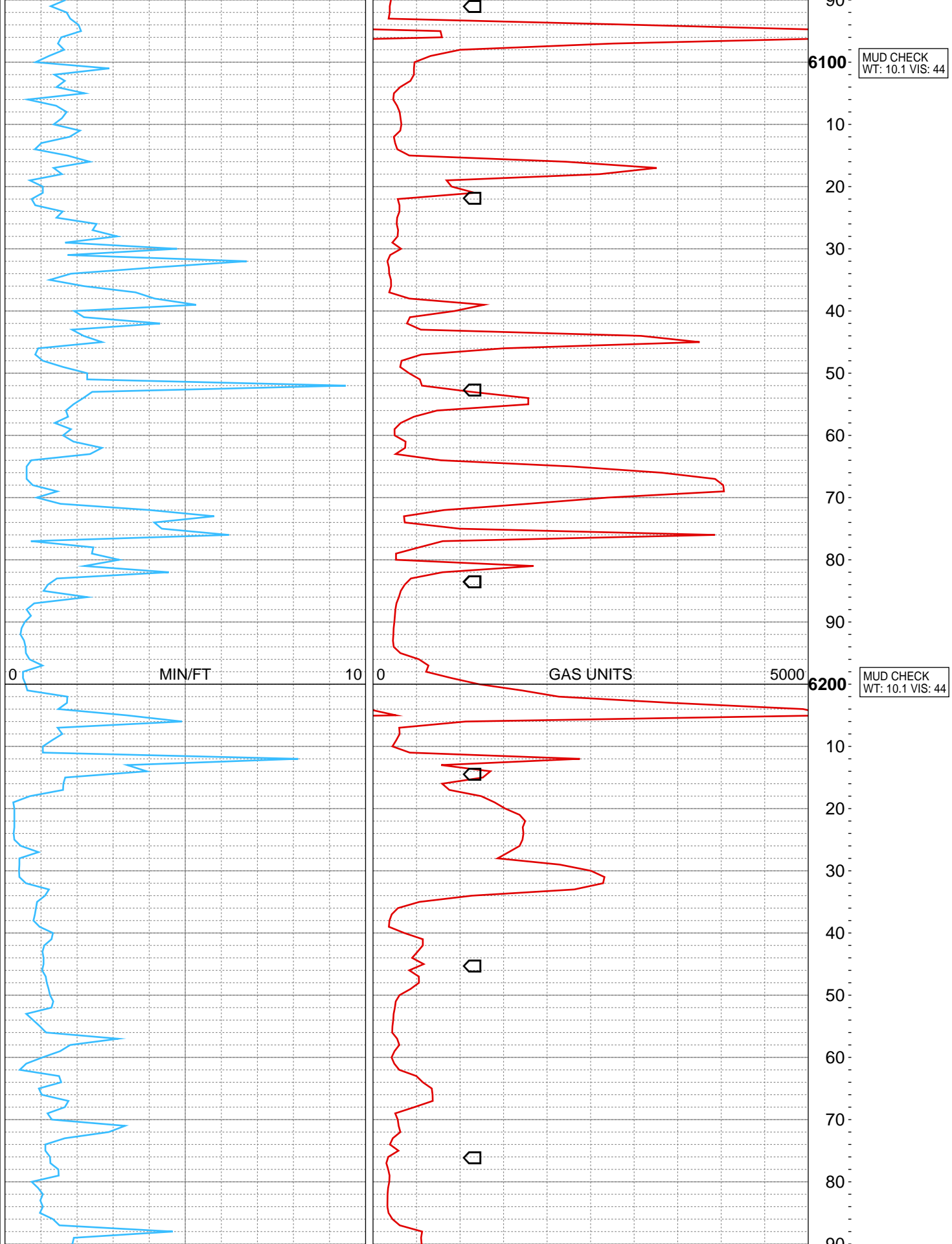
BIT # 4
FTG 617'
HRS 35

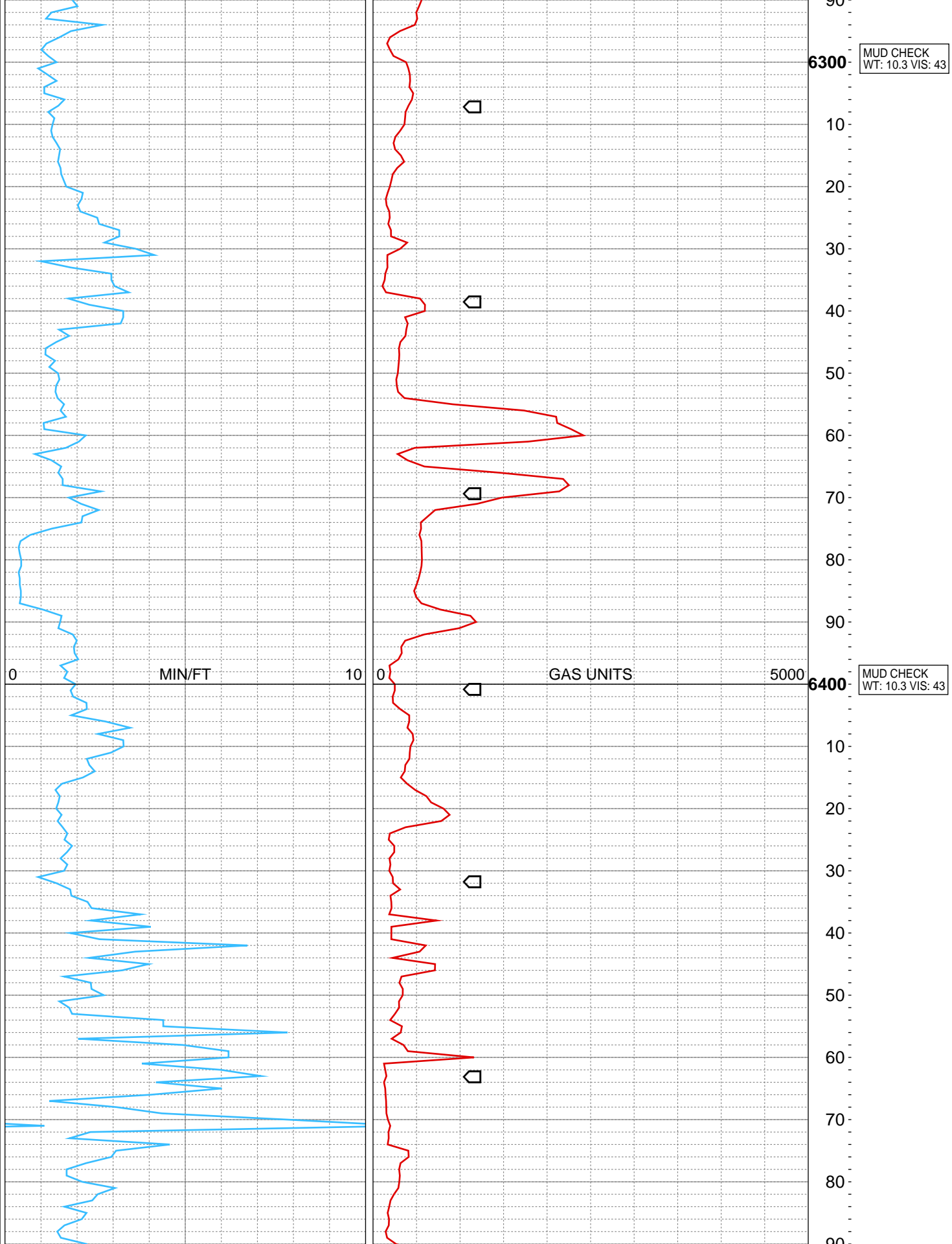
TG=2304u

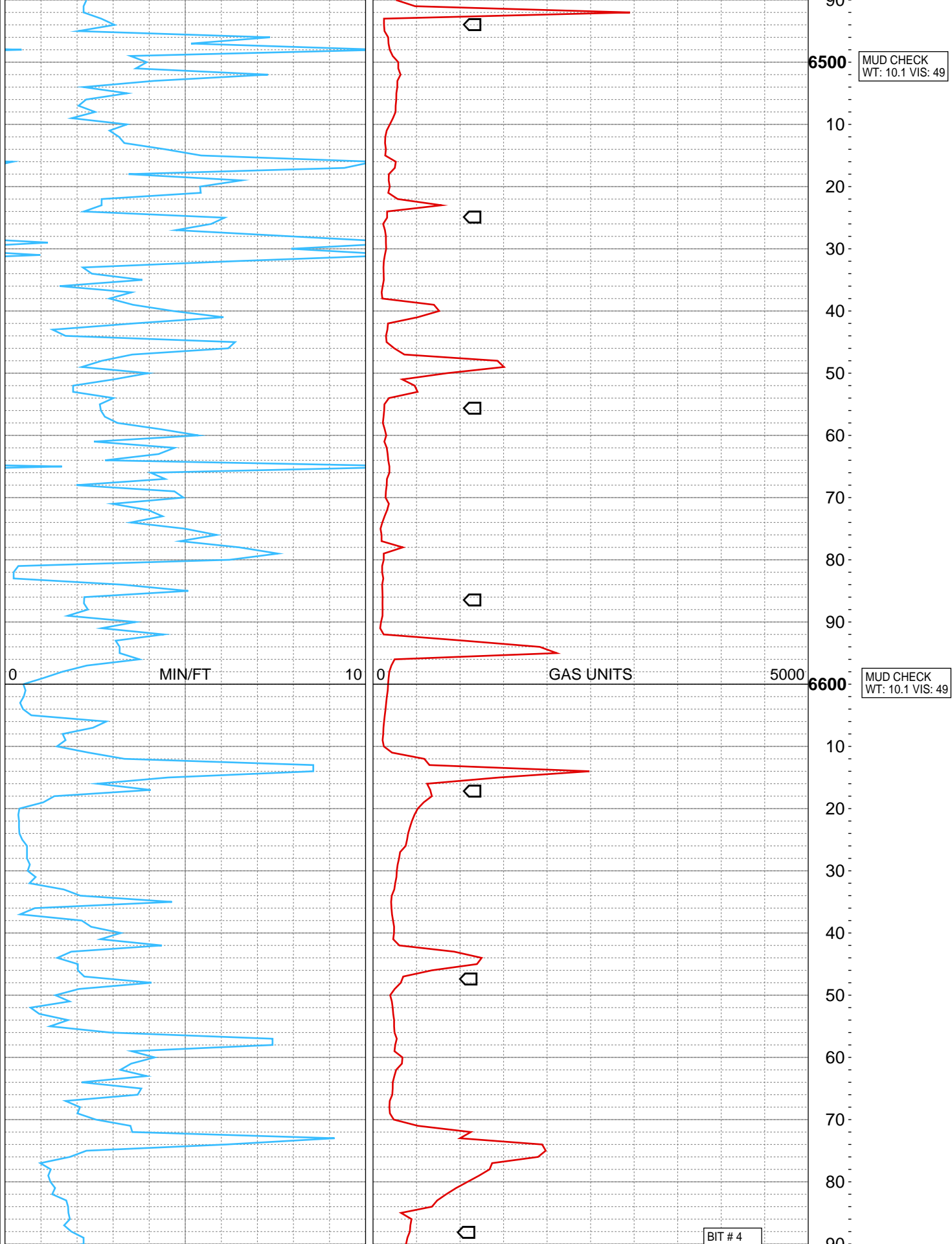
BIT #5
7 7/8" SEC
FMH 3655ZR IN
AT 5966'

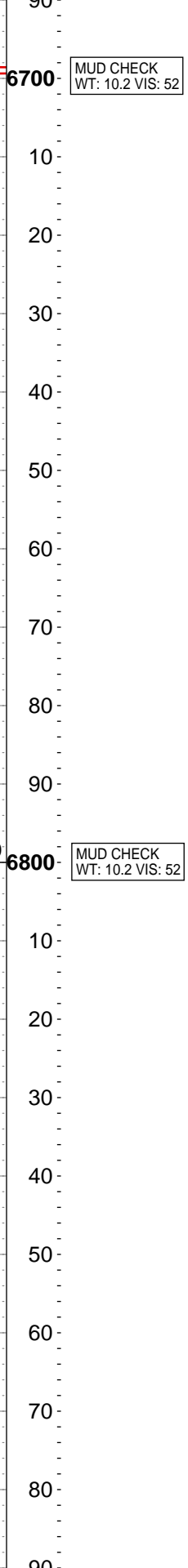
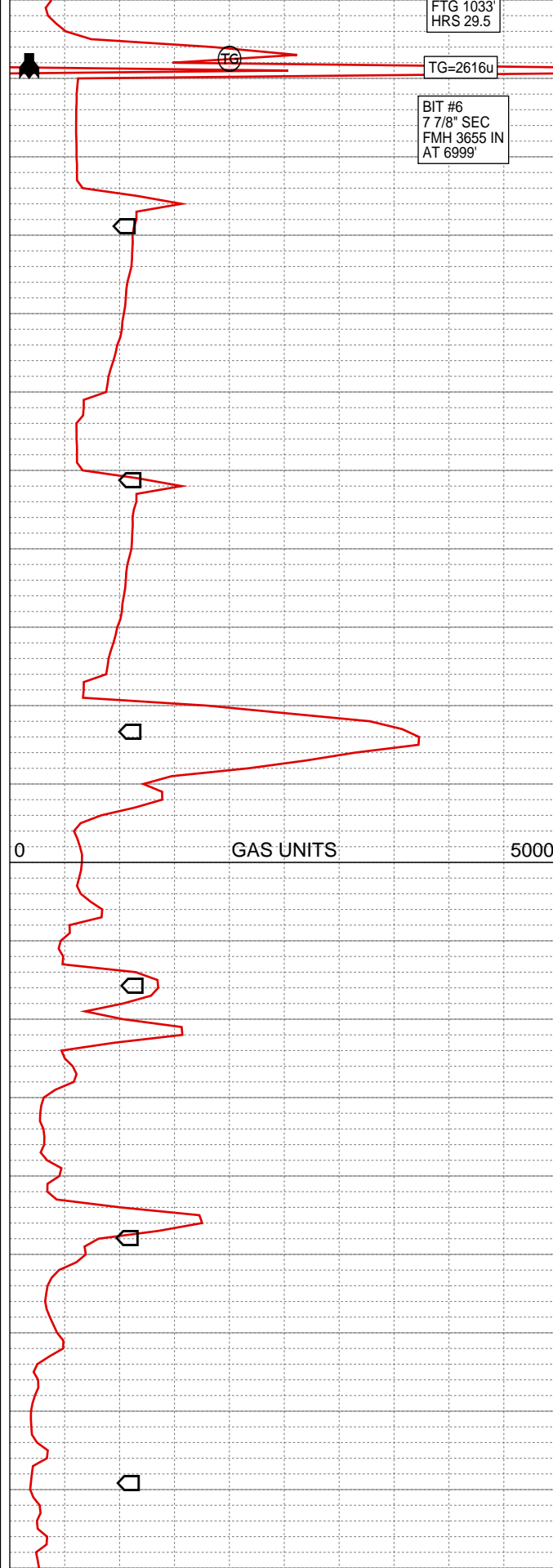
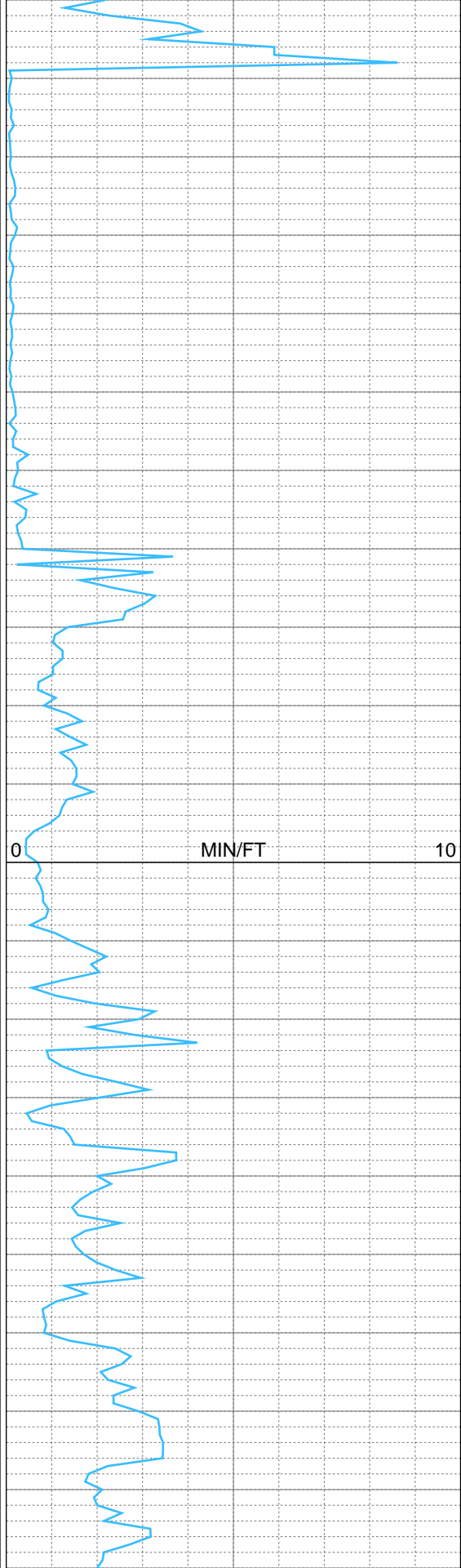
PROG TOP OF
COALS=5662' TVD

MUD CHECK
WT: 10.1 VIS: 44









FTG 1033'
HRS 29.5

TG=2616u

BIT #6
7 7/8" SEC
FMH 3655 IN
AT 6999'

MUD CHECK
WT: 10.2 VIS: 52

MUD CHECK
WT: 10.2 VIS: 52

