


























































**OPERATOR:** ORION ENERGY PARTNERS  
**WELL:** HILTON 16-312D  
**LOCATION:** SEC16-T6S-R91W  
**COUNTY:** GARFIELD  
**STATE:** COLORADO  
**SPOT:** 650' FSL, 2008' FWL  
**ELEVATION:**  
**FIELD:** KOKOPELLI  
**SPUD DATE:** JUNE 26, 2008

**TD DATE:** JULY 9, 2008  
**DATES LOGGED:** 6/29/08 - 7/9/08  
**DEPTHS LOGGED:** 1057' - 8850'  
**LOGGERS:** COMMAND CENTER  
**DRILLING FLUID:** LSND  
**DRILLING RIG:** PATTERSON 500  
**API #:** 05-045-16005  
**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

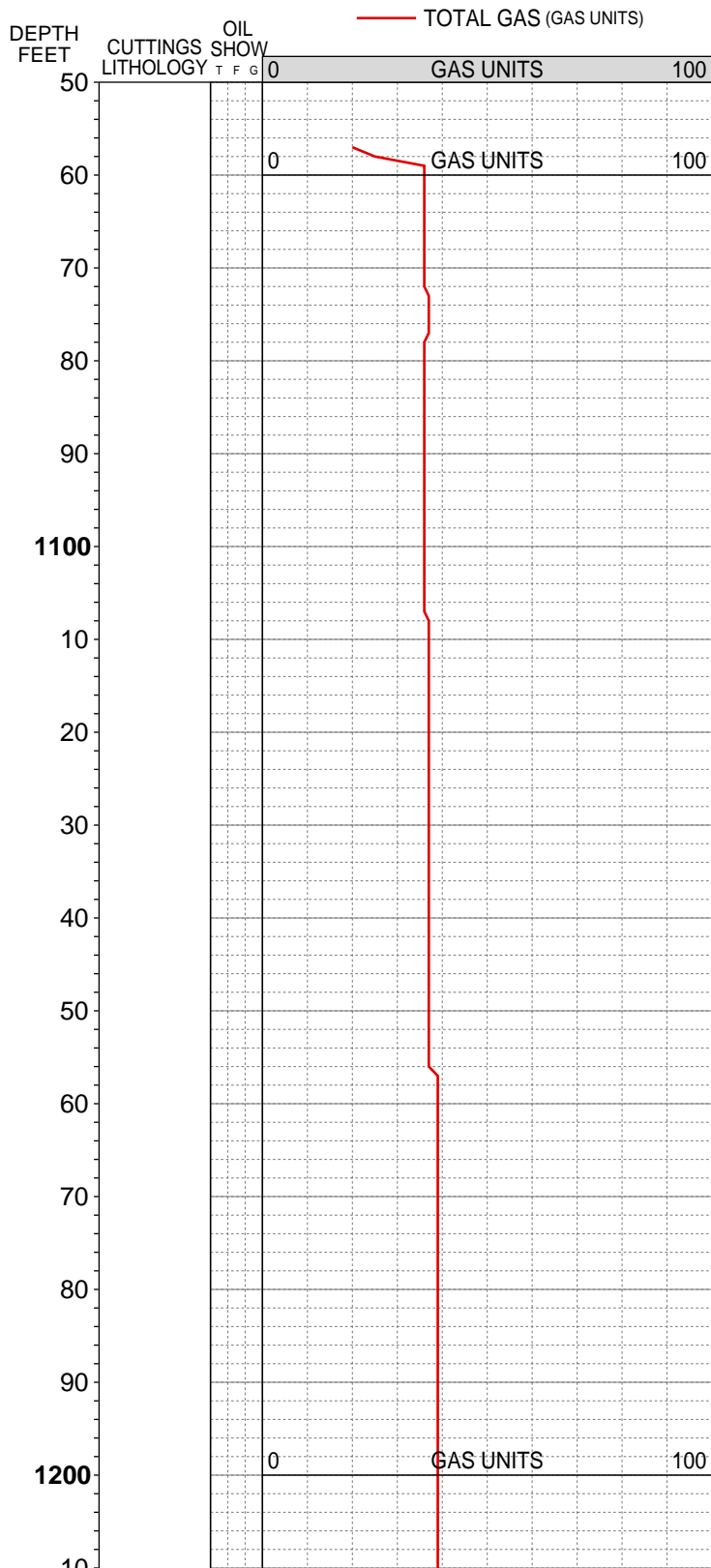
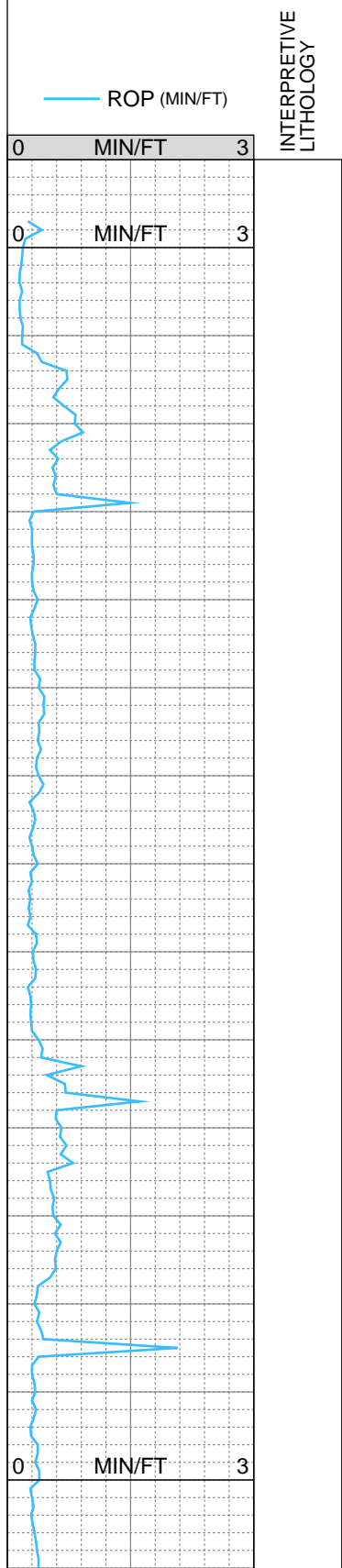
INTERCRYSTALLINE INTERGRANULAR	VUGGY	FRACTURE	INTEROOLITIC	PINPOINT	ORGANIC
MOLDIC	EARTHY	FENESTRAL			
VERY POOR	POOR	MODERATE	MODERATLY WELL	WELL	VERY WELL
ANGULAR	SUBANGULAR	SUBROUNDED	ROUNDED		

## 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

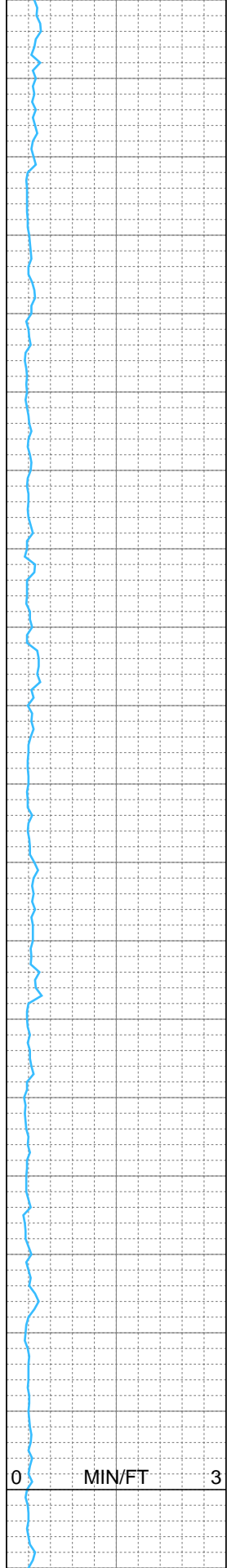
CB - CORE BIT	CG - CONNECTION GAS	CO - CIRCULATE OUT	DST - DRILL STEM TEST
DTG - DOWNTIME GAS	LAT - LOGGED AFTER TRIP	NR - NO RETURNS	NS - NO SAMPLE
PP - PUMP PRESSURE	RPM - REVOLUTIONS/MIN	RR - RE-RUN	SLM - STEEL LINE MEASURE
SPM - STROKES/MIN	TG - TRIP GAS	WOB - WEIGHT ON BIT	



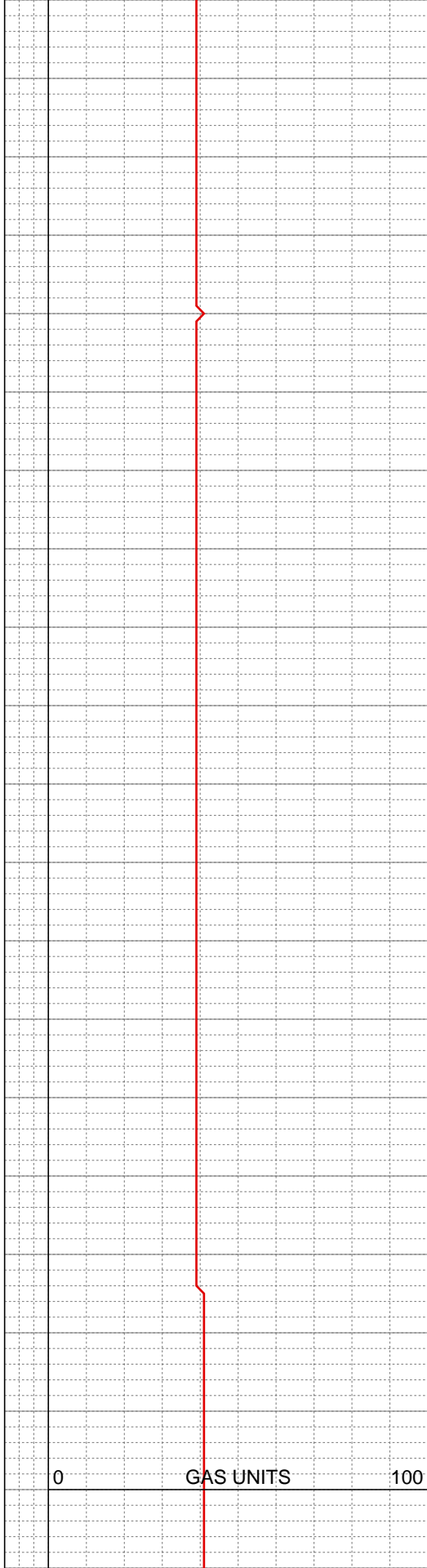
PASON SYSTEMS  
TOTAL REMOTE LOGGING  
1057' - 8850' TGAS RUNNING  
AND LOGGING BEGAN  
6/29/08 - 7/9/08

MUD WT. 9.0  
VIS 44

MUD WT. 9.0  
VIS 47

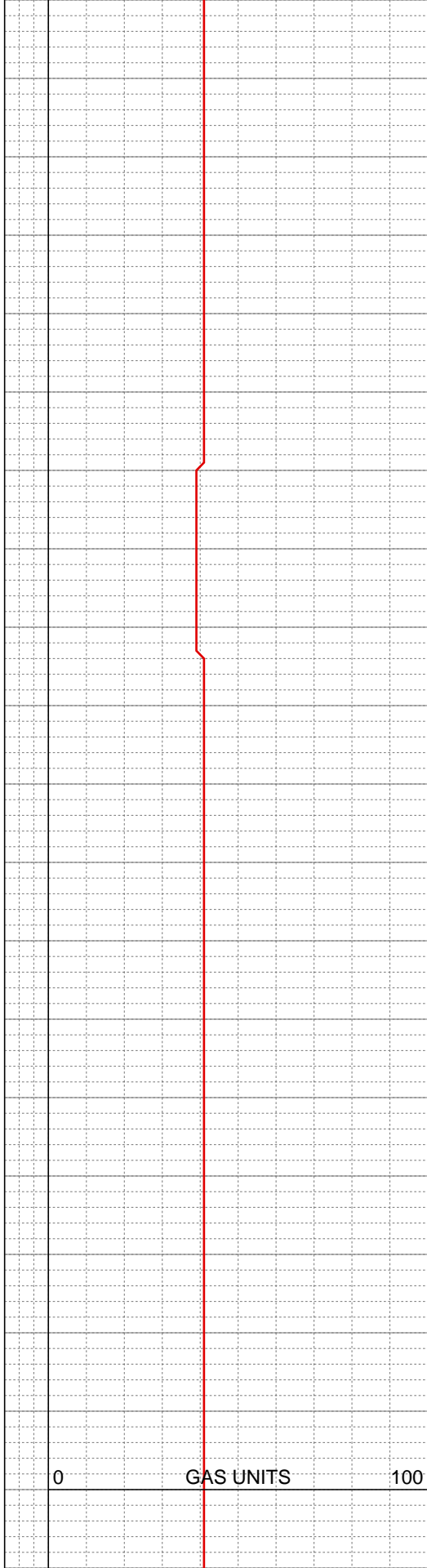
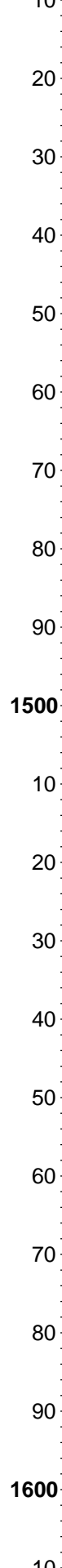
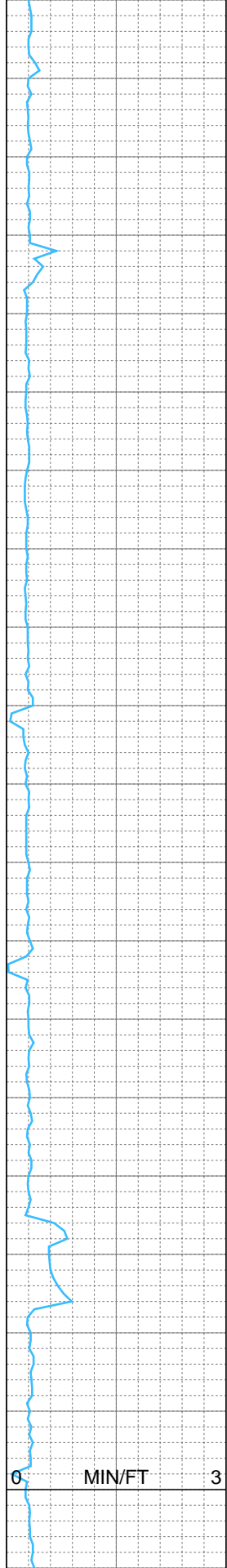


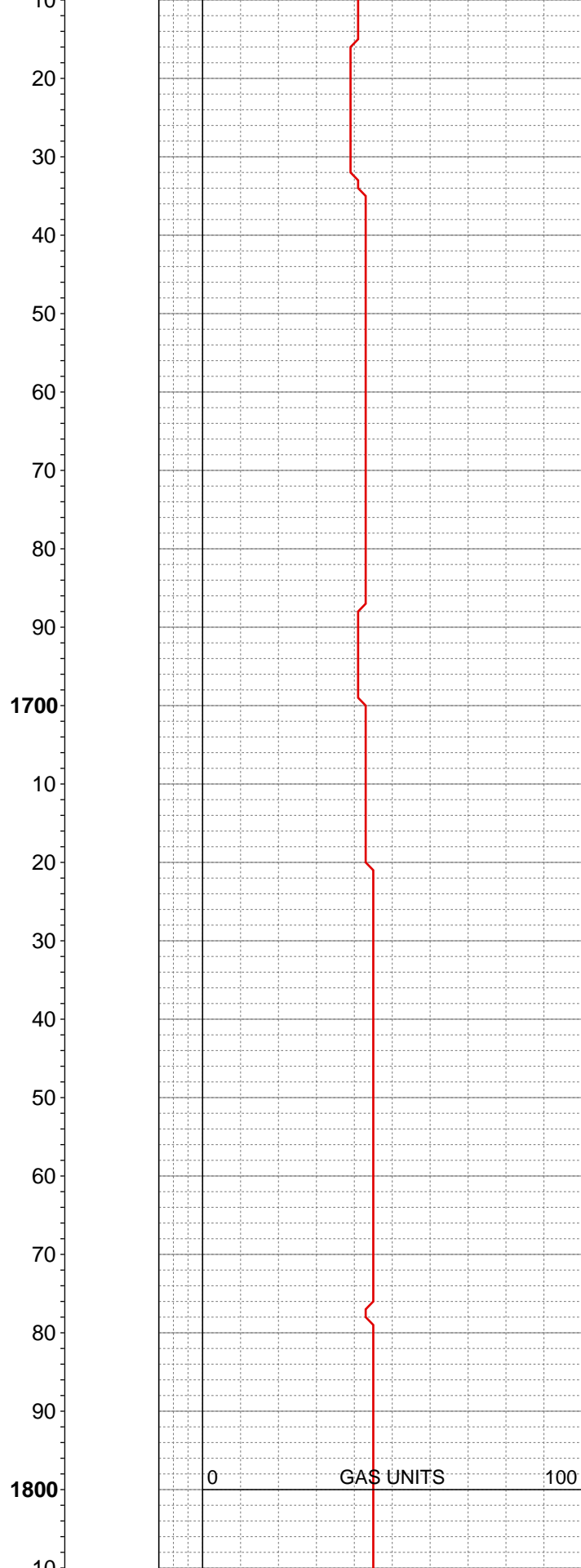
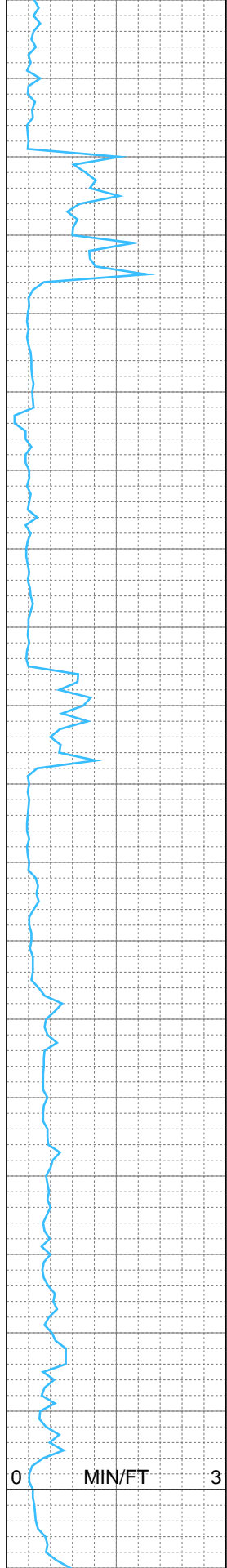
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1400  
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MUD WT. 9.0  
VIS 43

MUD WT. 9.1  
VIS 40



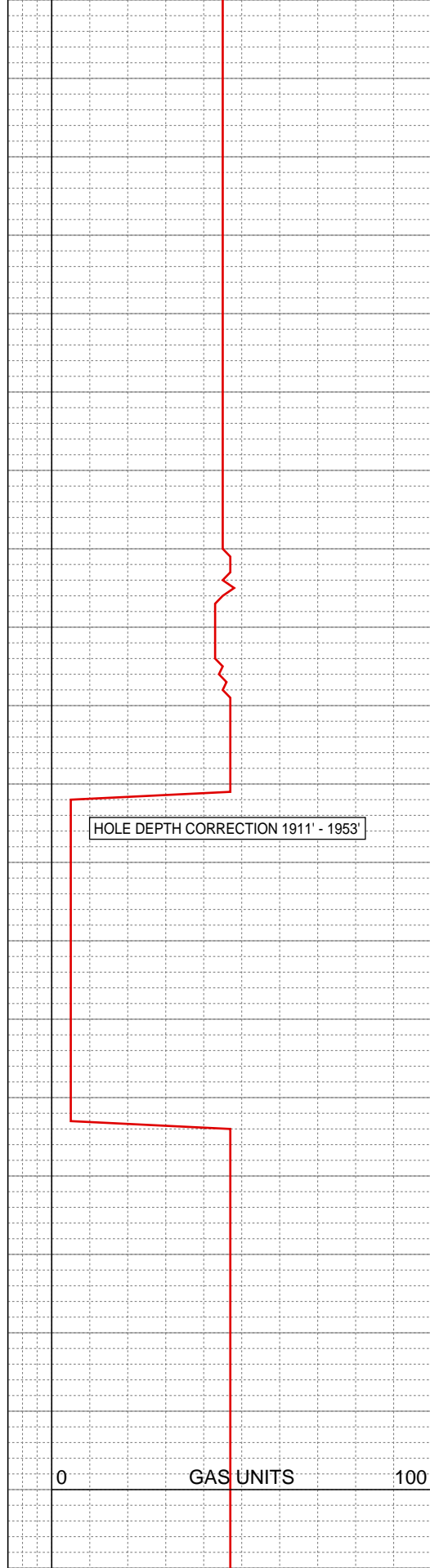
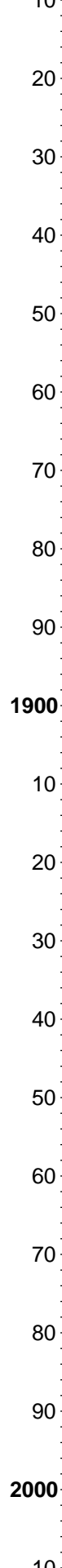
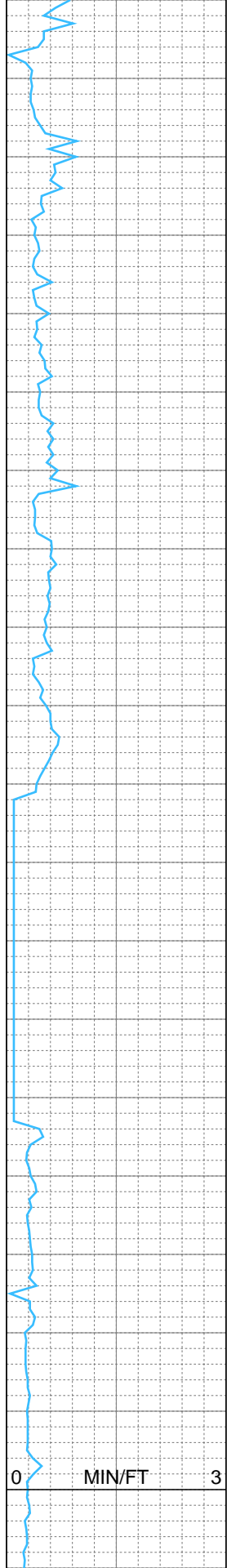


MUD WT. 9.1  
VIS 39

MUD WT. 9.1  
VIS 40

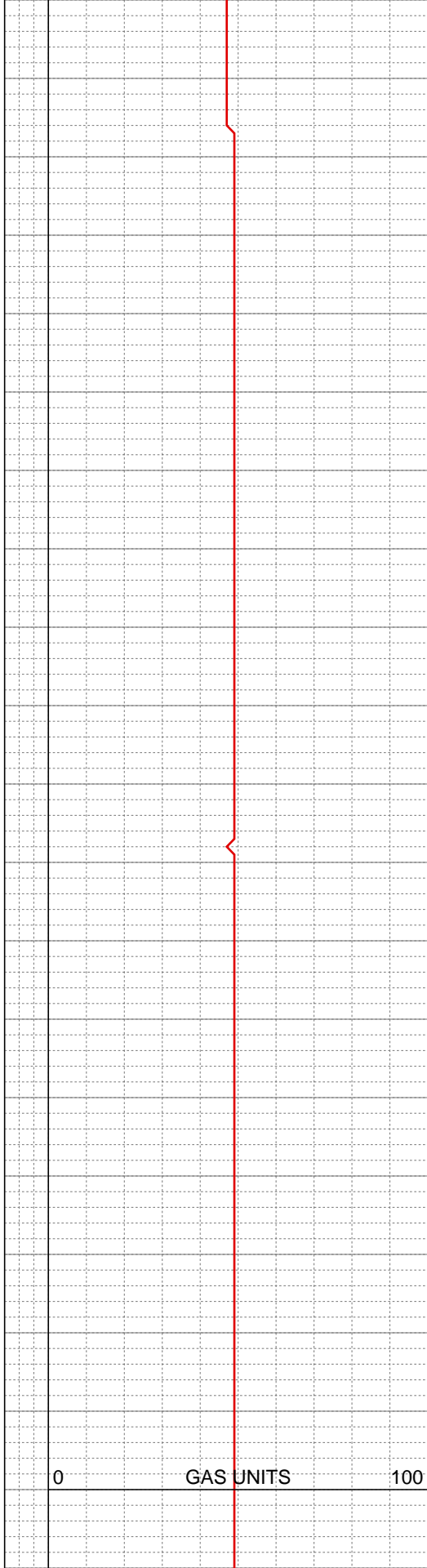
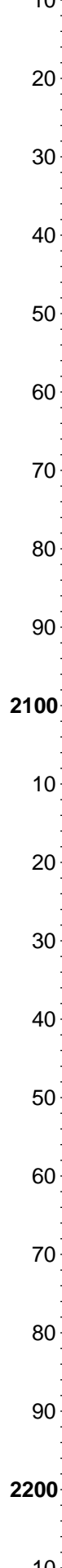
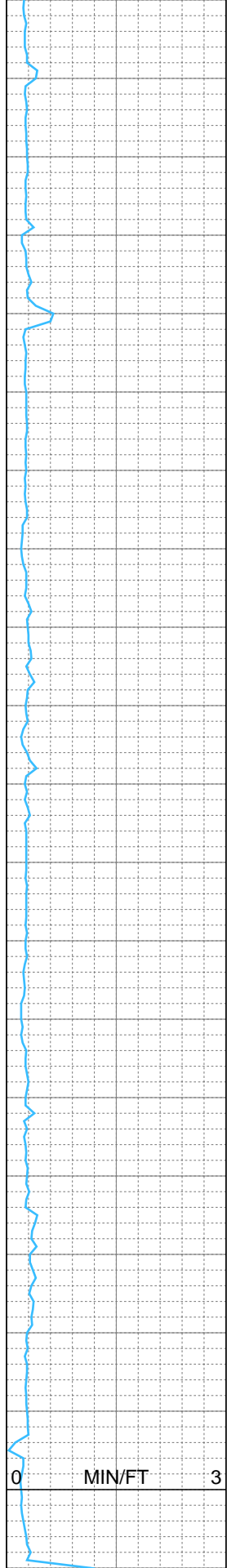
1700

1800



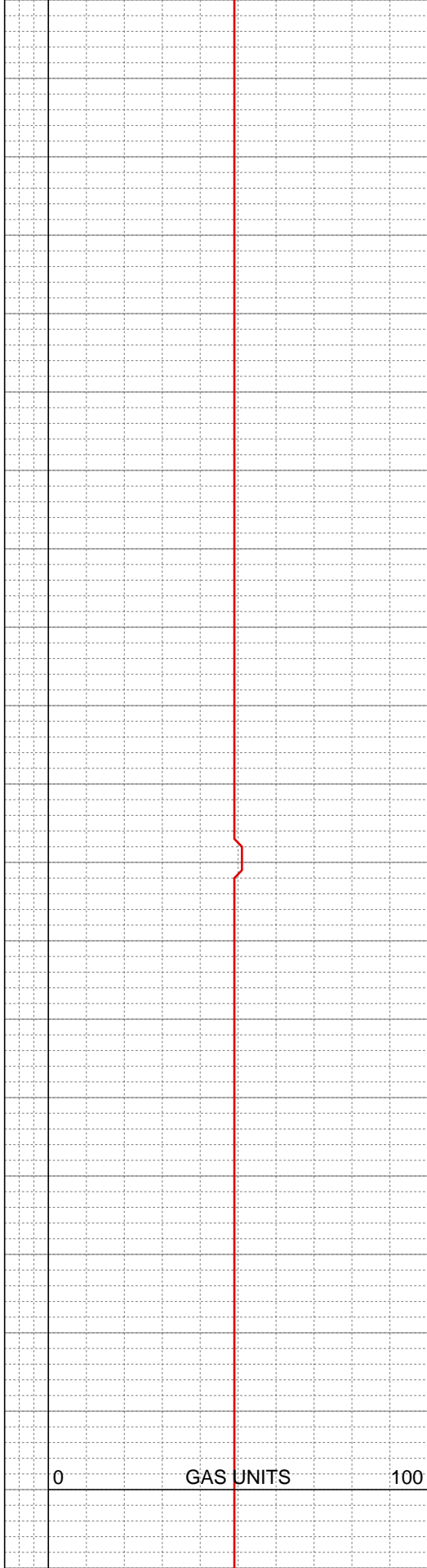
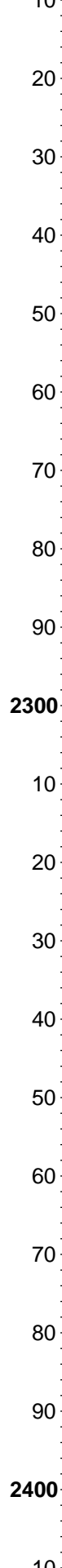
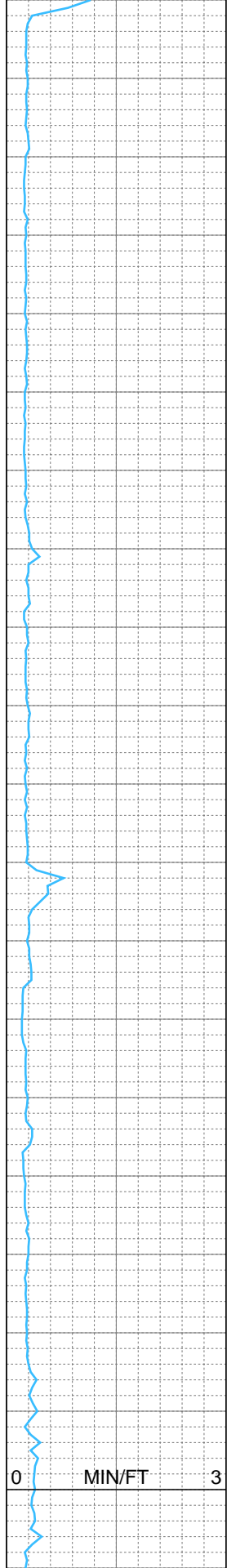
MUD WT. 10.0  
VIS 42

MUD WT. IN 9.1/OUT 9.1  
VIS IN 42/OUT 42



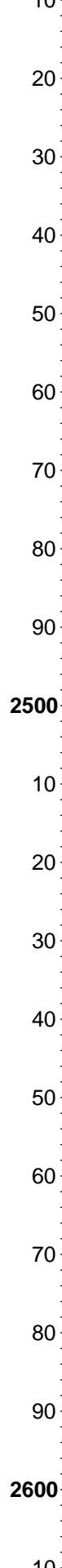
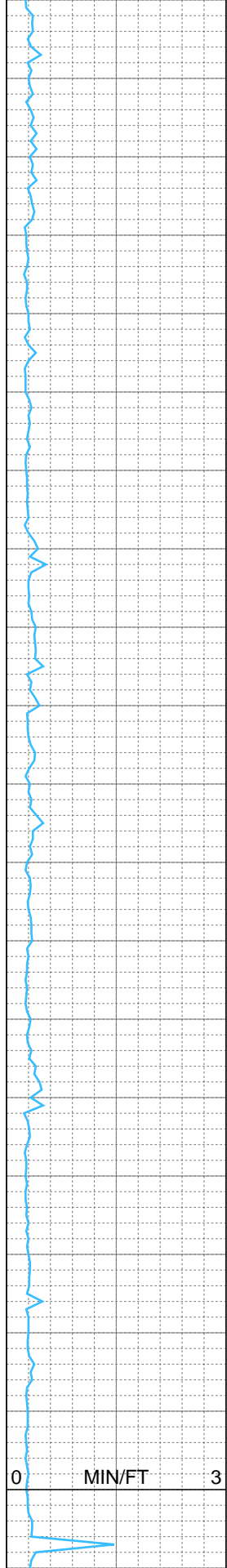
MUD WT. 9.4  
VIS 42





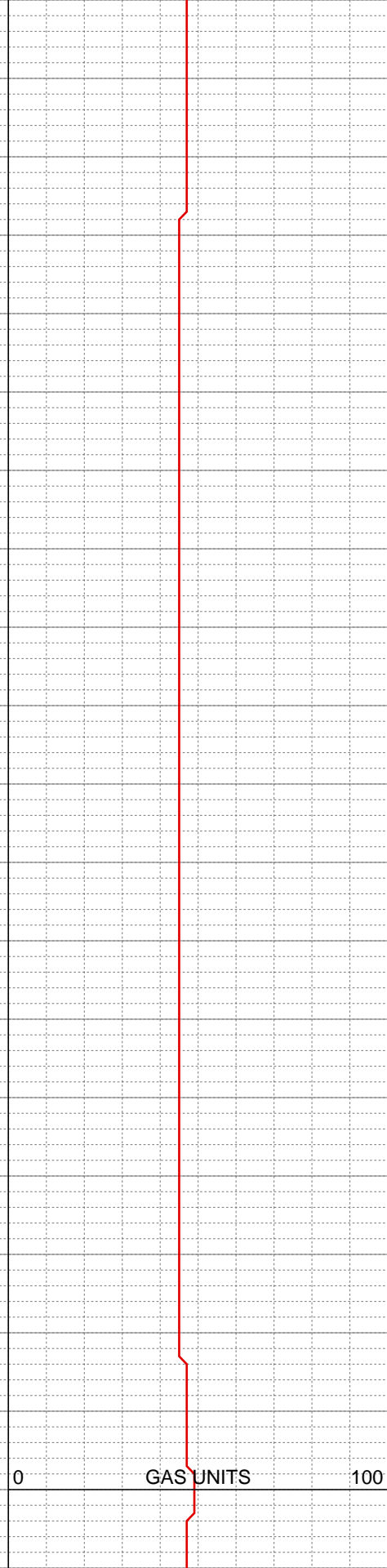
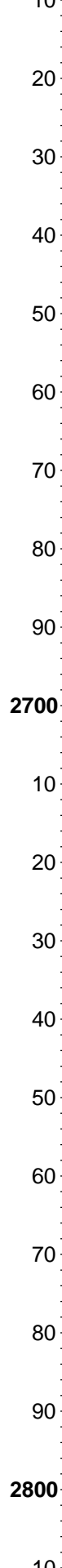
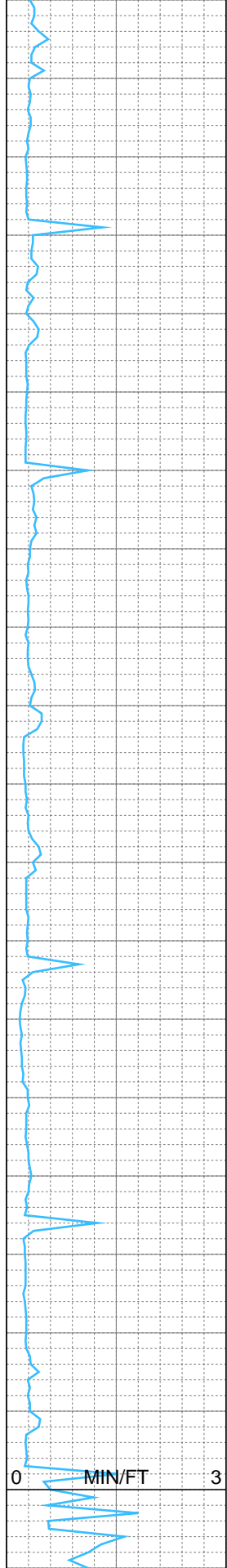
MUD WT. 9.2  
VIS 41

MUD WT. 9.2  
VIS 40



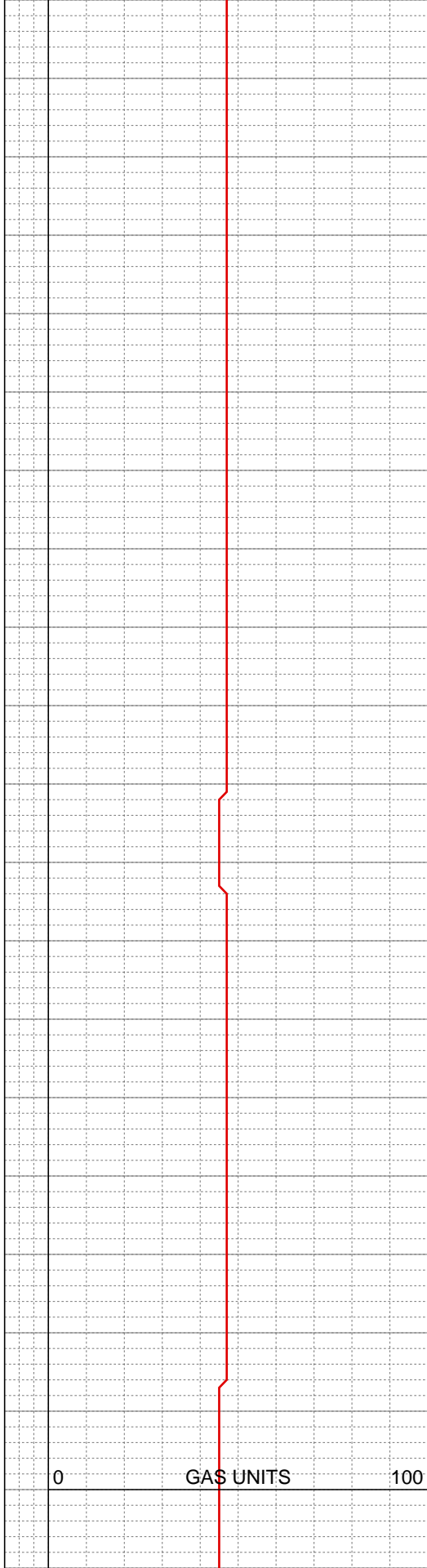
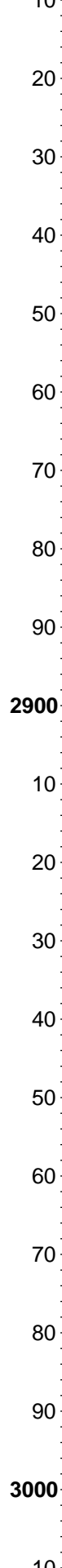
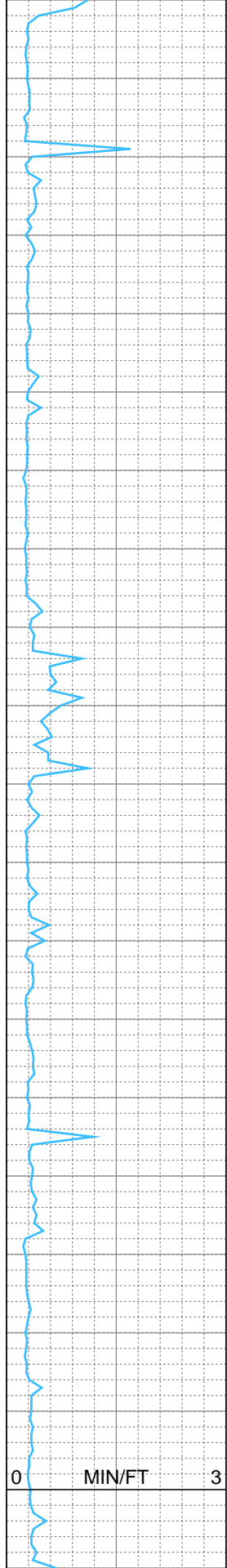
MUD WT. 9.3  
VIS 40

MUD WT. 9.3  
VIS 38



MUD WT. 9.3  
VIS 41

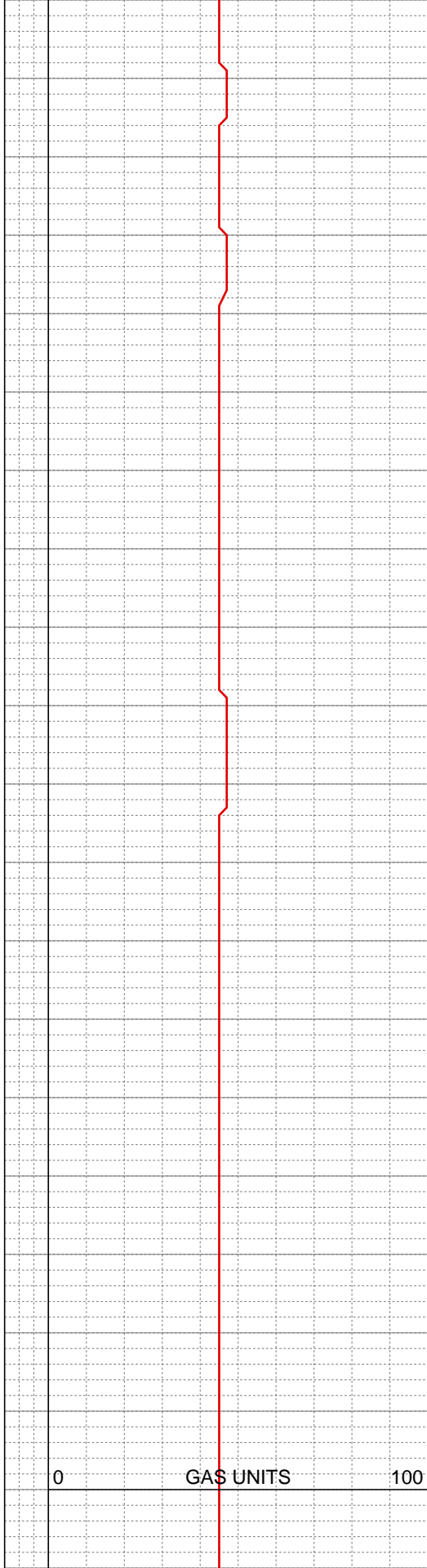
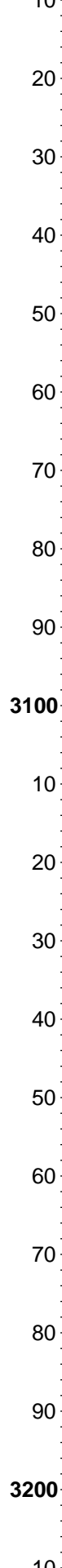
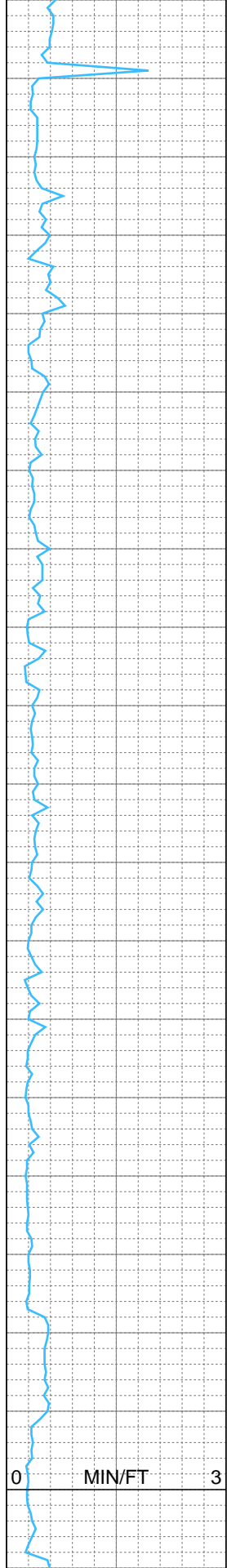
MUD WT. 9.3  
VIS 40



MUD WT. 9.3  
VIS 42

MUD WT. 9.2  
VIS 41

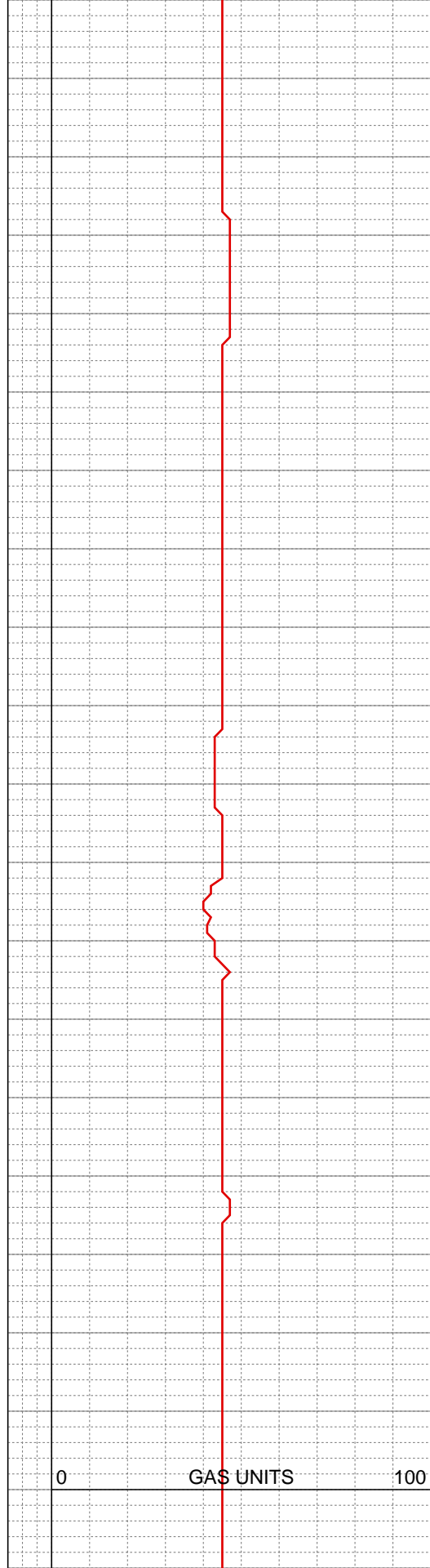
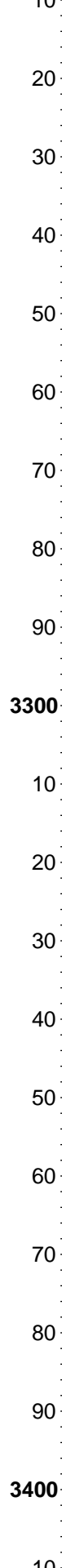
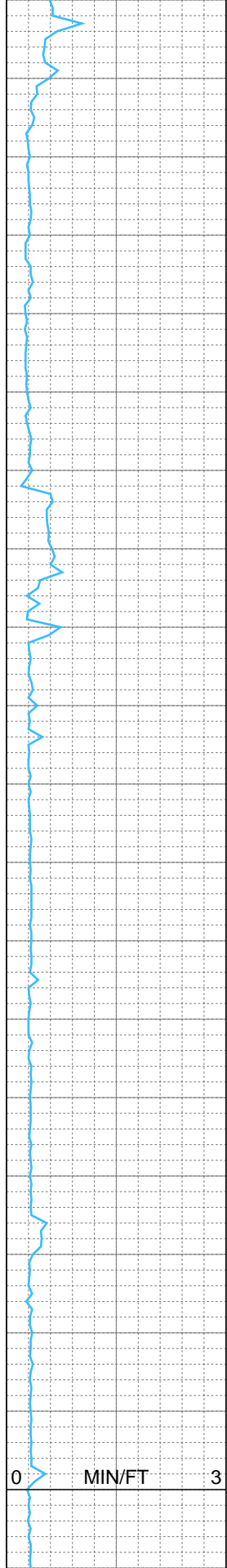
MUD WT. 9.2  
VIS 43



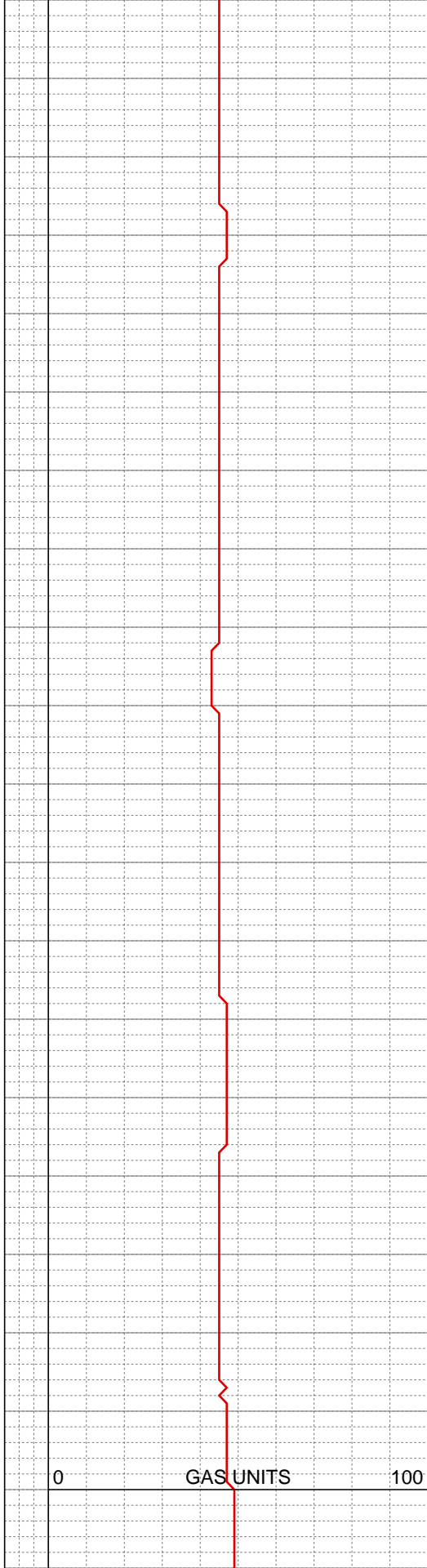
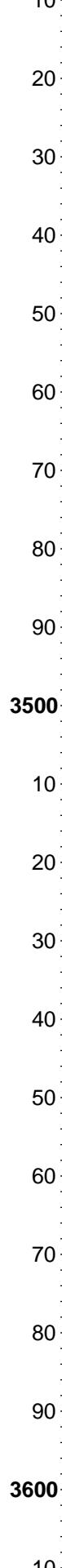
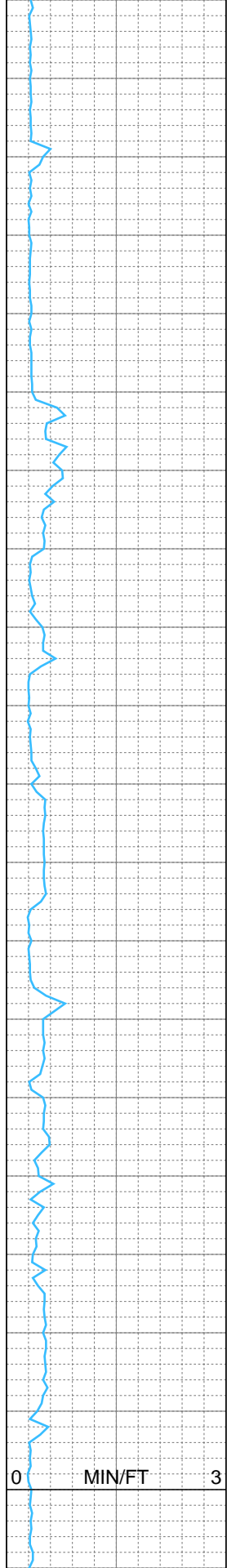
MUD WT. 9.3  
VIS 41

MUD WT. 9.3  
VIS 40

MUD WT. 9.3  
VIS 40

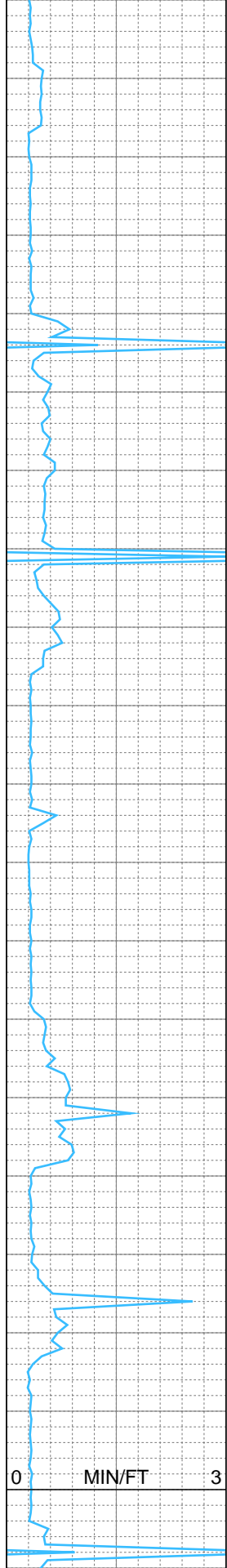


MUD WT. 9.3  
VIS 27

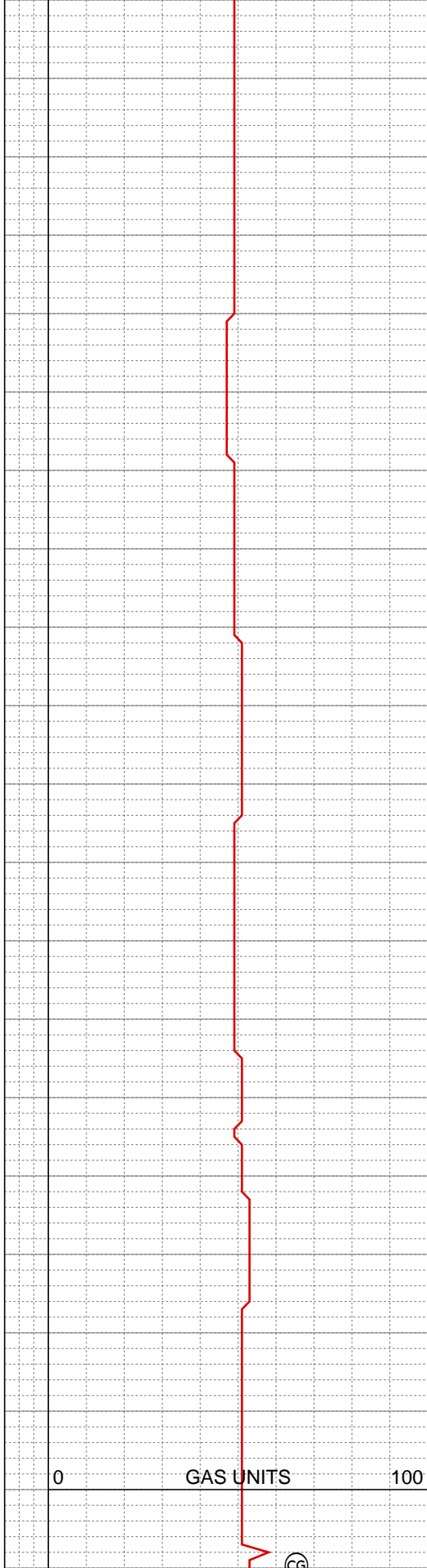


MUD WT. 9.3  
VIS 38

MUD WT. IN 9.3/OUT 9.3  
VIS IN 41/OUT 46



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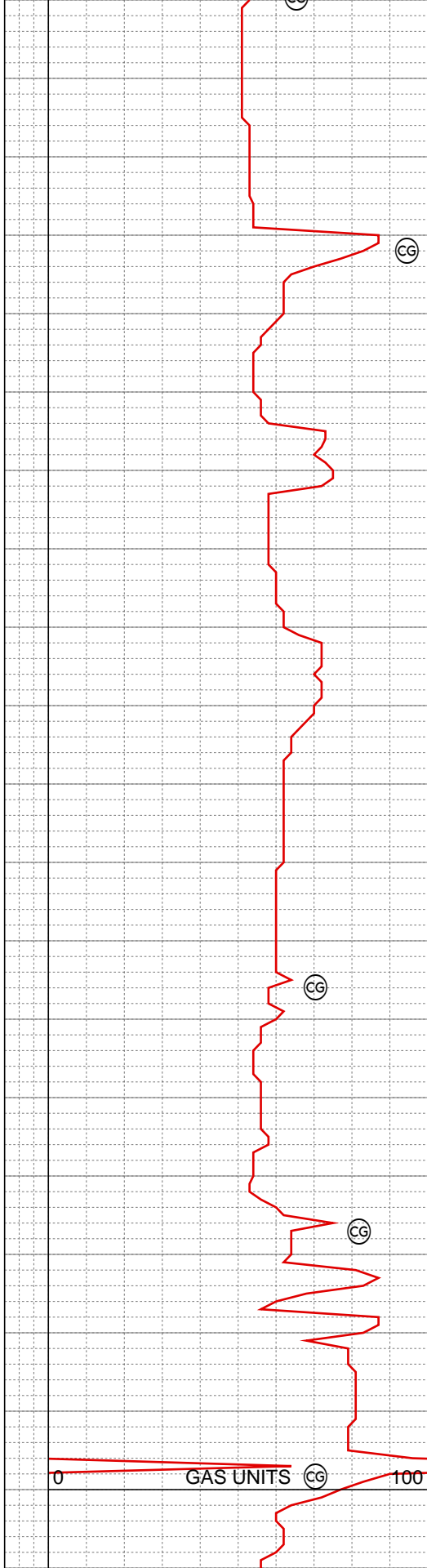
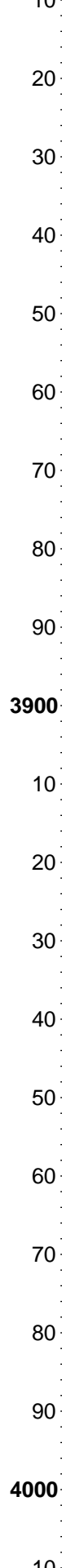
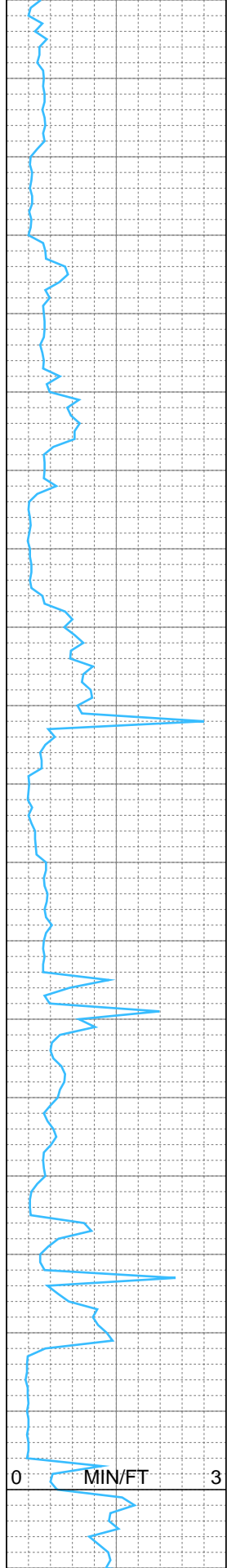
MUD WT. 9.4  
VIS 42

MUD WT. 9.5  
VIS 46

0 MIN/FT 3

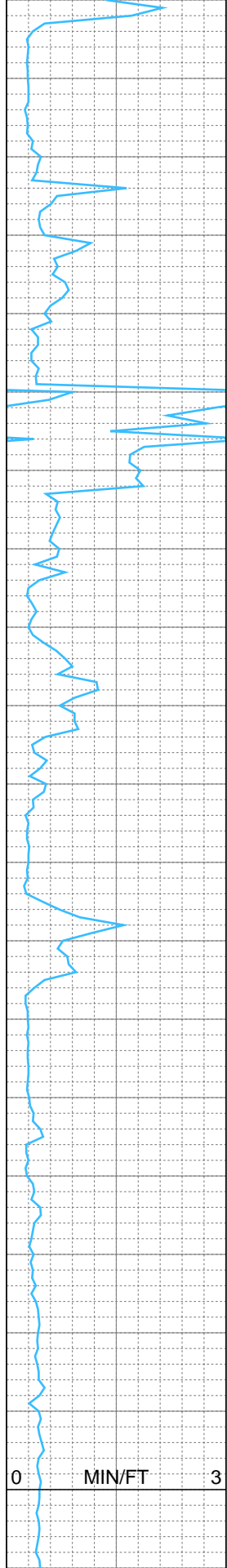
0 GAS UNITS 100



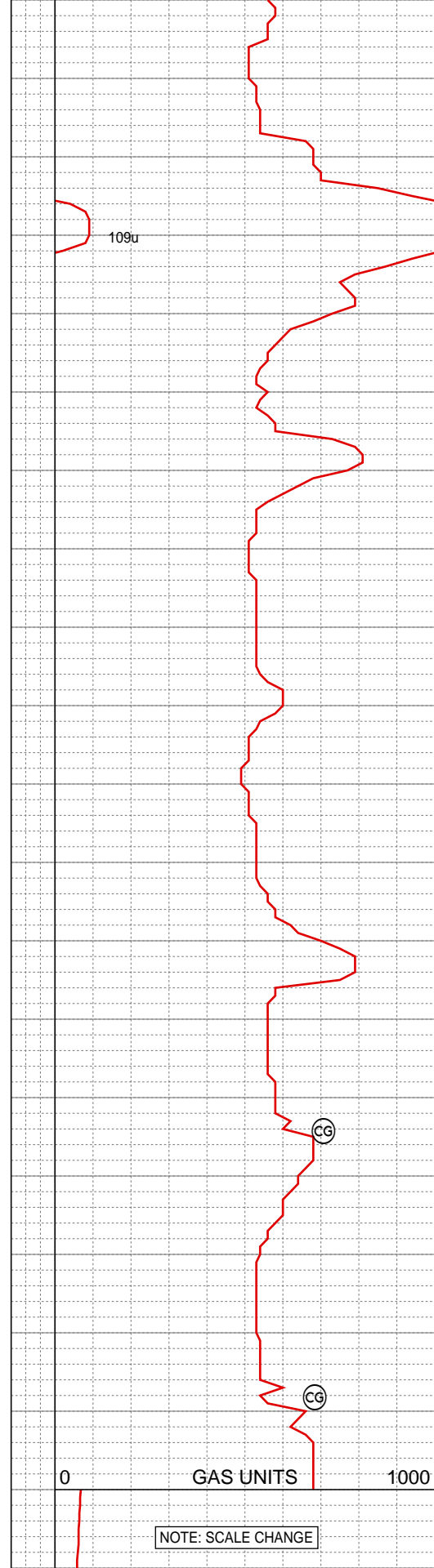


MUD WT. 9.5  
VIS 43

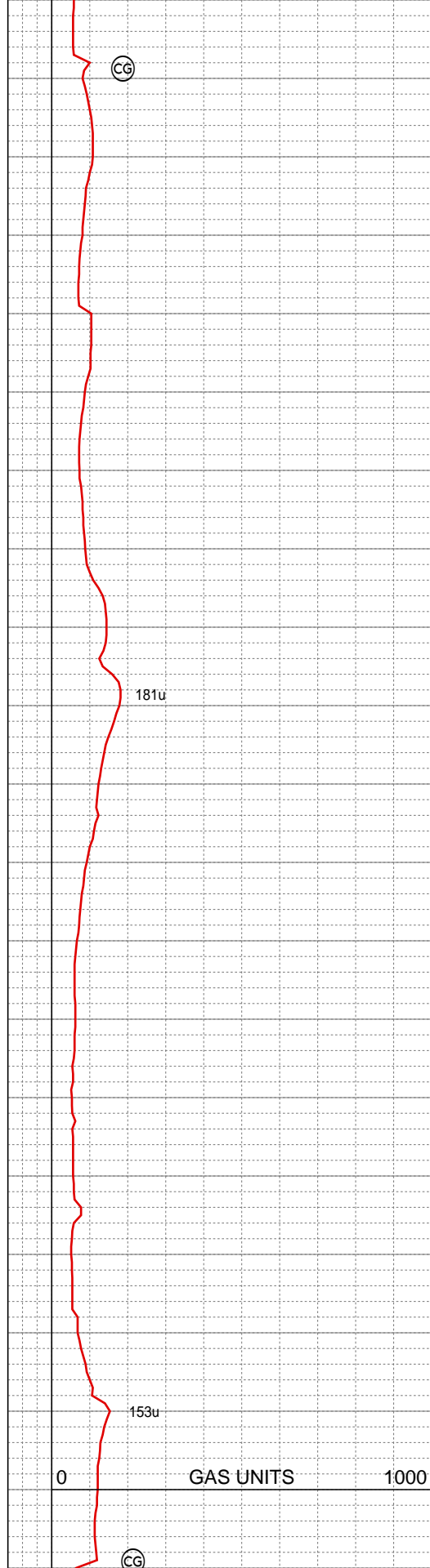
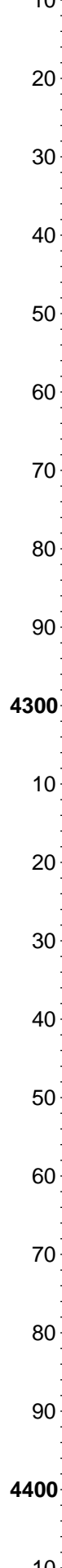
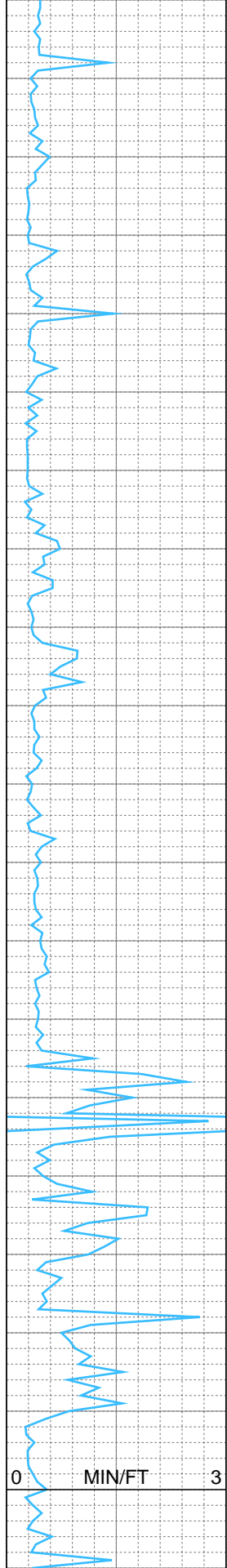
MUD WT. 9.5  
VIS 42



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4200  
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MUD WT. 9.6  
VIS 44



CG

181u

153u

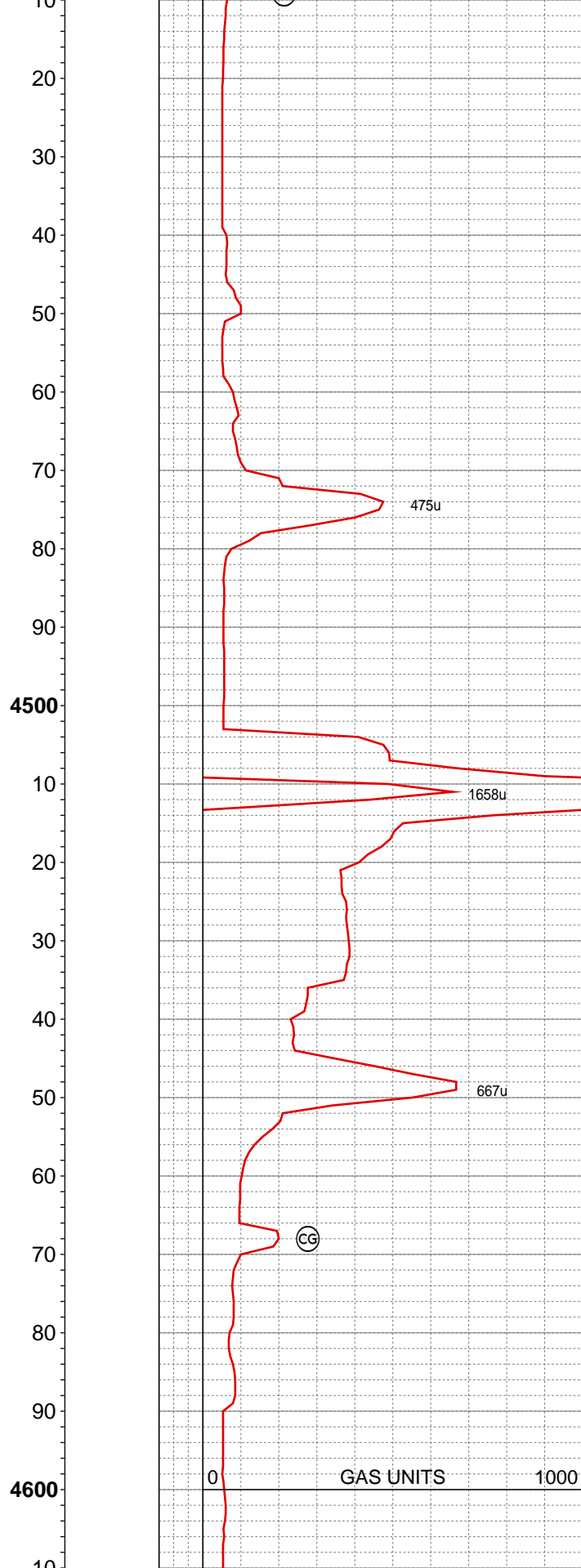
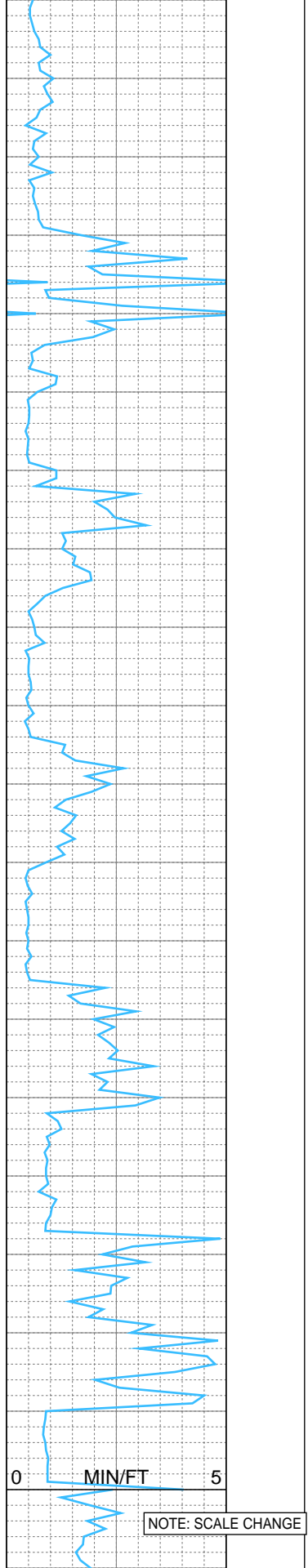
CG

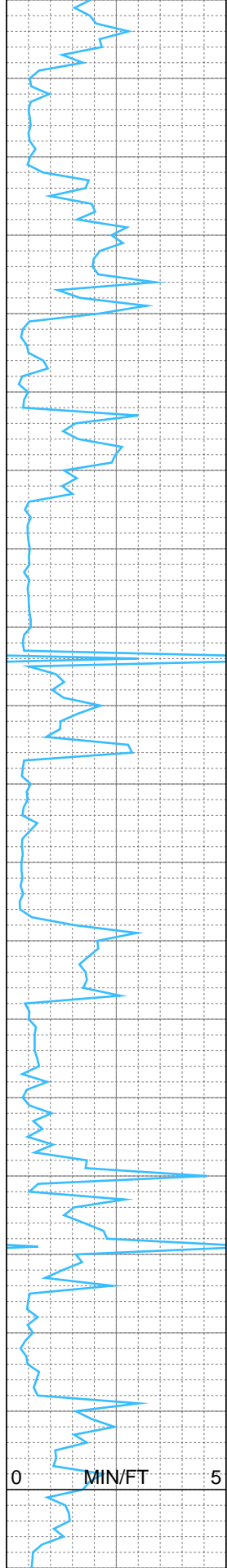
MUD WT. 9.6+  
VIS 45

MUD WT. 9.7  
VIS 52

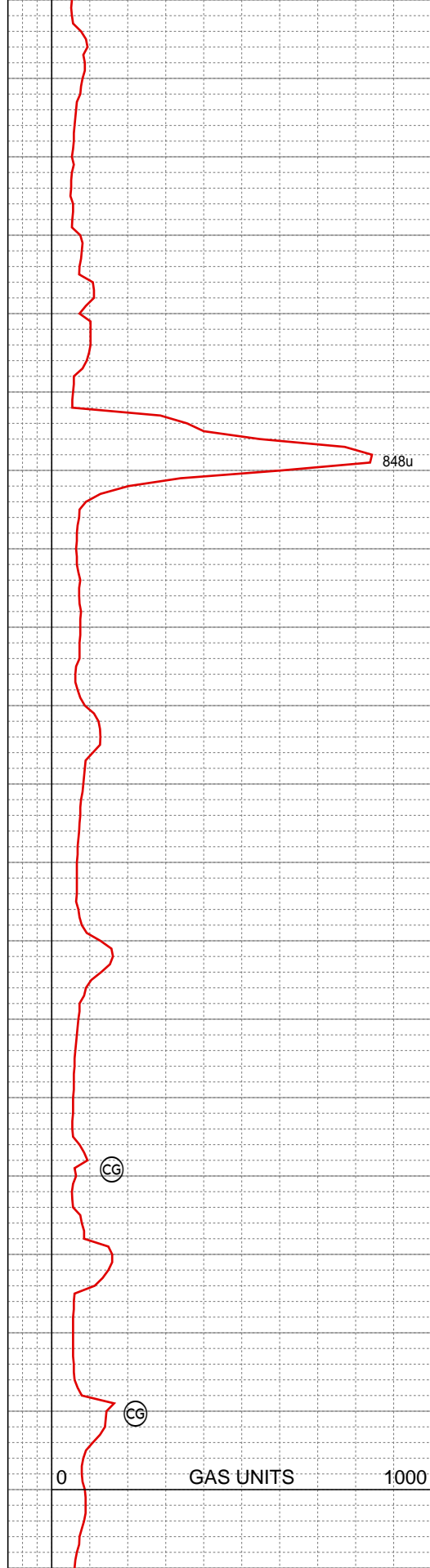
MUD WT. 9.7  
VIS 48

MUD WT. 9.7+  
VIS 47



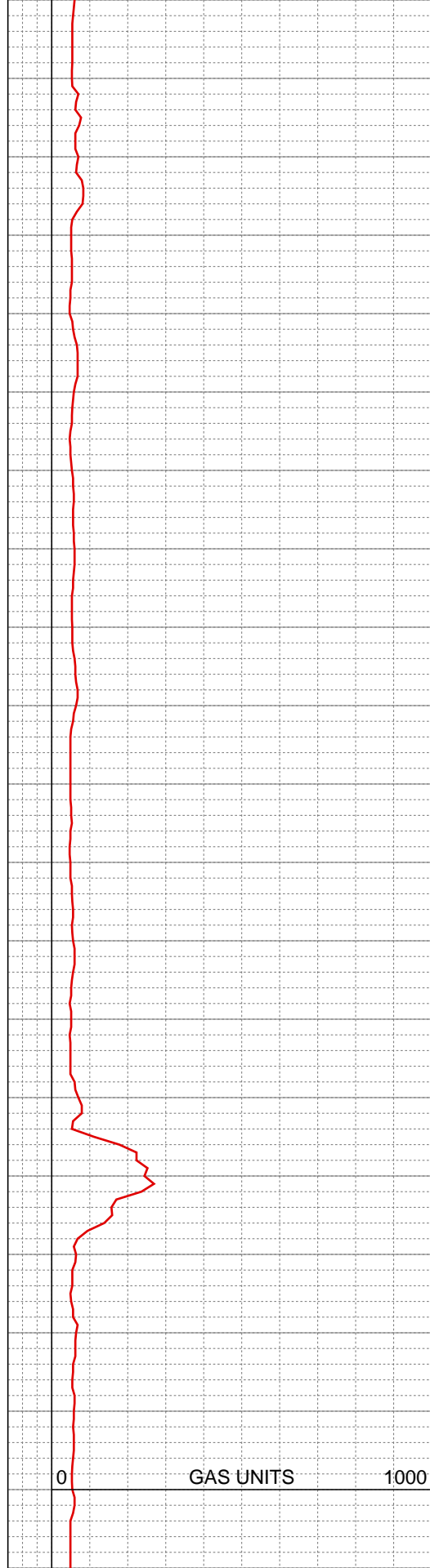
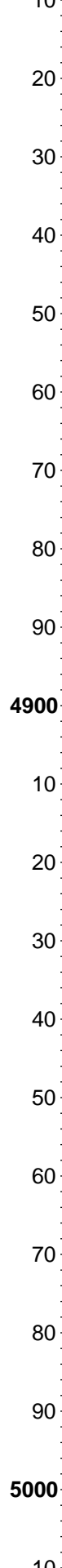
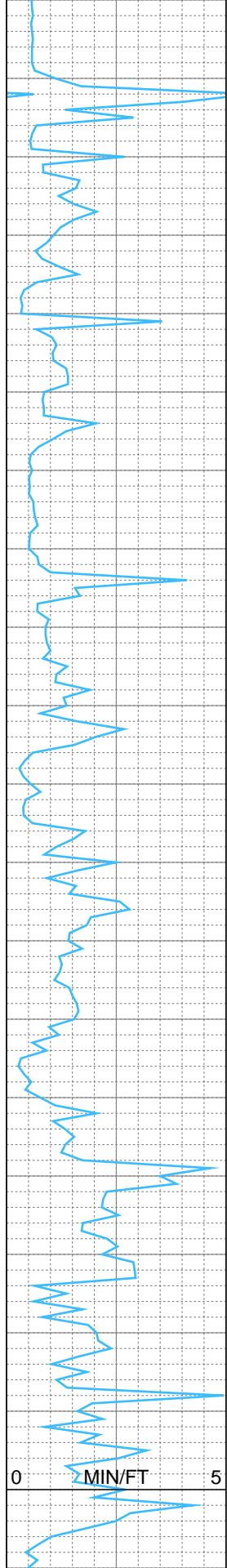


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MUD WT. 9.8  
VIS 47

MUD WT. 9.7  
VIS 52



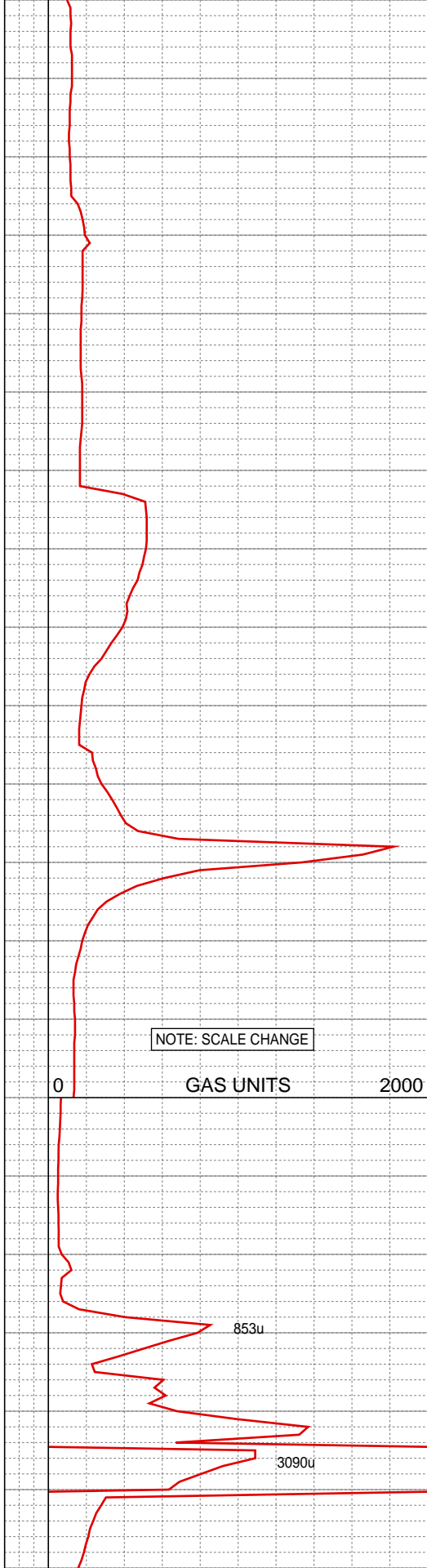
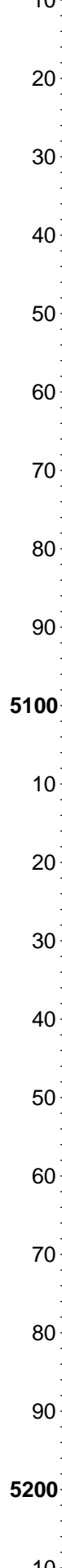
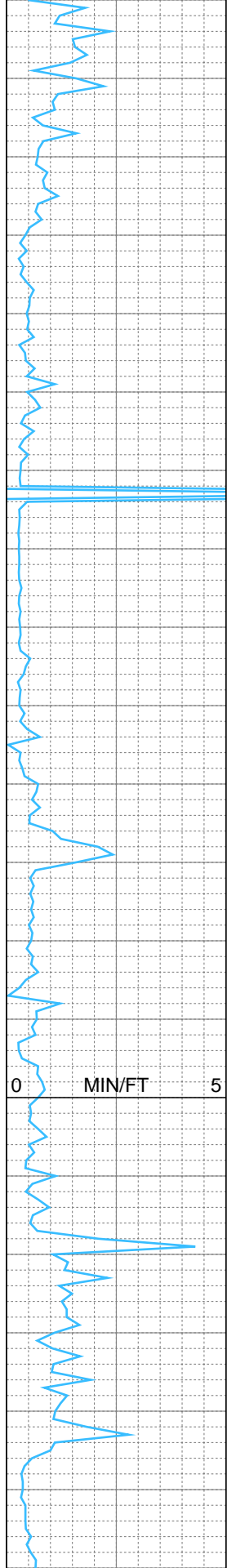
MUD WT. 9.7  
VIS 50

MUD WT. 9.7  
VIS 47

MUD WT. 9.7+  
VIS 46

MUD WT. 9.7  
VIS 44

MUD WT. 9.7  
VIS 47



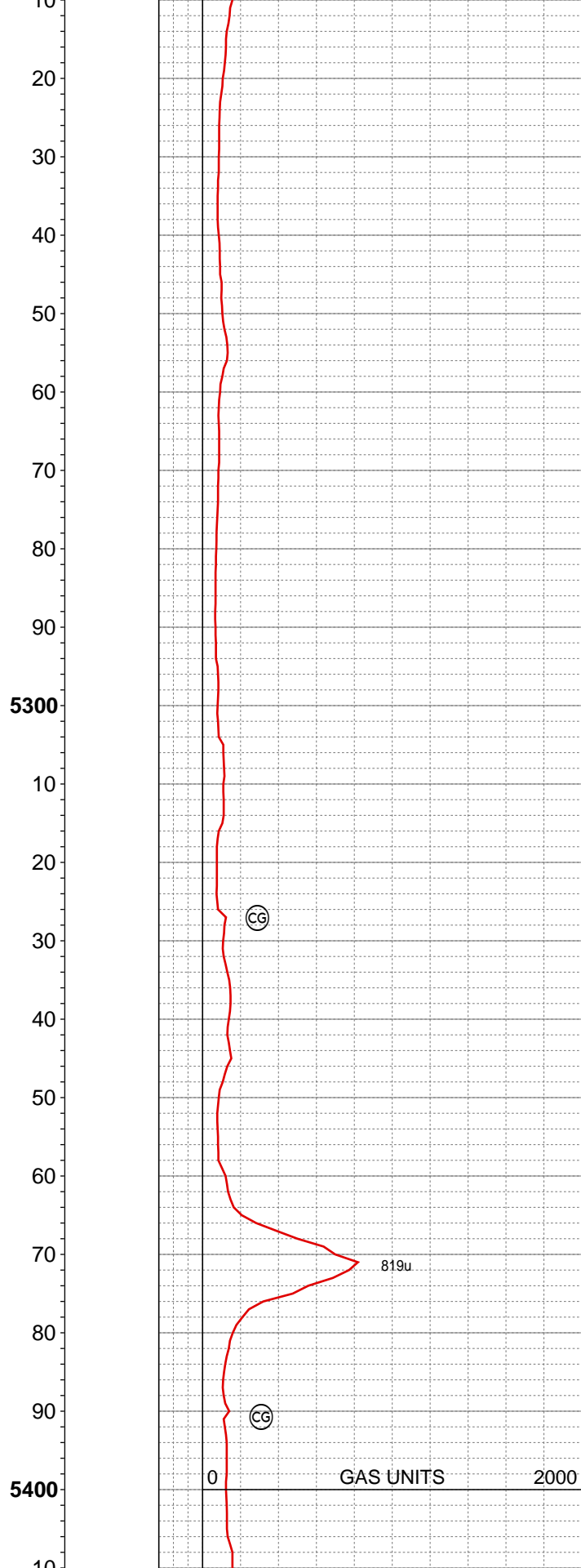
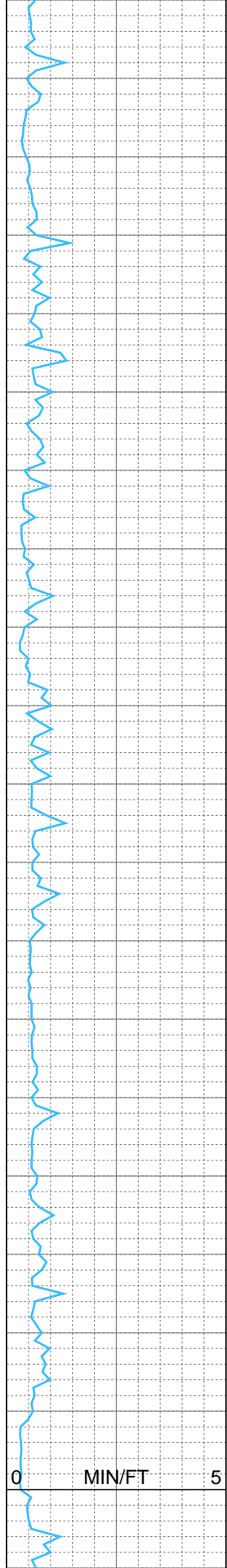
MUD WT. 9.4  
VIS 46

MUD WT. 9.6  
VIS 48

MUD WT. 9.5+  
VIS 44

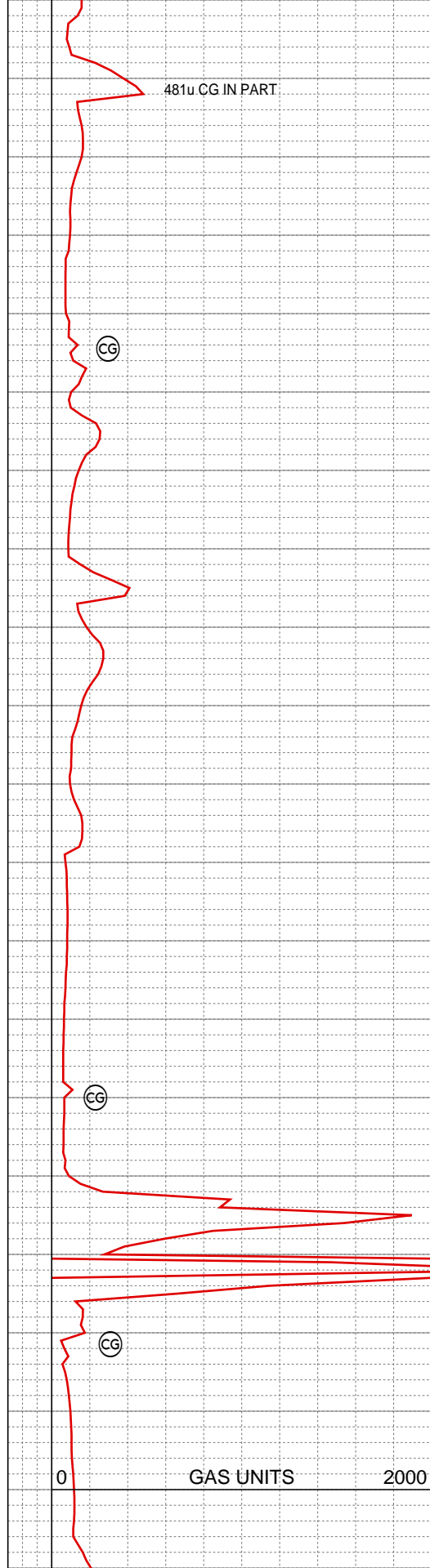
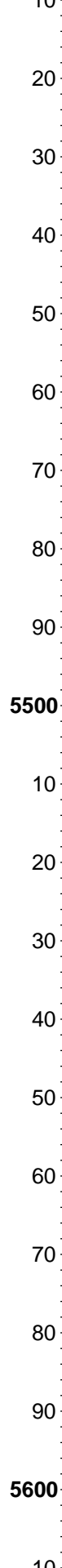
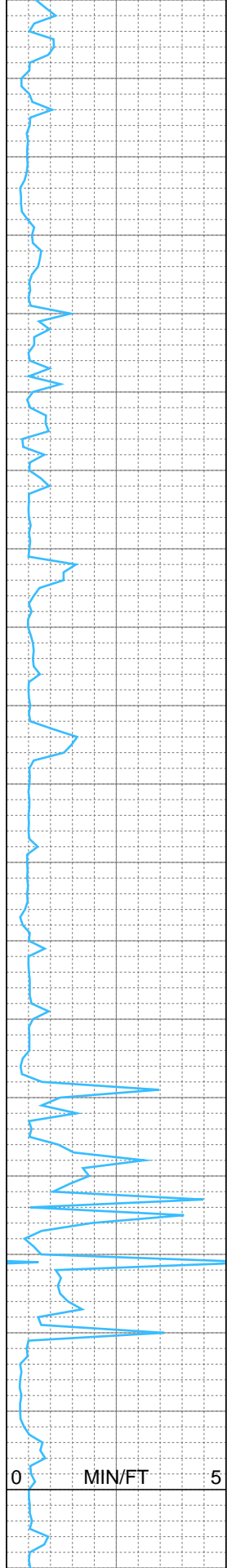
853u

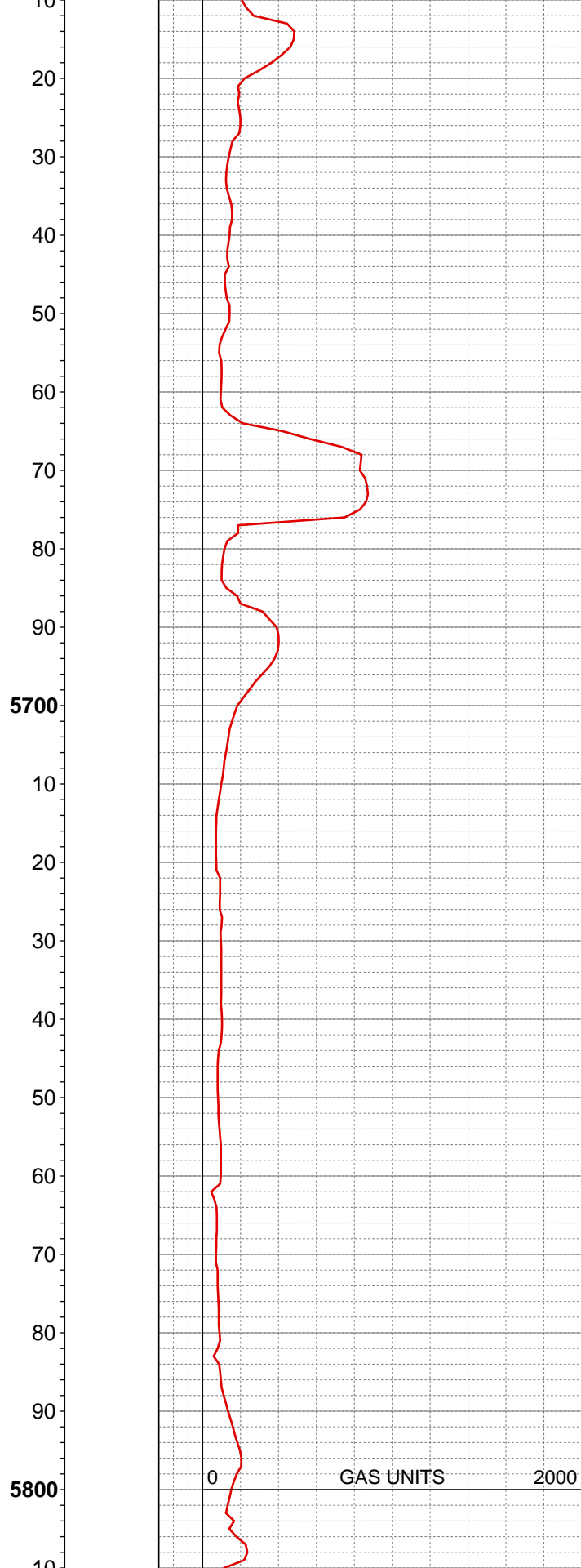
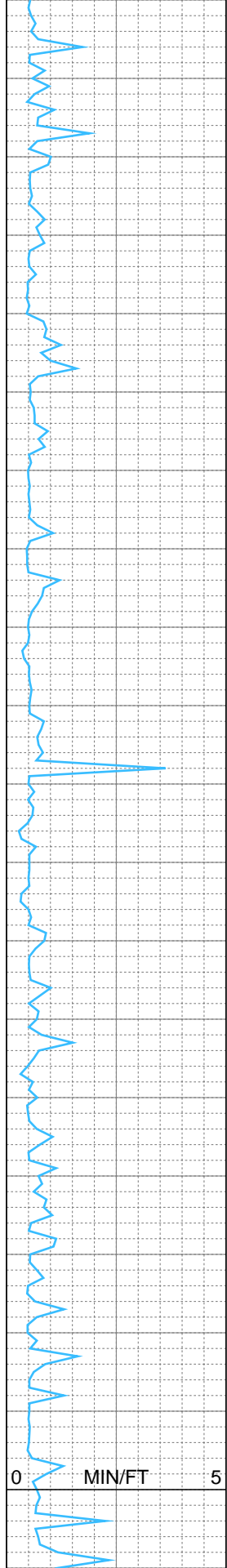
3090u



MUD WT. 9.6  
VIS 43

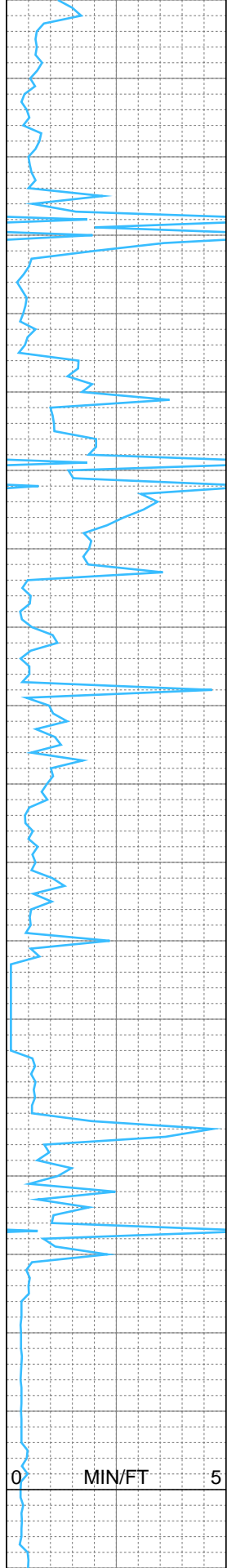




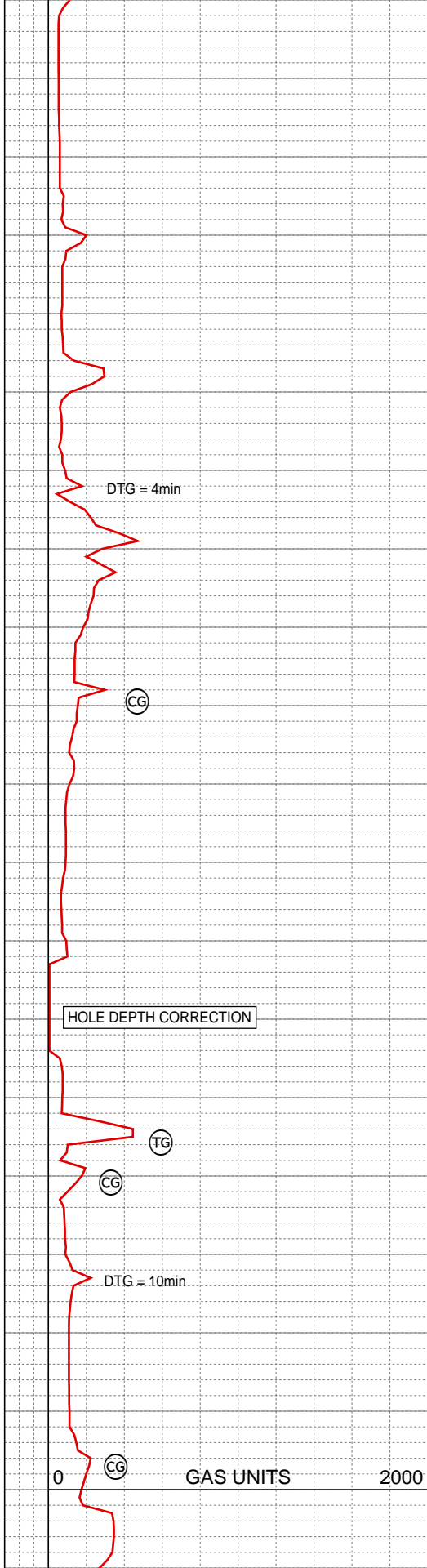


MUD WT. 9.5+  
VIS 49

MUD WT. 9.6  
VIS 58



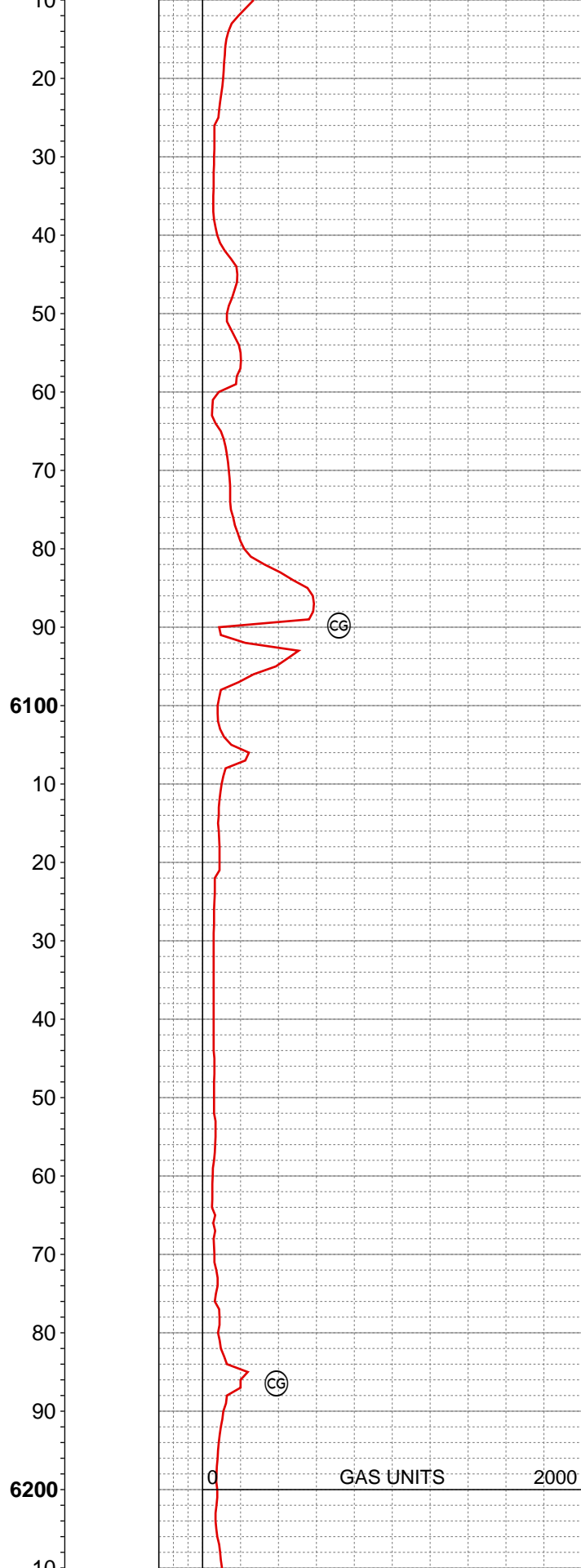
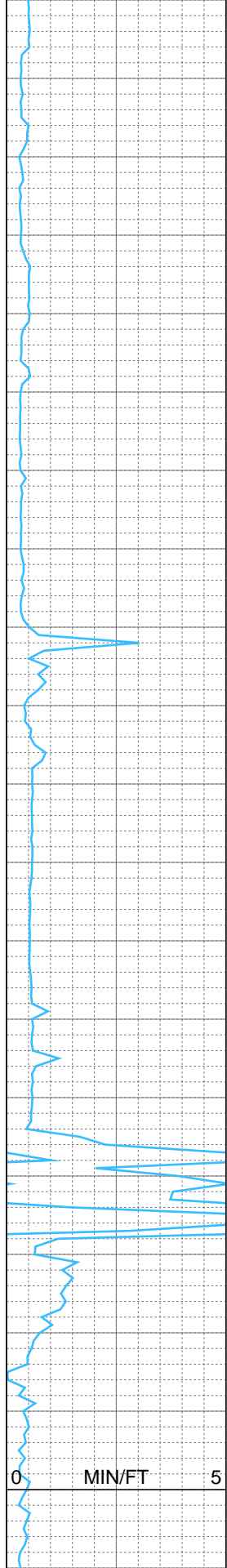
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6000  
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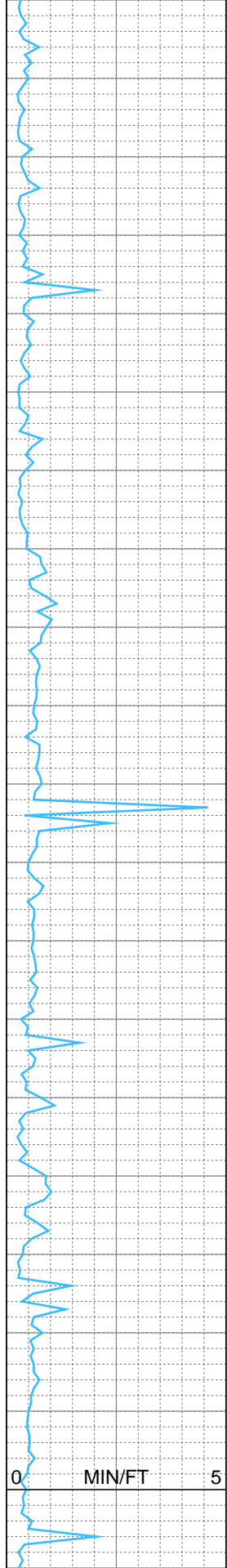
MUD WT. 9.6  
VIS 57

MUD WT. 9.3  
VIS 43

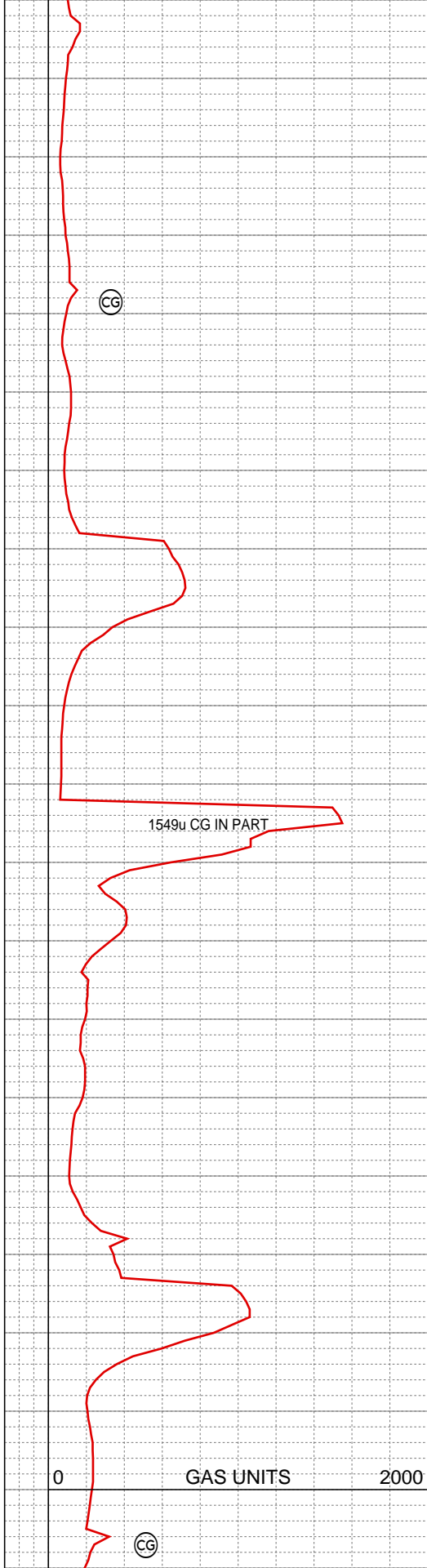
TRIP GAS = 460u  
MUD WT. 9.2  
VIS 45



MUD WT. 9.1  
VIS 51



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6300  
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6400  
10

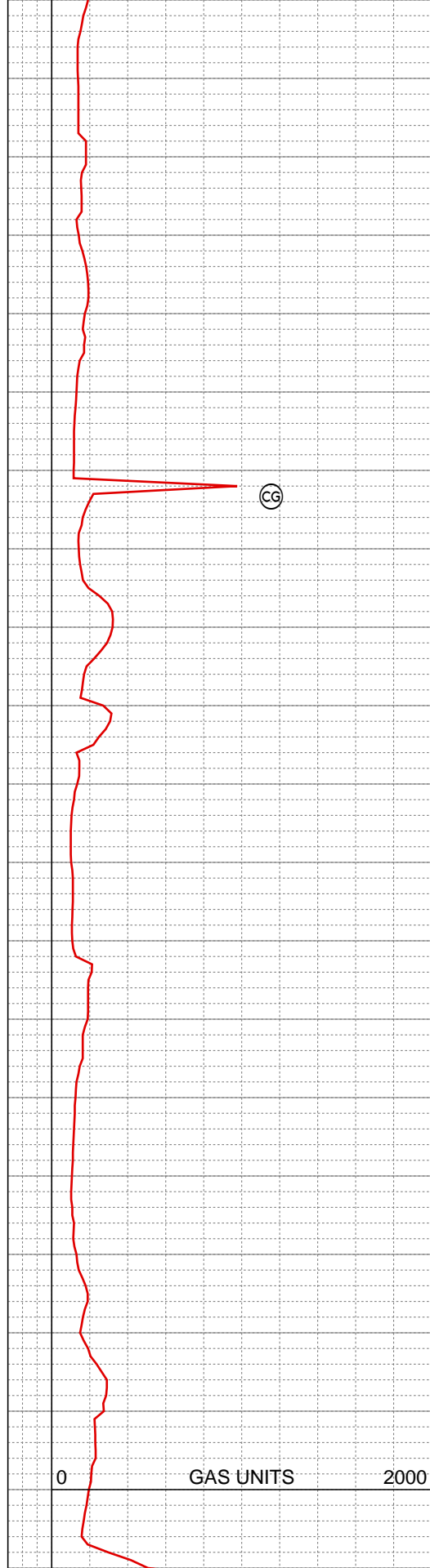
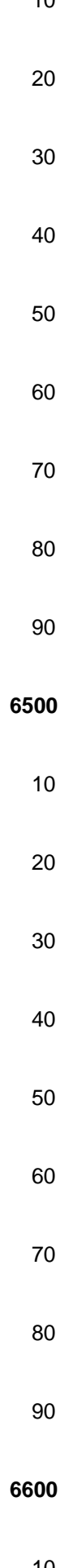
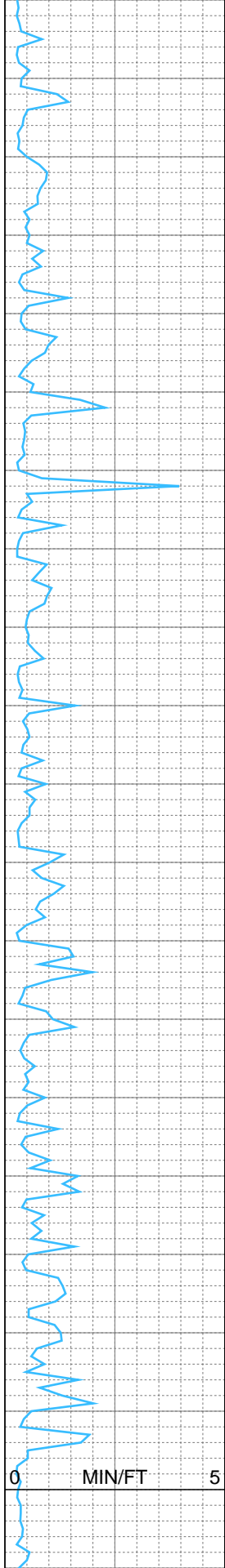


MUD WT. 9.3+  
VIS 50

MUD WT. 9.4  
VIS 49

MUD WT. 9.5  
VIS 54

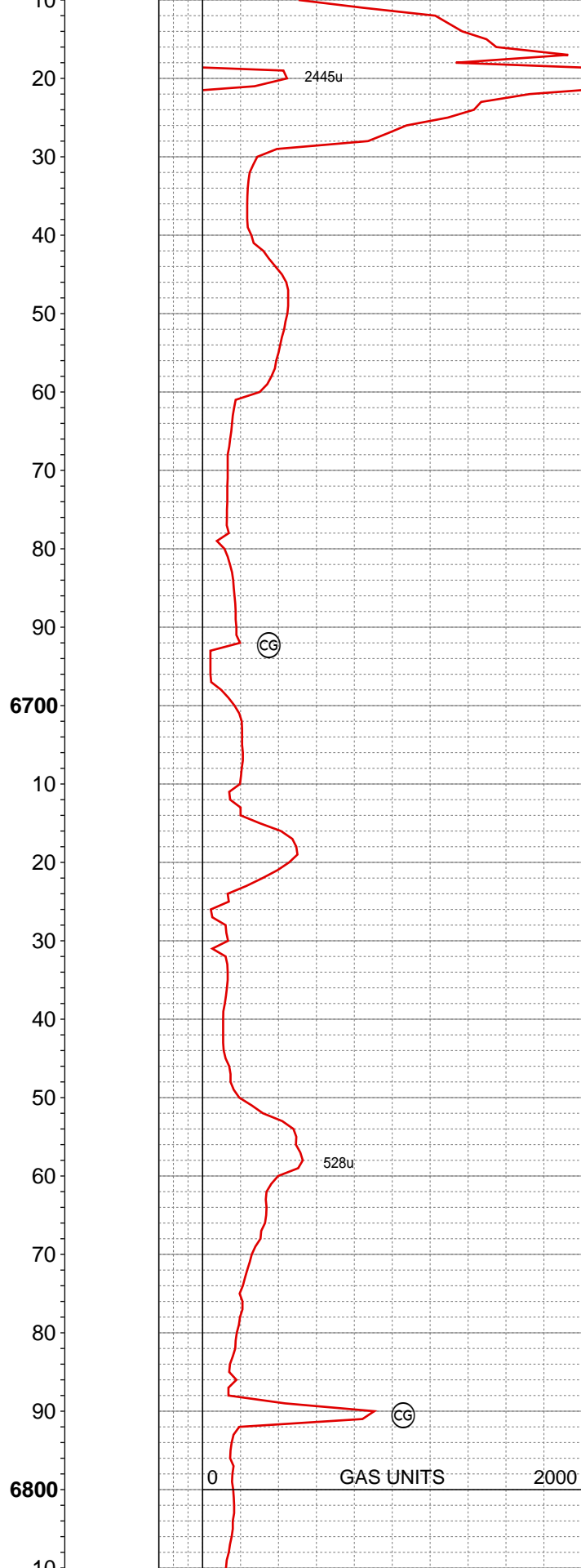
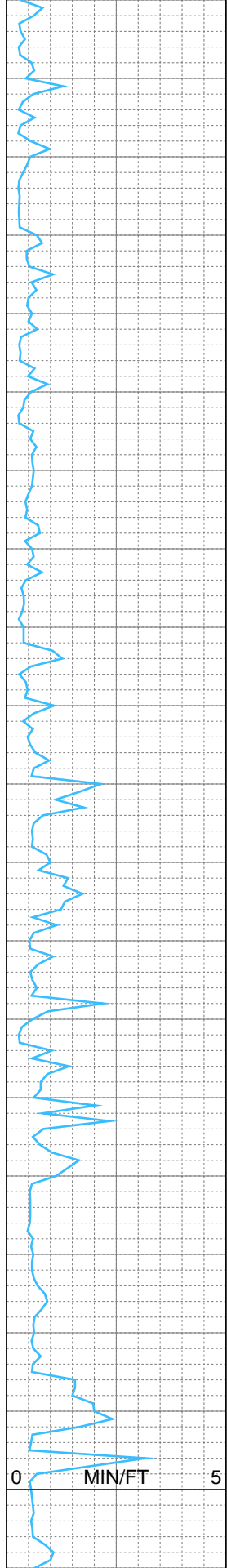
1549u CG IN PART



MUD WT. 9.5+  
VIS 51

MUD WT. 9.5+  
VIS 53

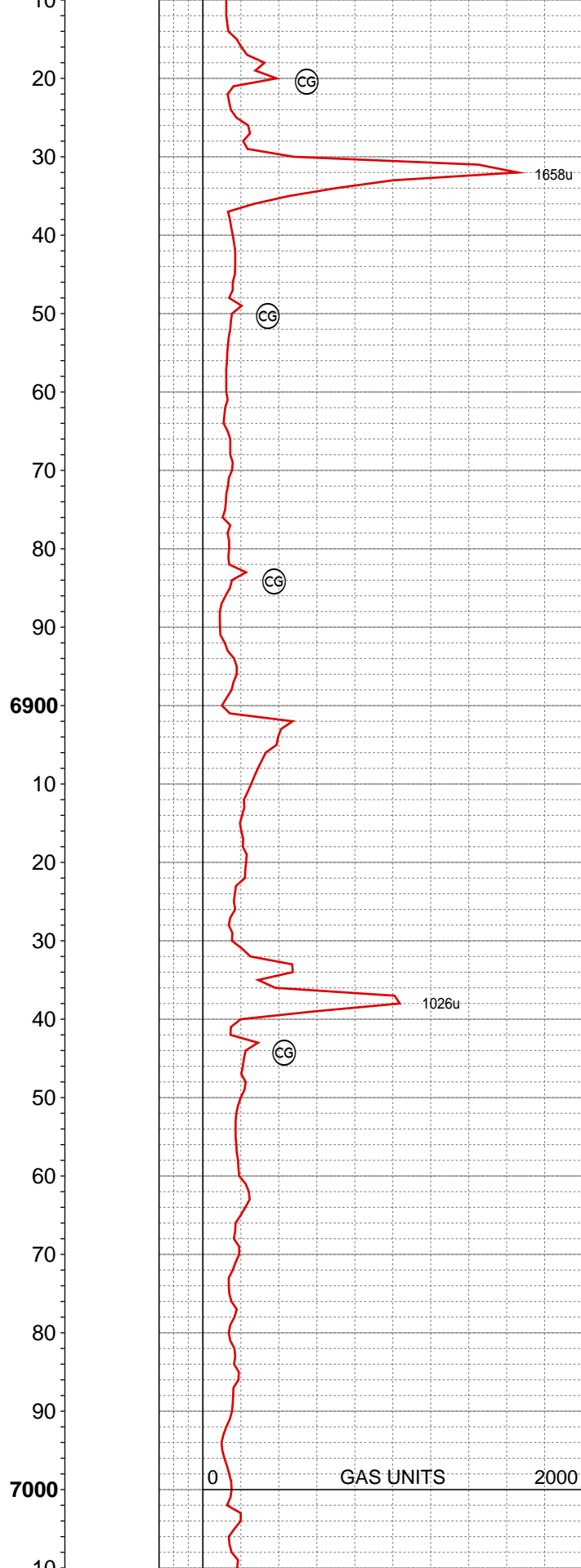
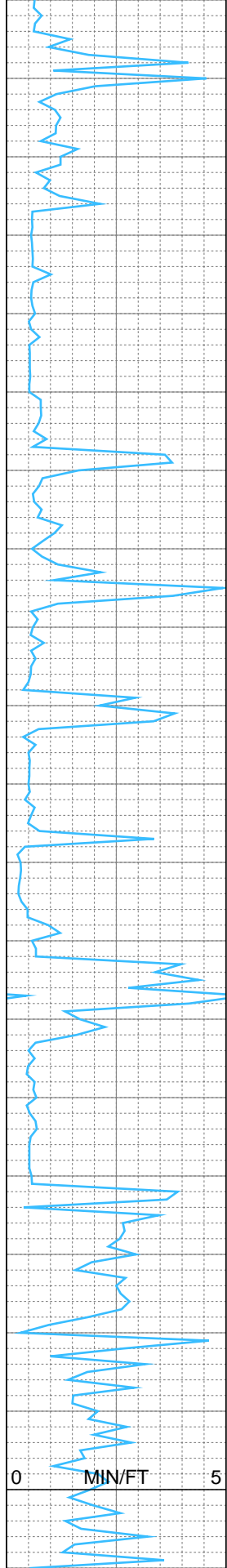
MUD WT. 9.6  
VIS 59



MUD WT. 9.6+  
VIS 57

MUD WT. 9.7  
VIS 56

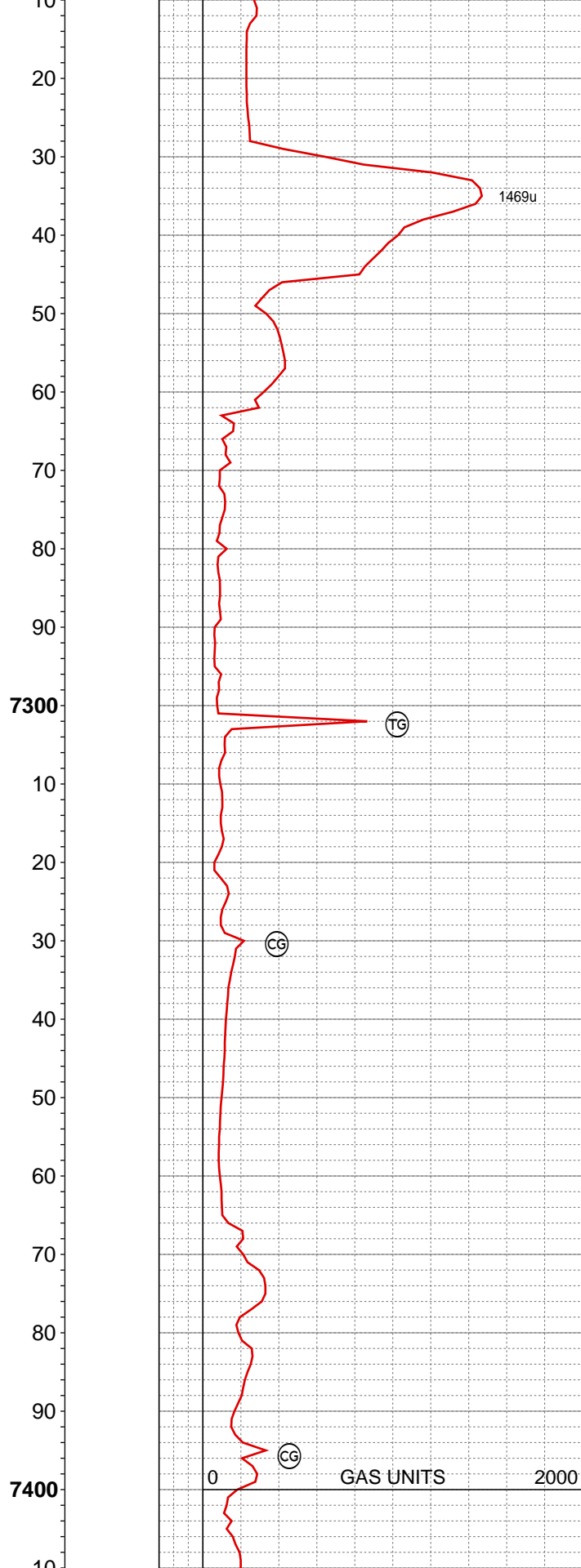
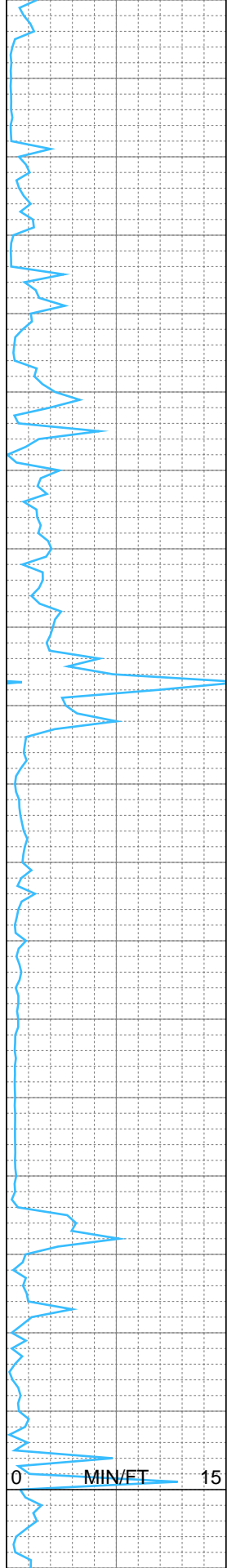
MUD WT. 9.7  
VIS 55

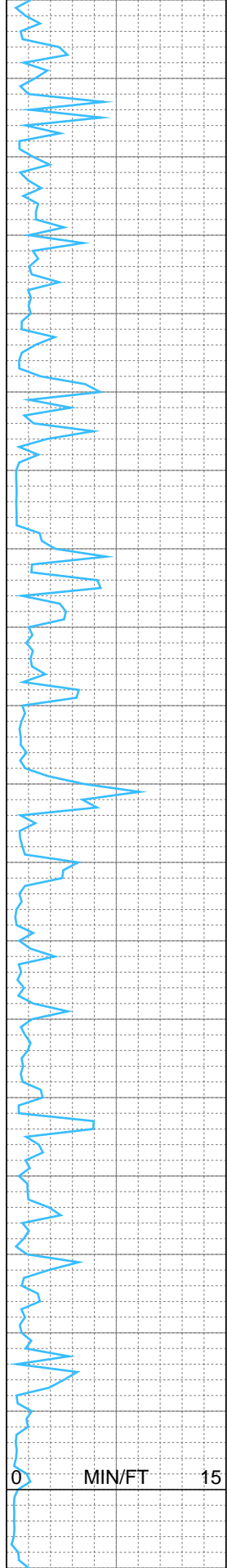


MUD WT. 9.5  
VIS 55

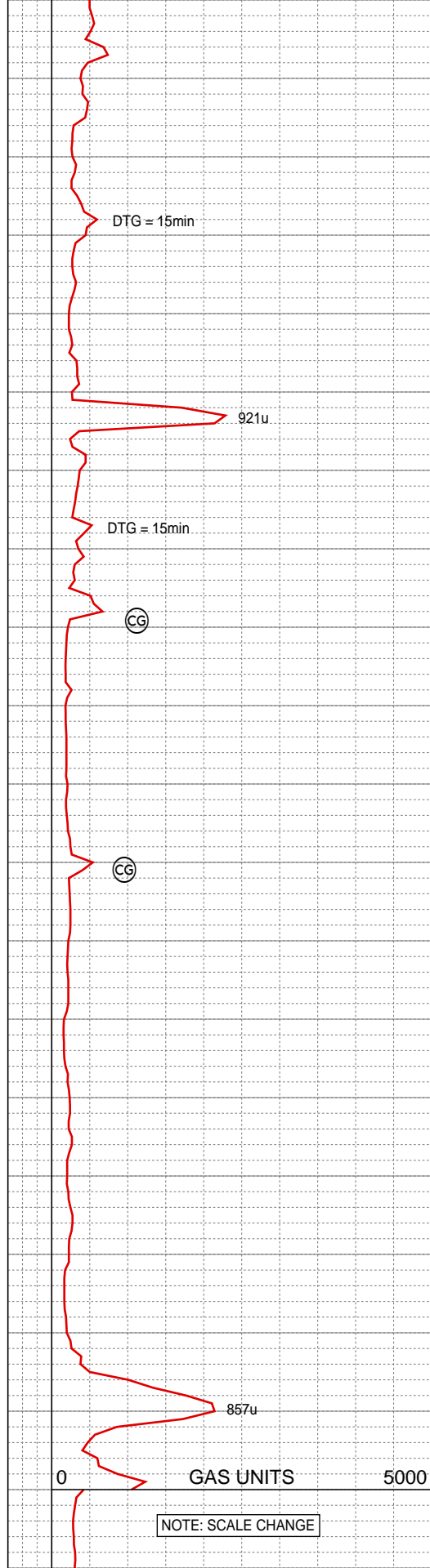








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7600  
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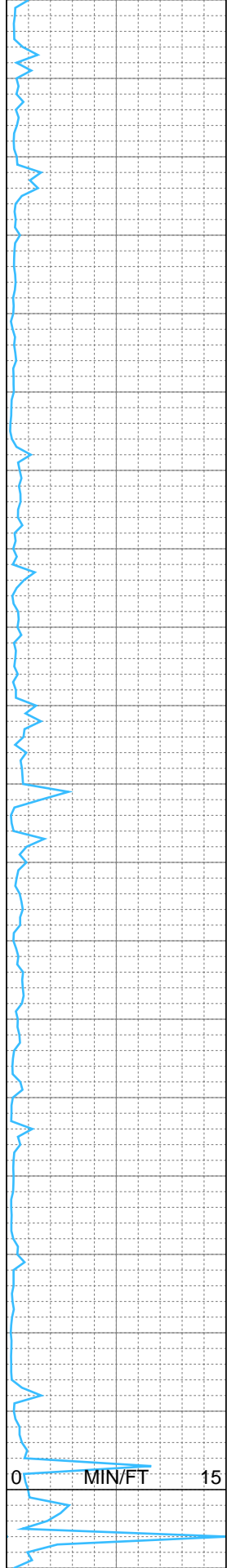


MUD WT. 9.7  
VIS 64

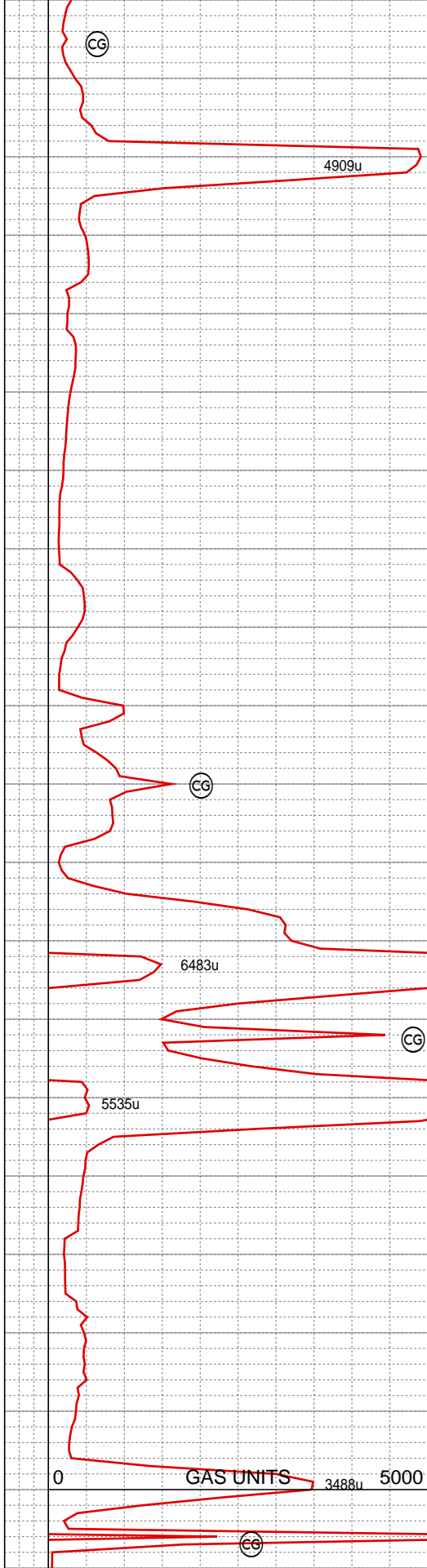
MUD WT. 9.7  
VIS 55

MUD WT. 9.7  
VIS 55

MUD WT. 9.6+  
VIS 58



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7700  
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7800  
10



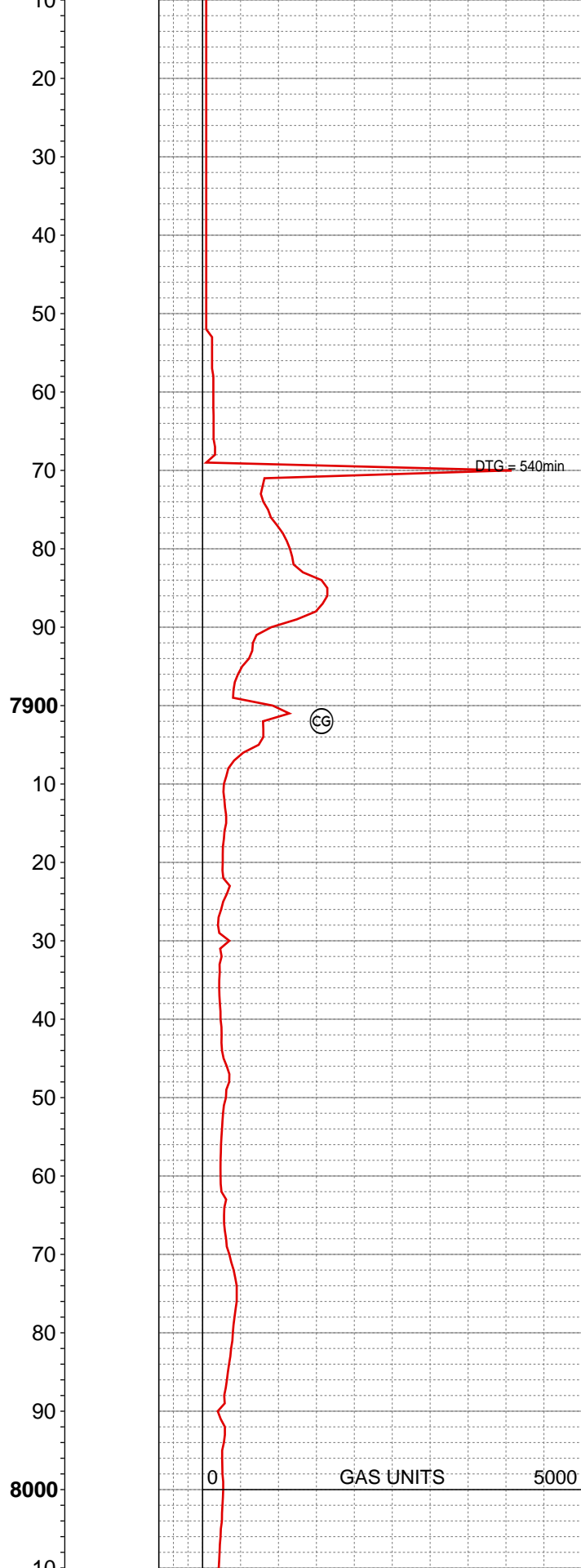
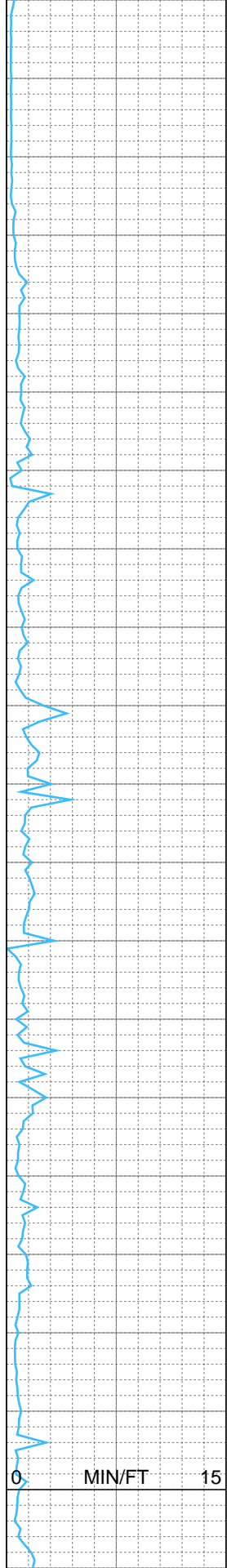
MUD WT. 9.6  
VIS 61

MUD WT. 9.6  
VIS 52

MUD WT. 9.6  
VIS 53

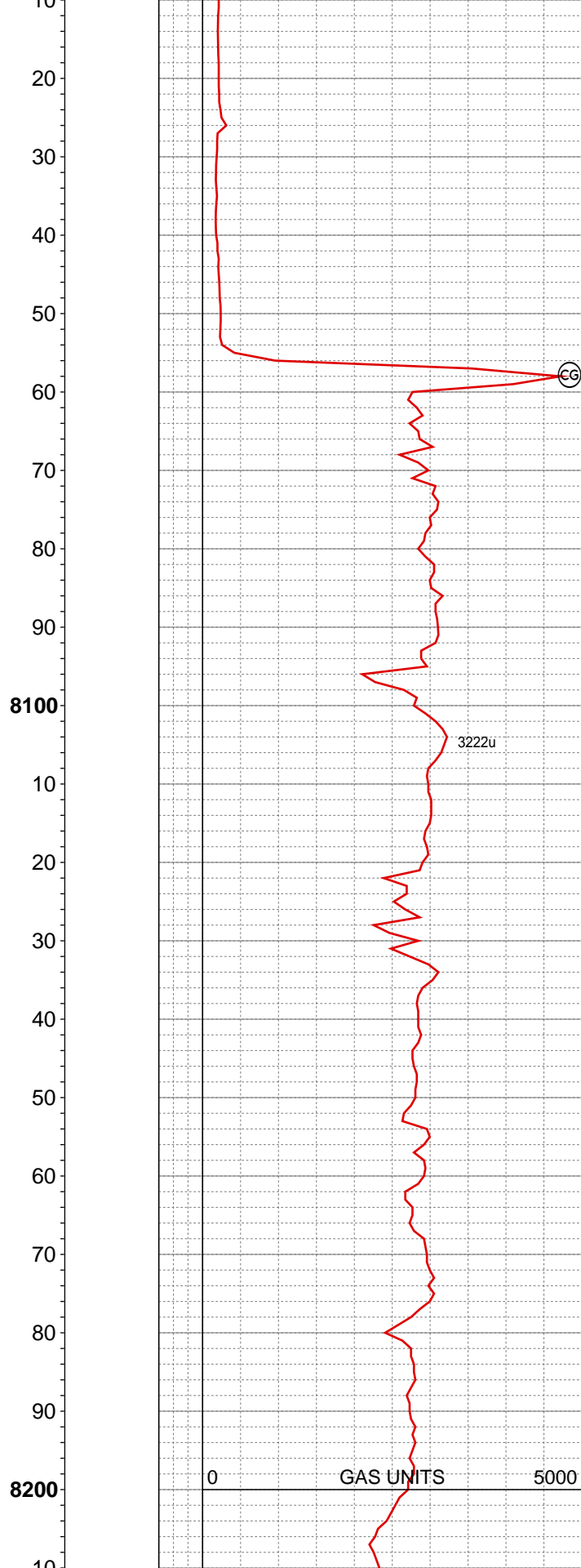
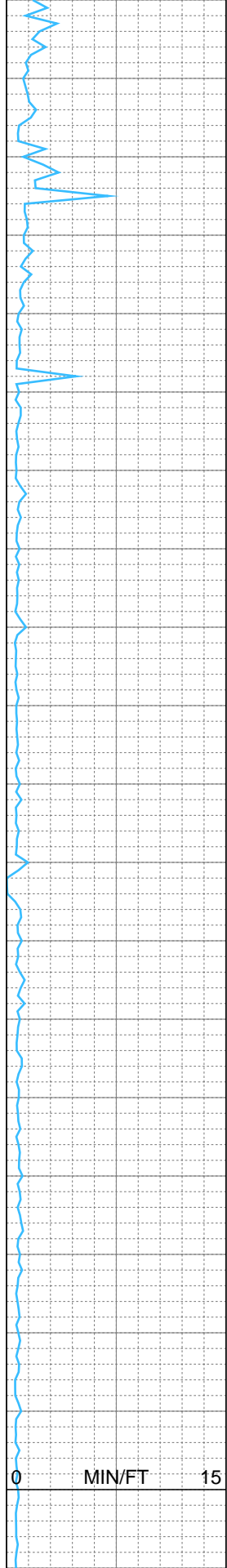
MUD WT. 9.5  
VIS 58

MUD WT. 9.4  
VIS 52



MUD WT. 9.5  
VIS 51

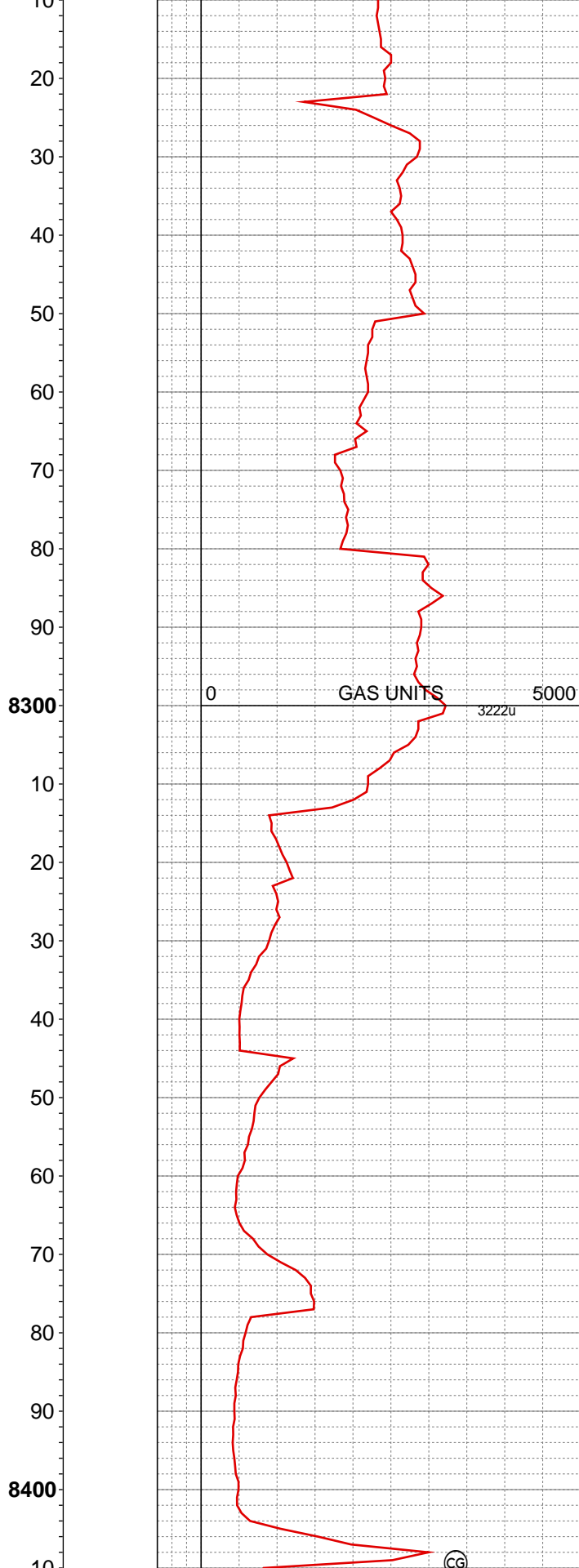
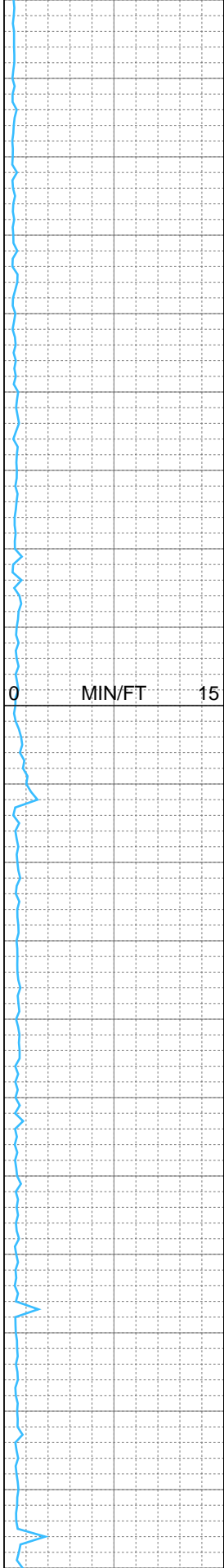
MUD WT. 8.9  
VIS 50



MUD WT. 8.9+  
VIS 48

MUD WT. 9.0  
VIS 48

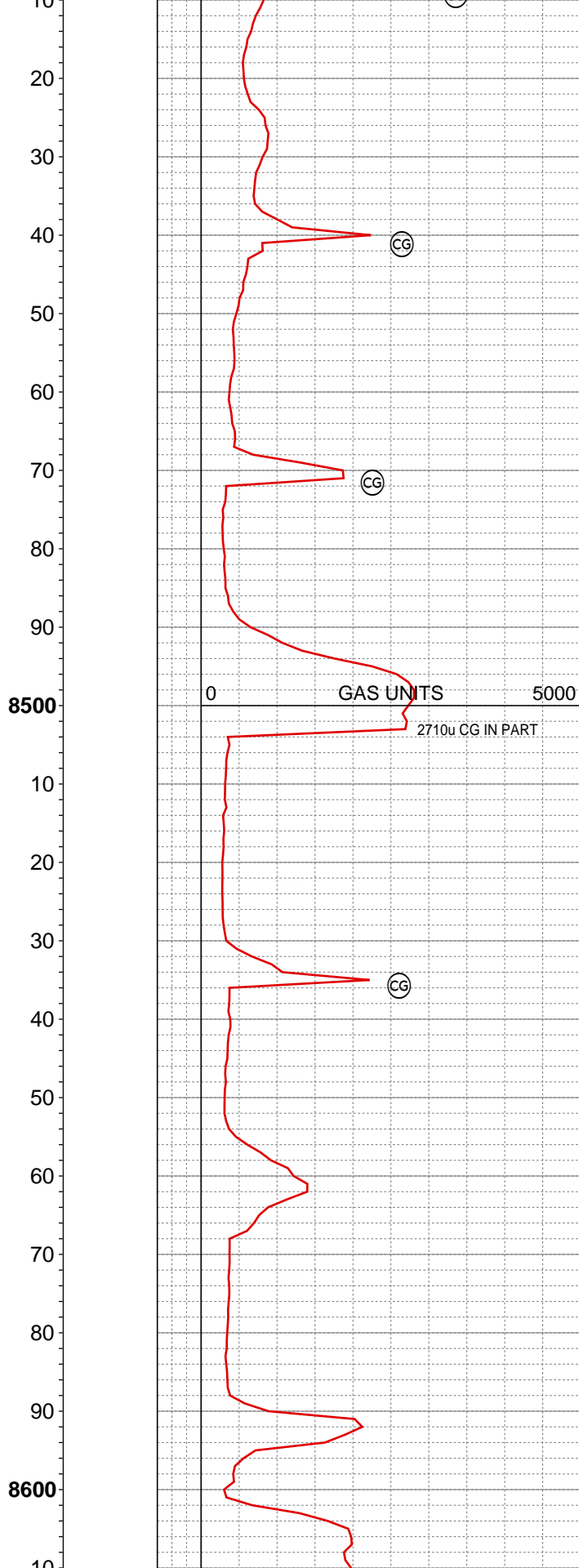
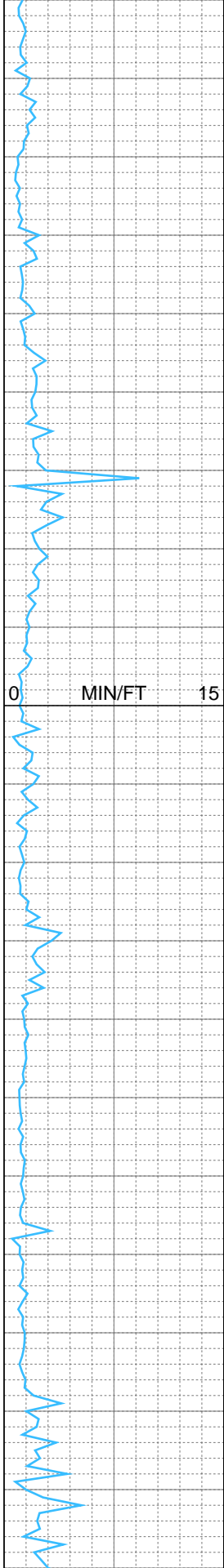
MUD WT. 8.7  
VIS 53



MUD WT. 9.0  
VIS 50

MUD WT. 9.1  
VIS 60

MUD WT. 9.0  
VIS 50

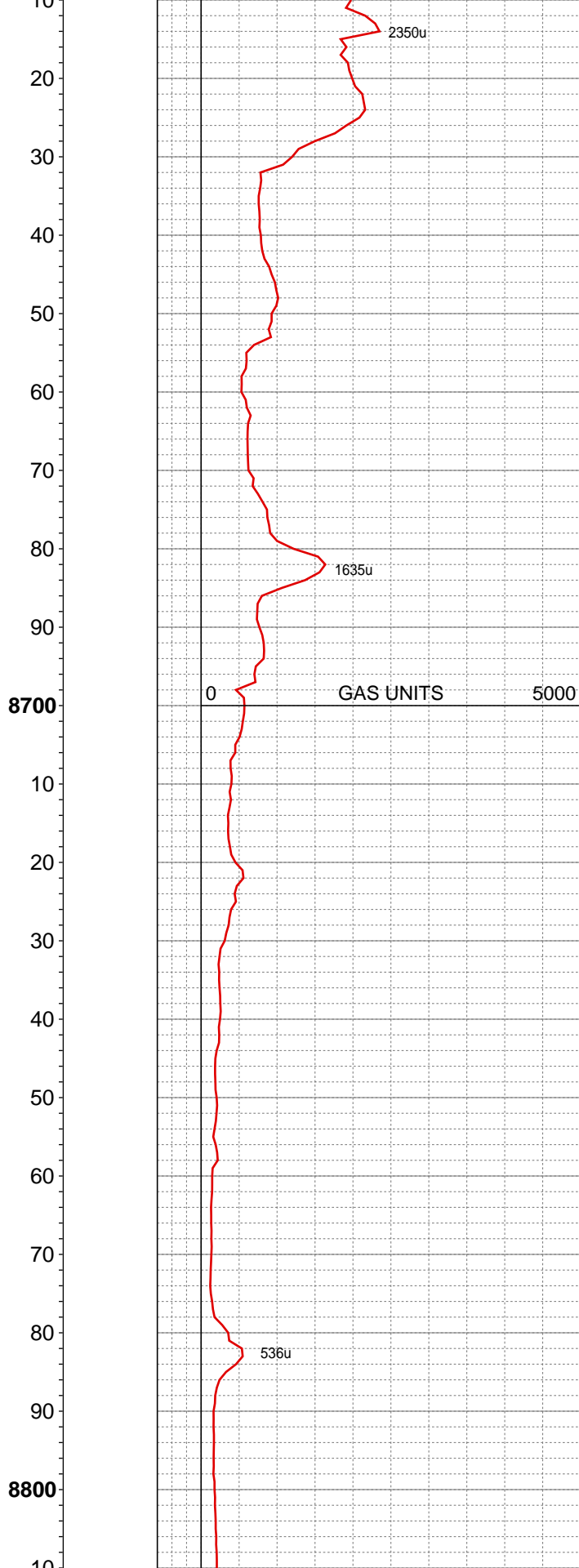
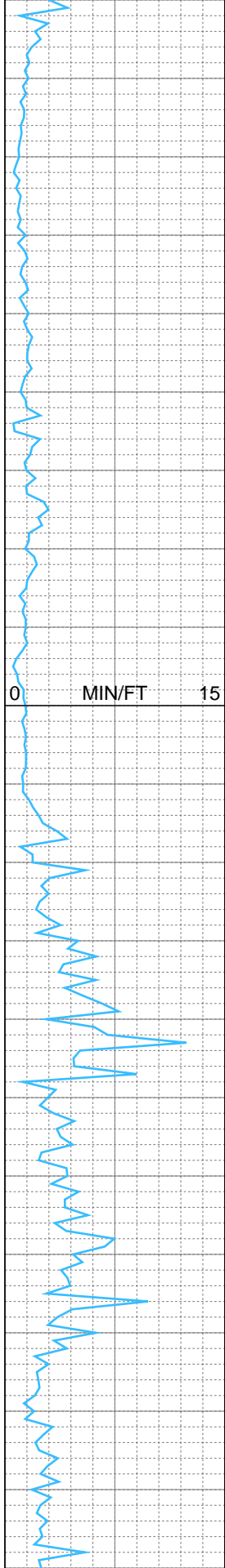


MUD WT. 9.0  
VIS 60

MUD WT. 9.1  
VIS 56

MUD WT. 9.1  
VIS 60

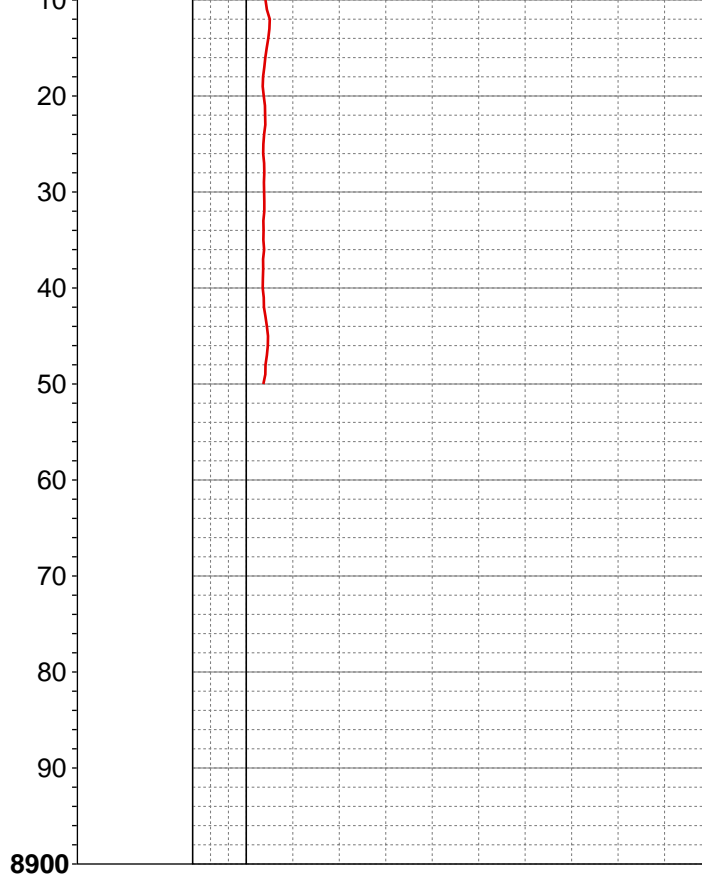
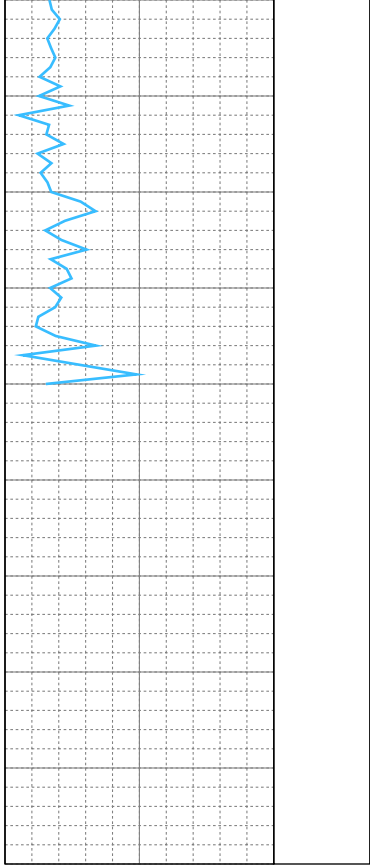




MUD WT. 9.7  
VIS 60

MUD WT. 9.0  
VIS 58

MUD WT. 9.1  
VIS 57



MUD WT. 9.1  
VIS 57

TD 8850" REACHED 7/9/08