


























































OPERATOR: ORION ENERGY
WELL: JOLLEY 21-3D
LOCATION: SEC. 21 T6S R91W
COUNTY: GARFIELD
STATE: COLORADO
SPOT: 1927' FNL & 2215' FWL
ELEVATION: GE - 6892' KB - 6908'
FIELD: KOKOPELLI
SPUD DATE: NOVEMBER 23, 2007

TD DATE: DECEMBER 09, 2007
DATES LOGGED: 11/25/07 - 12/09/07
DEPTHS LOGGED: 1453' - 8950'
LOGGERS: RGL COMMAND CENTER
DRILLING FLUID: LSND
DRILLING RIG: SST 3
API #: 05-045-14557
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

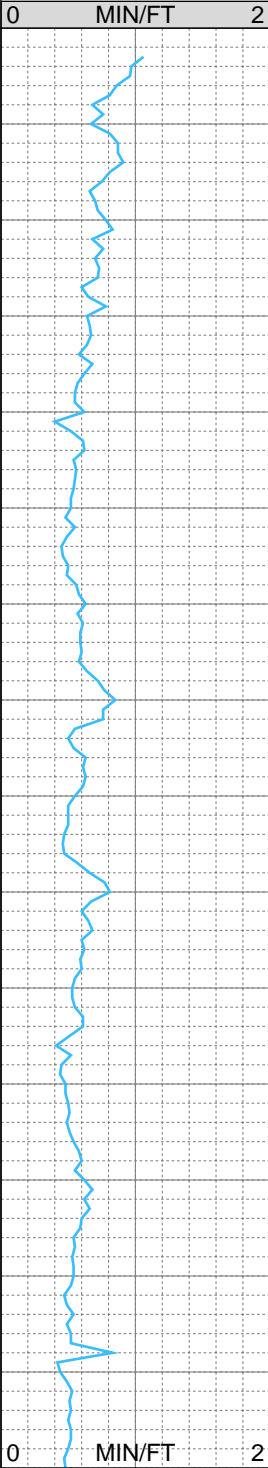
BIT CHANGE	LOST CIRCULATION	CASING	CASING	SIDEWALL CORE	SIDEWALL CORE
WIRELINE TEST	WIRELINE TEST	GAS TO SURFACE	OIL TO SURFACE	WATER TO SURFACE	EVEN STAINING
SPOTTED STAINING	DEAD OIL	QUESTIONABLE	OIL SHOW	GAS SHOW	OIL AND GAS SHOW
CONNECTION GAS	TRIP GAS	MIDNIGHT DEPTH	MIDNIGHT DEPTH	CONNECTION	OFF 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	

INTERPRETIVE
LITHOLOGY

ROP (MIN/FT)

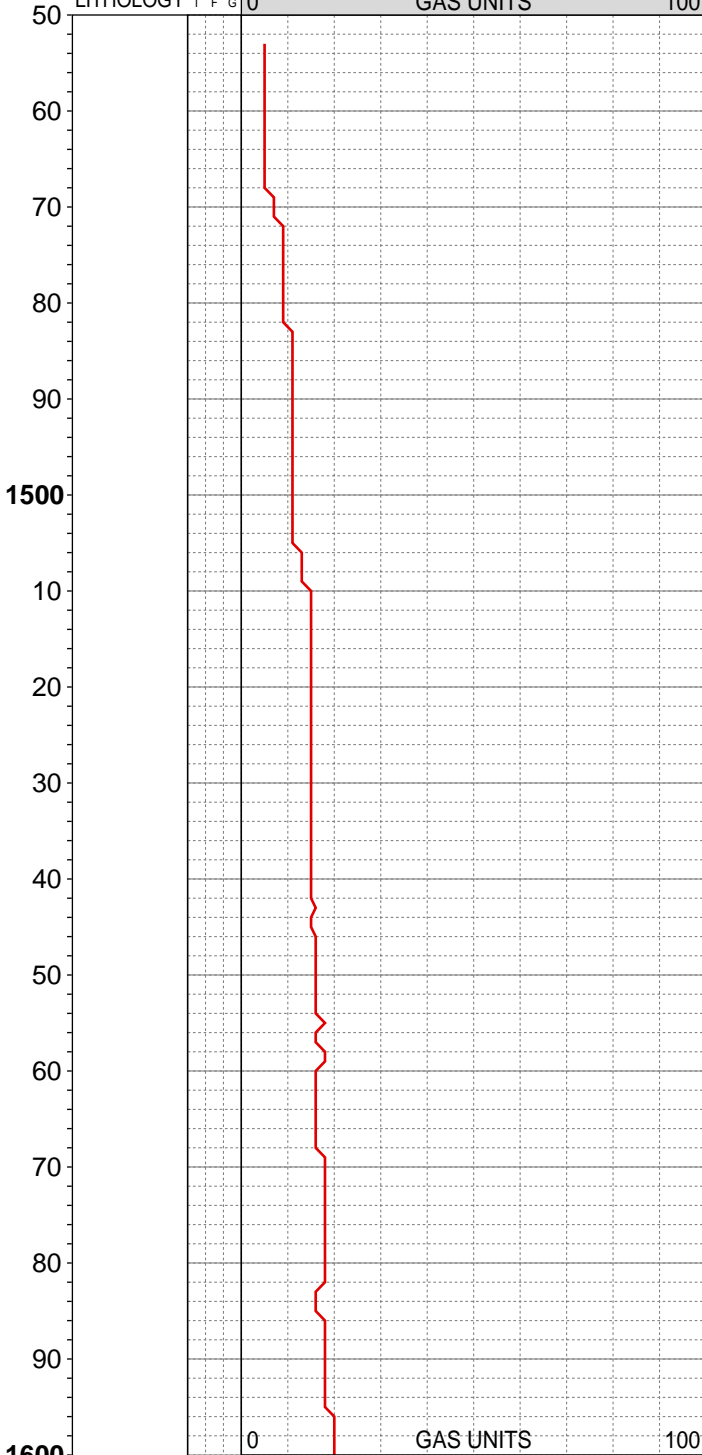


0 MIN/FT 2

DEPTH
FEET

CUTTINGS SHOW
LITHOLOGY T F G

TOTAL GAS (GAS UNITS)

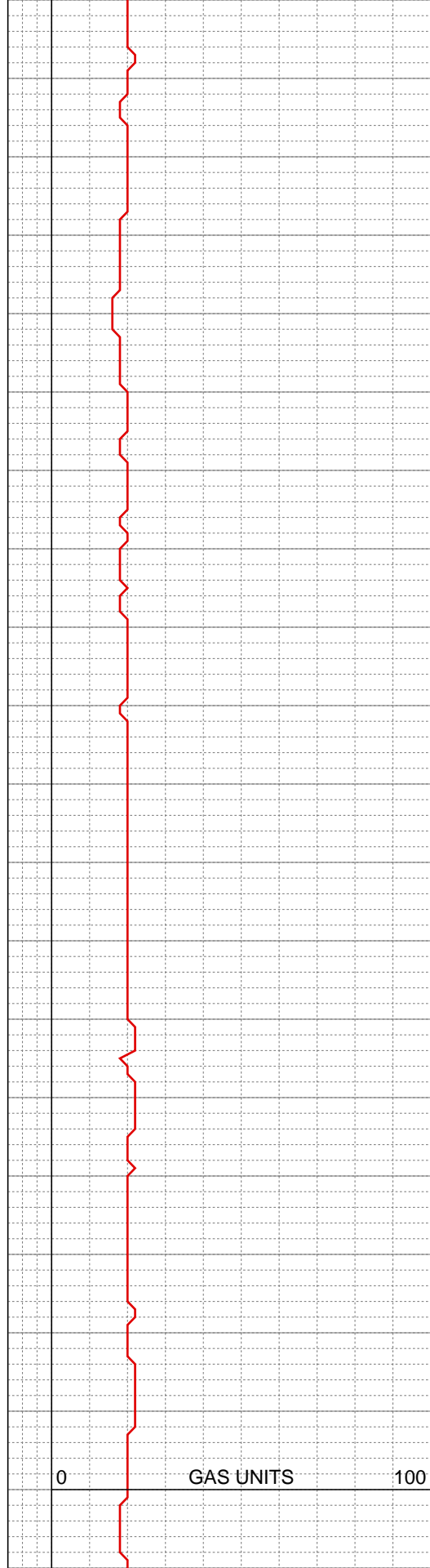
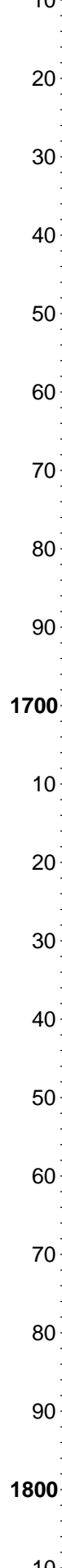
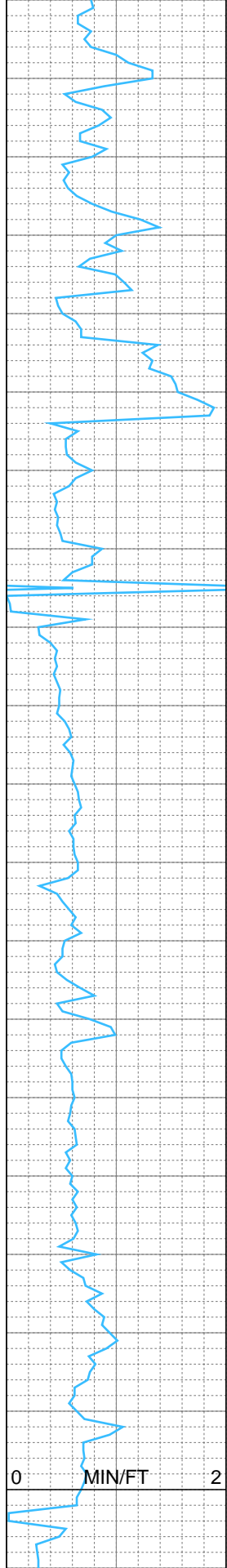


0 GAS UNITS 100

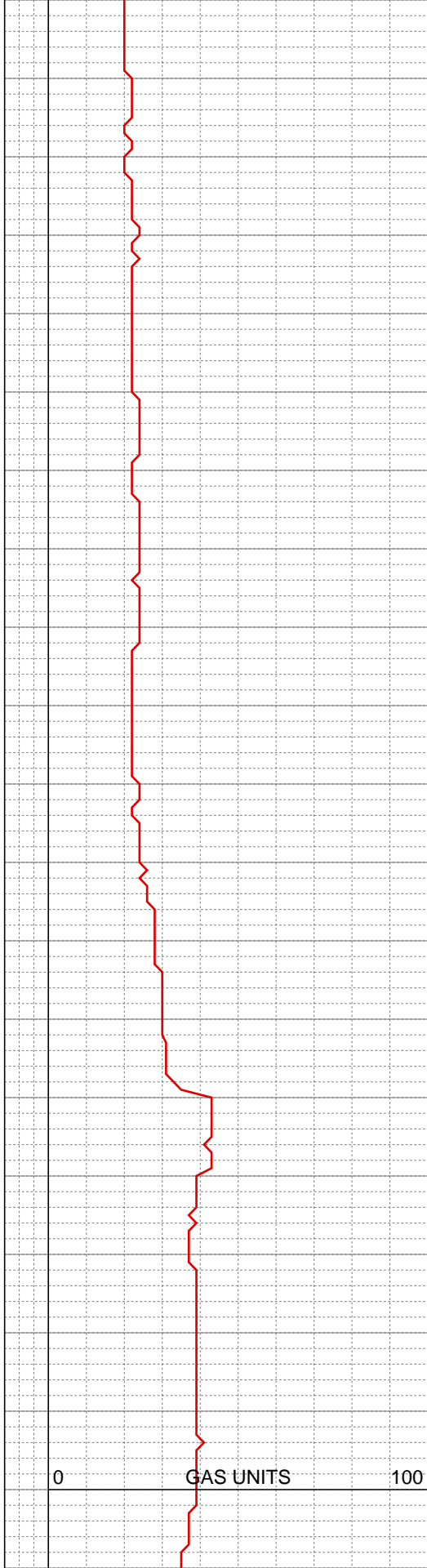
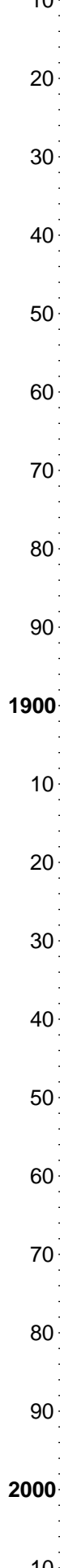
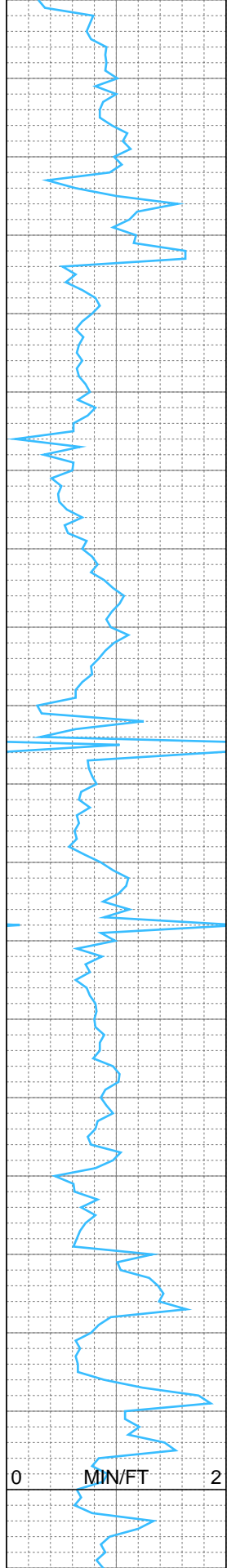
LITHOLOGY
DESCRIPTIONS

PASON SYSTEMS
TOTAL REMOTE LOGGING
1453' - 8950' TGAS RUNNING
AND LOGGING BEGAN
11/25/07 - 12/09/07

MUD WT. IN 9.0/OUT 9.0
VIS IN 41/OUT 46

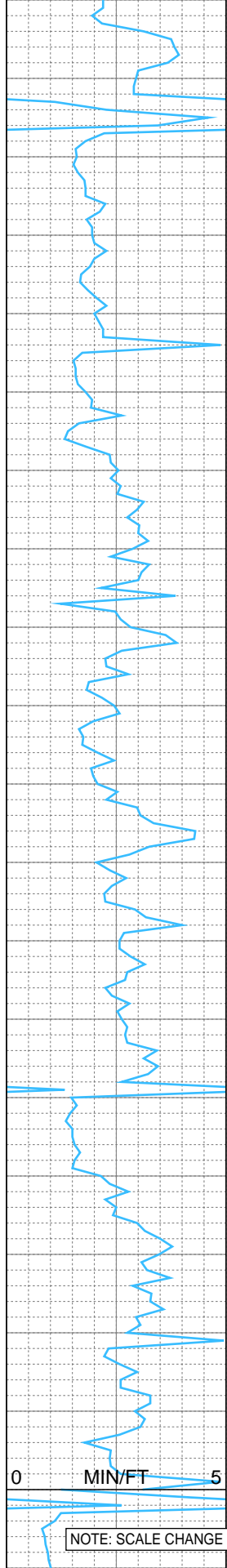


MUD WT. IN 9.0/OUT 9.0
VIS. IN 42/OUT 43

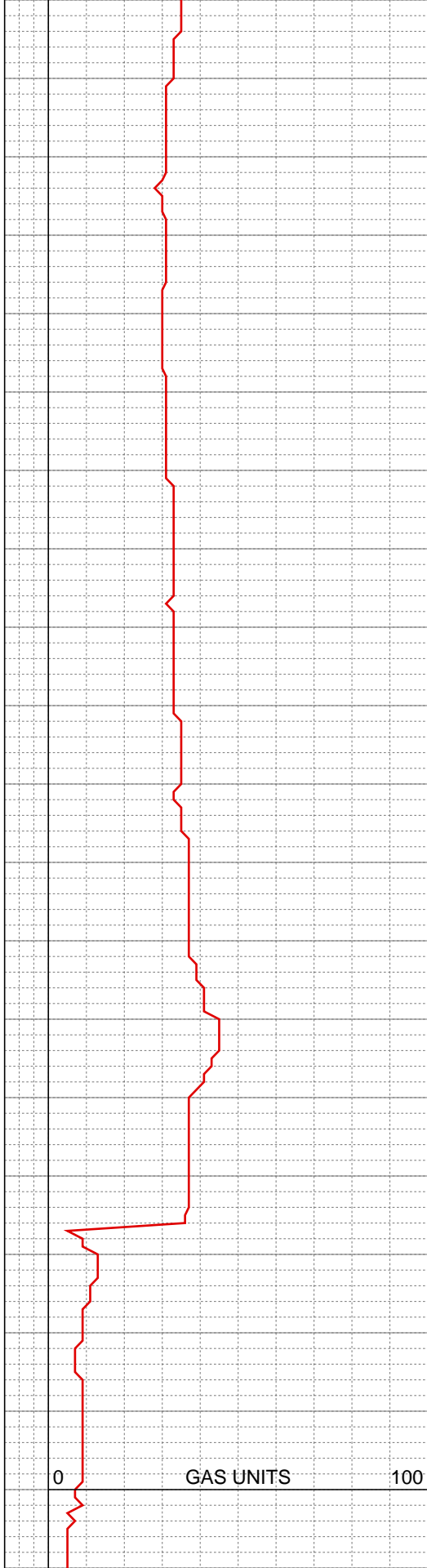


MUD WT. IN 8.8/OUT 8.8
VIS. IN 52/OUT 54

MUD WT. IN 8.9+/OUT 9.0
VIS. IN 50/OUT 51

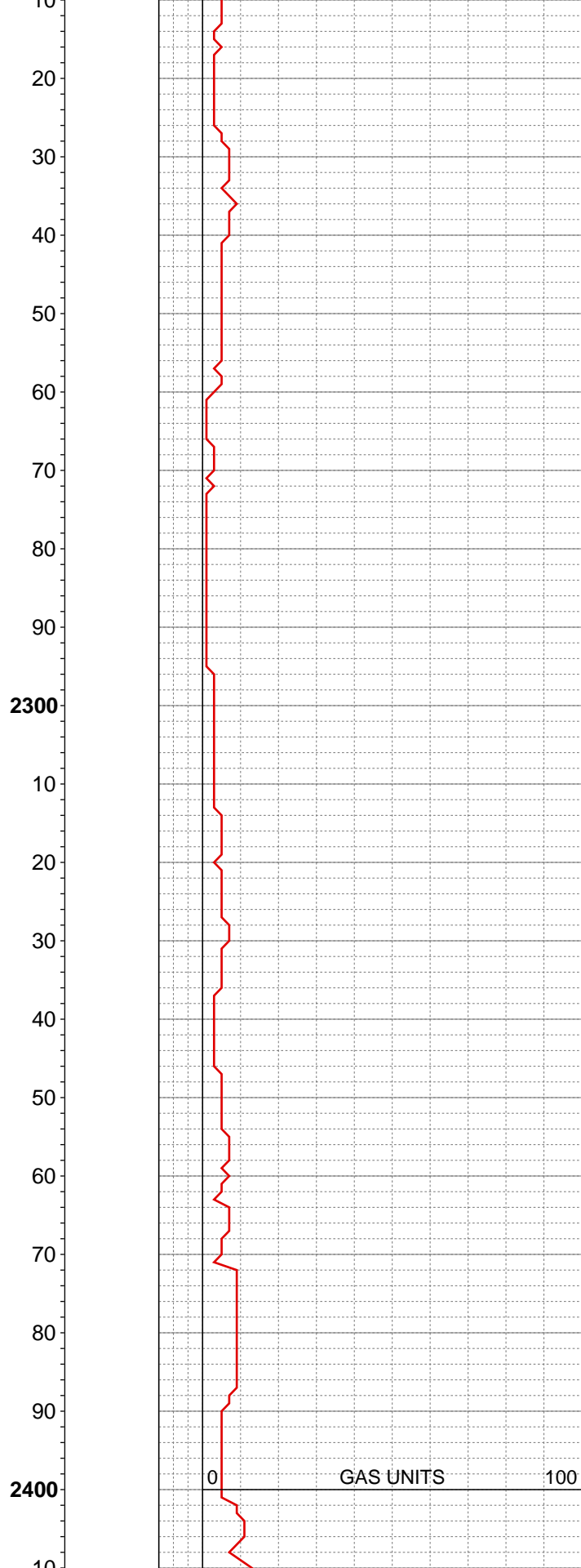
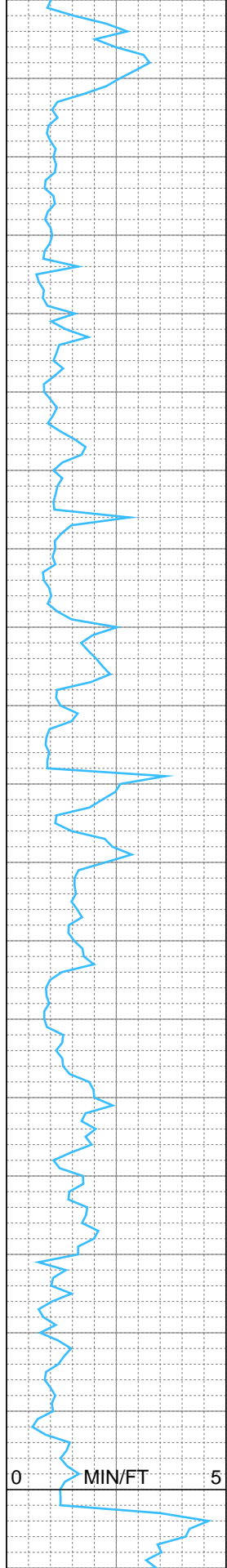


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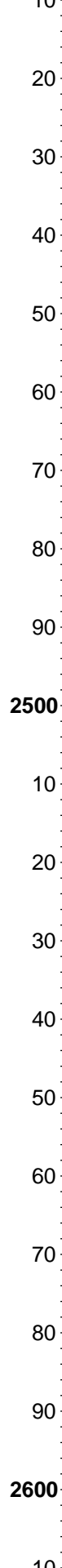
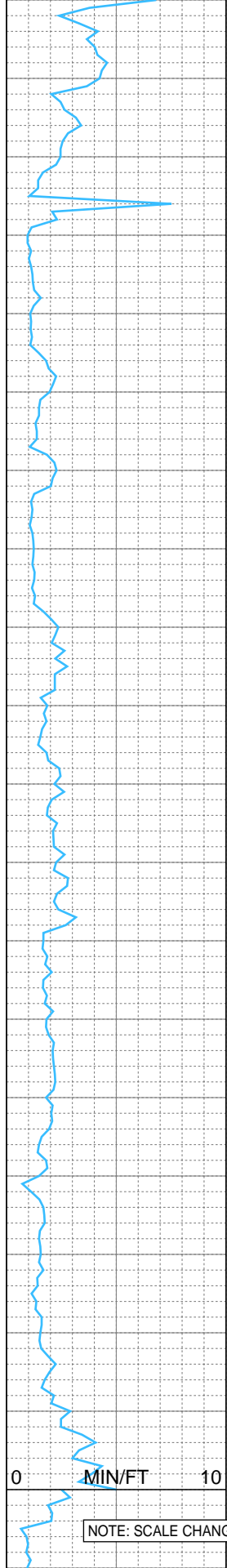


MUD WT. IN 8.9/OUT 8.9
VIS. IN 45/OUT 45

MUD WT. IN 8.9/OUT 8.9+
VIS. IN 51/OUT 50

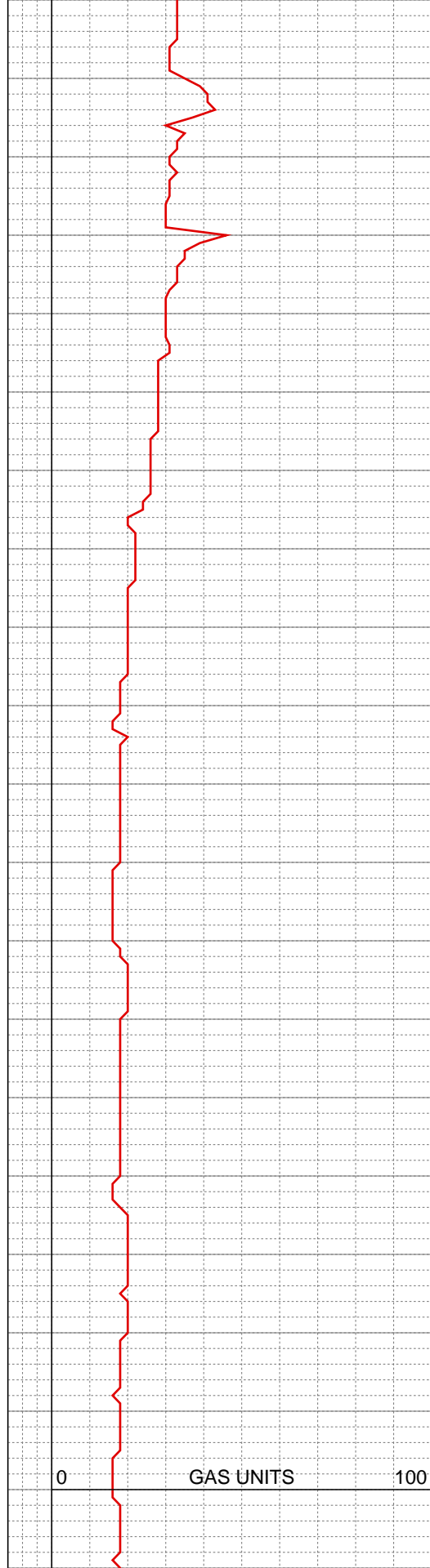
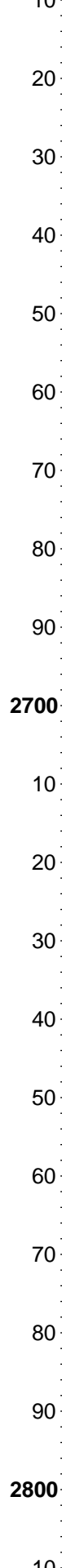
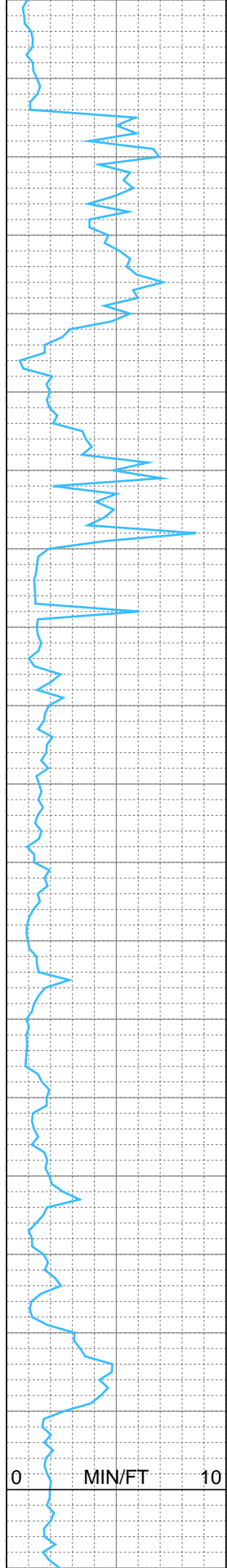


MUD WT. IN 8.9/OUT 8.9+
VIS. IN 48/OUT 49



MUD WT. IN 9.0/OUT 9.0
VIS. IN 48/OUT 46

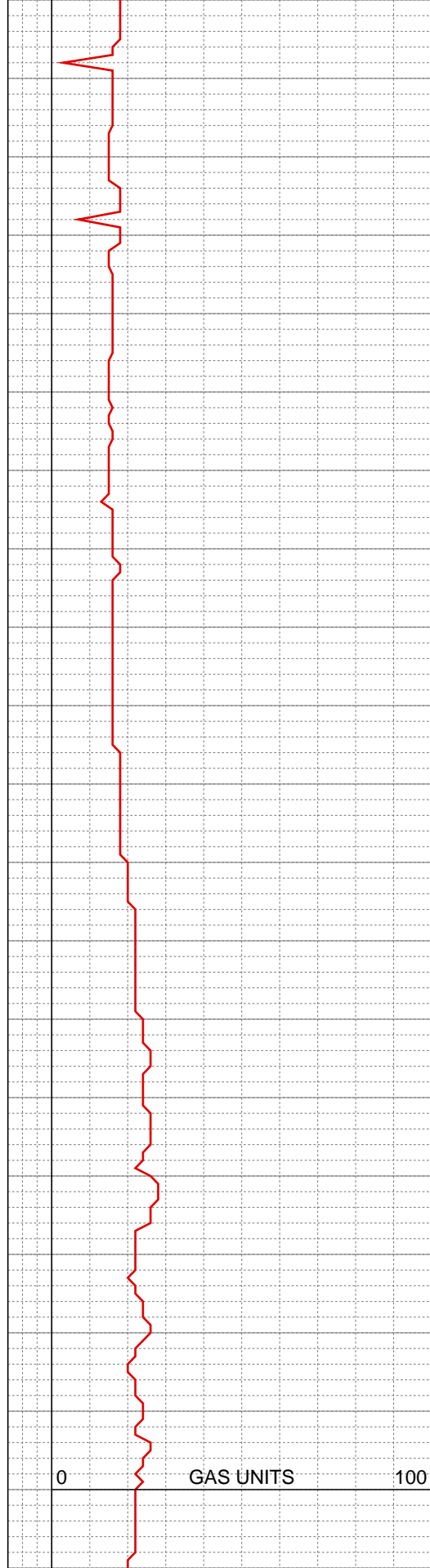
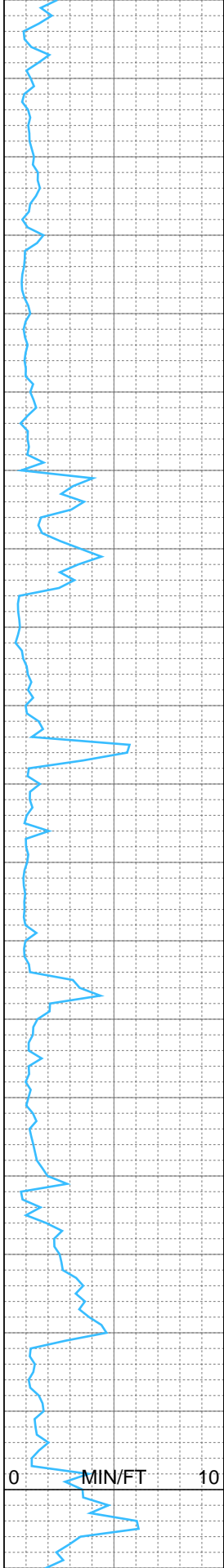
MUD WT. IN 9.0/OUT 9.0
VIS. IN 47/OUT 47



MUD WT. IN 9.0/OUT 9.0
VIS. IN 47/OUT 47

MUD WT. IN 9.0/OUT 9.1
VIS. IN 47/OUT 48

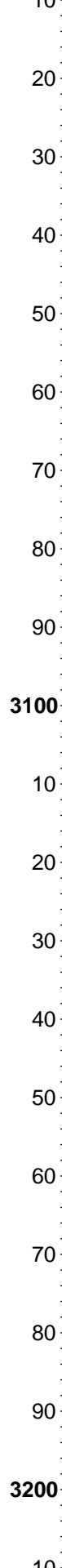
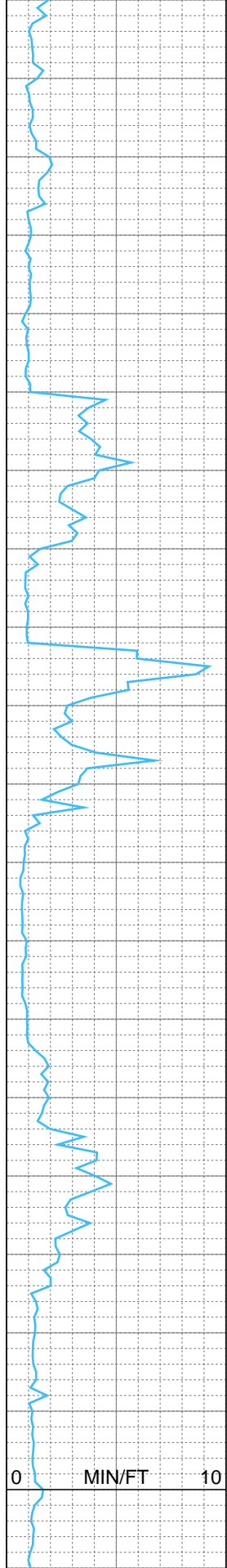
MUD WT. IN 9.1/OUT 9.0
VIS. IN 48/OUT 47



MUD WT. IN 9.0/OUT 9.0
VIS. IN 48/OUT 47

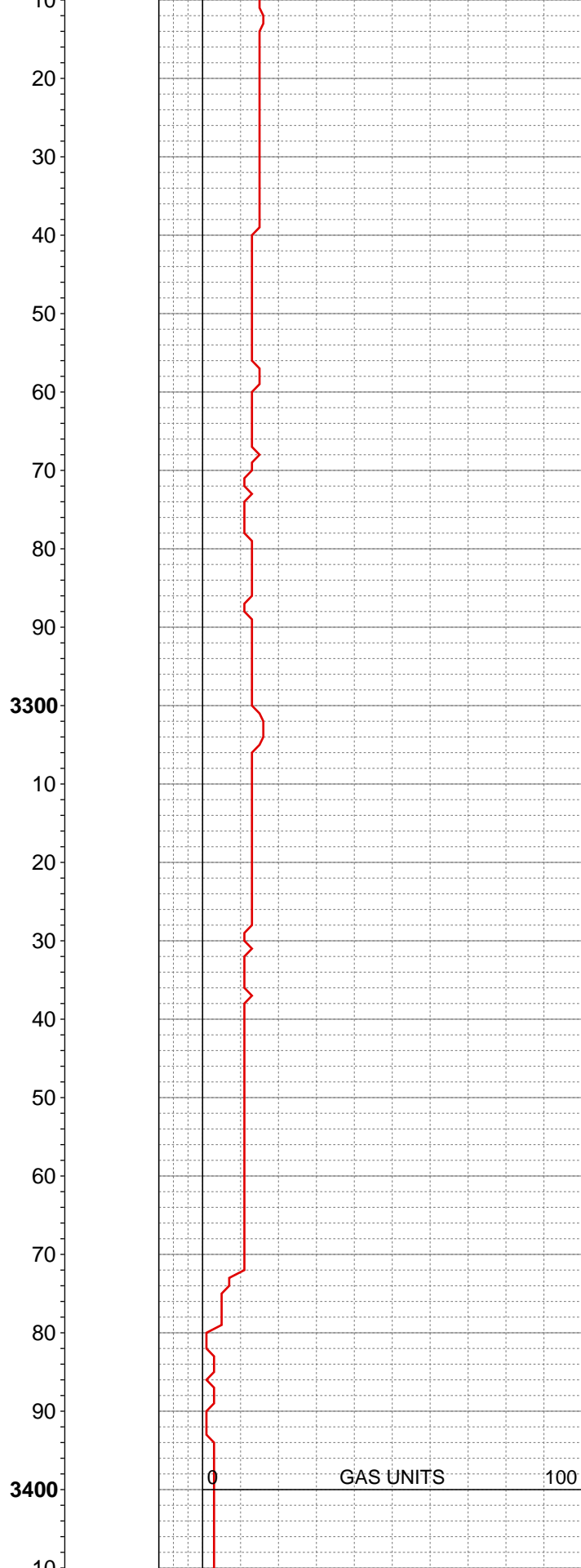
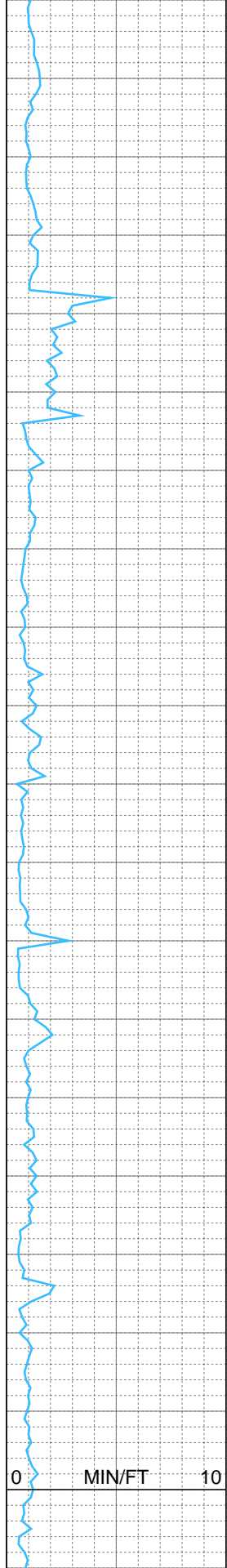
MUD WT. IN 9.1/OUT 9.0
VIS. IN 49/OUT 48

MUD WT. IN 9.1/OUT 9.1
VIS. IN 47/OUT 47



MUD WT. IN 8.7/OUT 8.7
VIS. IN 90/OUT 90

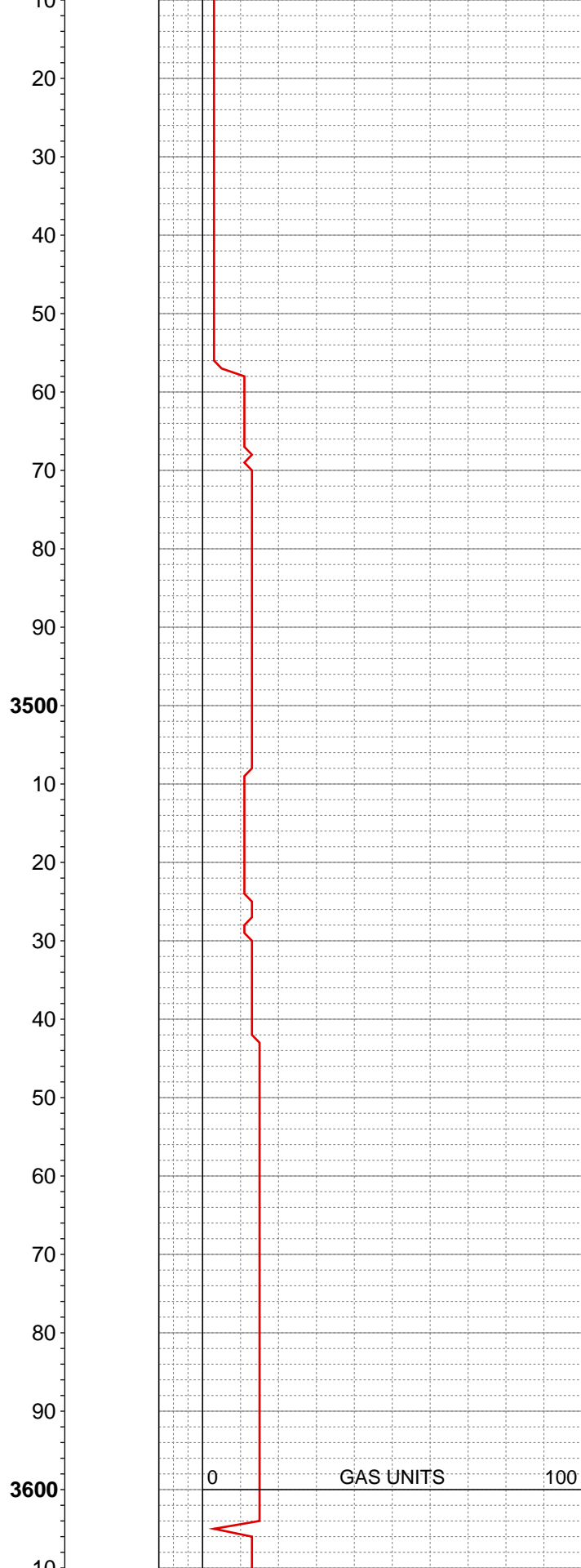
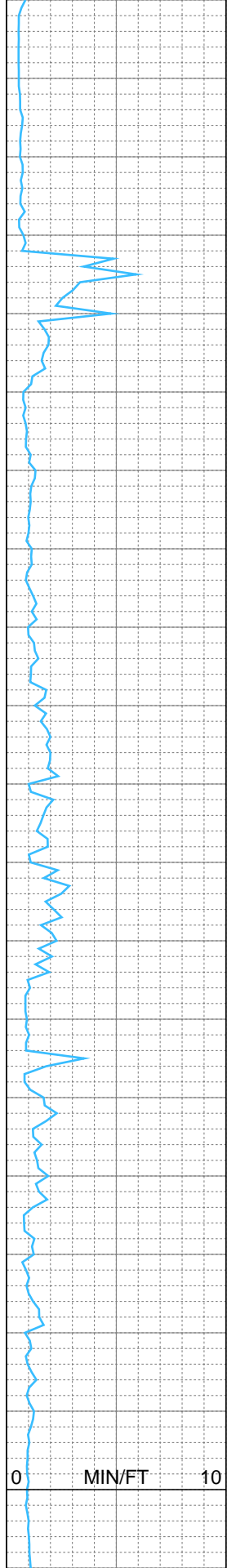
MUD WT. IN 8.6/OUT 8.6
VIS. IN 55/OUT 58



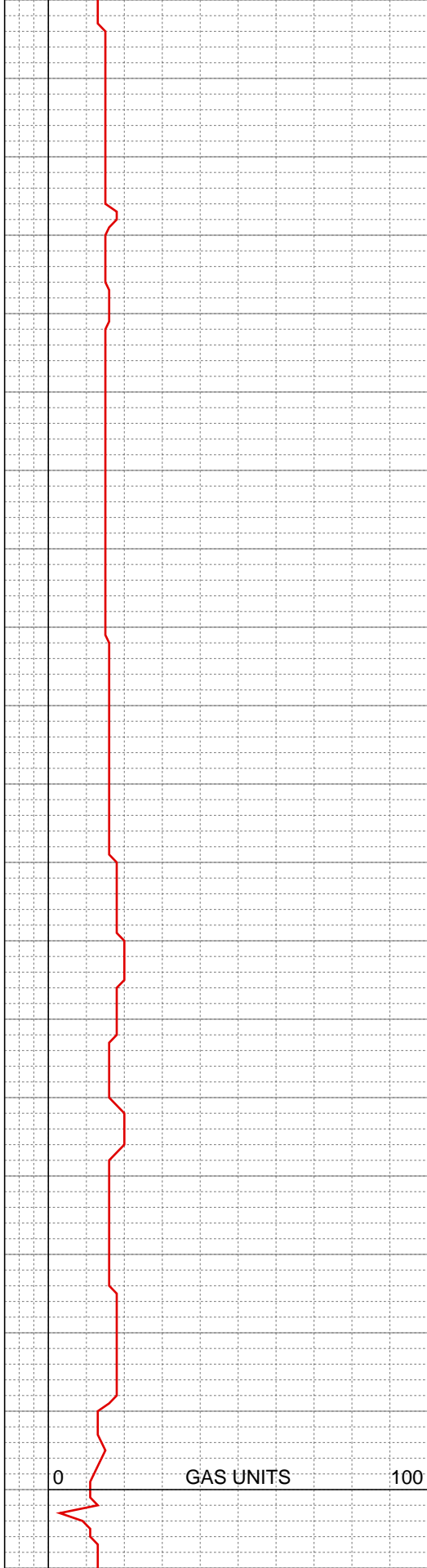
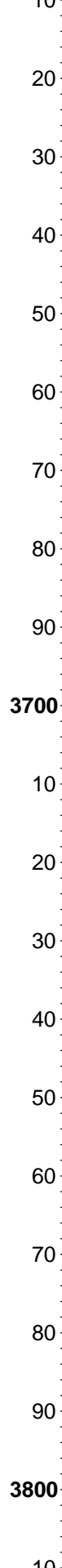
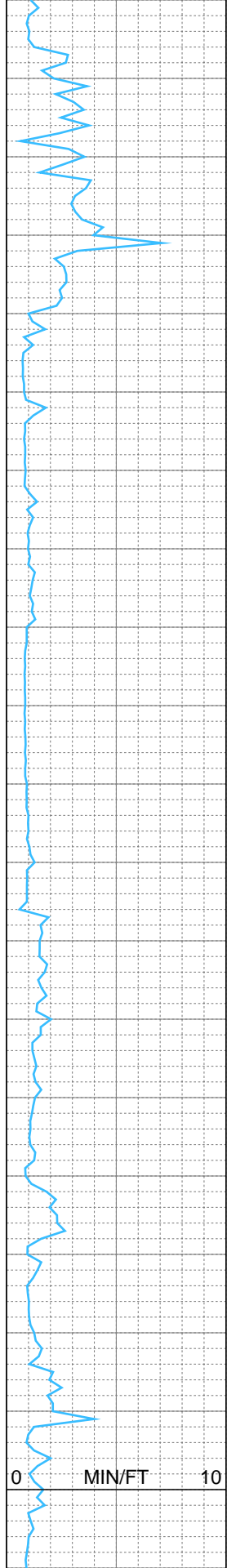
MUD WT. IN 8.5+/OUT 8.6
VIS. IN 46/OUT 46

MUD WT. 8.5
VIS. 50

MUD WT. 8.6



MUD WT. 8.6
VIS. 43

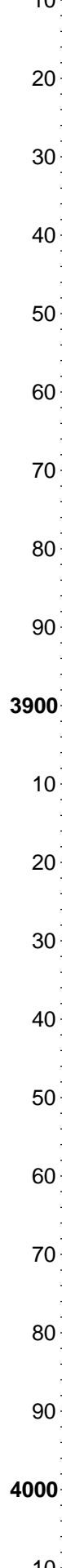
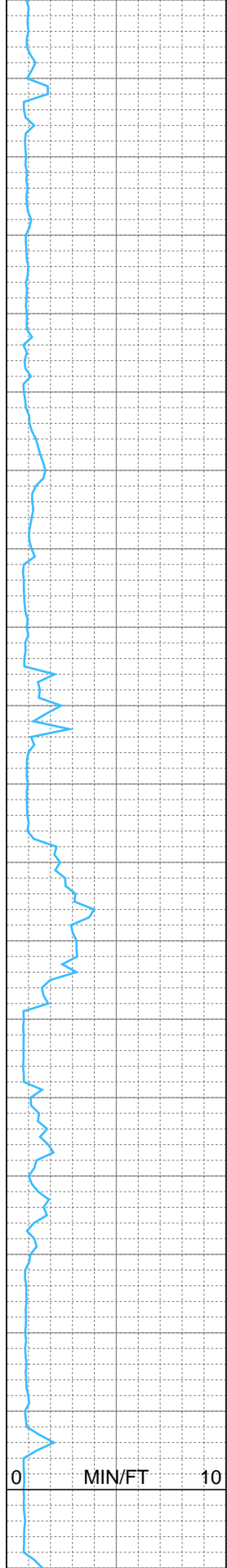


MUD WT. IN 8.6/OUT 8.6
VIS. IN 42/OUT 40

MUD WT. IN 8.6/OUT 8.6
VIS. IN 42/OUT 43

MUD WT. IN 8.6/OUT 8.6
VIS. IN 42/OUT 41

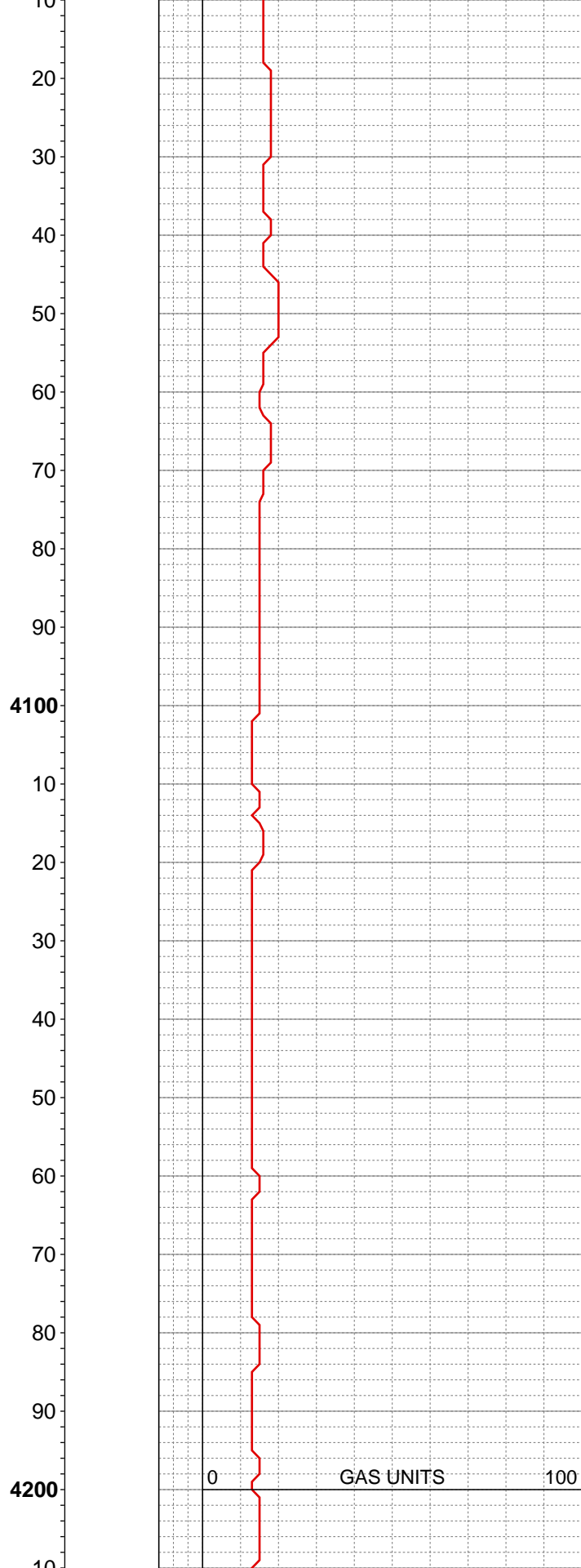
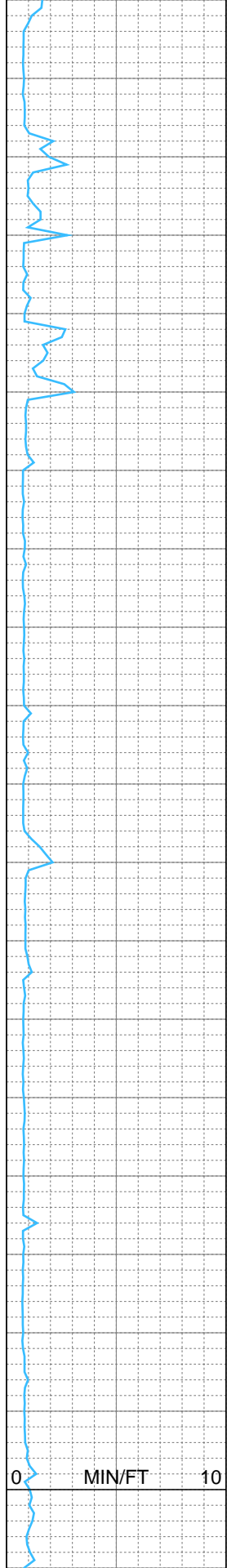
MUD WT. IN 8.5/OUT 8.5+
VIS. IN 41/OUT 42



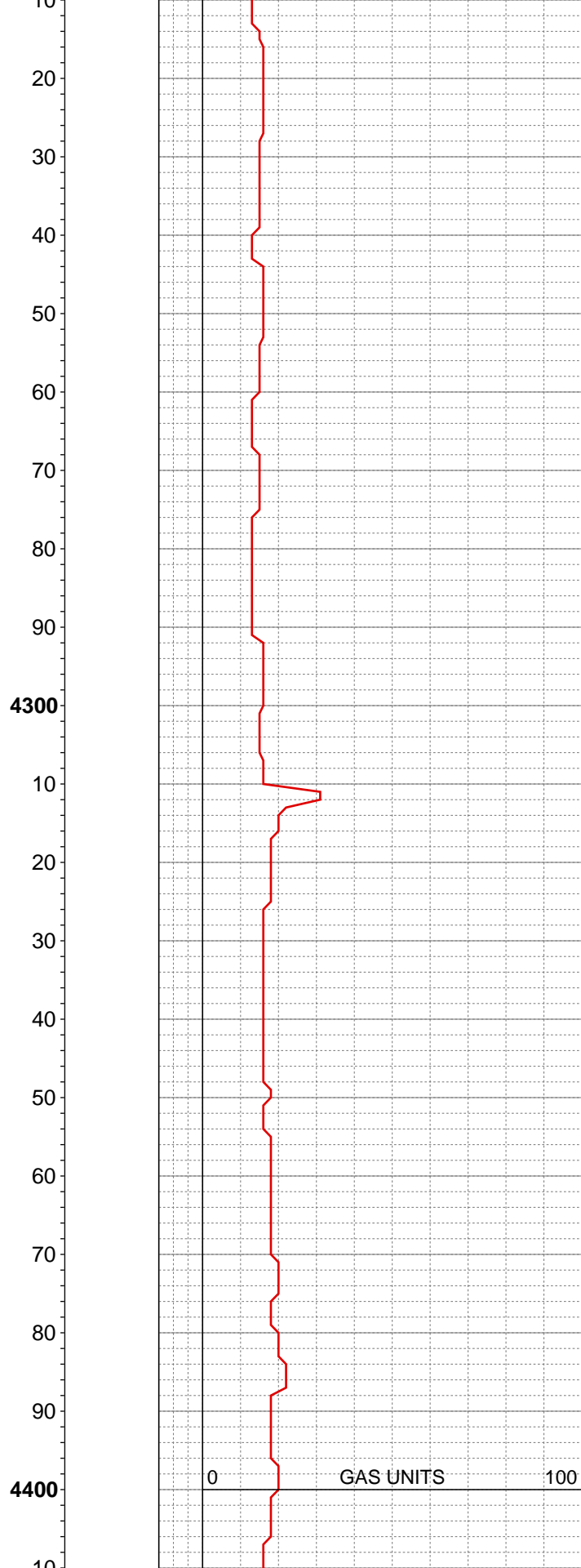
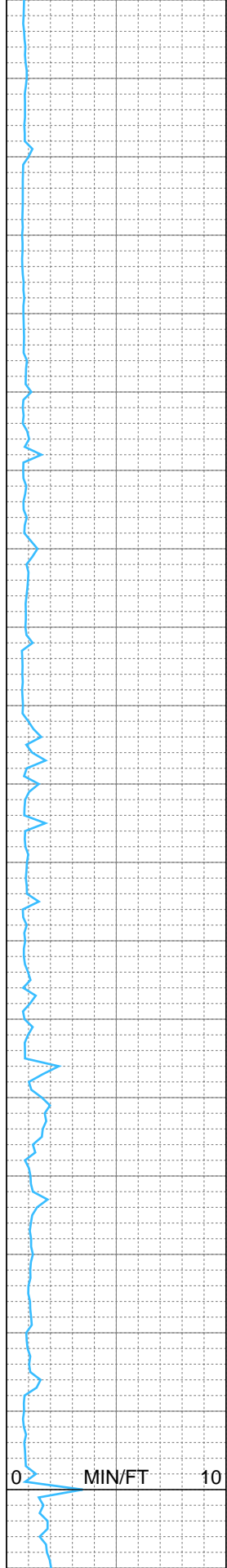
MUD WT. IN 8.7/OUT 8.6
VIS. IN 40/OUT 40

MUD WT. IN 8.7/OUT 8.7
VIS. IN 40/OUT 39

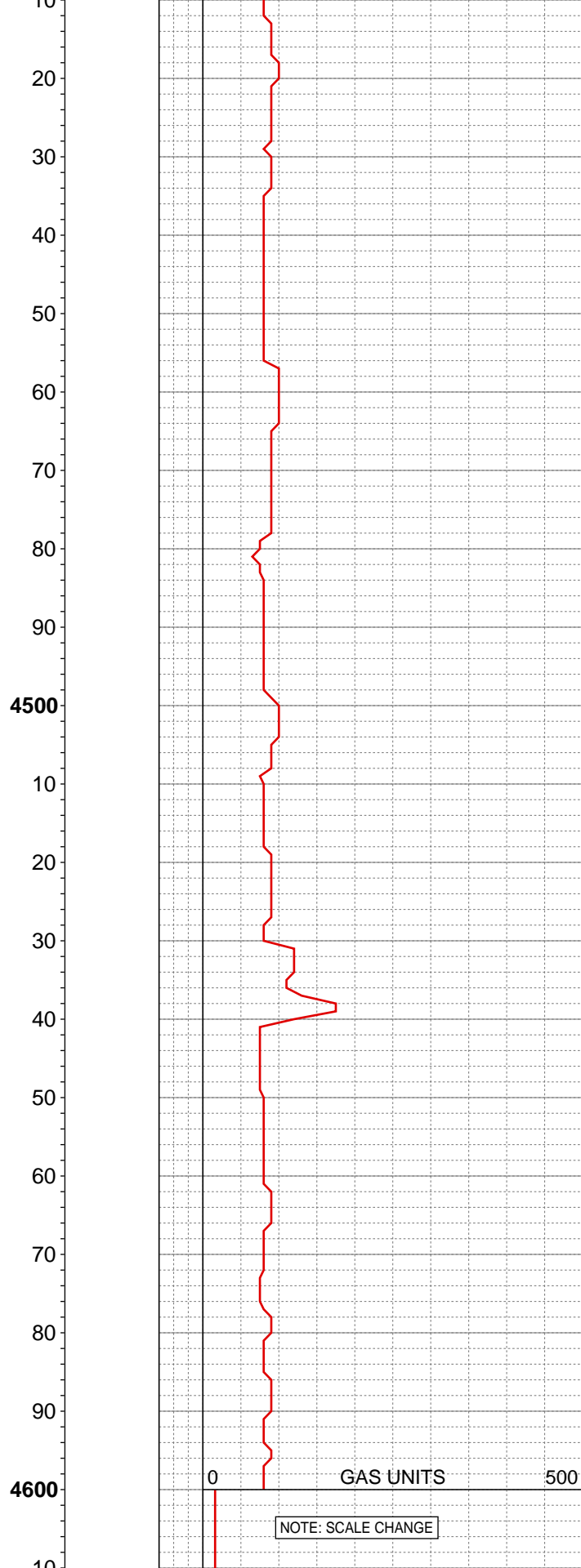
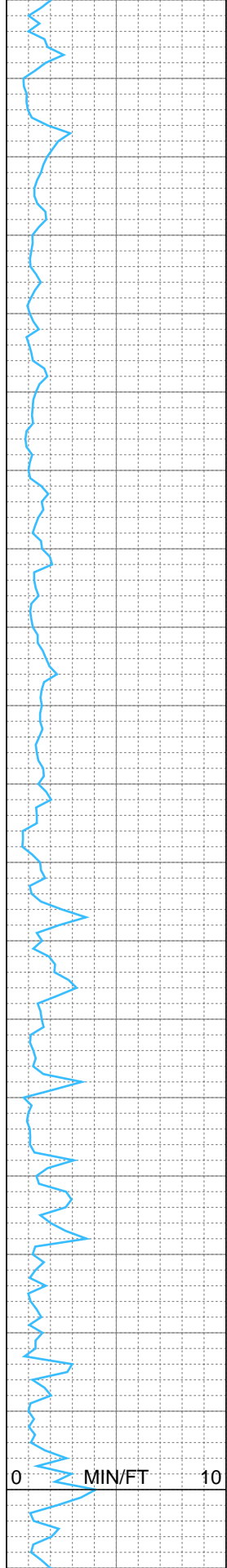
MUD WT. IN 8.7+/OUT 8.8
VIS. IN 40/OUT 40



MUD WT. 8.7
VIS. 44



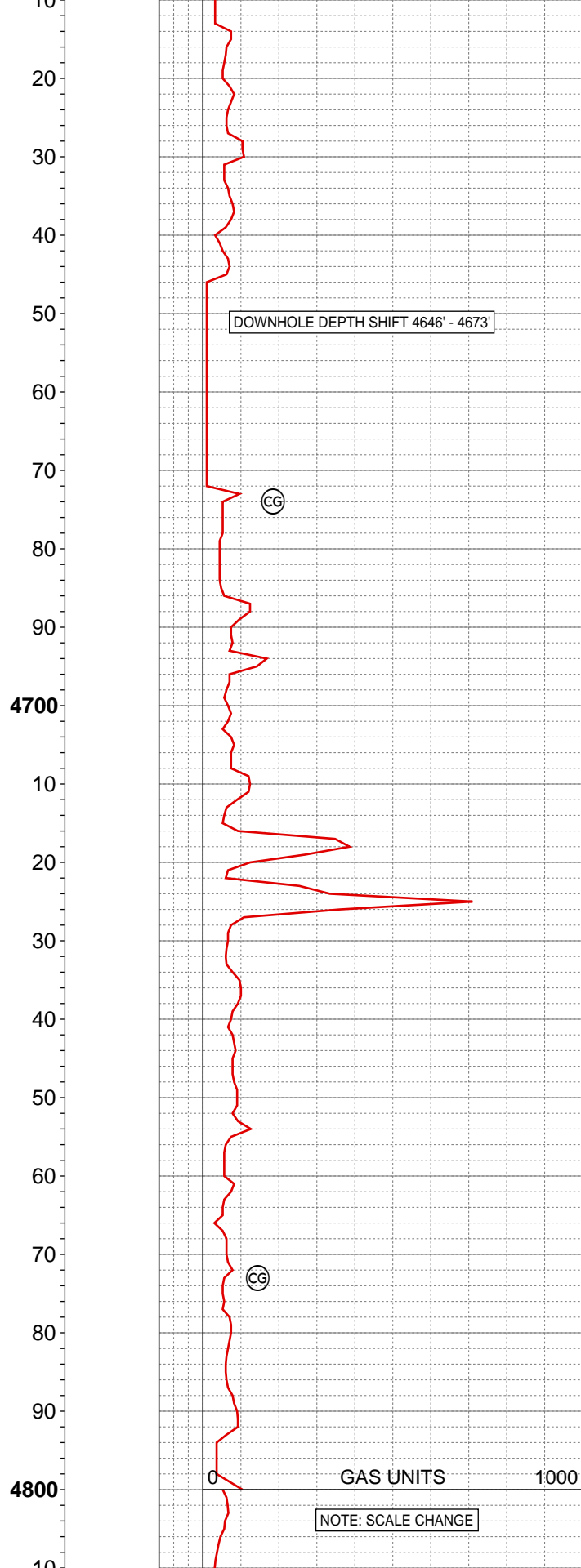
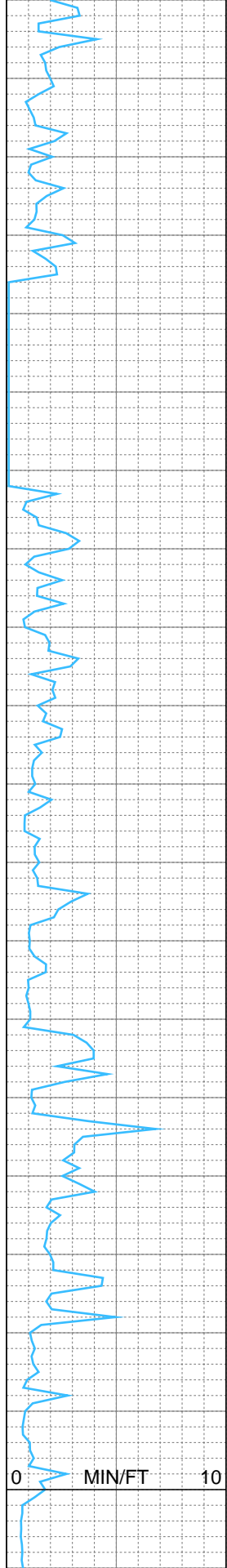
MUD WT. 9.0
VIS. 44



MUD WT. 9.0
VIS. 44

MUD WT. 9.0
VIS. 44

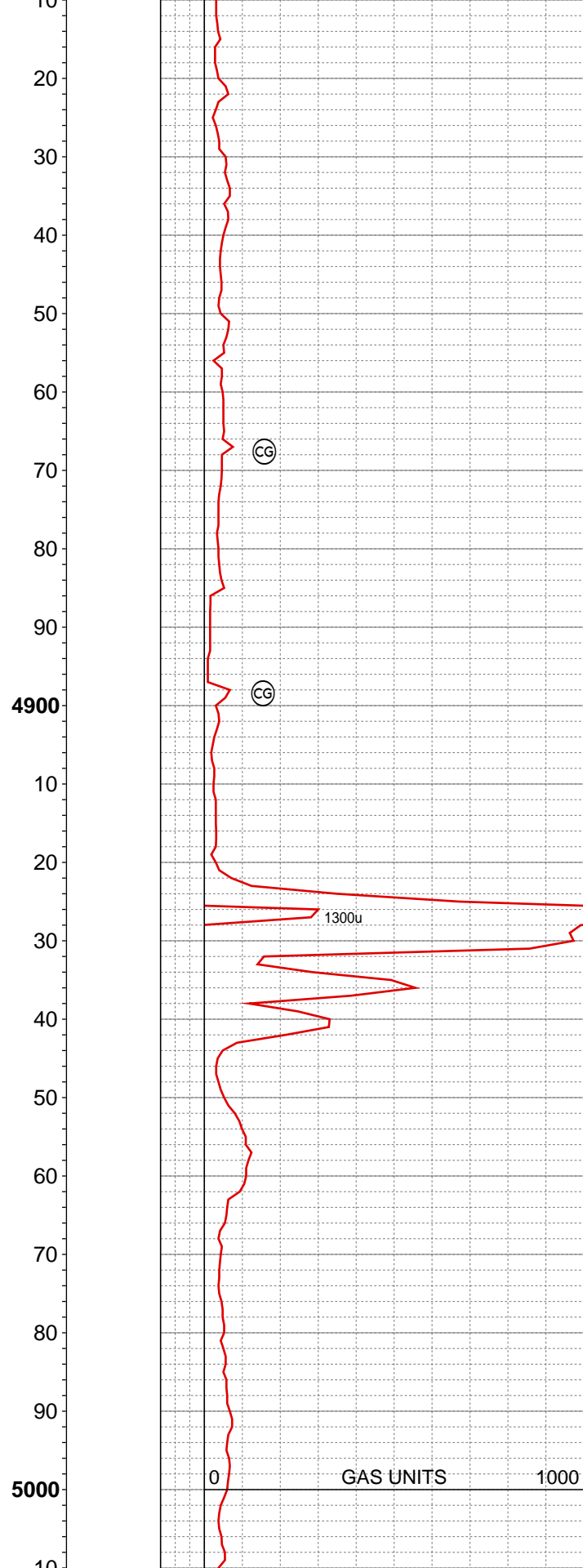
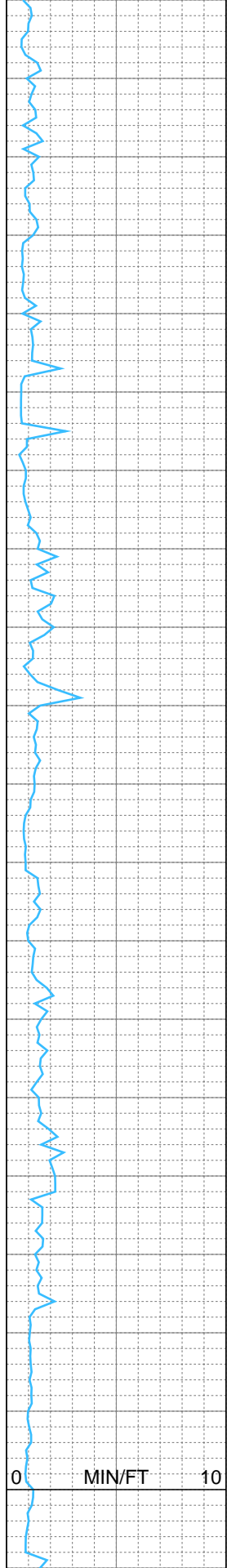
MUD WT. 9.1
VIS. 38

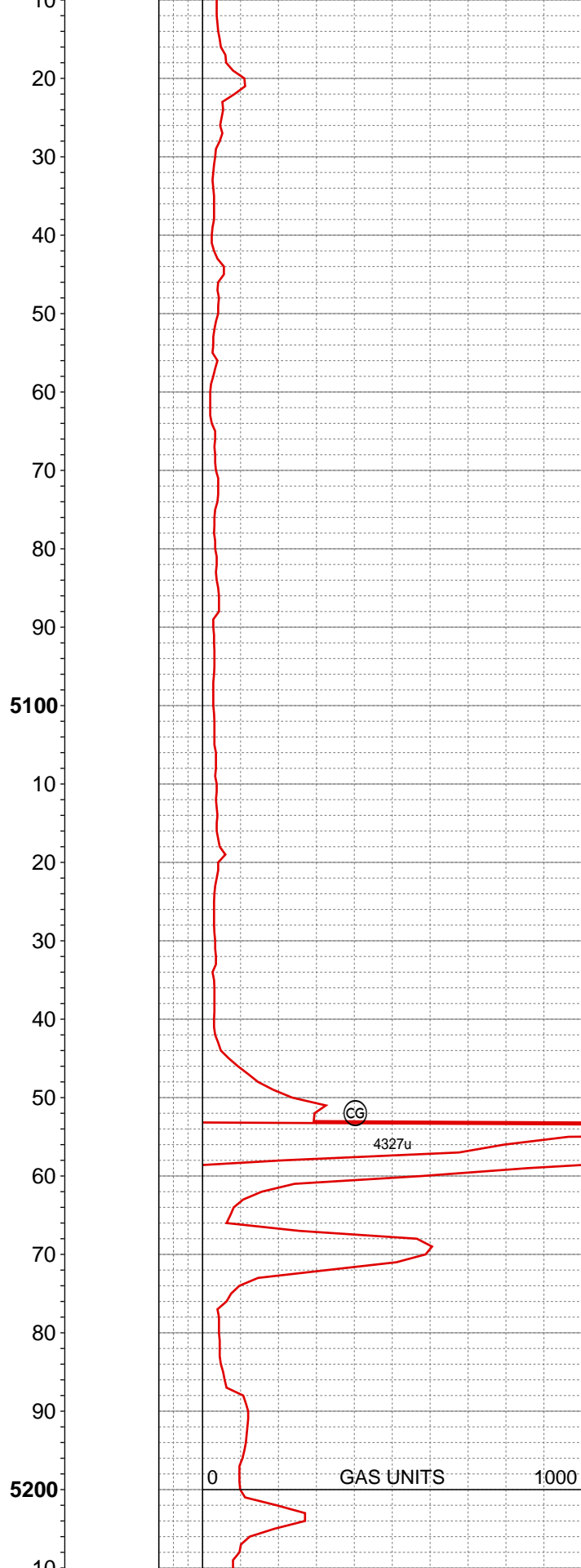
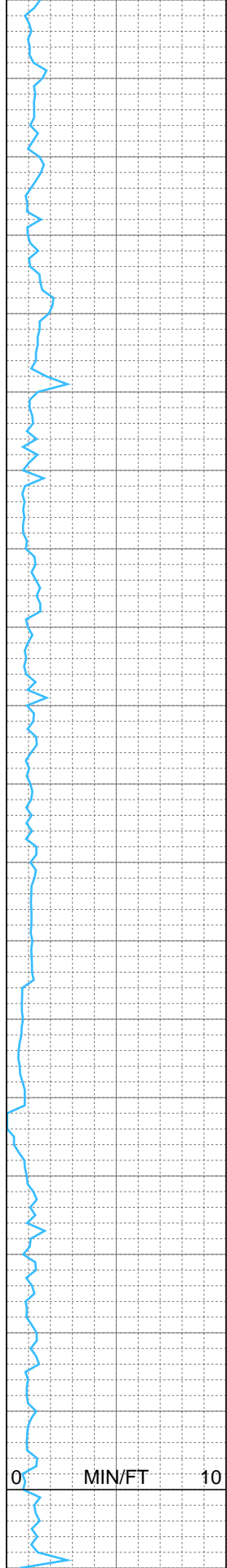


MUD WT. 9.0
VIS. 39

MUD WT. 9.0
VIS. 45

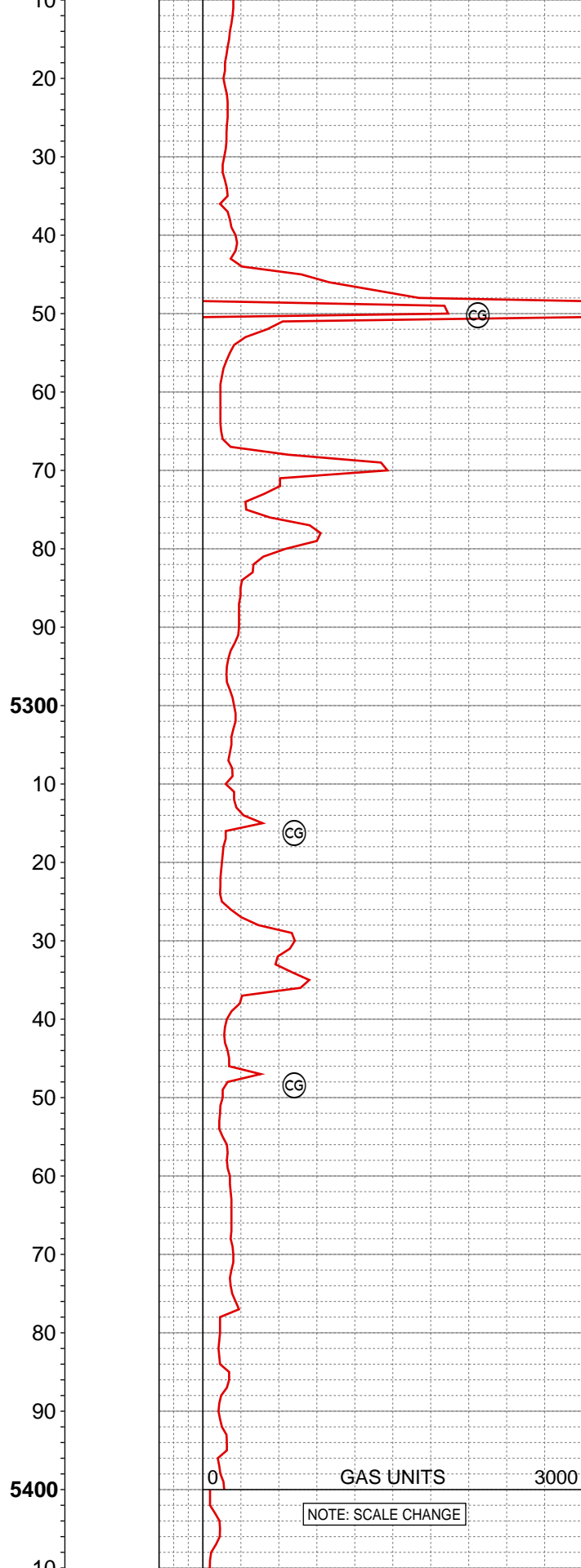
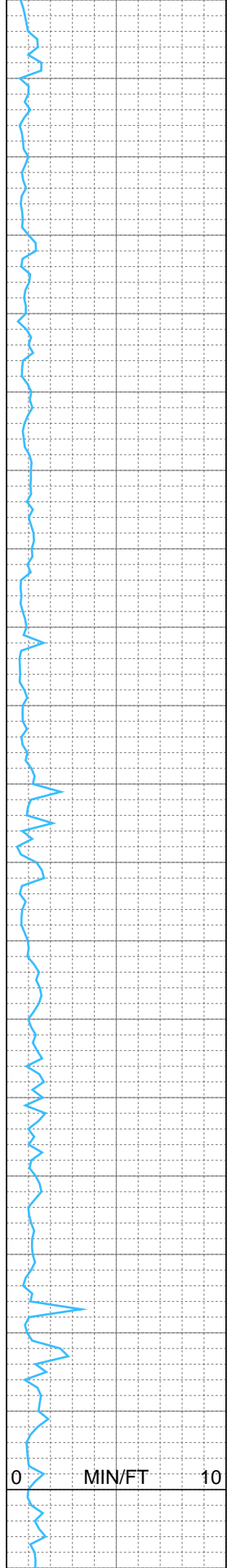
MUD WT. 9.0
VIS. 40

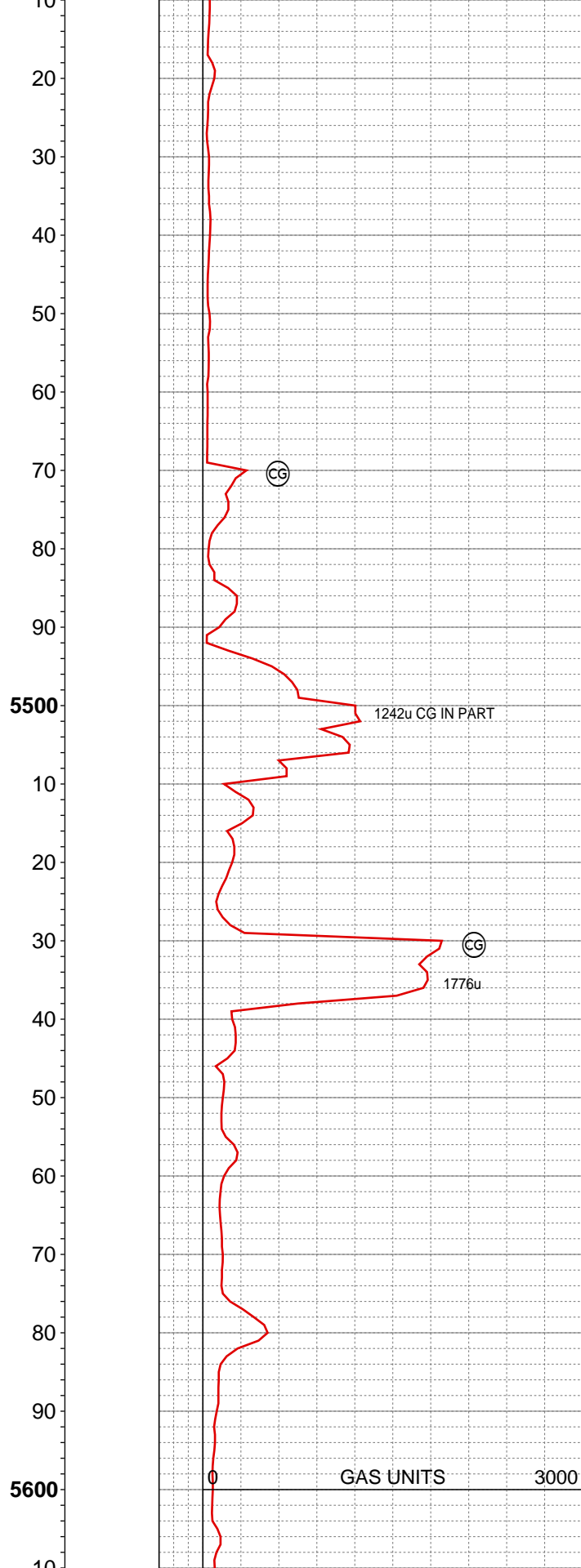
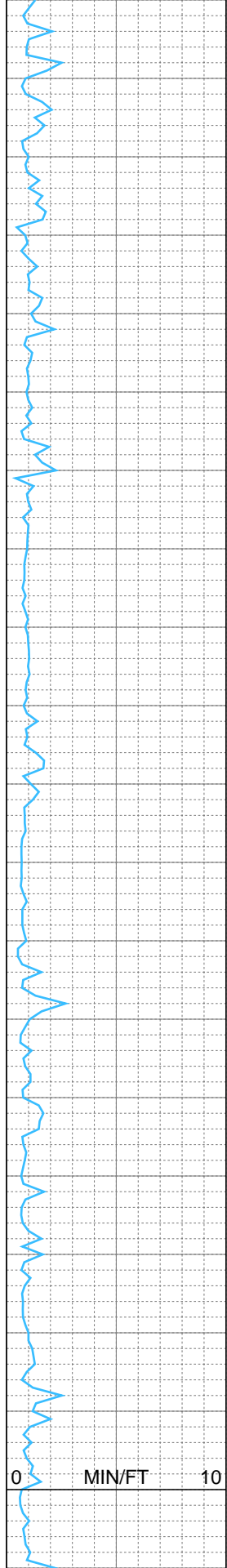




MUD WT. IN 8.6/OUT 8.7
VIS. IN 48/OUT 47

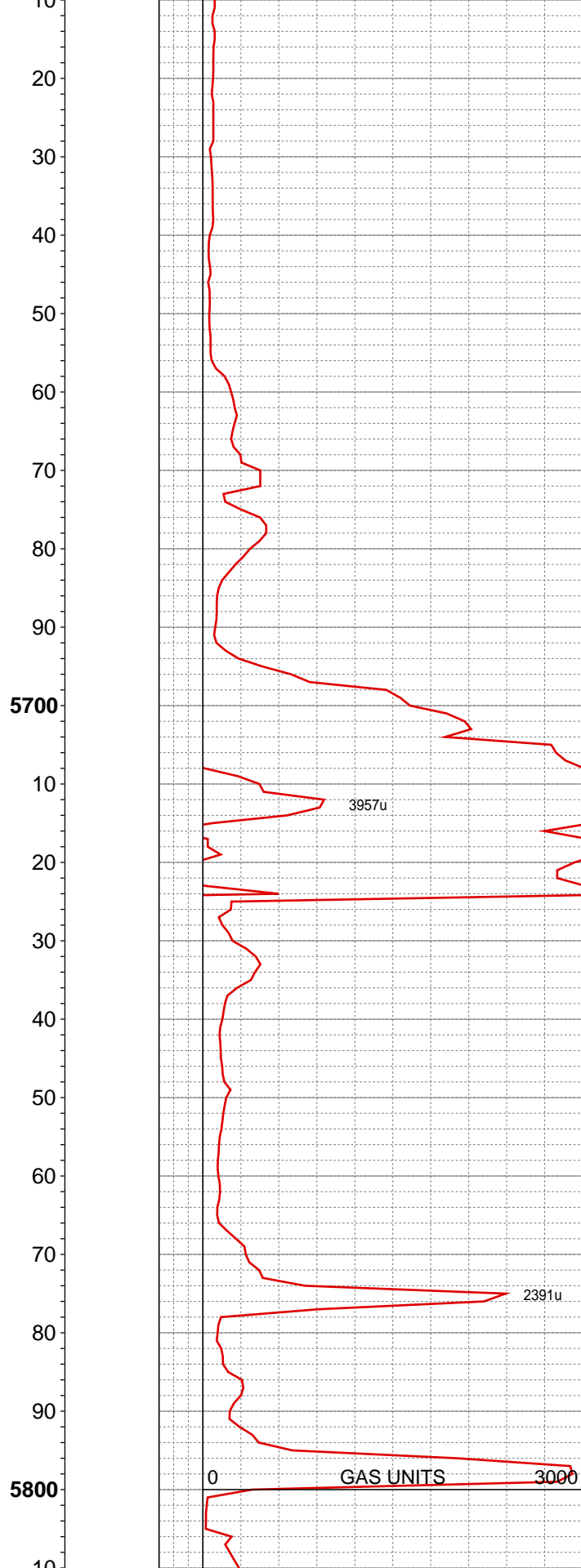
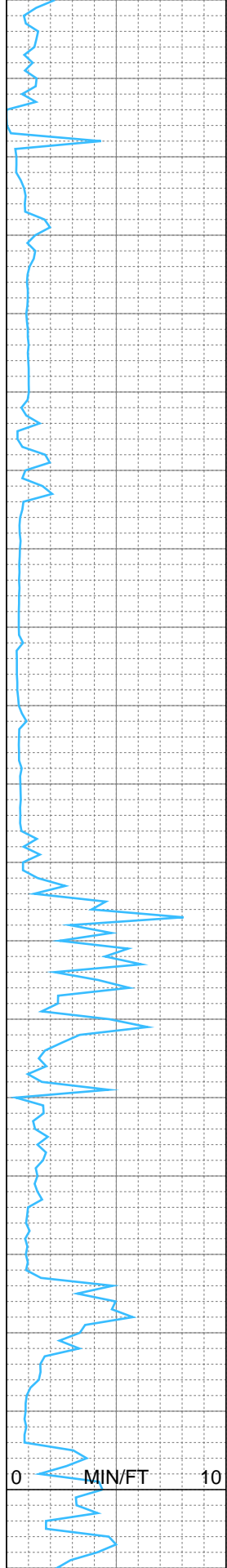
MUD WT. IN 8.6/OUT 8.7
VIS. IN 47/OUT 47



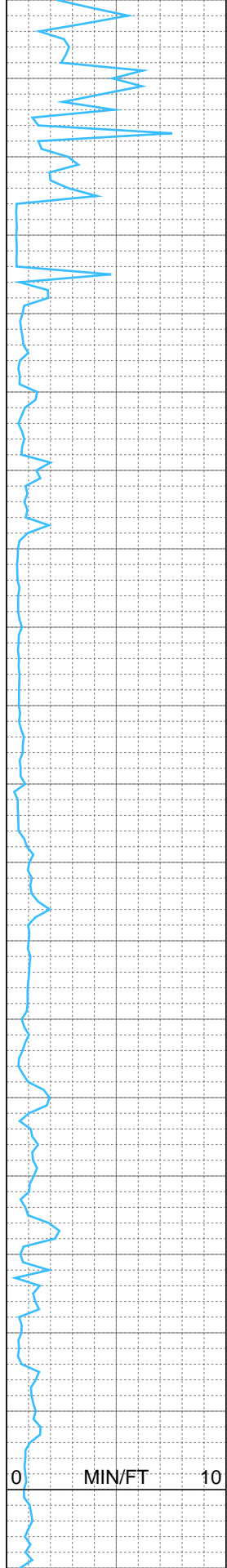


MUD WT. IN 8.6/OUT 8.6+
VIS. IN 51/OUT 53

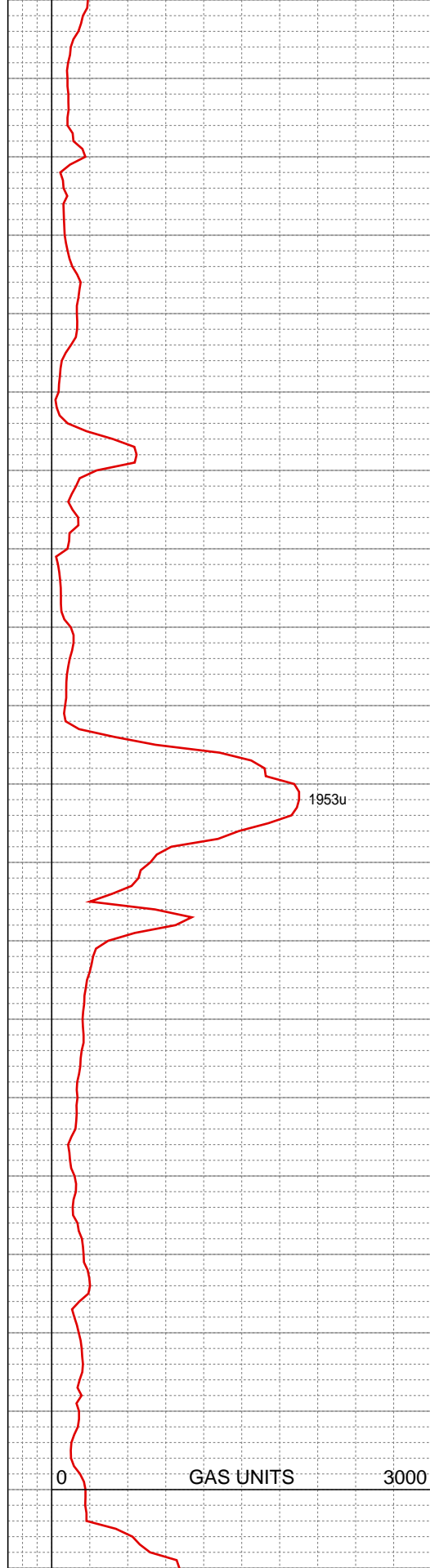
MUD WT. IN 8.6/OUT 8.6+
VIS. IN 50/OUT 51



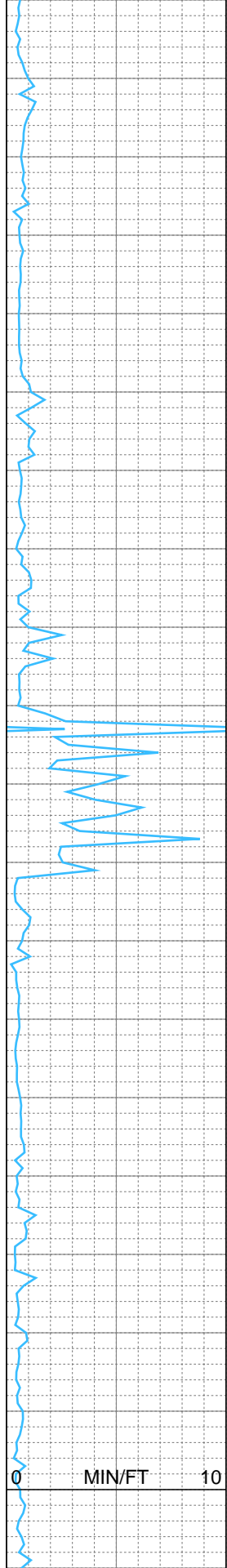
MUD WT. IN 8.8/OUT 8.7
VIS. IN 70/OUT 50



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5900
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6000
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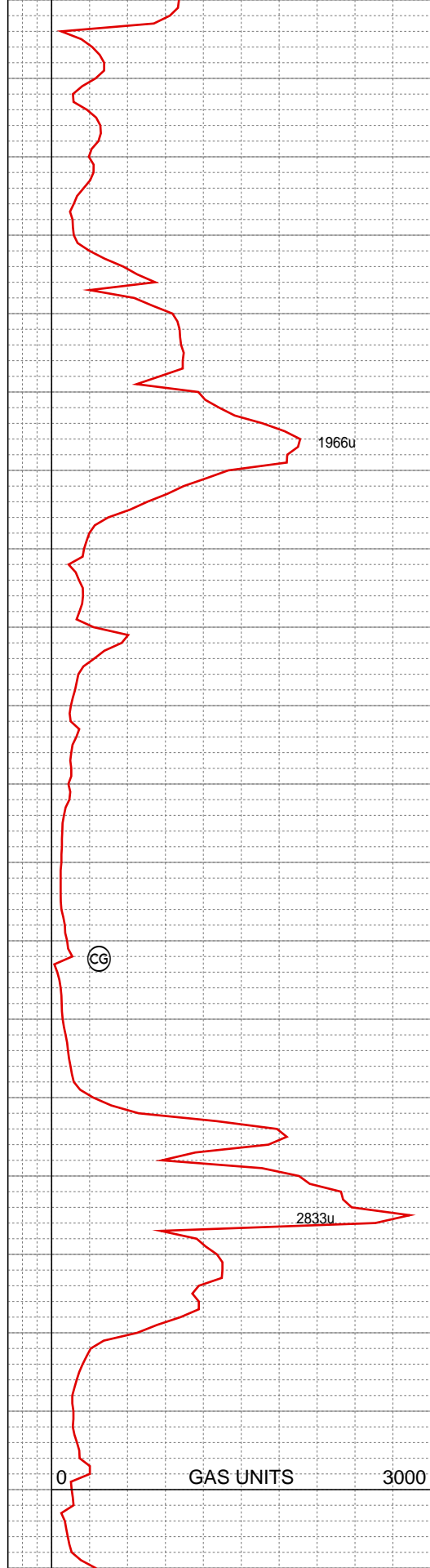
MUD WT. IN 8.9+/OUT 8.9+
VIS. IN 48/OUT 50



0 MIN/FT 10

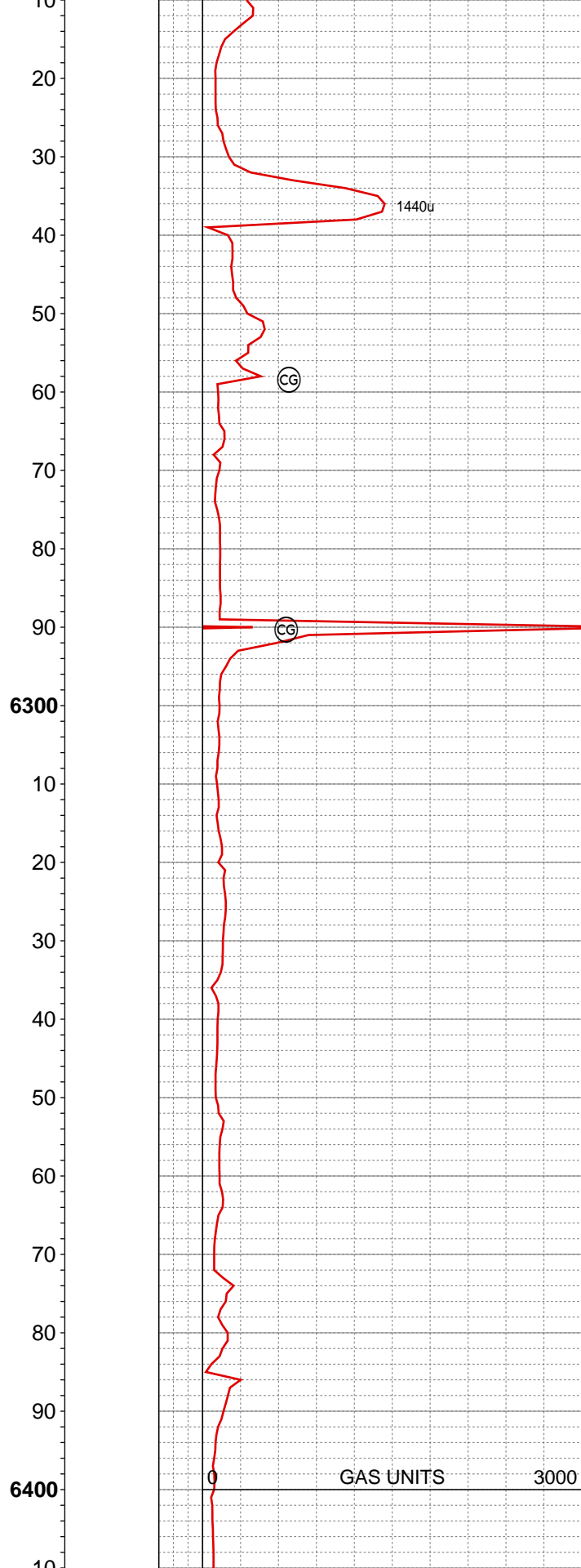
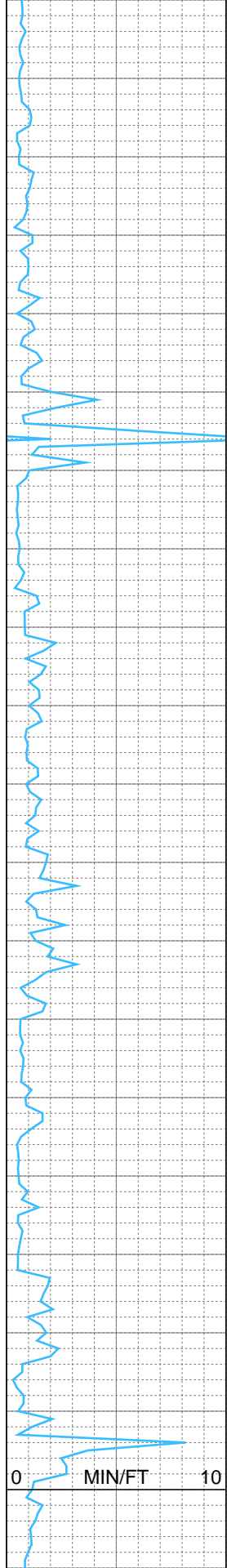
6100

6200



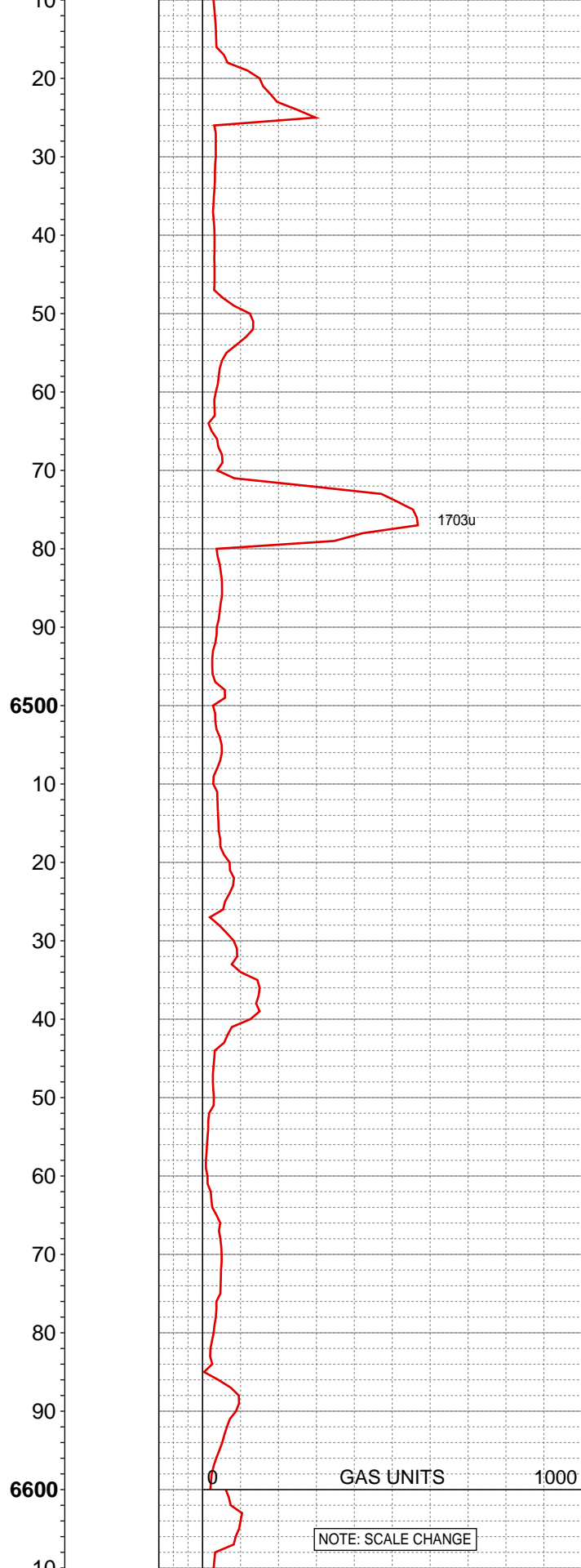
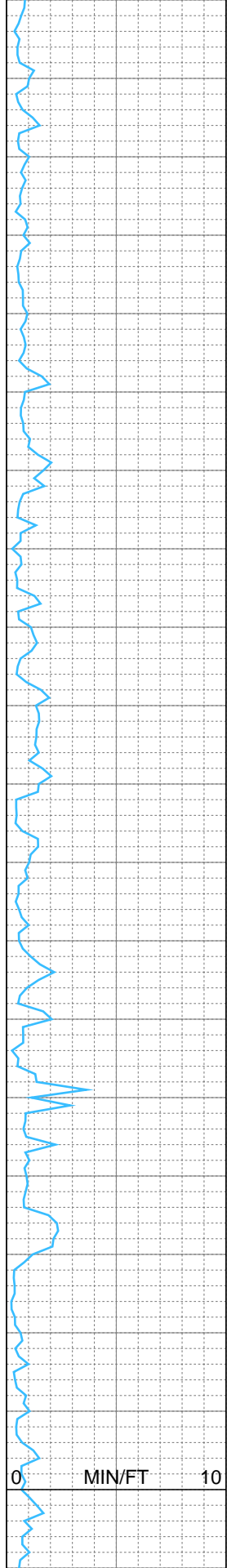
0 GAS UNITS 3000

MUD WT. 9.0
VIS. 55



MUD WT. IN 9.0/OUT 9.0+
VIS. IN 53/OUT 52

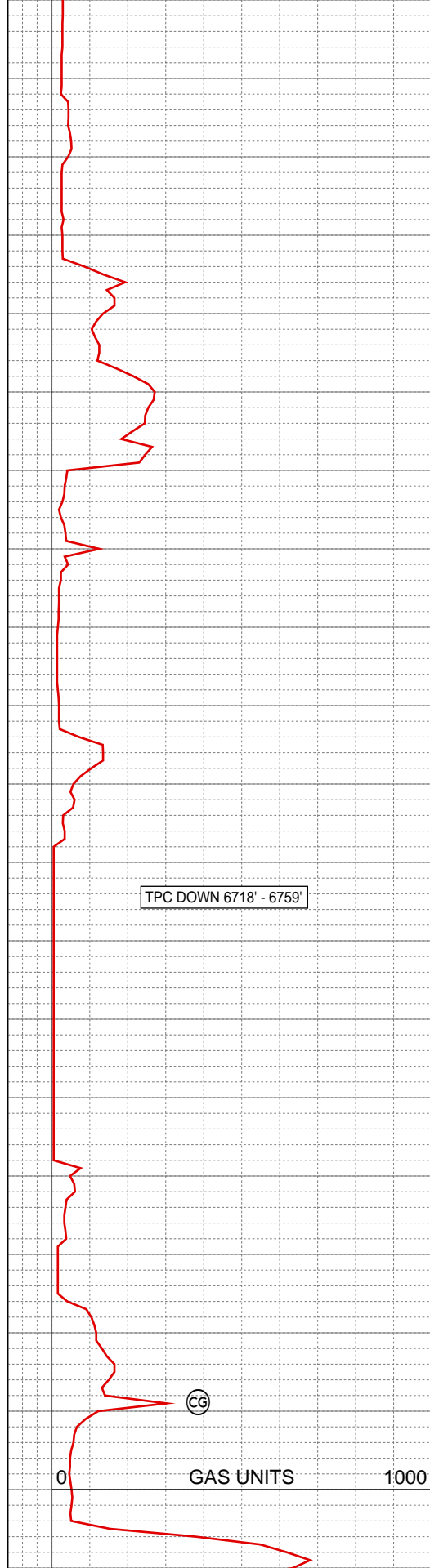
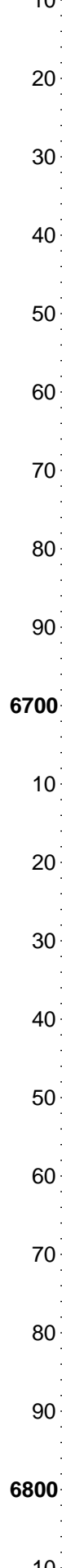
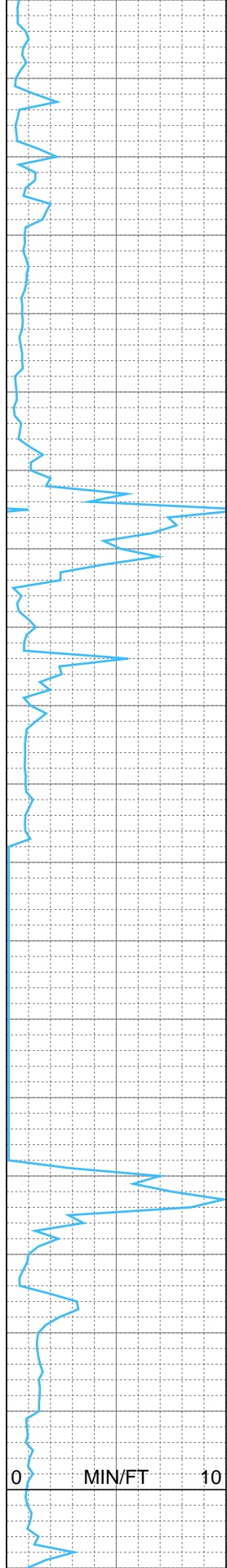
MUD WT. IN 9.1+/OUT 9.2
VIS. IN 49/OUT 49



MUD WT. IN 9.1+/OUT 9.2
VIS. IN 53/OUT 52

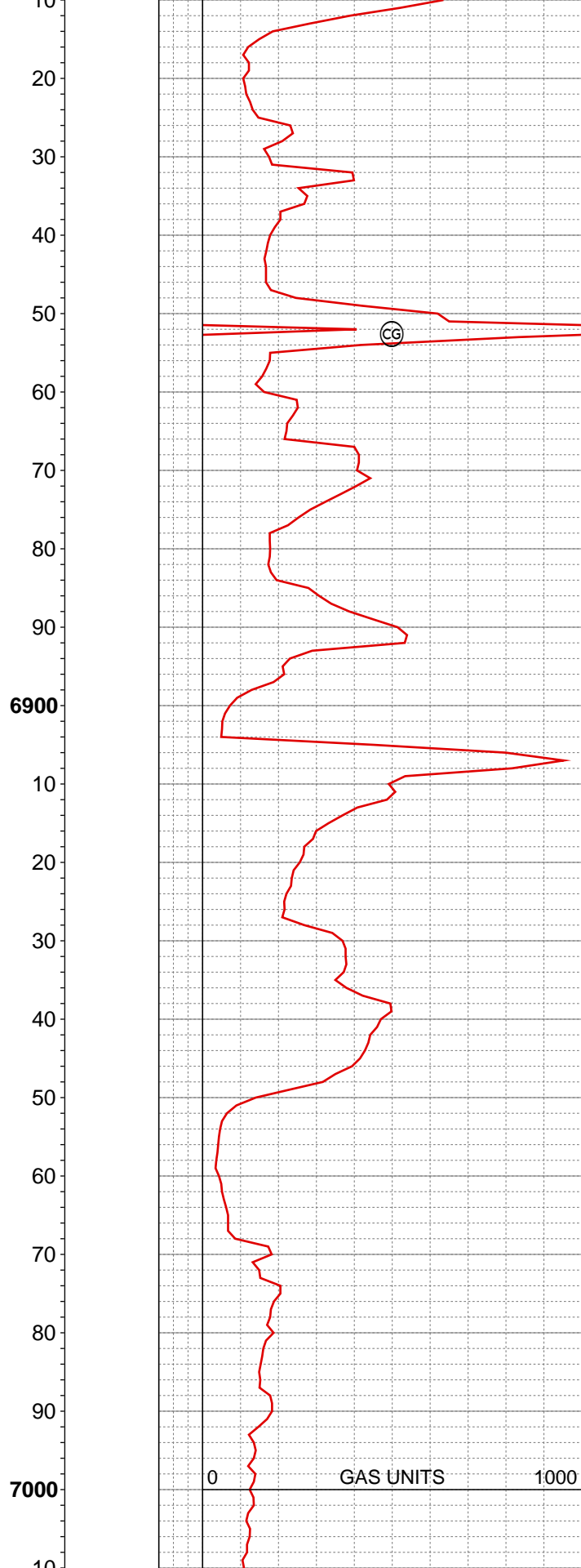
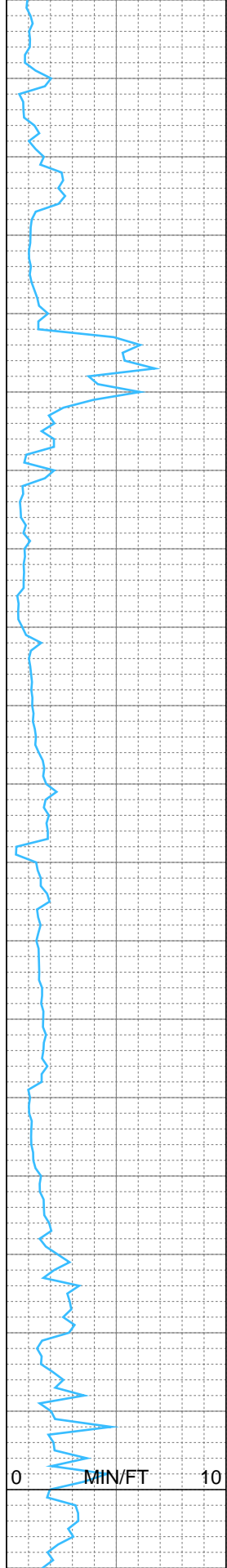
MUD WT. IN 9.1/OUT 9.1+
VIS. IN 51/OUT 50

MUD WT. IN 9.1/OUT 9.1
VIS. IN 52/OUT 53



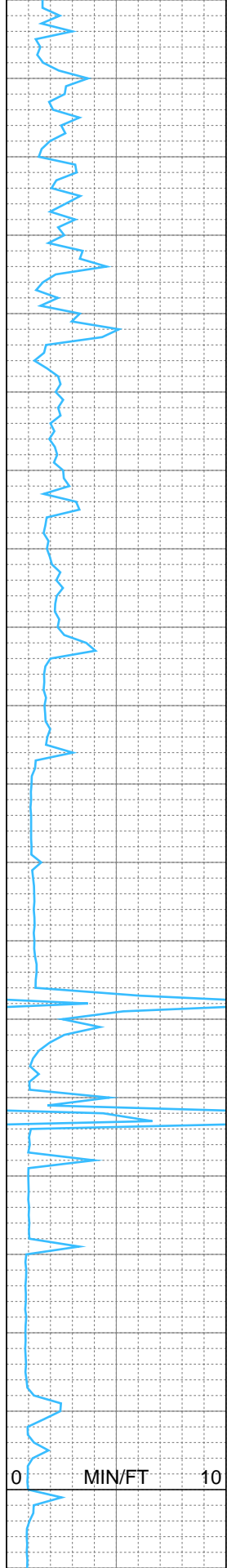
MUD WT. IN 9.1/OUT 9.1+
VIS. IN 49/OUT 52

MUD WT. IN 9.5/OUT 9.4
VIS. IN 40/OUT 42

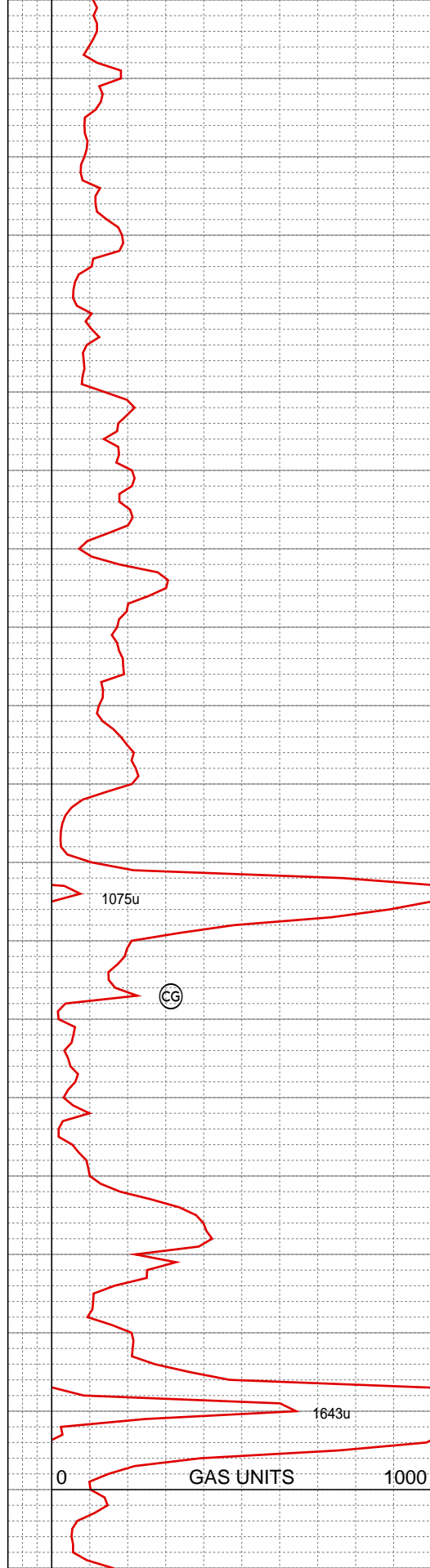


MUD WT. IN 9.3/OUT 9.3+
VIS. IN 56/OUT 52

MUD WT. IN 9.4/OUT 9.4
VIS. IN 47/OUT 46



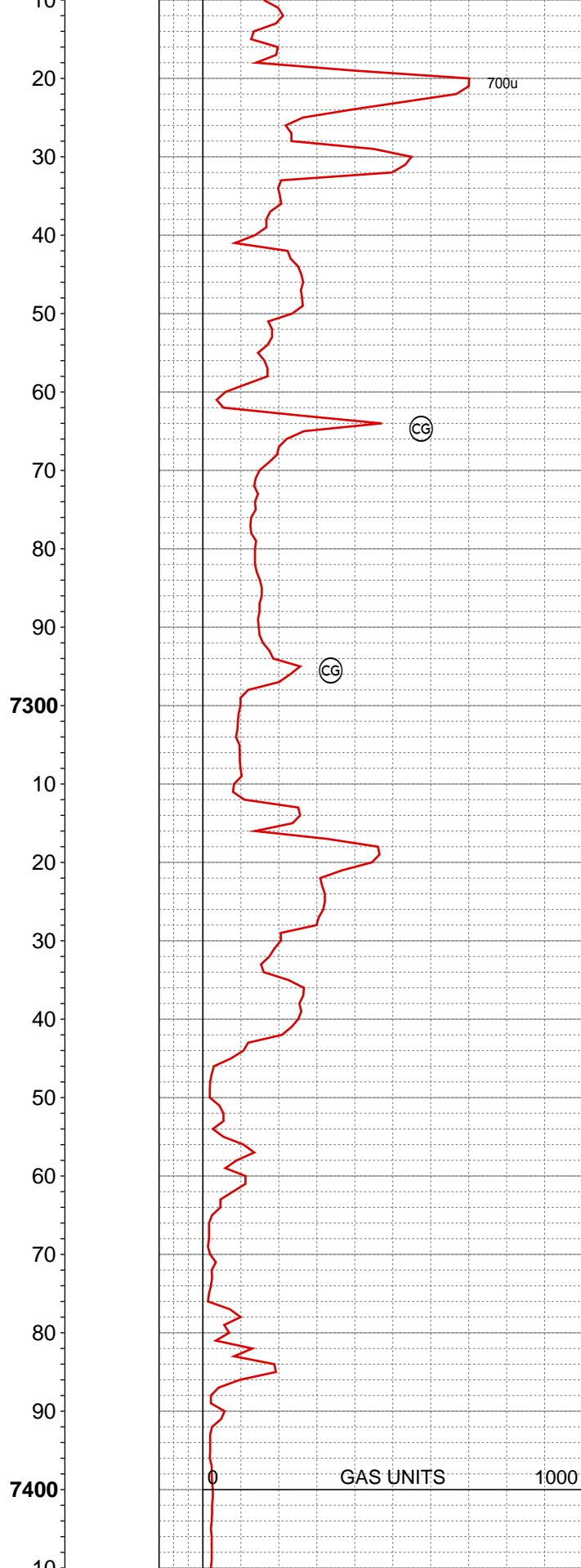
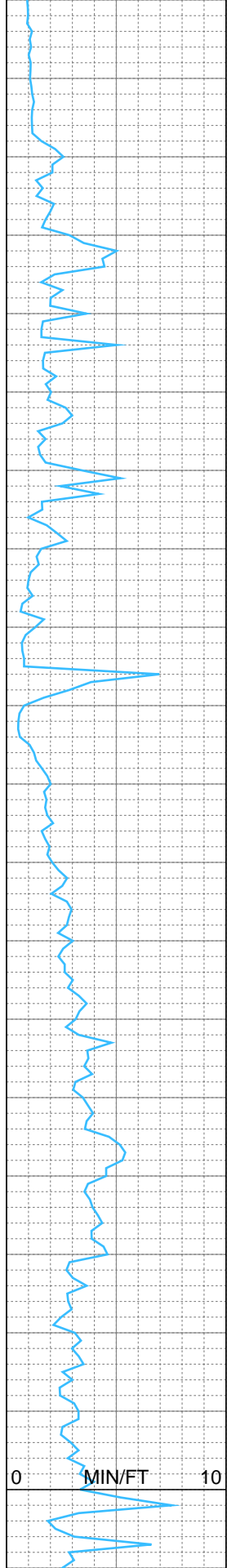
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7100
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7200
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MUD WT. IN 9.4/OUT 9.4
VIS. IN 55/OUT 50

MUD WT. IN 9.4/OUT 9.4
VIS. IN 53/OUT 53

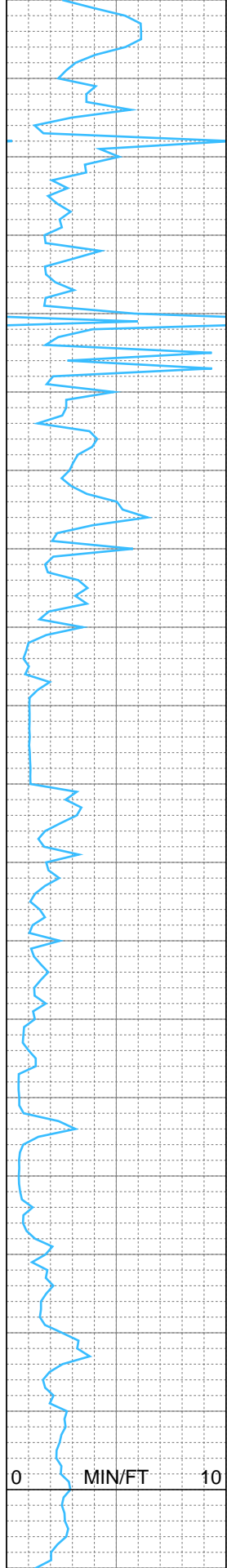
MUD WT. IN 9.2/OUT 9.2
VIS. IN 50/OUT 49



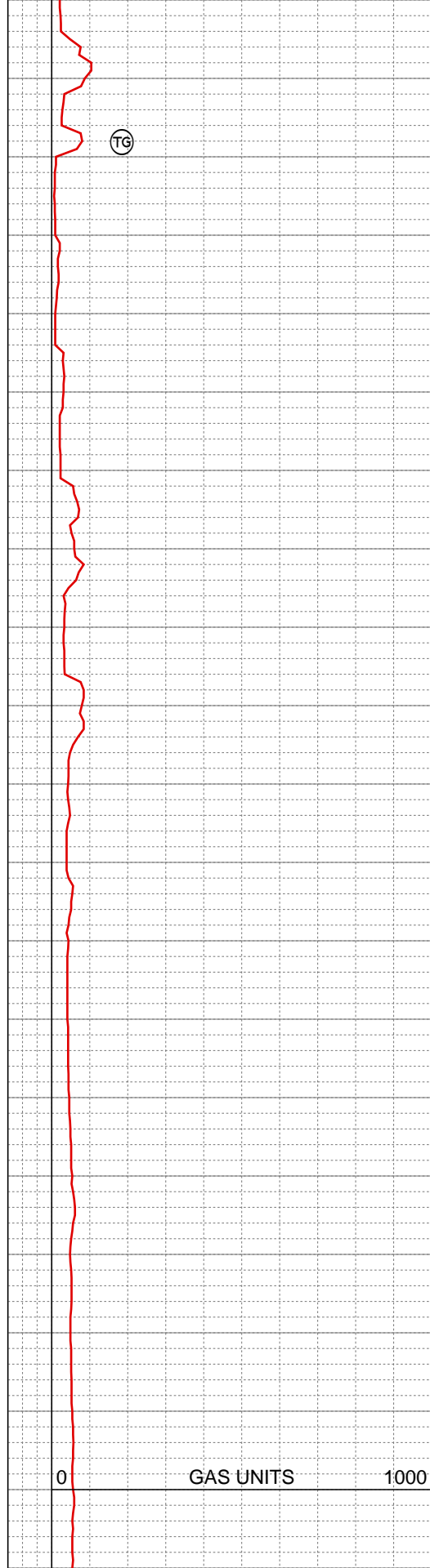
MUD WT. IN 9.2/OUT 9.2
VIS. IN 51/OUT 51

MUD WT. IN 9.3/OUT 9.4
VIS. IN 48/OUT 44

MUD WT. IN 9.3+/OUT 9.4
VIS. IN 57/OUT 55



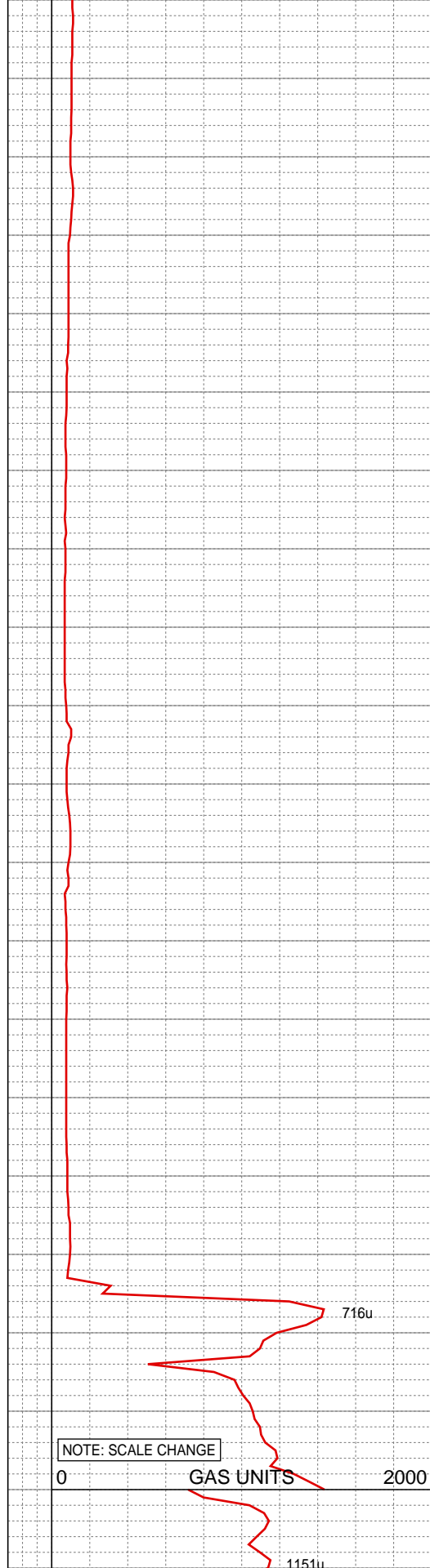
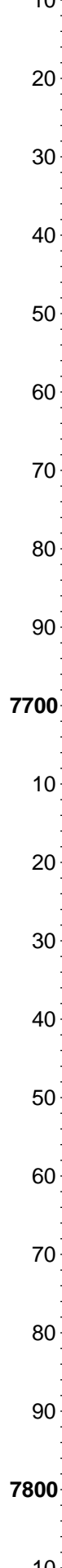
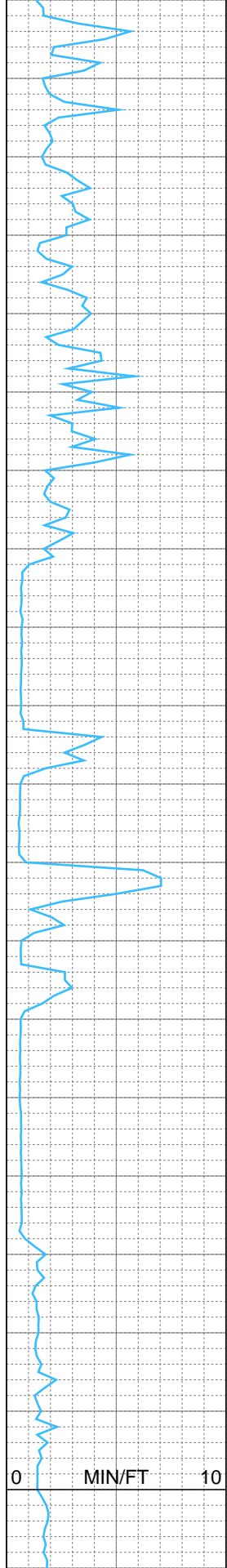
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7500
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7600
10



MUD WT. IN 9.2+/OUT 9.2+
VIS. IN 52/OUT 50

MUD WT. IN 9.4/OUT 9.4
VIS. IN 46/OUT 46

MUD WT. IN 9.3+/OUT 9.4
VIS. IN 50/OUT 45



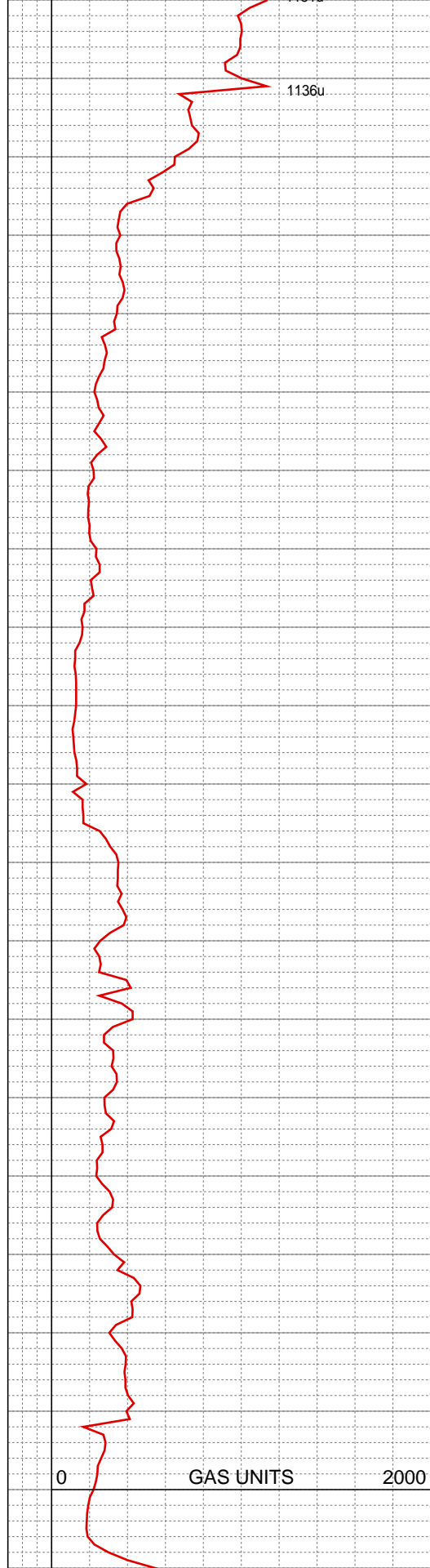
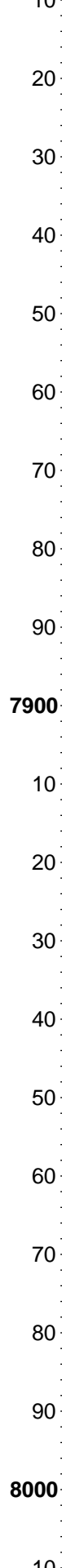
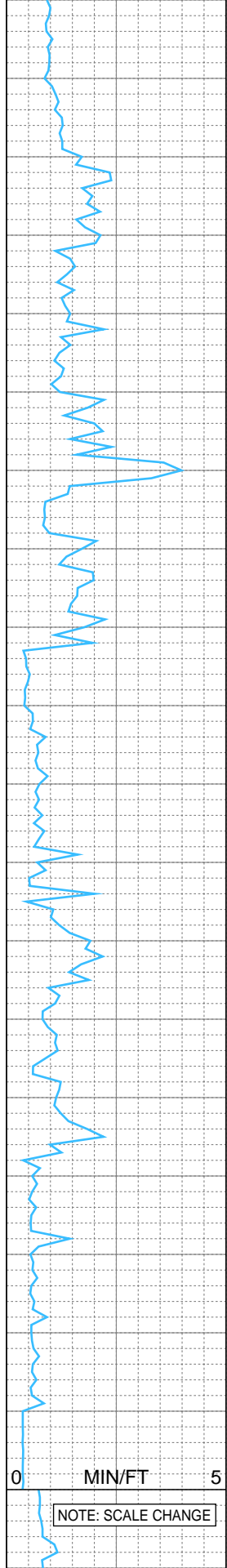
MUD WT. IN 9.3/OUT 9.4
VIS. IN 59/OUT 50

MUD WT. IN 9.3/OUT 9.4
VIS. IN 61/OUT 55

MUD WT. IN 9.2+/OUT 9.3
VIS. IN 63/OUT 60

MUD WT. IN 9.2/OUT 9.3
VIS. IN 61/OUT 59

MUD WT. IN 9.4+/OUT 9.2
VIS. IN 58/OUT 55



MUD WT. IN 9.3/OUT 9.3
VIS. IN 52/OUT 51

MUD WT. IN 9.4/OUT 9.4
VIS. IN 56/OUT 55

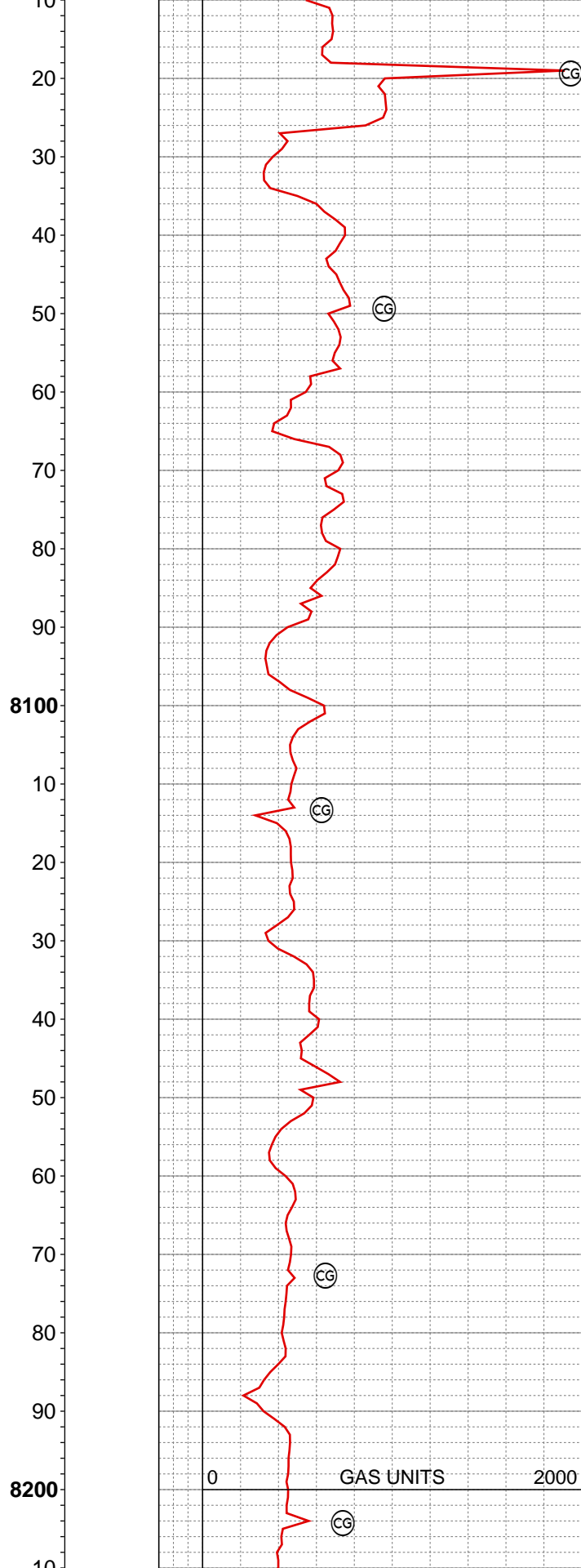
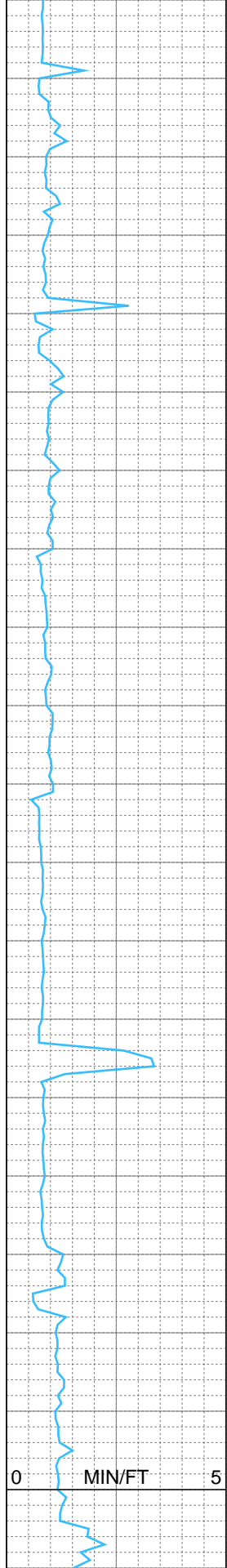
1136u

7900

8000

GAS UNITS

2000

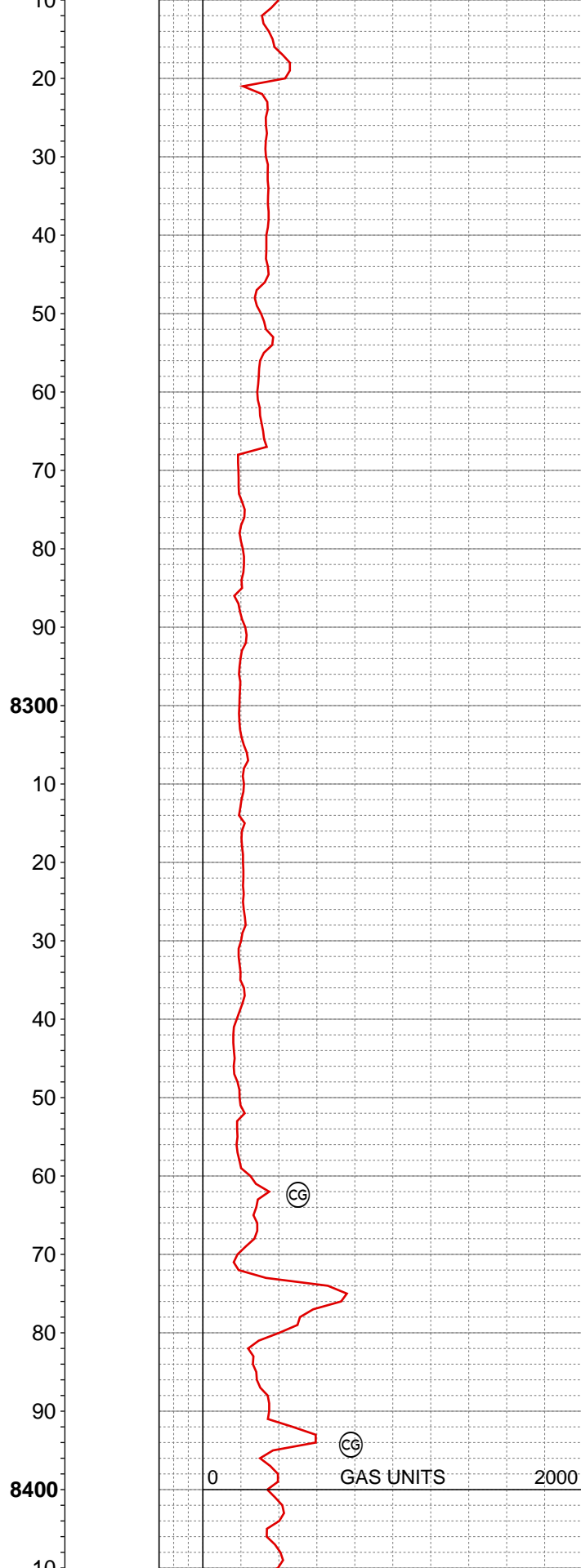
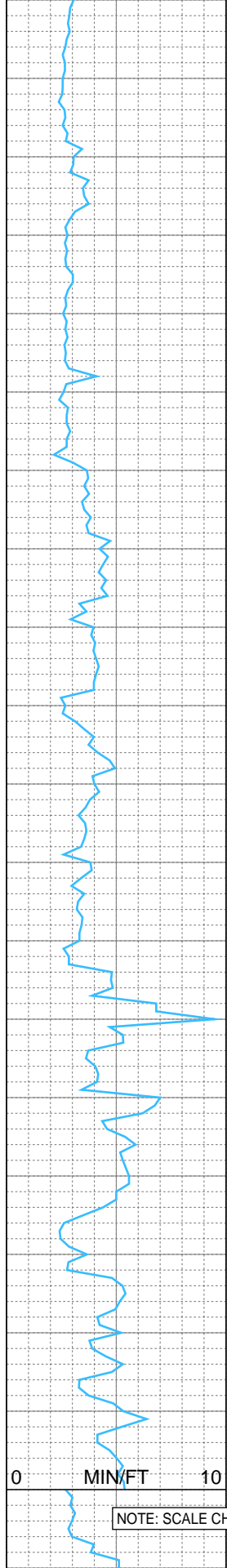


MUD WT. IN 9.6/OUT 9.6
VIS. IN 54/OUT 54

MUD WT. IN 9.6/OUT 9.6
VIS. IN 55/OUT 55

MUD WT. IN 9.4/OUT 9.4
VIS. IN 52/OUT 51

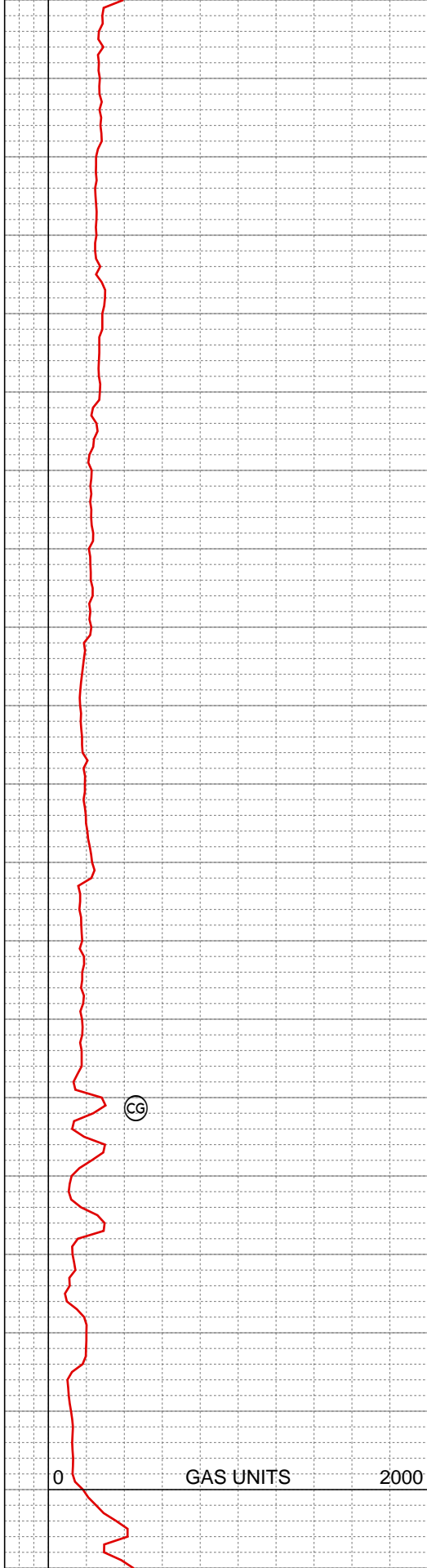
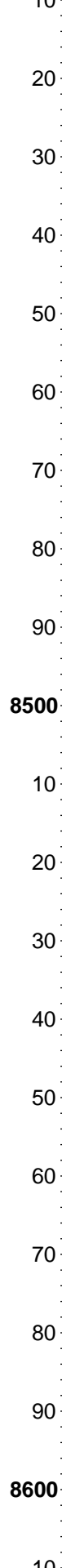
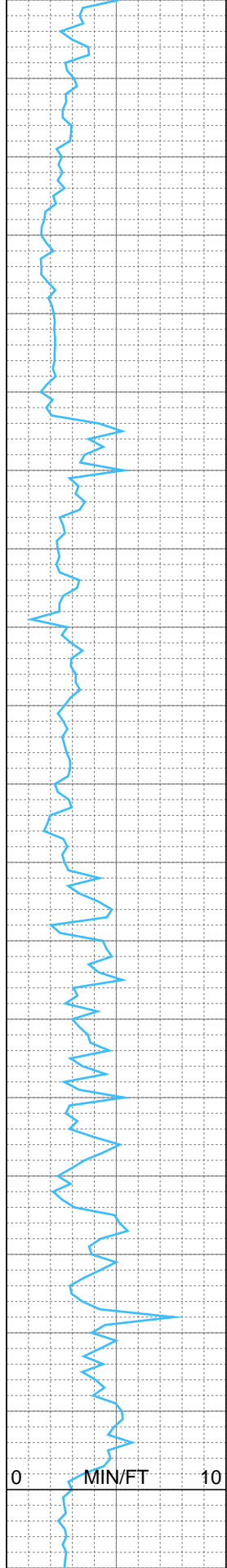
MUD WT. IN 9.5/OUT 9.5
VIS. IN 50/OUT 50



MUD WT. IN 9.6+/OUT 9.7
VIS. IN 60/OUT 50

MUD WT. IN 9.5/OUT 9.6
VIS. IN 49/OUT 57

MUD WT. IN 9.5/OUT 9.5
VIS. IN 60/OUT 58



MUD WT. IN 9.6/OUT 9.6+
VIS. IN 52/OUT 59

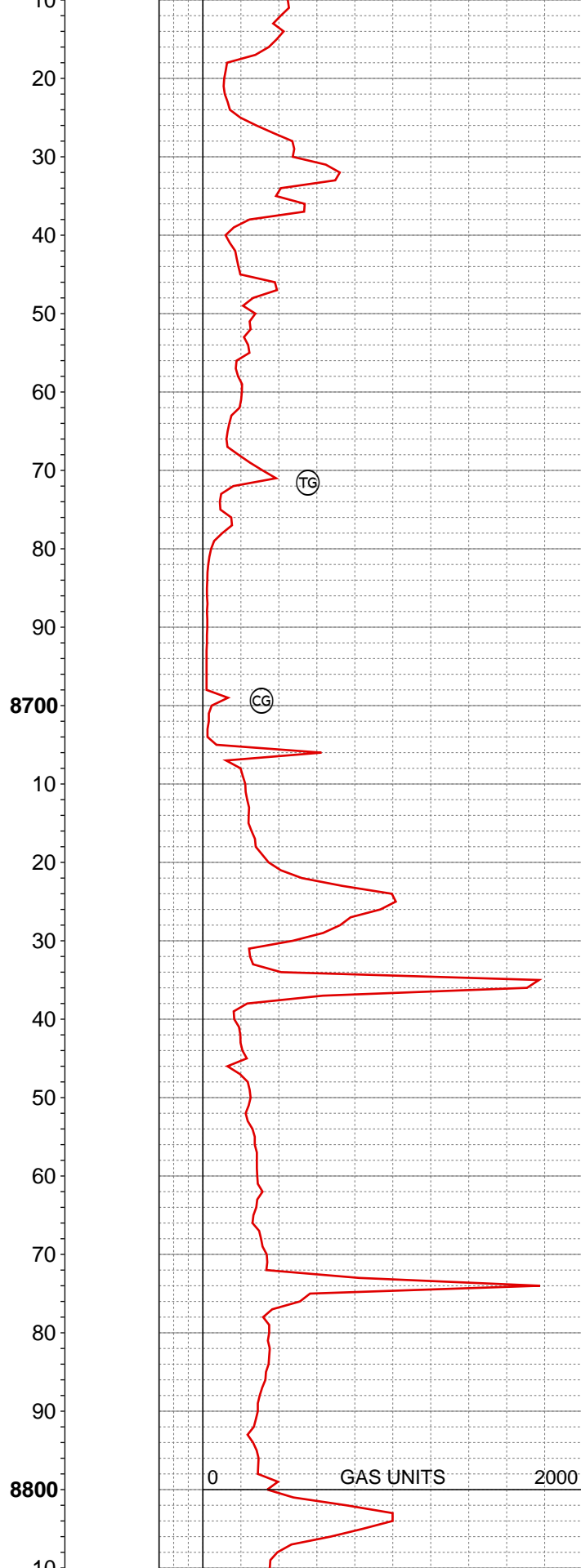
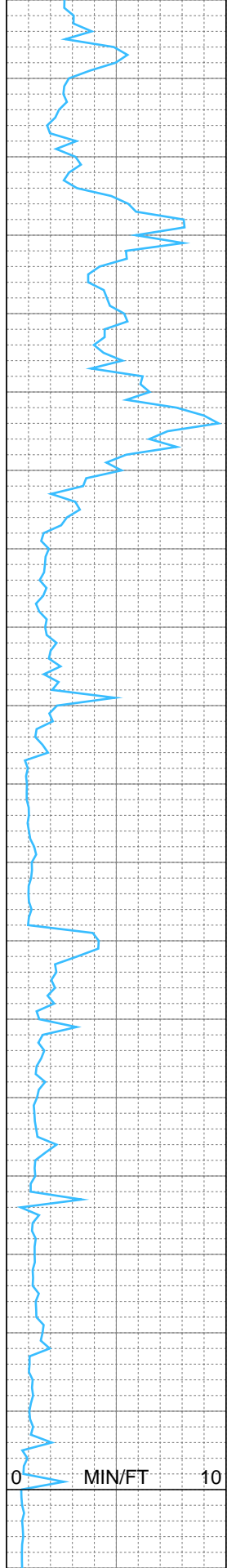
MUD WT. IN 8.7/OUT 9.7
VIS. IN 52/OUT 52

MUD WT. IN 9.4+/OUT 9.4+
VIS. IN 46/OUT 46

MUD WT. IN 9.4/OUT 9.4
VIS. IN 46/OUT 45

MUD WT. IN 9.4/OUT 9.4
VIS. IN 48/OUT 47

CG

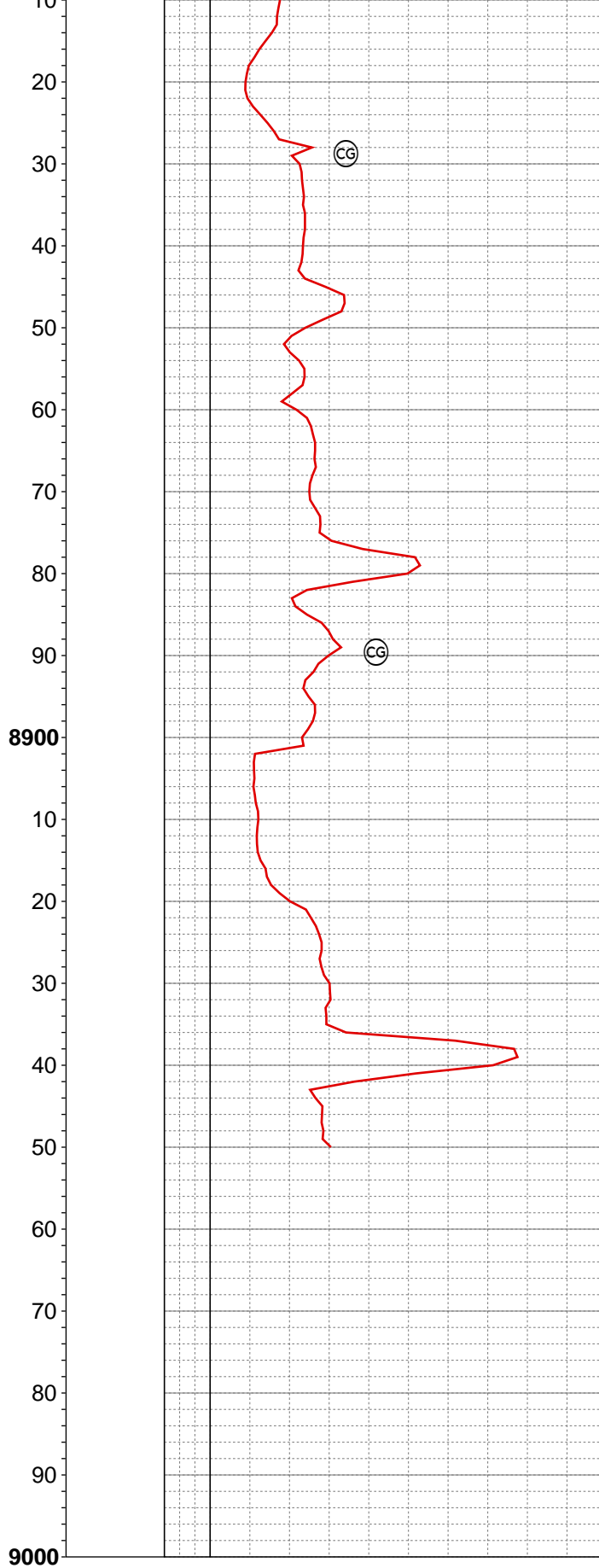
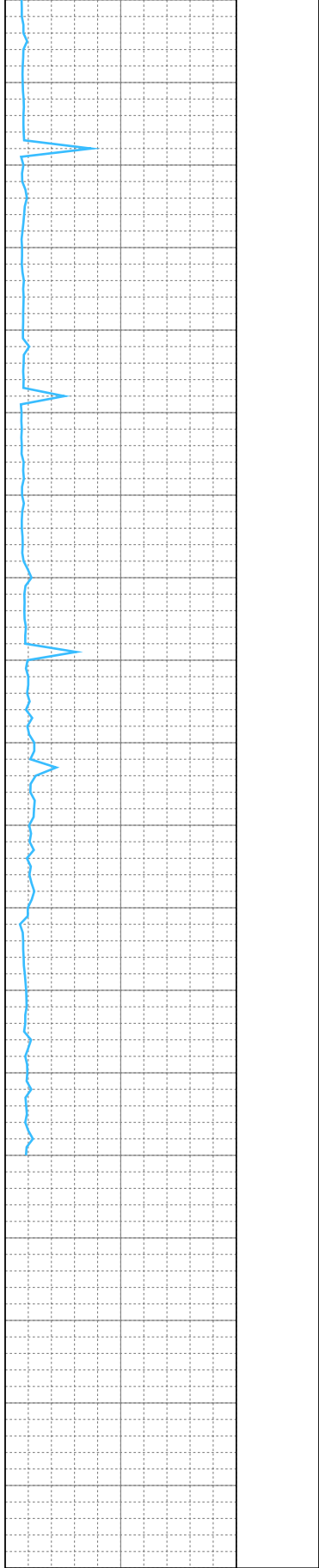


MUD WT. IN 9.6/OUT 9.6
VIS. IN 35/OUT 34

TRIP GAS = 385u

MUD WT. IN 9.4/OUT 9.2
VIS. IN 45/OUT 50

MUD WT. IN 9.4/OUT 9.3+
VIS. IN 45/OUT 44



MUD WT. IN 9.2/OUT 9.2
VIS. IN 46/OUT 47

MUD WT. IN 9.2/OUT 9.1
VIS. IN 47/OUT 47

MUD WT. IN 9.3/OUT 9.2
VIS. IN 55/OUT 50

MUD WT. IN 9.3/OUT 9.3
VIS. IN 53/OUT 52

TD 8950' ON 12/09/07