


























































OPERATOR: ORION ENERGY PARTNERS
WELL: JOLLEY 16-1
LOCATION: SEC 16 T6S R91W
COUNTY: GARFIELD
STATE: COLORADO
SPOT: 663' FSL & 2000' FWL
ELEVATION: G.L. 6792' KB - 6808'
FIELD: KOKOPELLI
SPUD DATE: DECEMBER 18, 2007

TD DATE: JANUARY 03, 2008
DATES LOGGED: 12/19/07 - 1/3/08
DEPTHS LOGGED: 2105' - 8636'
LOGGERS: COMMAND CENTER
DRILLING FLUID: LSND
DRILLING RIG: SST 3
API #: 05-045-14576
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

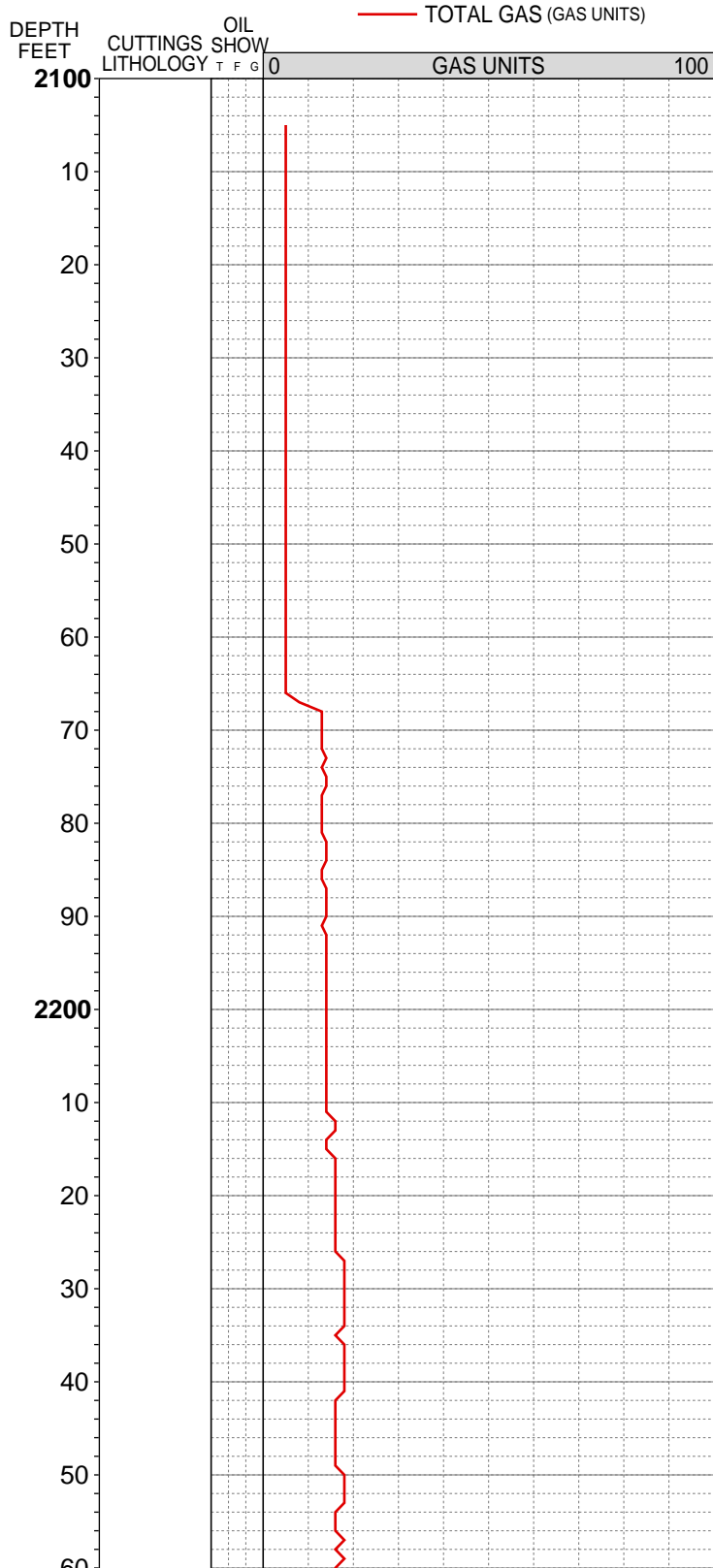
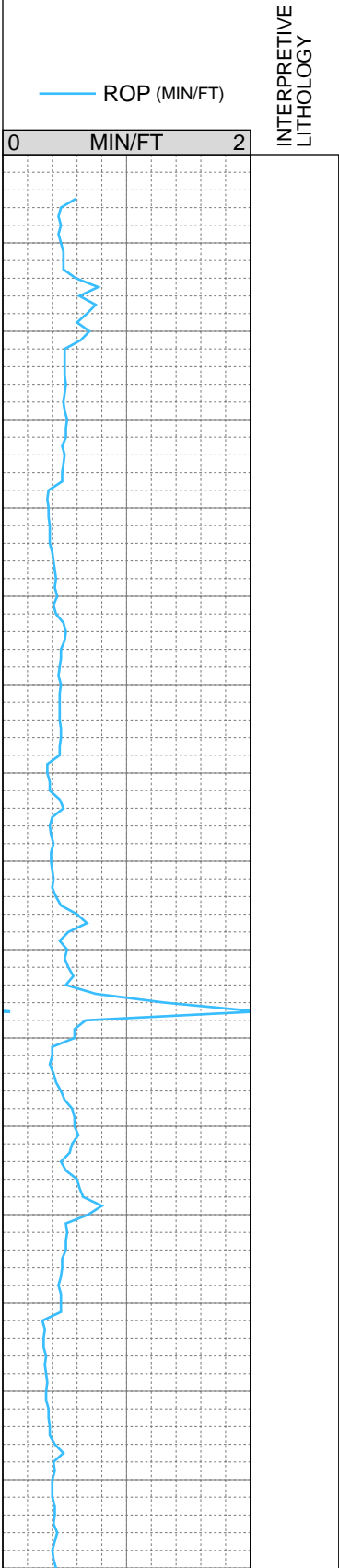
| | | | | | |
|--------------------------------|------------|------------|----------------|----------|-----------|
| INTERCRYSTALLINE INTERGRANULAR | VUGGY | FRACTURE | INTEROOLITIC | PINPOINT | ORGANIC |
| MOLDIC | EARTHY | FENESTRAL | | | |
| VERY POOR | POOR | MODERATE | MODERATLY WELL | WELL | VERY 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

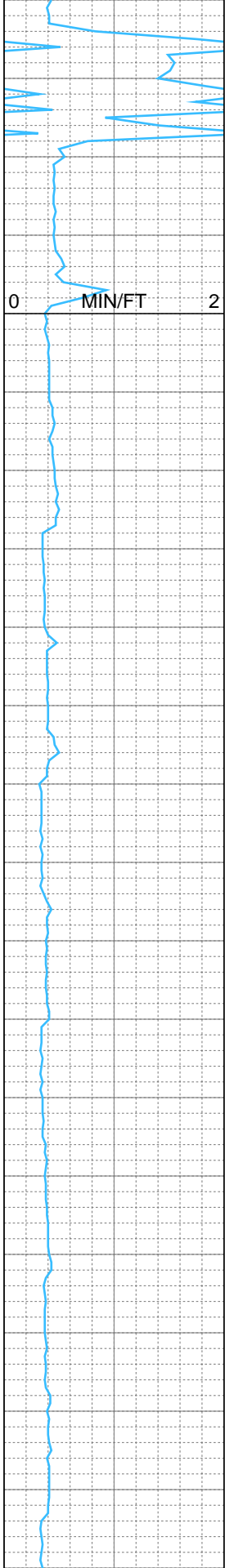
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|--------------------|-------------------------|---------------------|--------------------------|
| CB - CORE BIT | CG - CONNECTION GAS | CO - CIRCULATE OUT | DST - DRILL STEM TEST |
| DTG - DOWNTIME GAS | LAT - LOGGED AFTER TRIP | NR - NO RETURNS | 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 | |



LITHOLOGY DESCRIPTIONS

PASON SYSTEMS
TOTAL REMOTE LOGGING
2105' - 8636' TGAS RUNNING
AND LOGGING BEGAN
12/19/07 - 1/3/08

MUD WT IN 9.1/OUT 9.2
VIS IN 49/OUT 48



2300

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70

80

2400

10

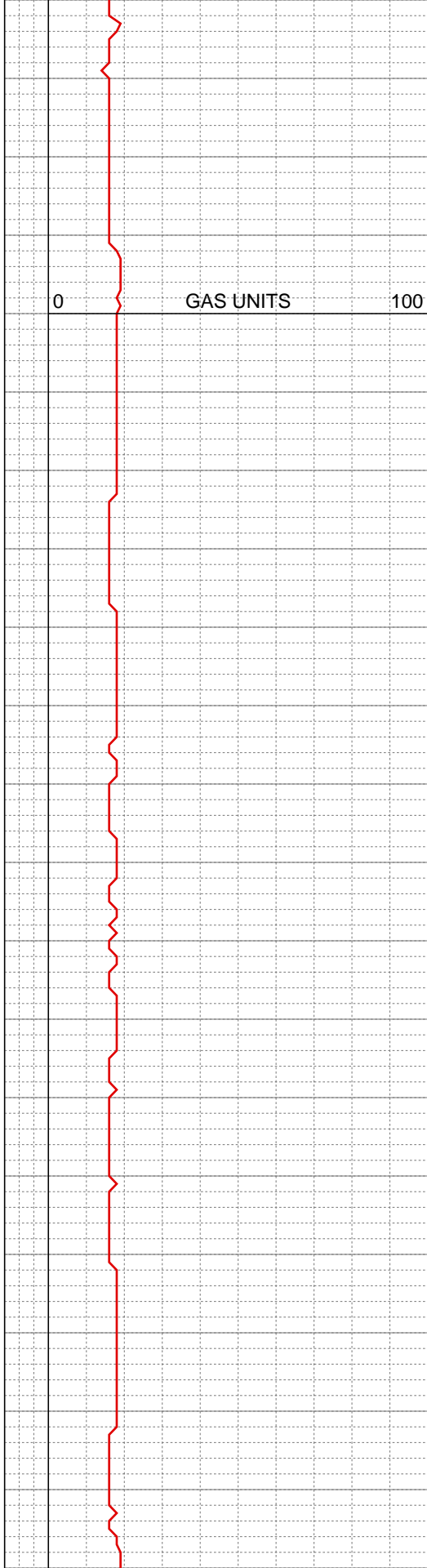
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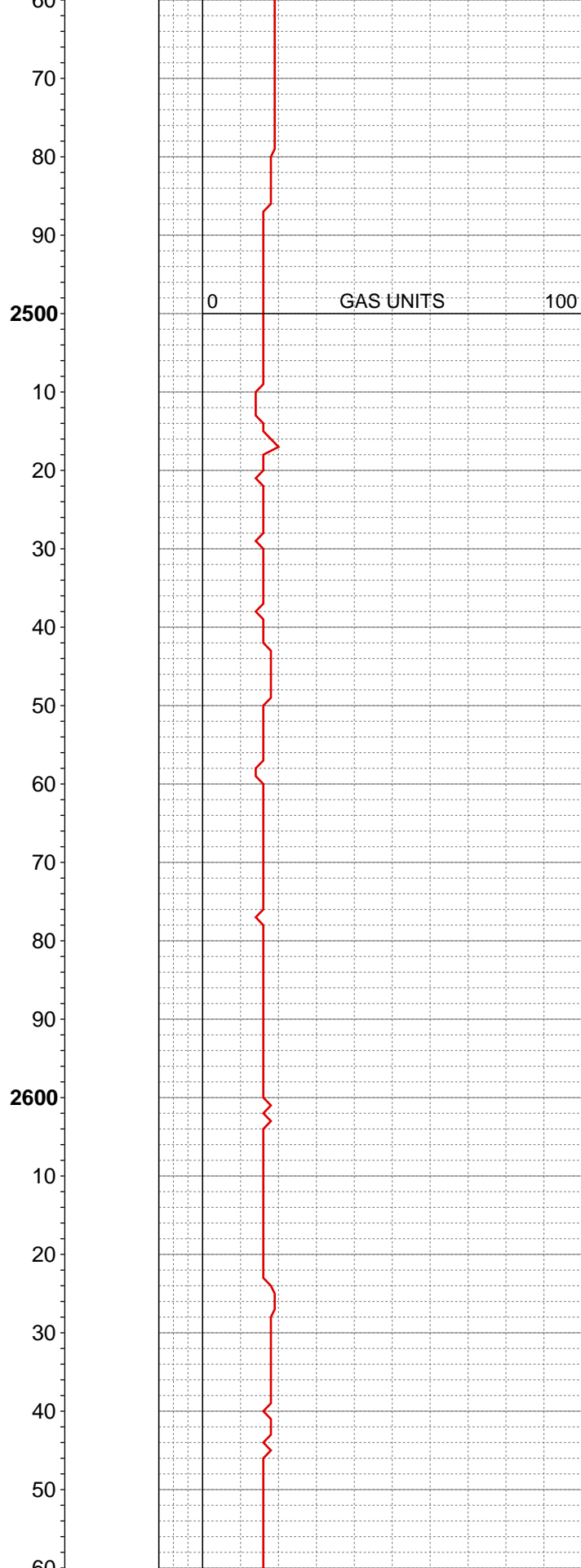
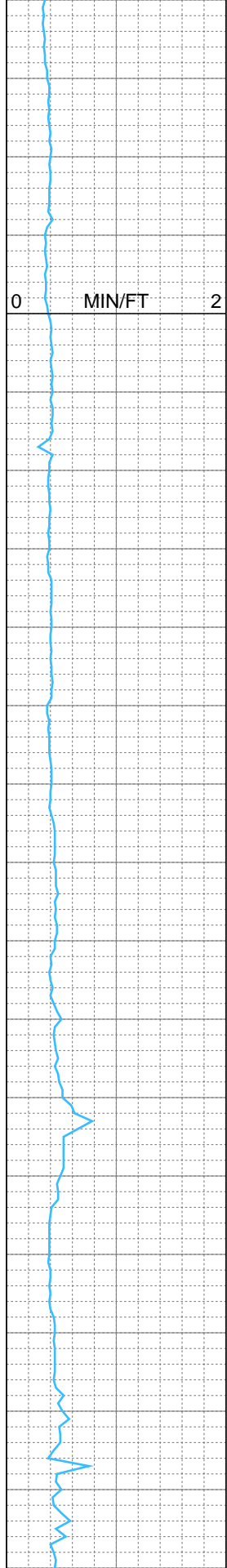
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60



MUD WT IN 9.0/OUT 9.0
VIS IN 58/OUT 57

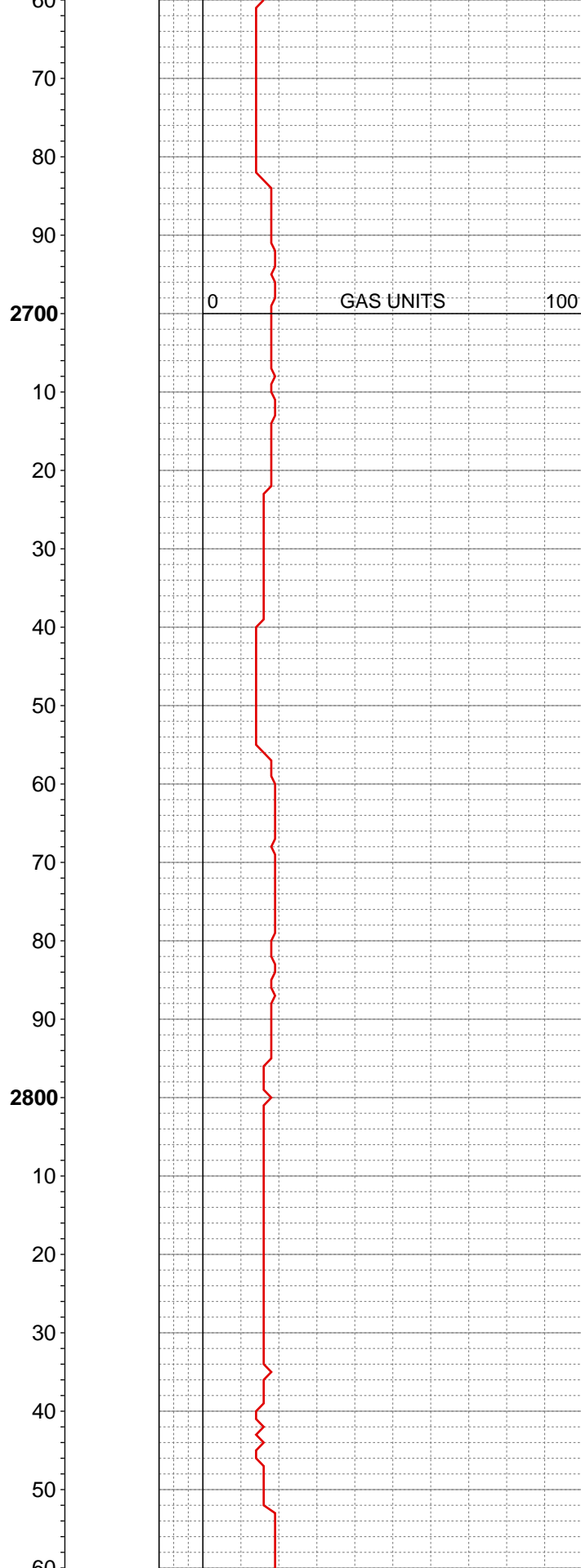
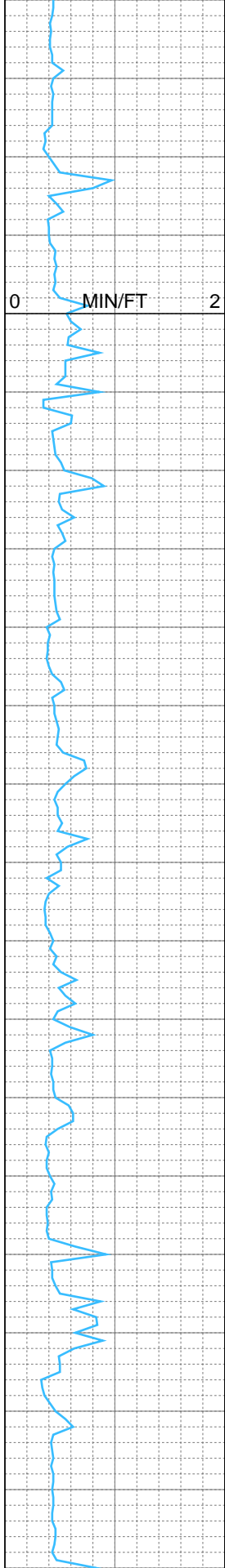
MUD WT. IN 9.1/OUT 9.1
VIS. IN 53/OUT 52



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

MUD WT. IN 9.1/OUT 9.2
VIS. IN 46/OUT 45

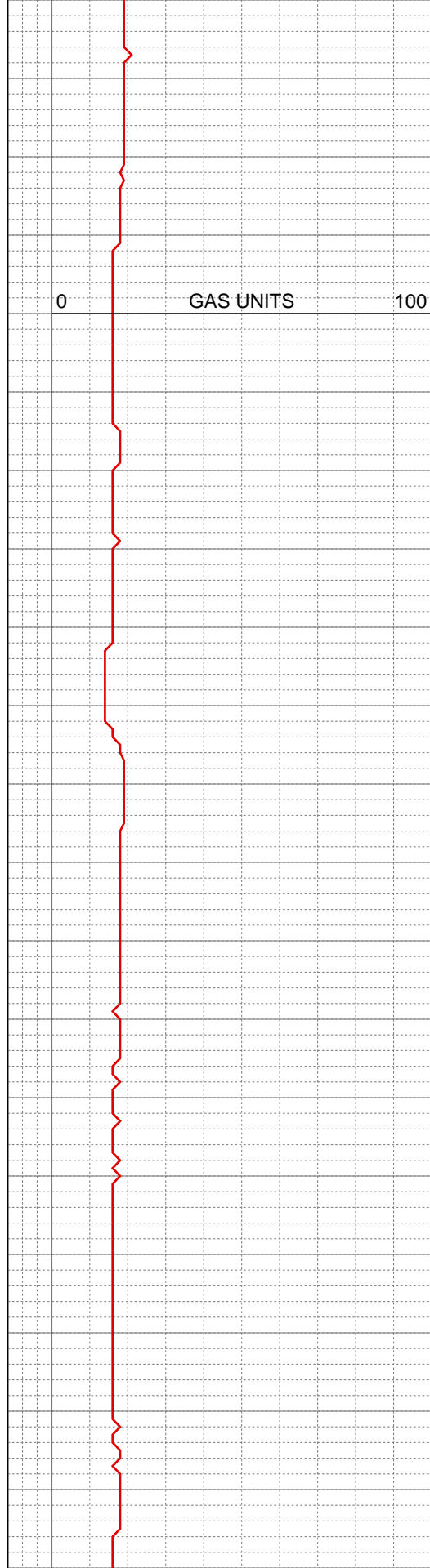
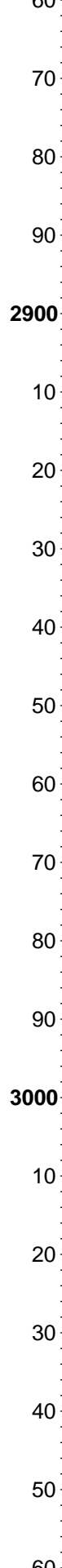
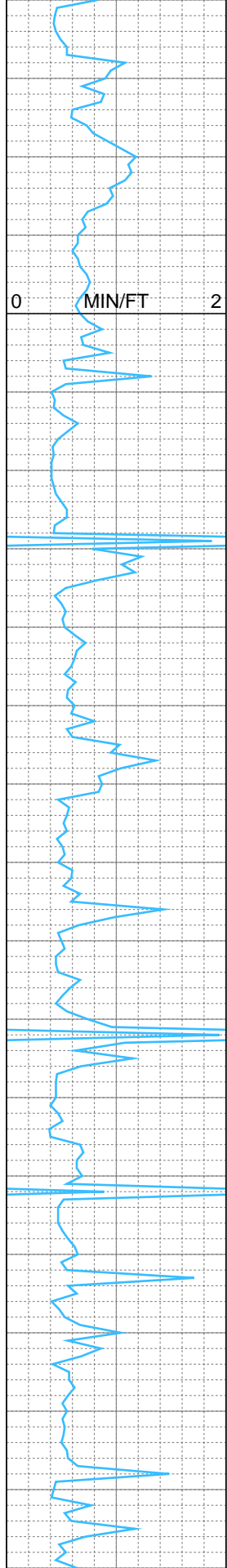
MUD WT. IN 9.2/OUT 9.2
VIS. IN 45/OUT 44



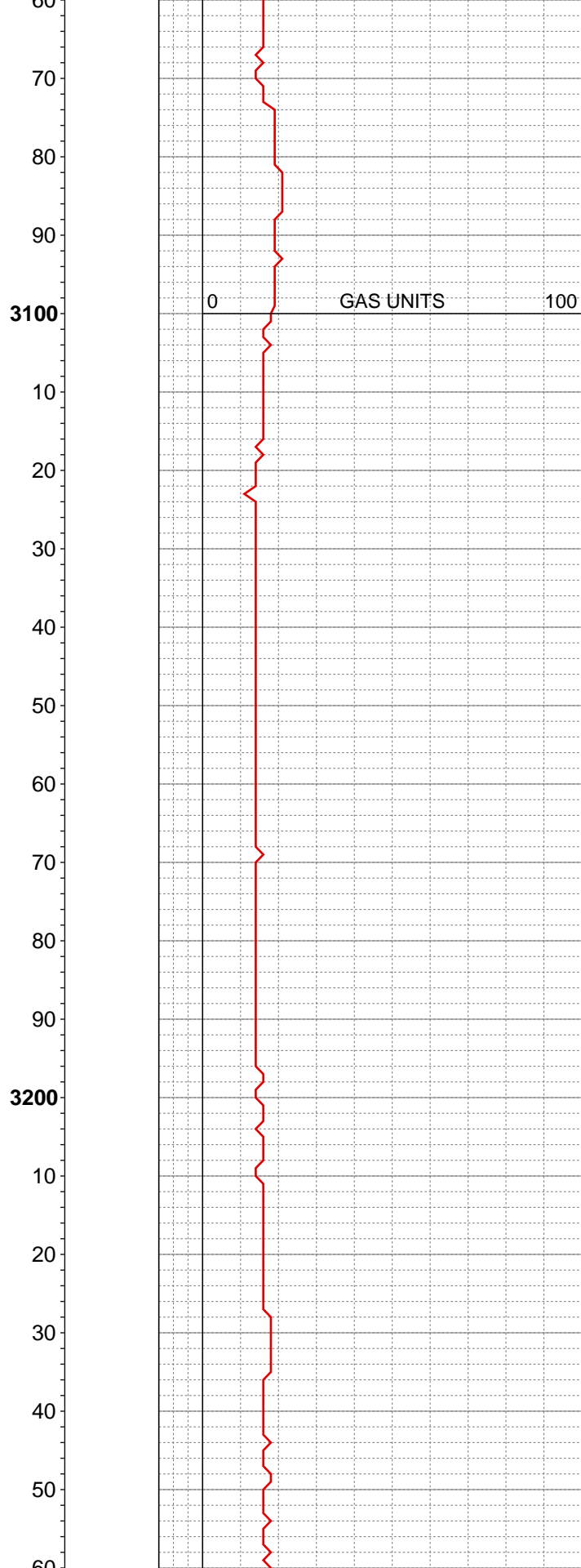
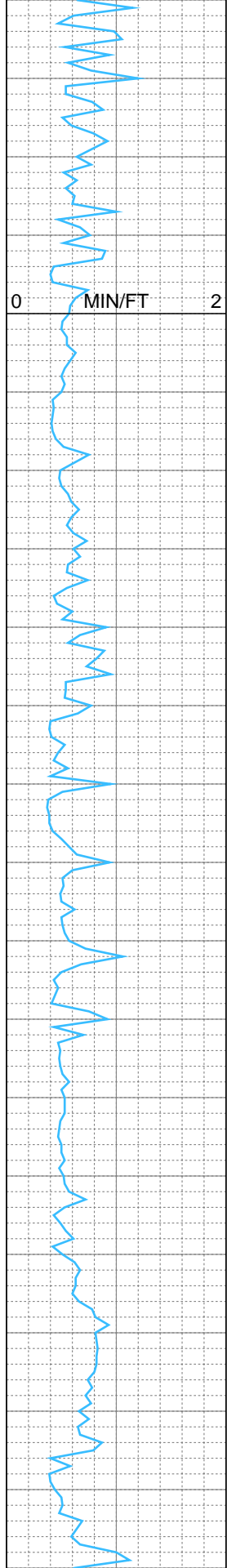
MUD WT. IN 9.2/OUT 9.2
VIS. IN 46/OUT 45

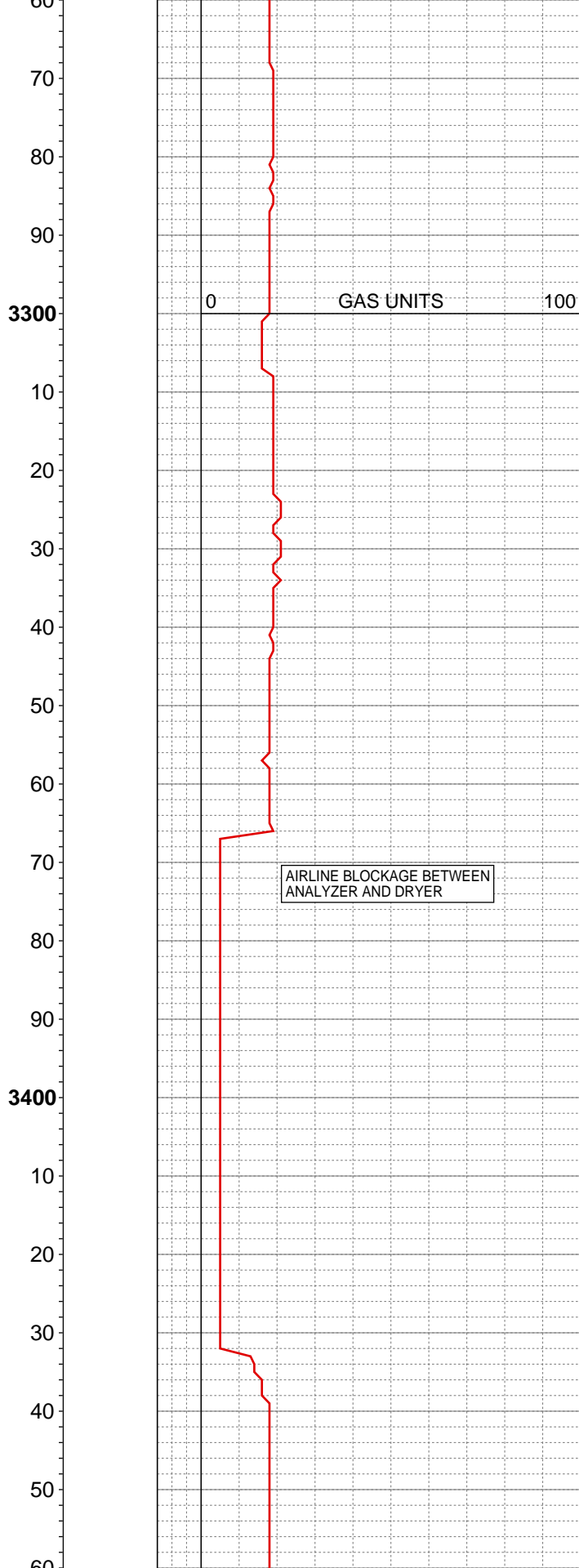
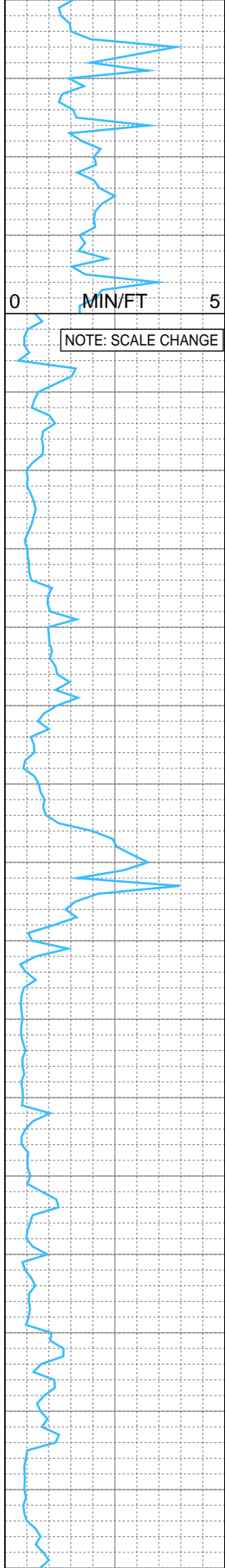
MUD WT. IN 9.2/OUT 9.2+
VIS. IN 48/OUT 47

MUD WT. IN 9.2/OUT 9.2
VIS. IN 46/OUT 45

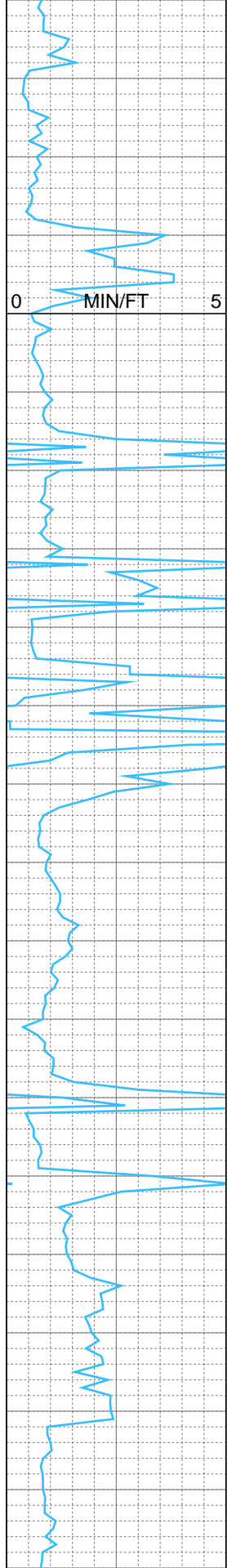


MUD WT. IN 9.2/OUT 9.3
VIS. IN 44/OUT 45



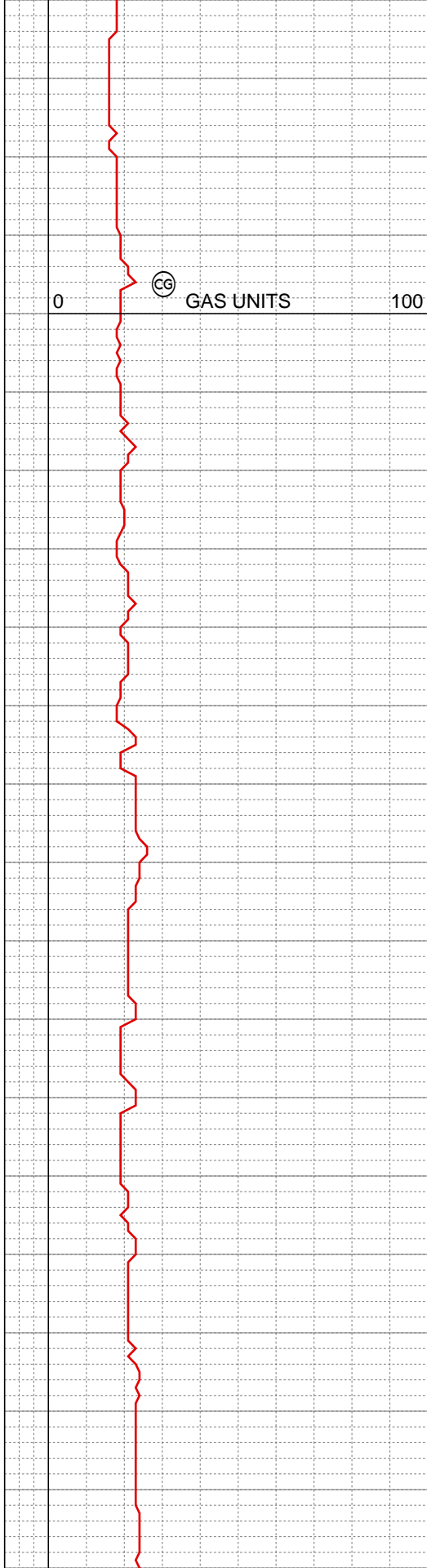


MUD WT. IN 9.4/OUT 9.5
VIS. IN 55/OUT 57



3500

3600

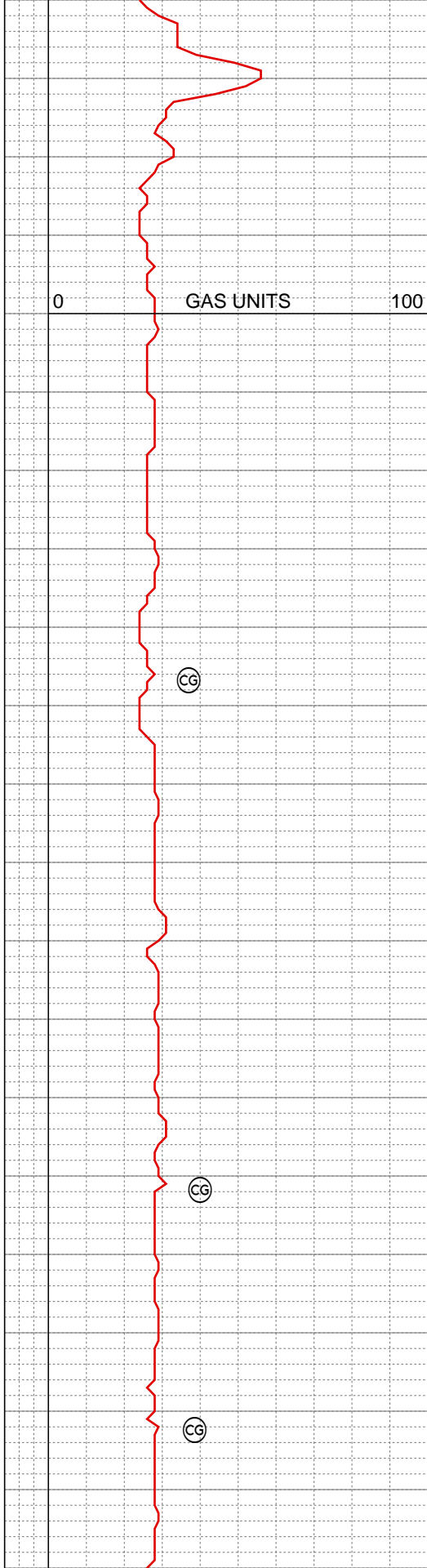
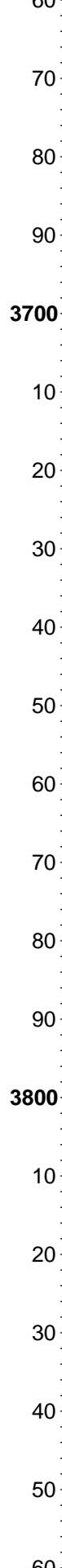
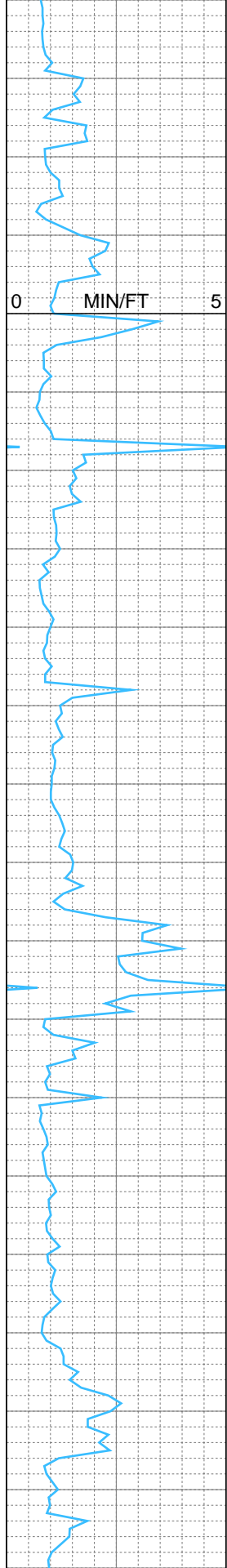


MUD WT. IN 9.4/OUT 9.4
VIS. IN 48/OUT 49

MUD WT. IN 9.1/OUT 9.2
VIS. IN 51/OUT 50

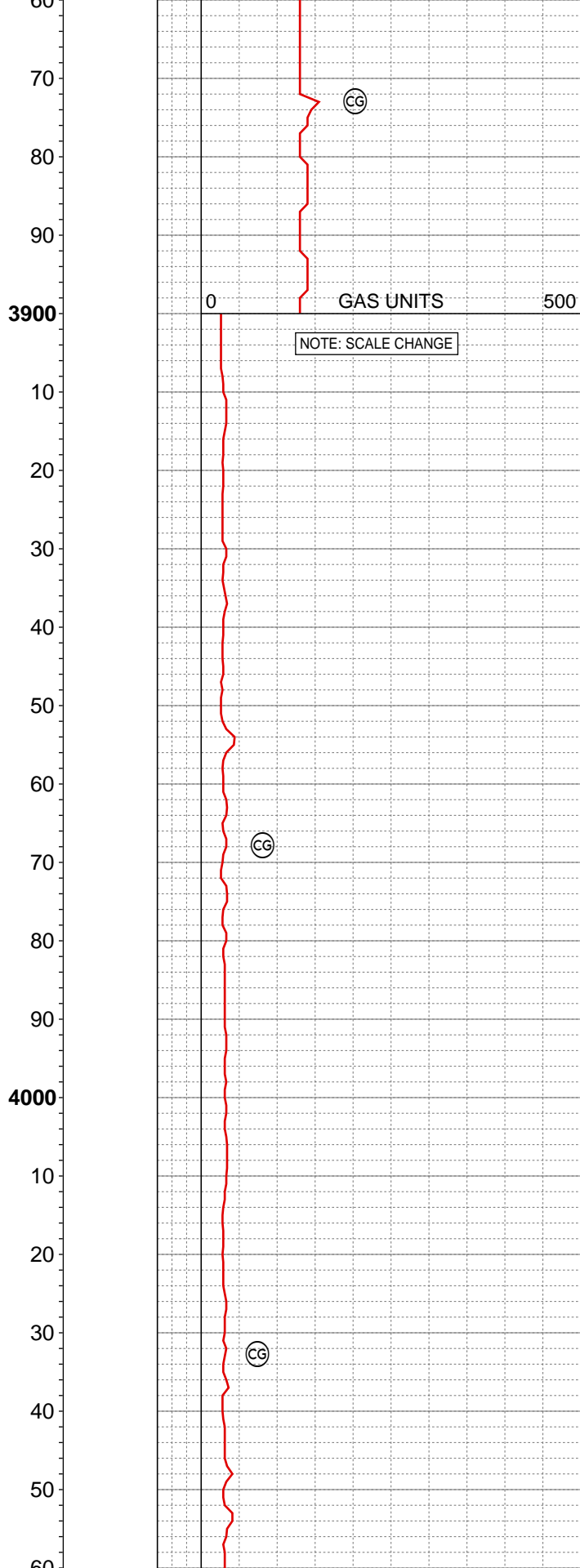
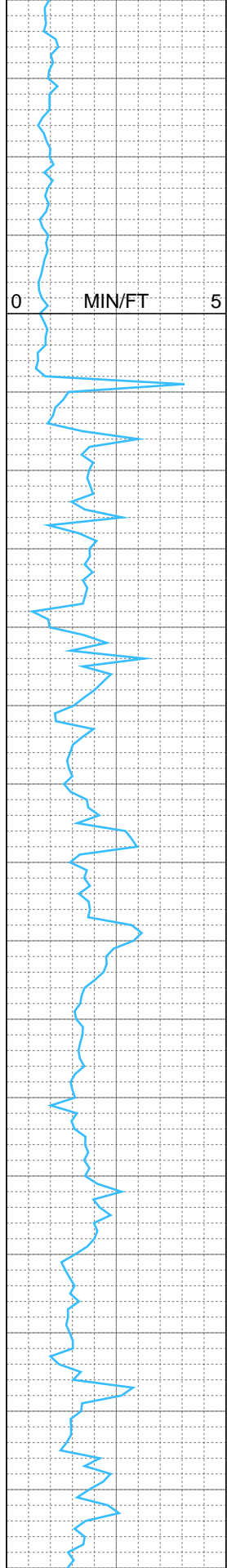
MUD WT. IN 9.0+/OUT 9.1
VIS. IN 47/OUT 46

MUD WT. IN 9.4+/OUT 9.5
VIS. IN 45/OUT 41



MUD WT. IN 9.3/OUT 9.3+
VIS. IN 48/OUT 46

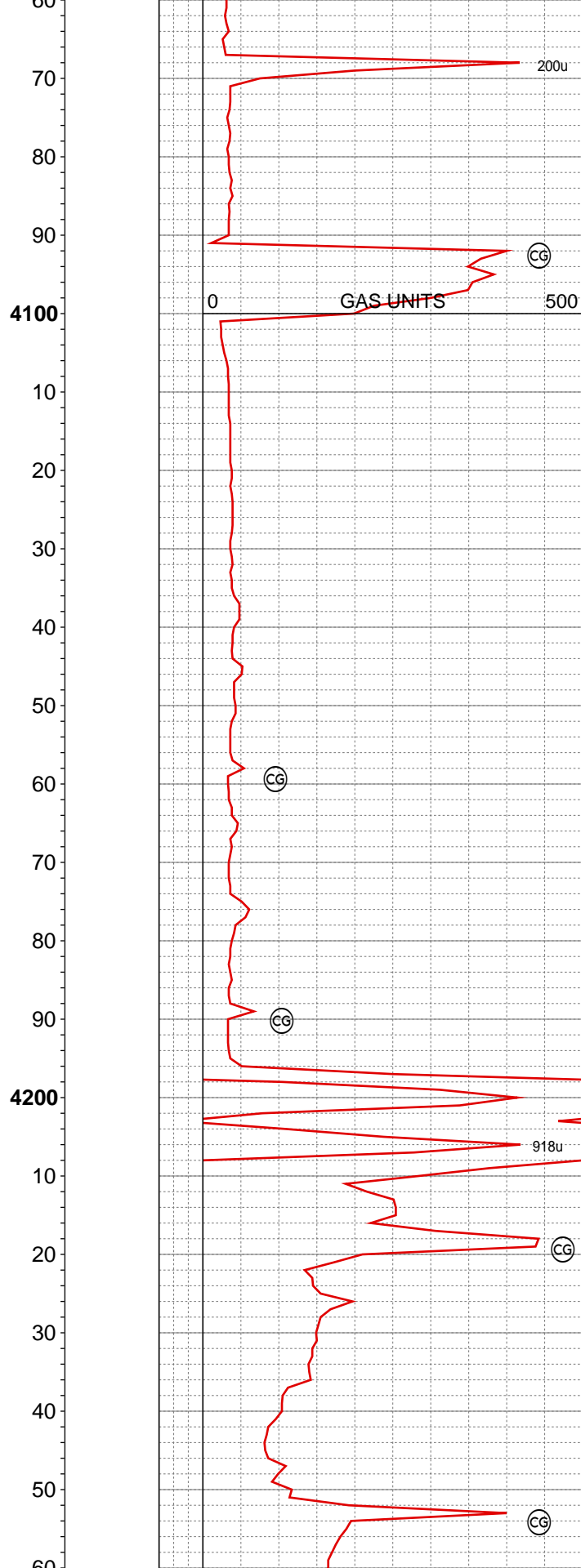
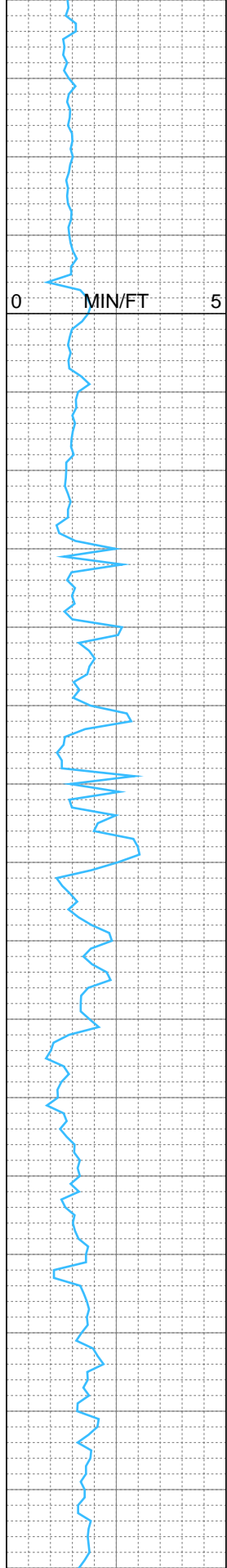
MUD WT. IN 9.4/OUT 9.4
VIS. IN 45/OUT 46



MUD WT. IN 9.3+/OUT 9.4
VIS. IN 53/OUT 51

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

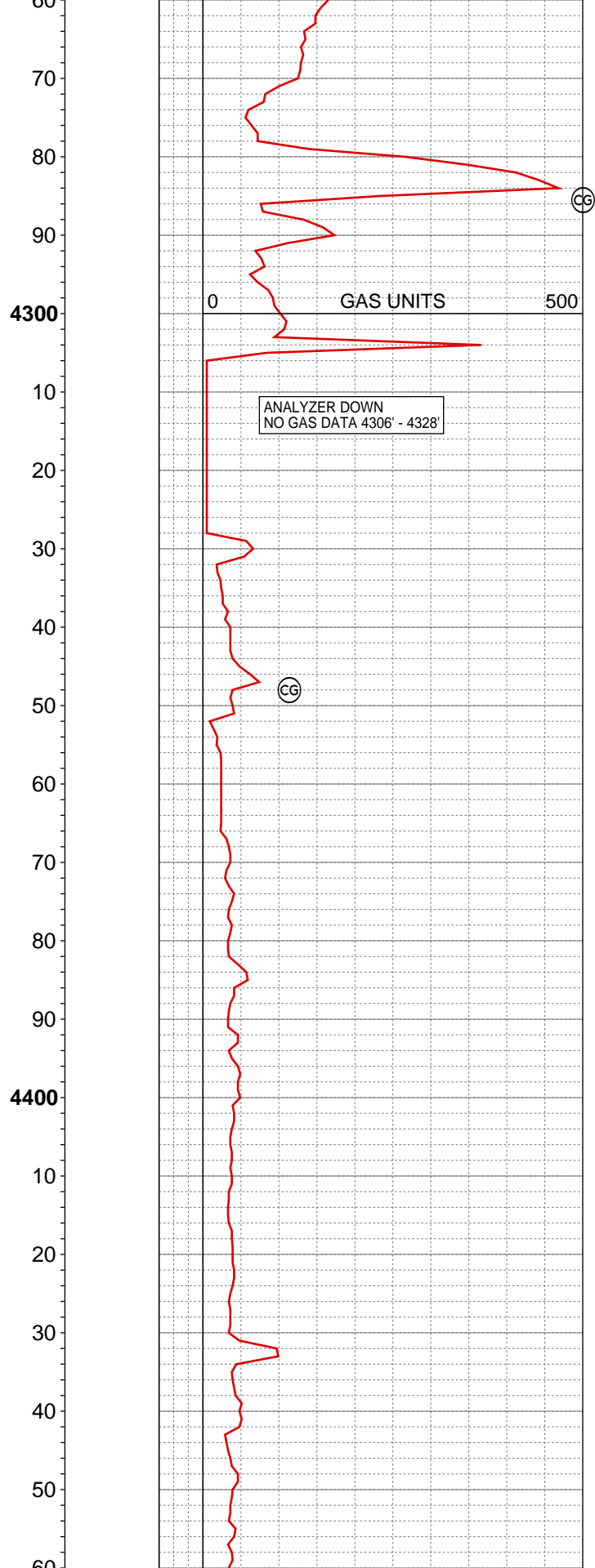
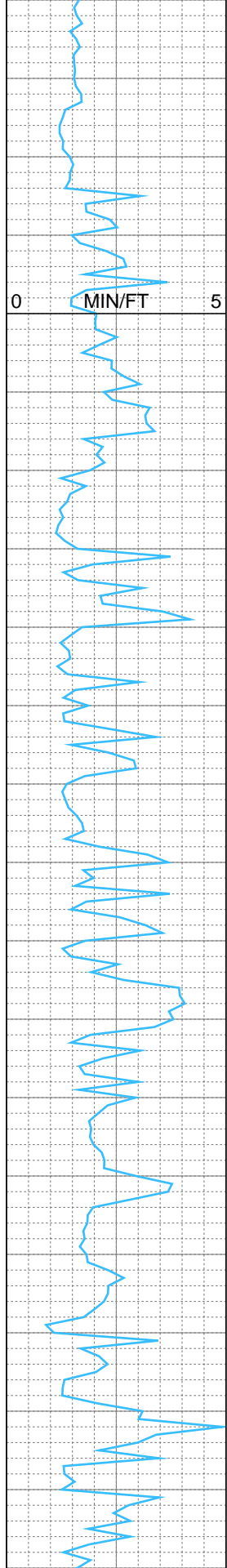
MUD WT. IN 9.4/OUT 9.4
VIS. IN 50/OUT 50



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

MUD WT. IN 9.5/OUT 9.5
VIS. IN 55/OUT 55

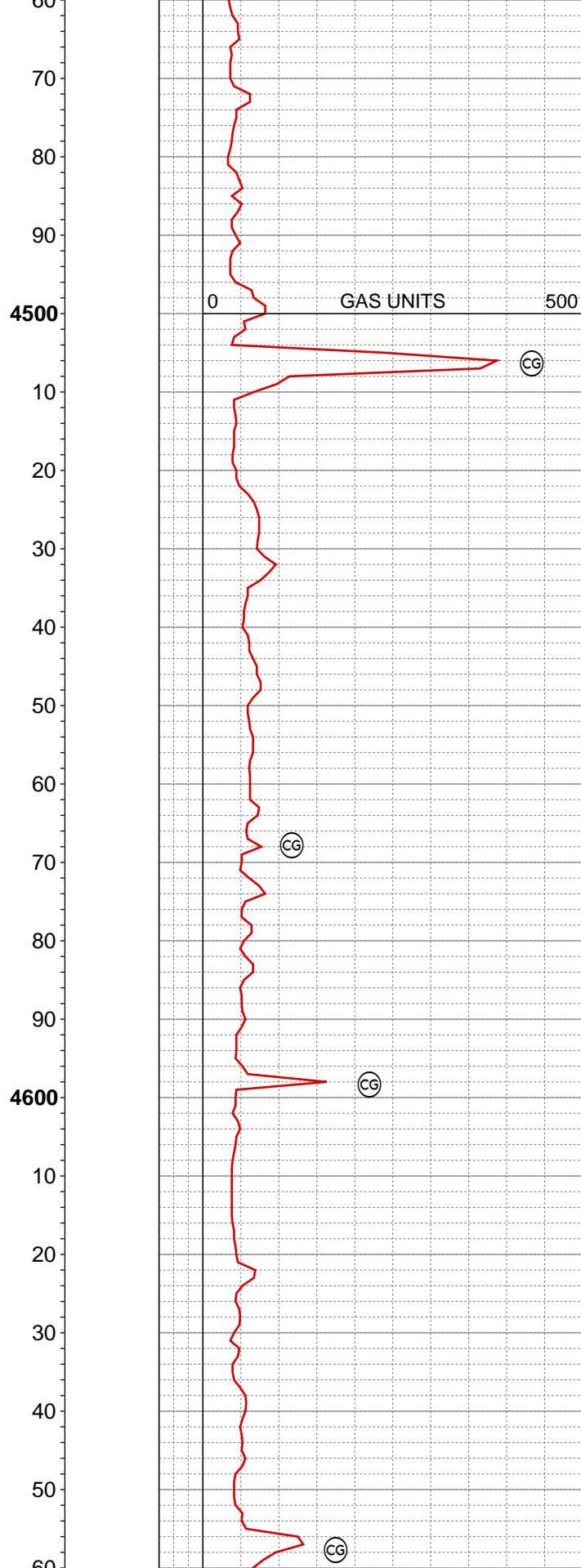
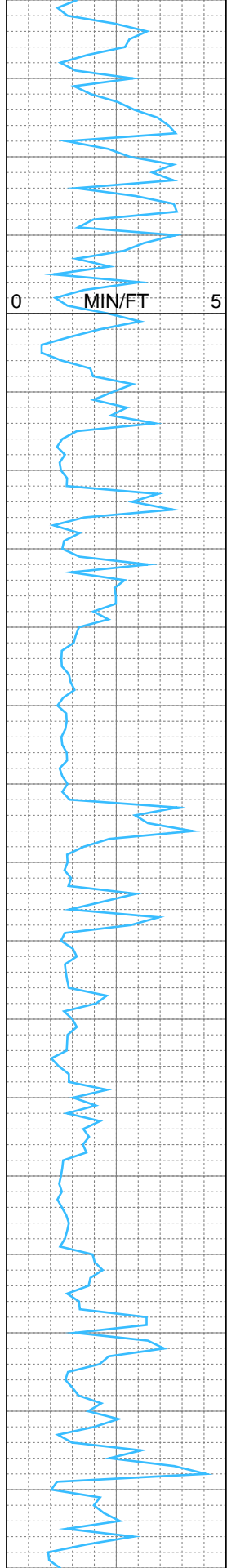
MUD WT. IN 9.2/OUT 9.2
VIS. IN 47/OUT 47



MUD WT. IN 9.2+/OUT 9.3
VIS. IN 48/OUT 45

MUD WT. IN 9.3+/OUT 9.4
VIS. IN 45/OUT 46

MUD WT. IN 9.3/OUT 9.3+
VIS. IN 50/OUT 49

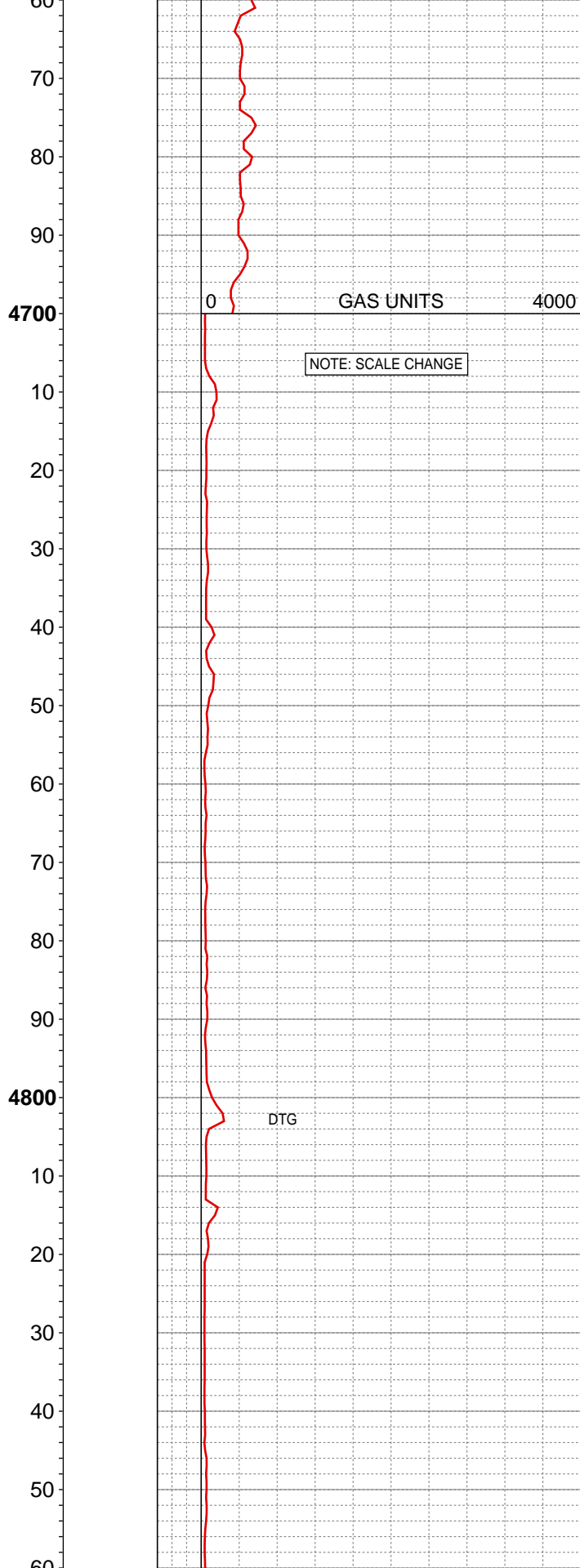
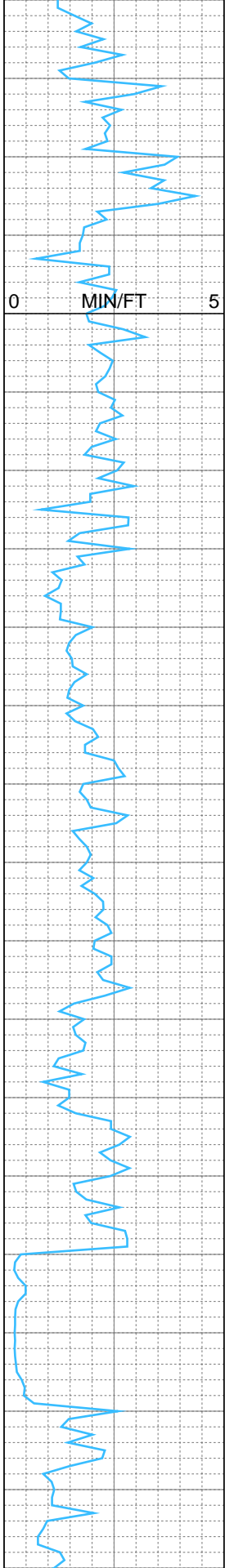


MUD WT. IN 9.2+/OUT 9.3
VIS. IN 45/OUT 48

MUD WT. IN 9.4/OUT 9.4
VIS. IN 55/OUT 53

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

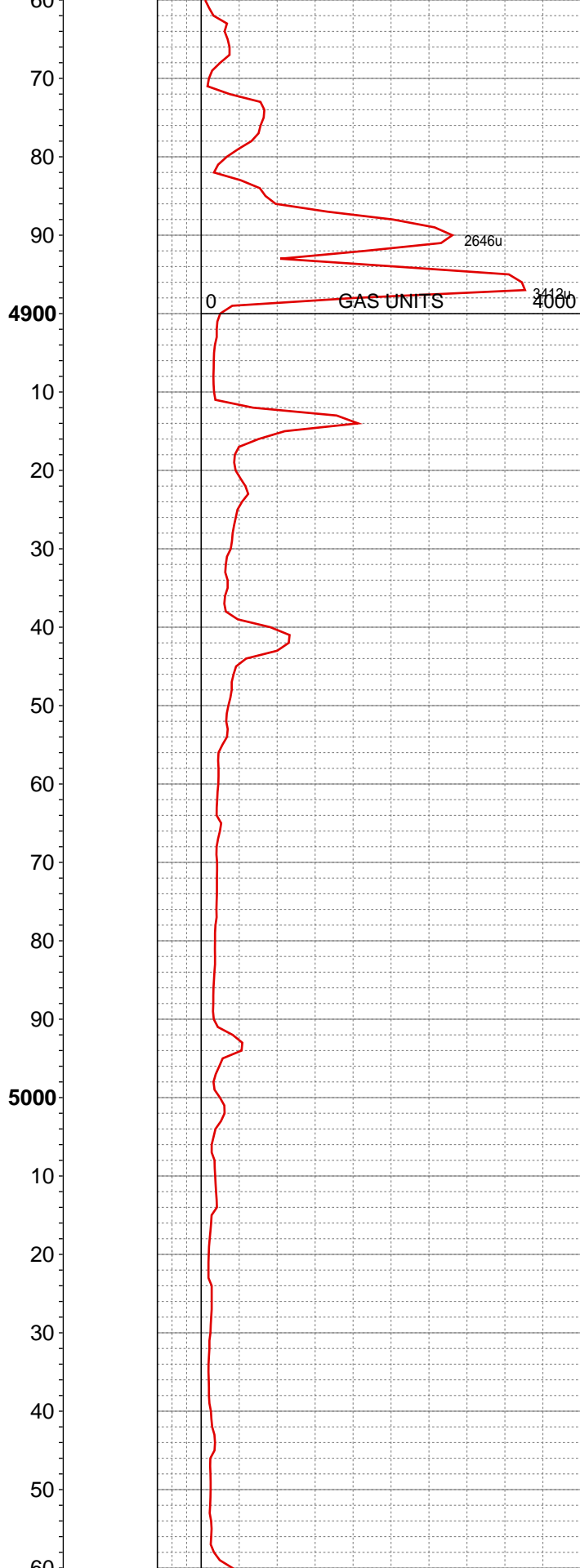
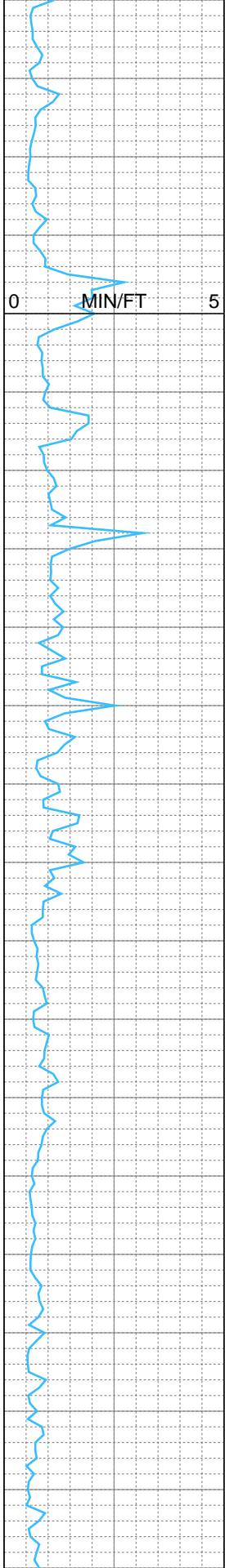
MUD WT. IN 9.4/OUT 9.4
VIS. IN 53/OUT 52



MUD WT. IN 9.5/OUT 9.5
VIS. IN 50/OUT 48

MUD WT. IN 9.4/OUT 9.4
VIS. IN 50/OUT 48

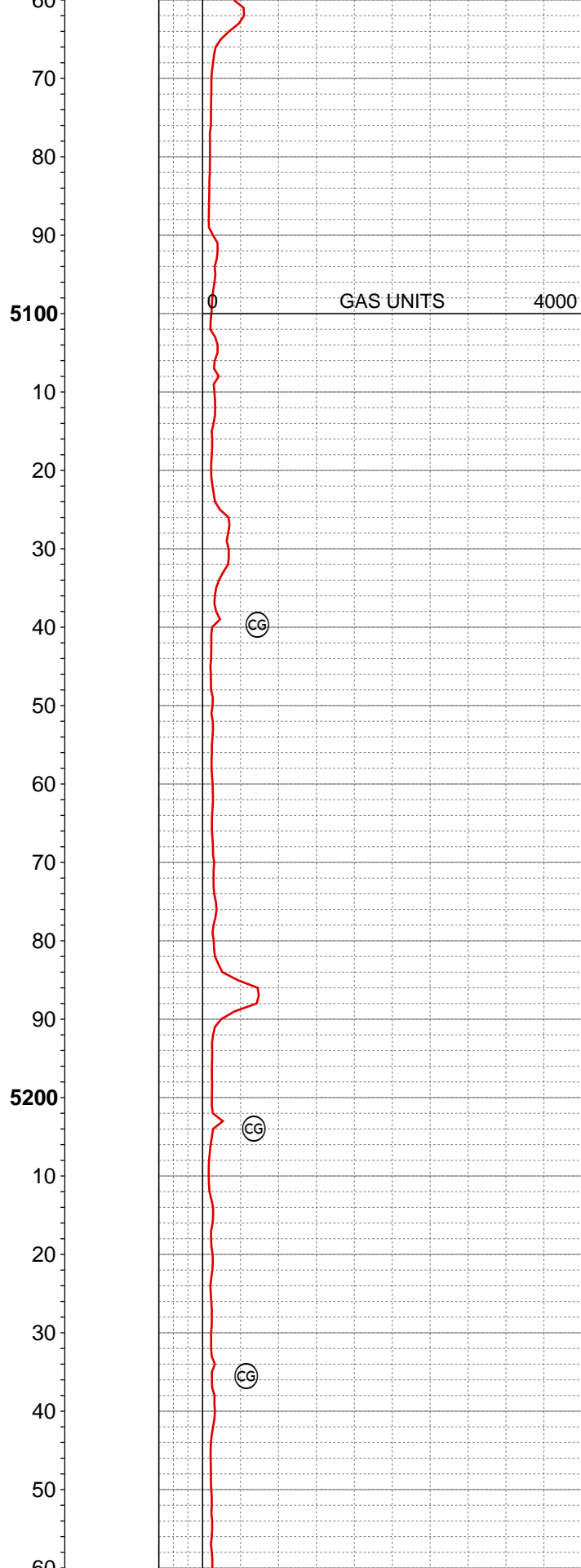
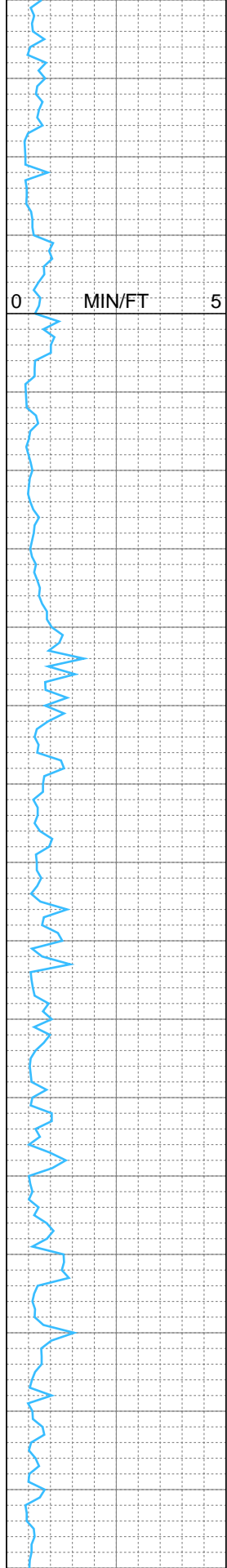
MUD WT. IN 9.5/OUT 9.5+
VIS. IN 48/OUT 46



MUD WT. IN 9.4/OUT 9.5
VIS. IN 37/OUT 38

MUD WT. IN 9.4/OUT 9.4
VIS. IN 53/OUT 52

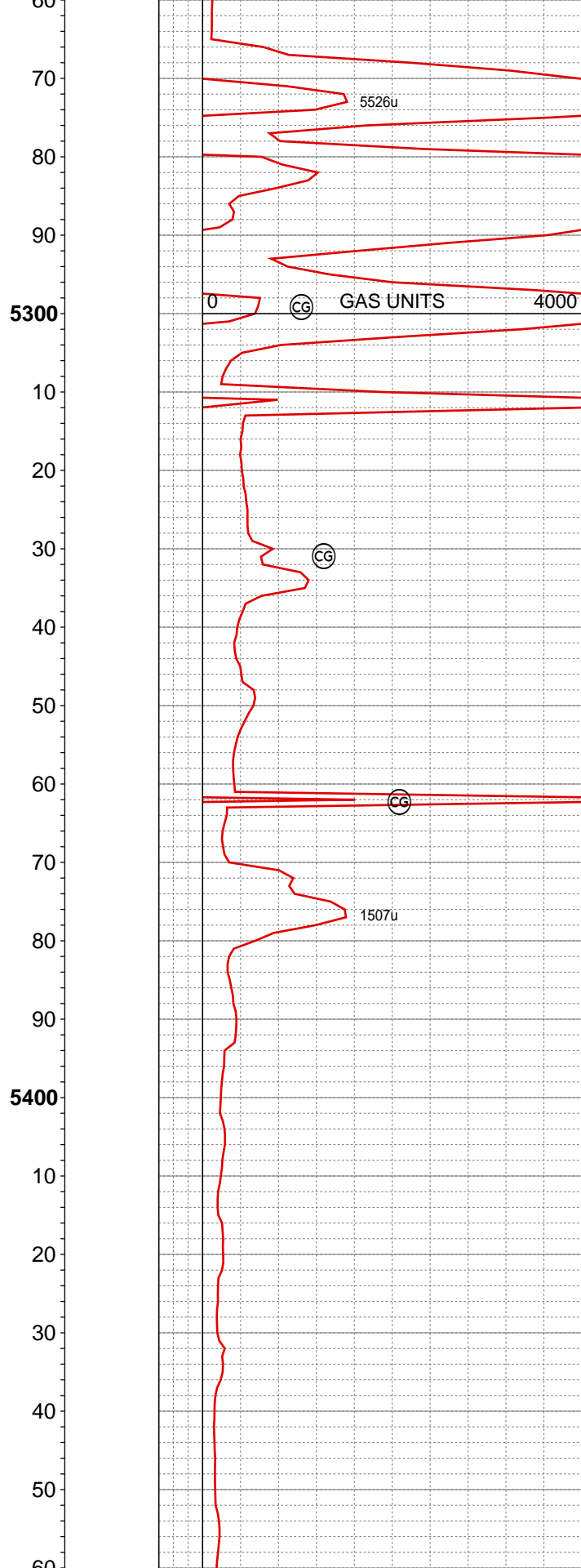
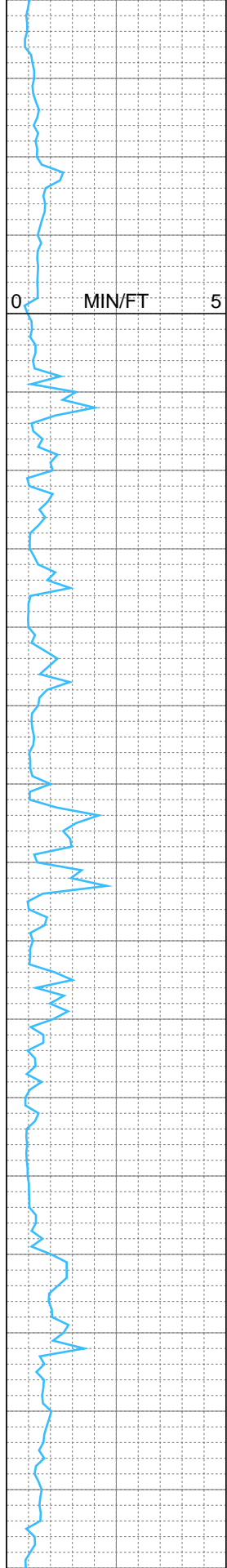
MUD WT. IN 9.5/OUT 9.5+
VIS. IN 47/OUT 47



MUD WT. IN 9.5/OUT 9.5+
VIS. IN 48/OUT 47

MUD WT. IN 9.7/OUT 9.7
VIS. IN 58/OUT 52

MUD WT. IN 9.6/OUT 9.7
VIS. IN 55/OUT 48

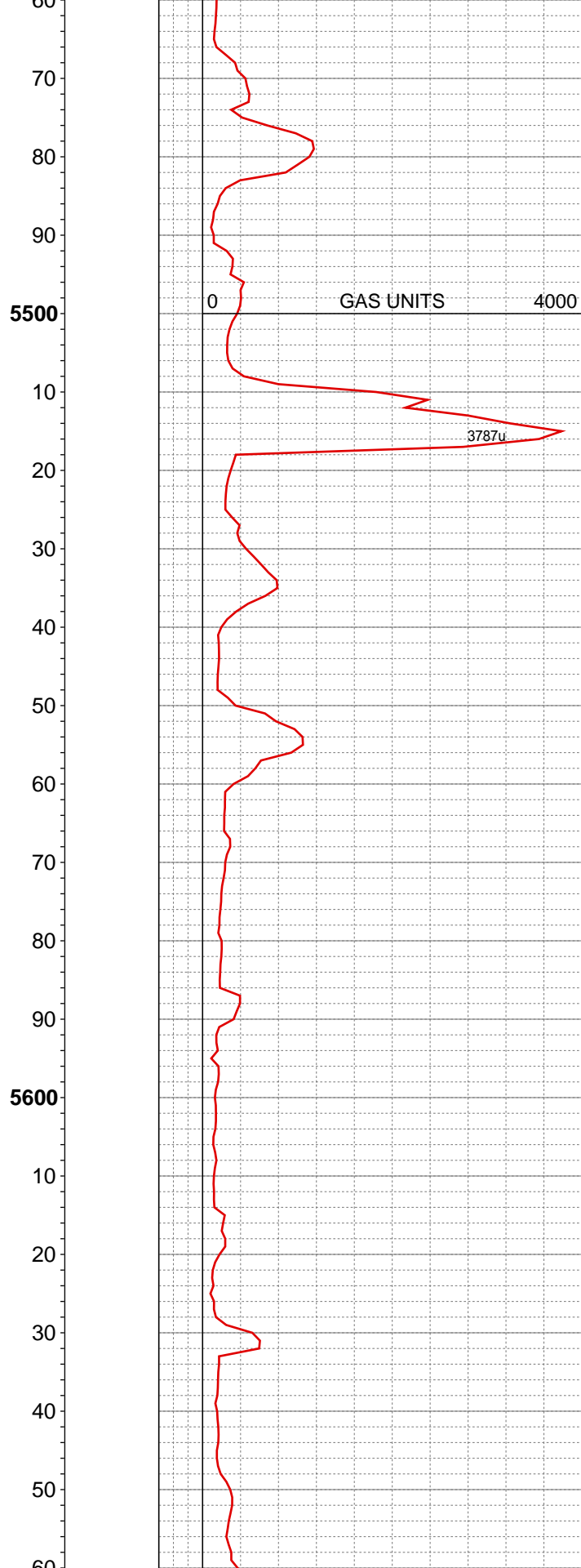
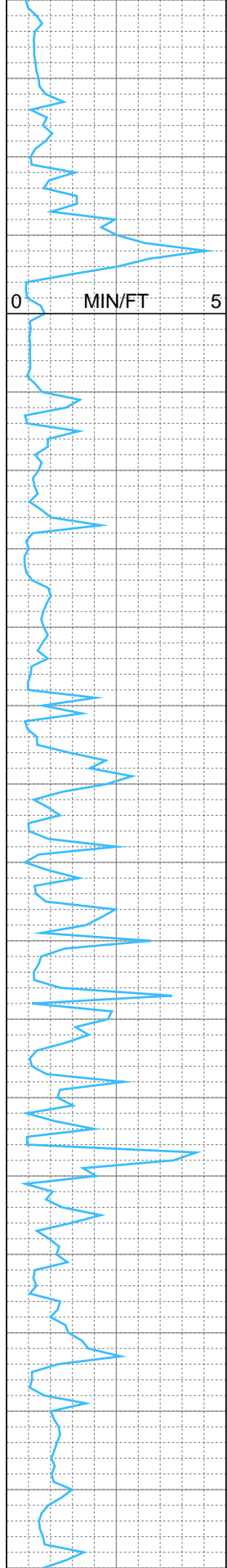


MUD WT. IN 9.6/OUT 9.7
VIS. IN 54/OUT 52

MUD WT. IN 9.6/OUT 9.6
VIS. IN 45/OUT 42

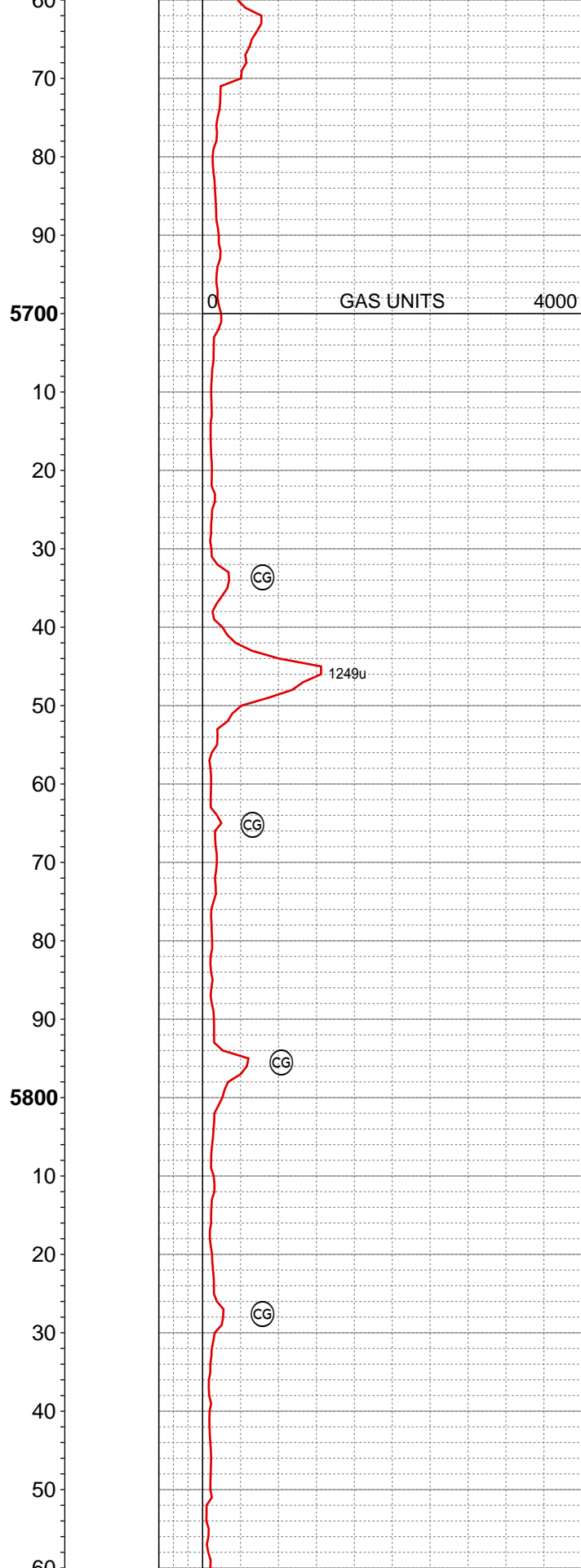
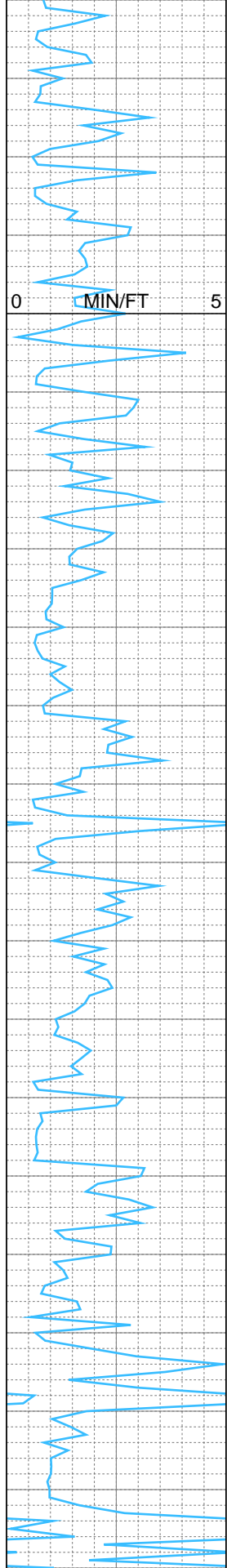
MUD WT. IN 9.6/OUT 9.6
VIS. IN 43/OUT 41

MUD WT. IN 9.6/OUT 9.6+
VIS. IN 55/OUT 54

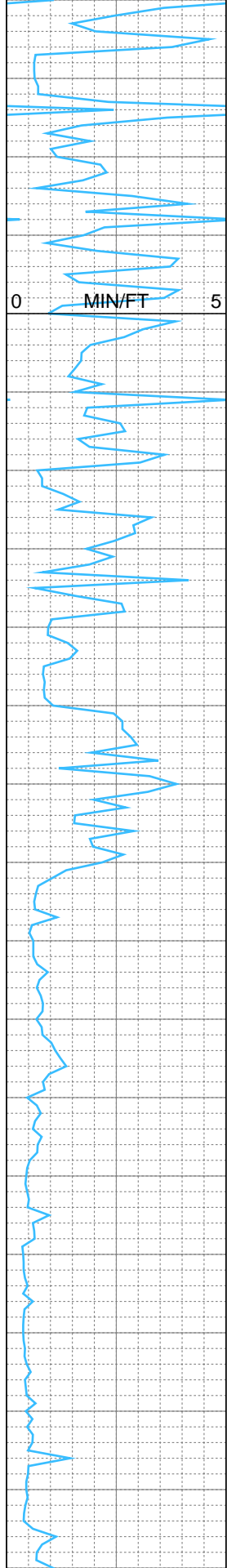


MUD WT. IN 9.7/OUT 9.7
VIS. IN 60/OUT 55

MUD WT. IN 9.5/OUT 9.5
VIS. IN 45/OUT 43



MUD WT. IN 9.5/OUT 9.5+
VIS. IN 48/OUT 45



5900

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6000

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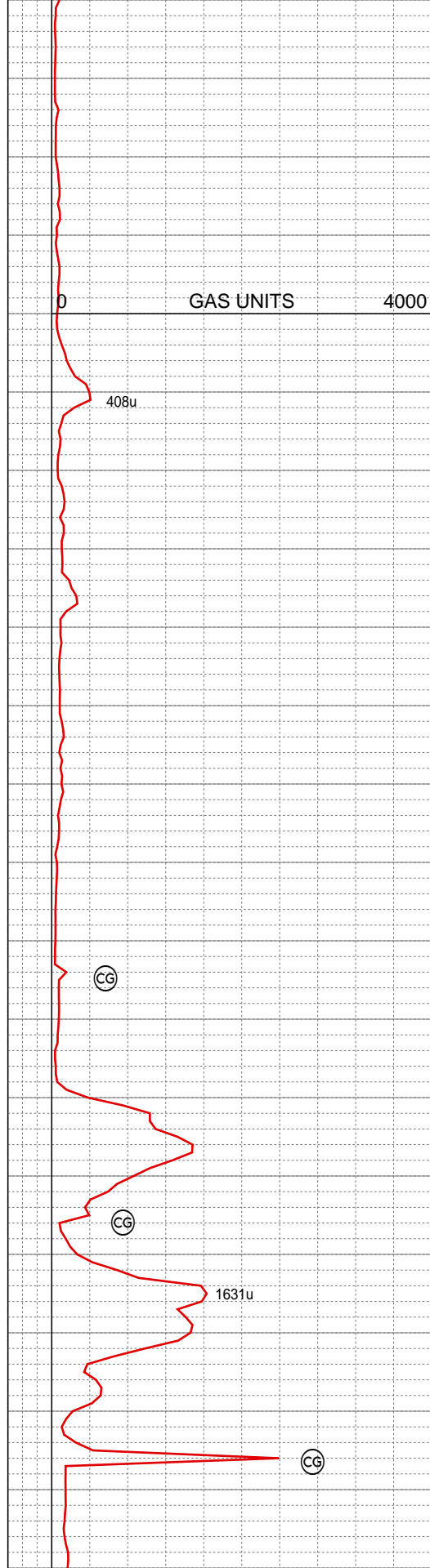
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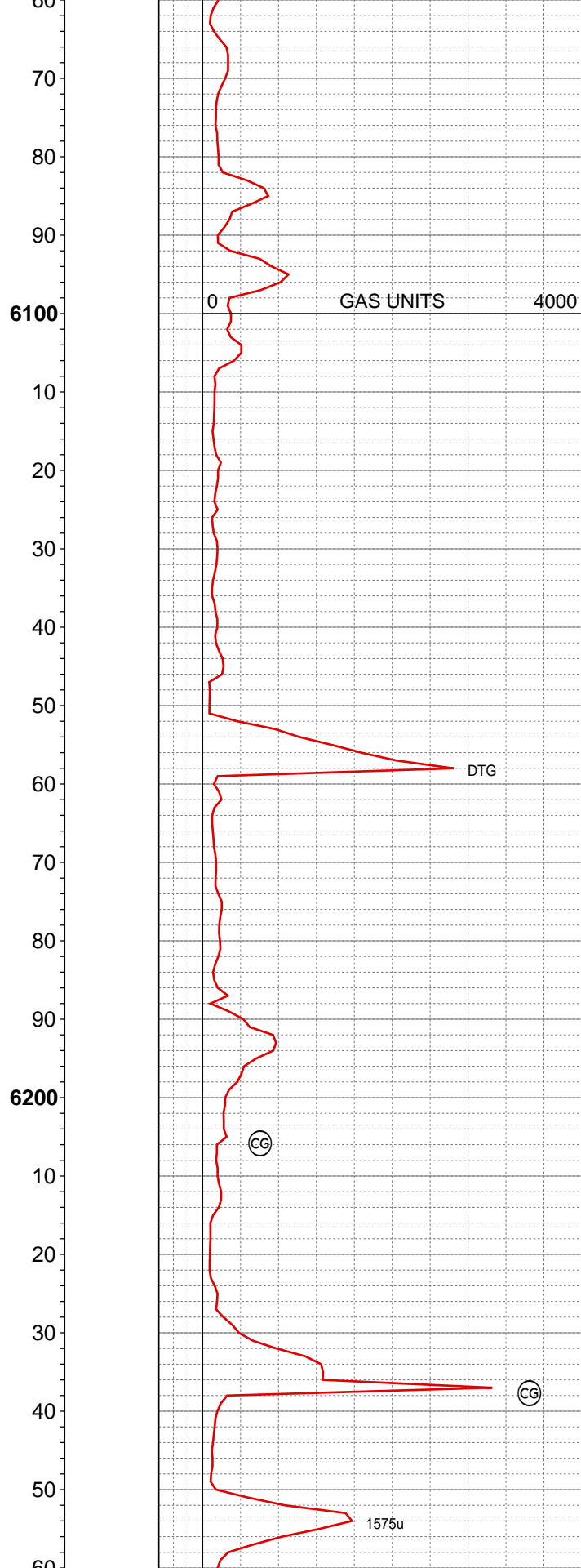
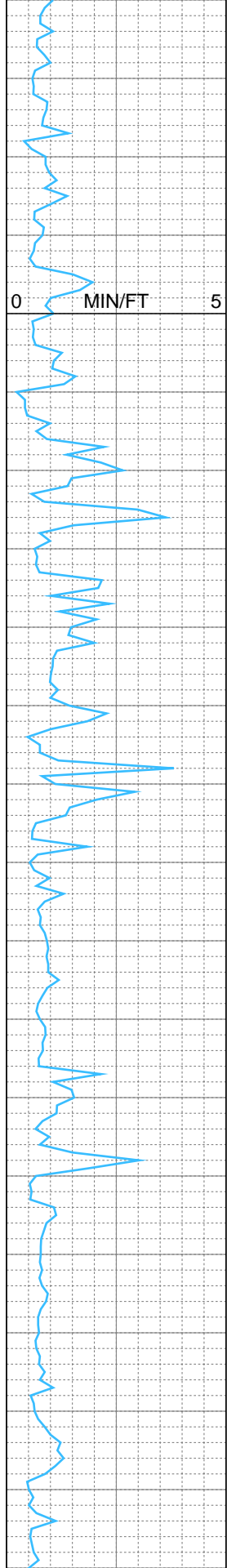
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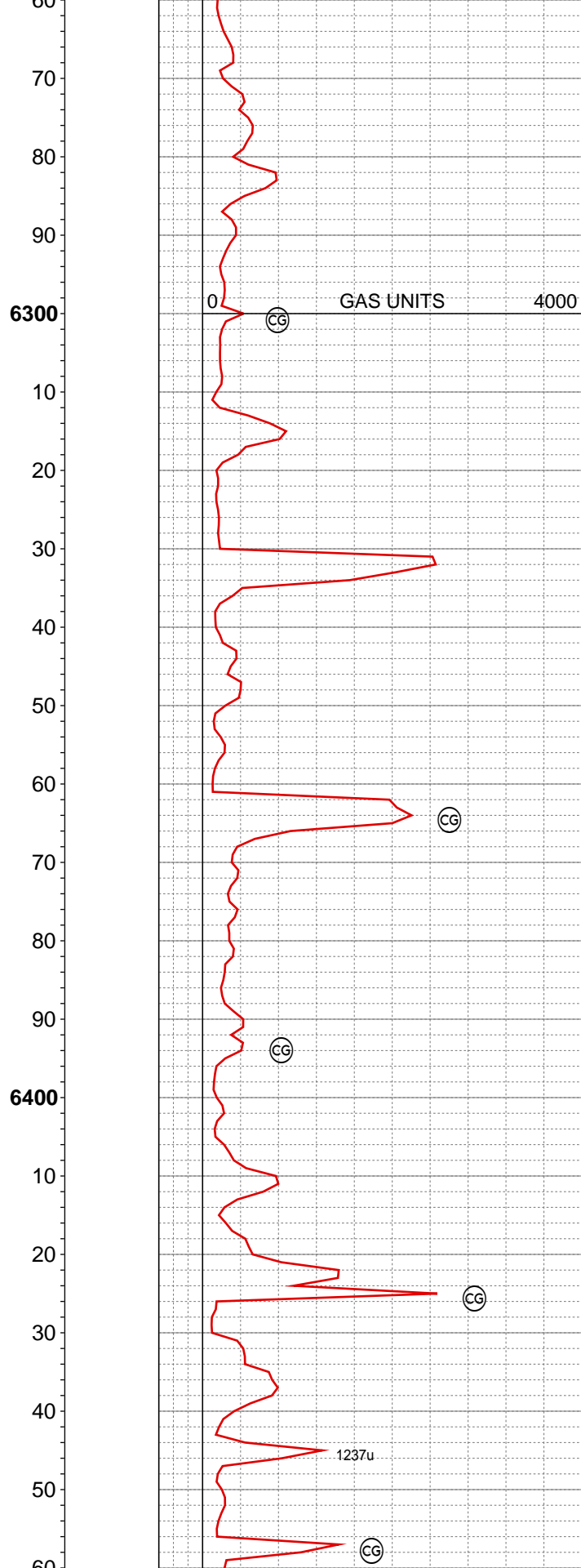
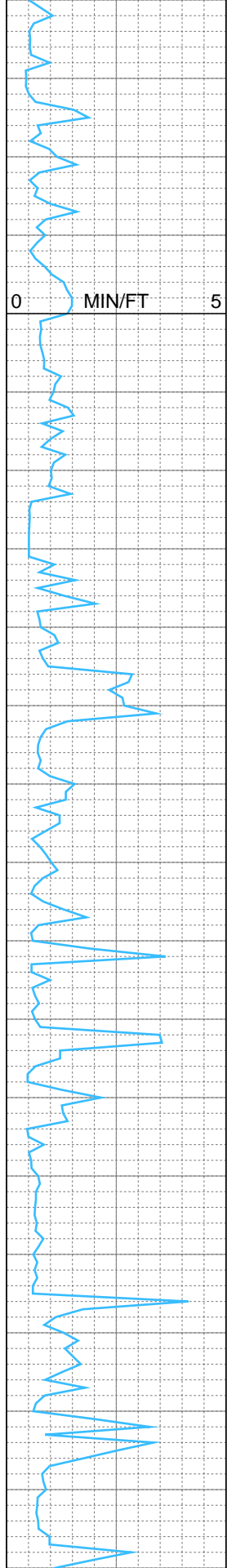
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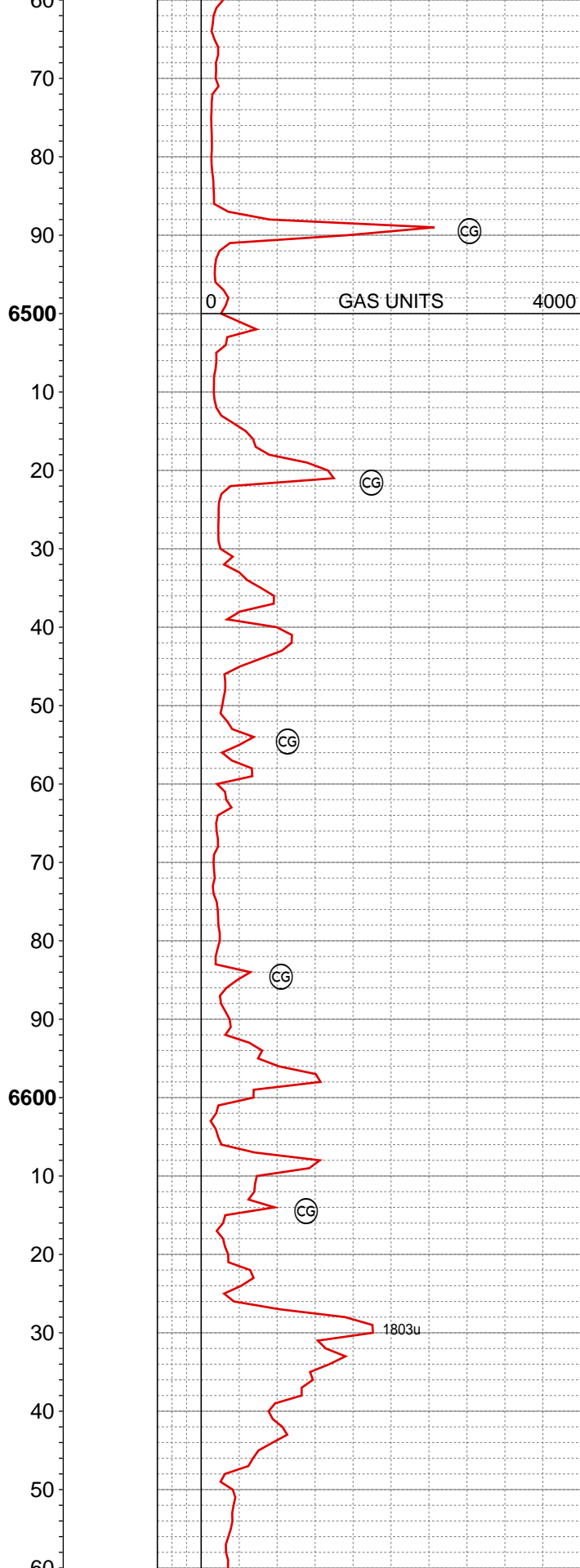
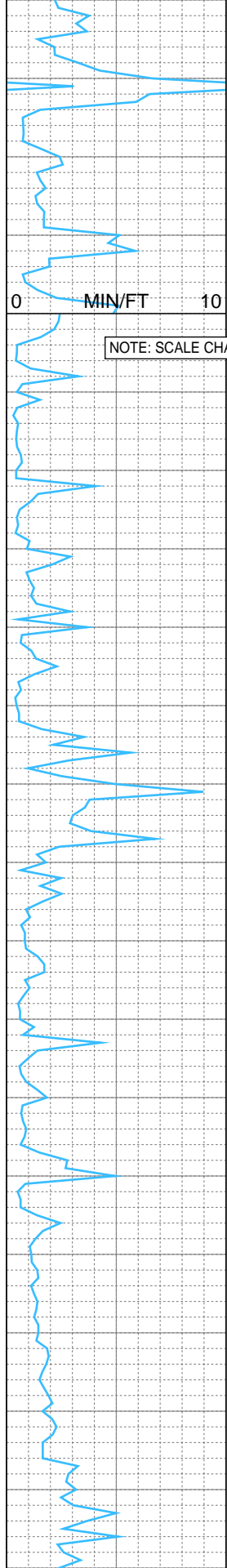
MUD WT. IN 9.4/OUT 9.4+
VIS. IN 52/OUT 53

MUD WT. IN 9.5+/OUT 9.5+
VIS. IN 55/OUT 43





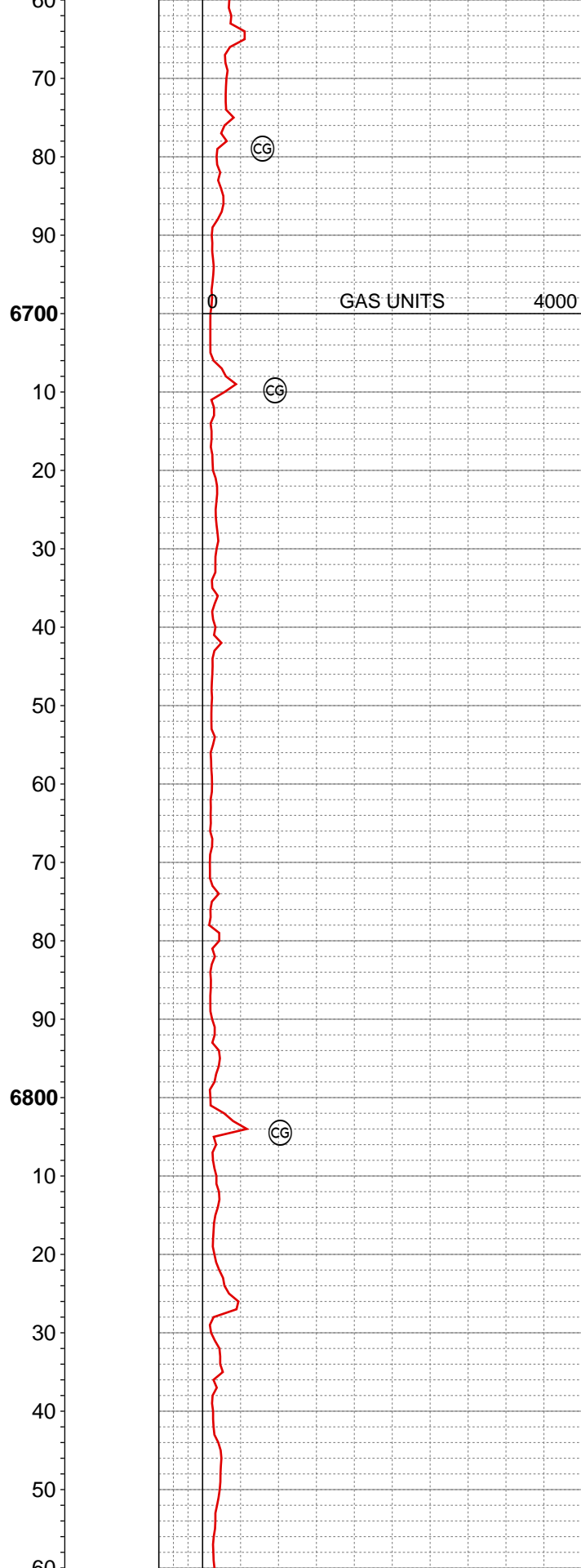
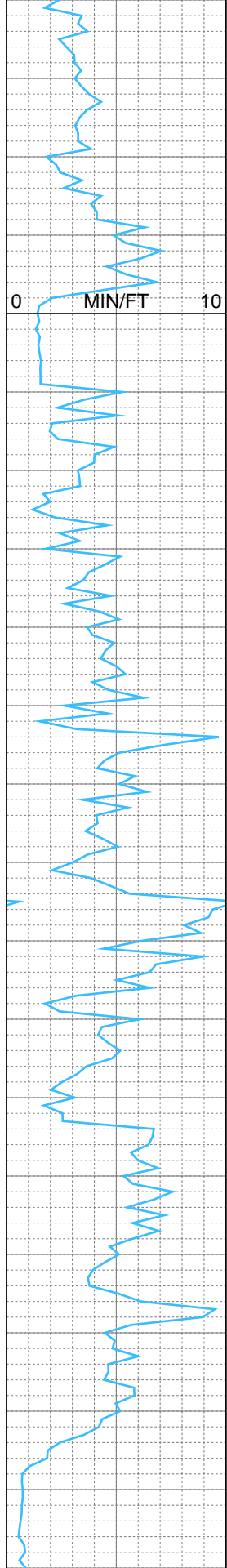
MUD WT. 9.6
VIS. 46



MUD WT. IN 9.4/OUT 9.5
VIS. IN 45/OUT 44

MUD WT. IN 9.4/OUT 9.4+
VIS. IN 50/OUT 51

MUD WT. IN 9.3+/OUT 9.3+
VIS. IN 43/OUT 40

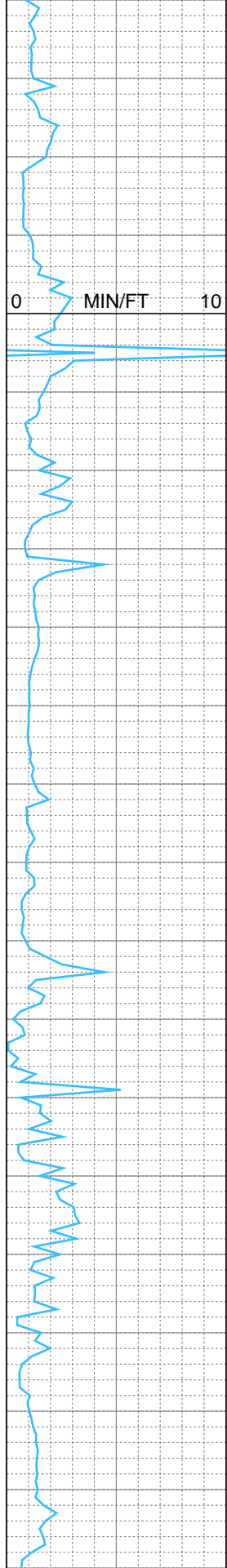


MUD WT. IN 9.4/OUT 9.4
VIS. IN 46/OUT 45

MUD WT. IN 9.3+/OUT 9.3+
VIS. IN 60/OUT 58

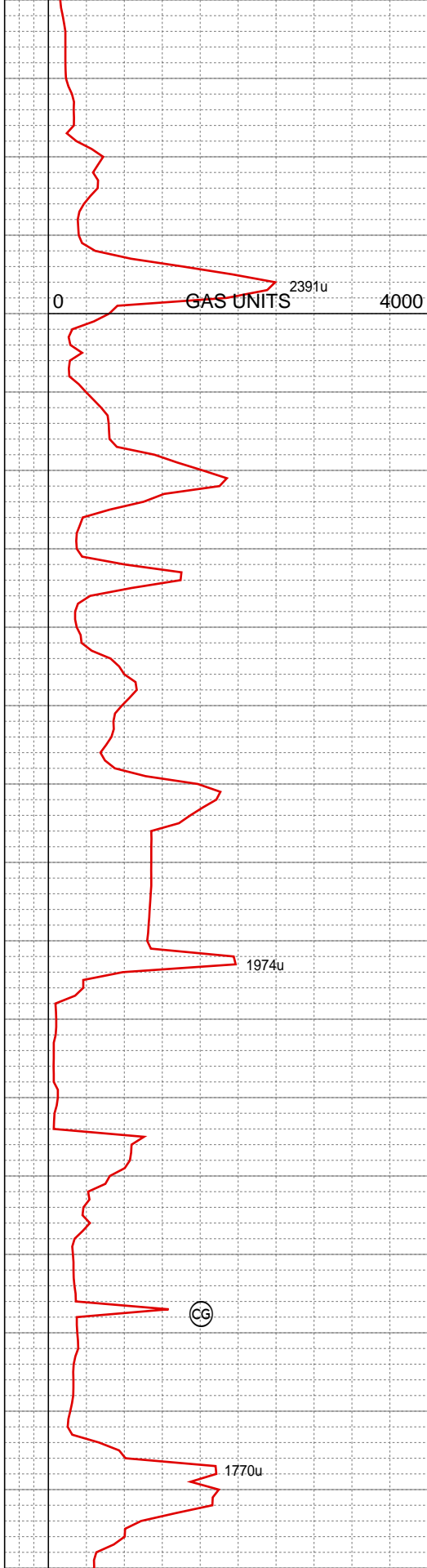
MUD WT. IN 9.5/OUT 9.5
VIS. IN 58/OUT 59

MUD WT. IN 9.3/OUT 9.3
VIS. IN 45/OUT 46



6900

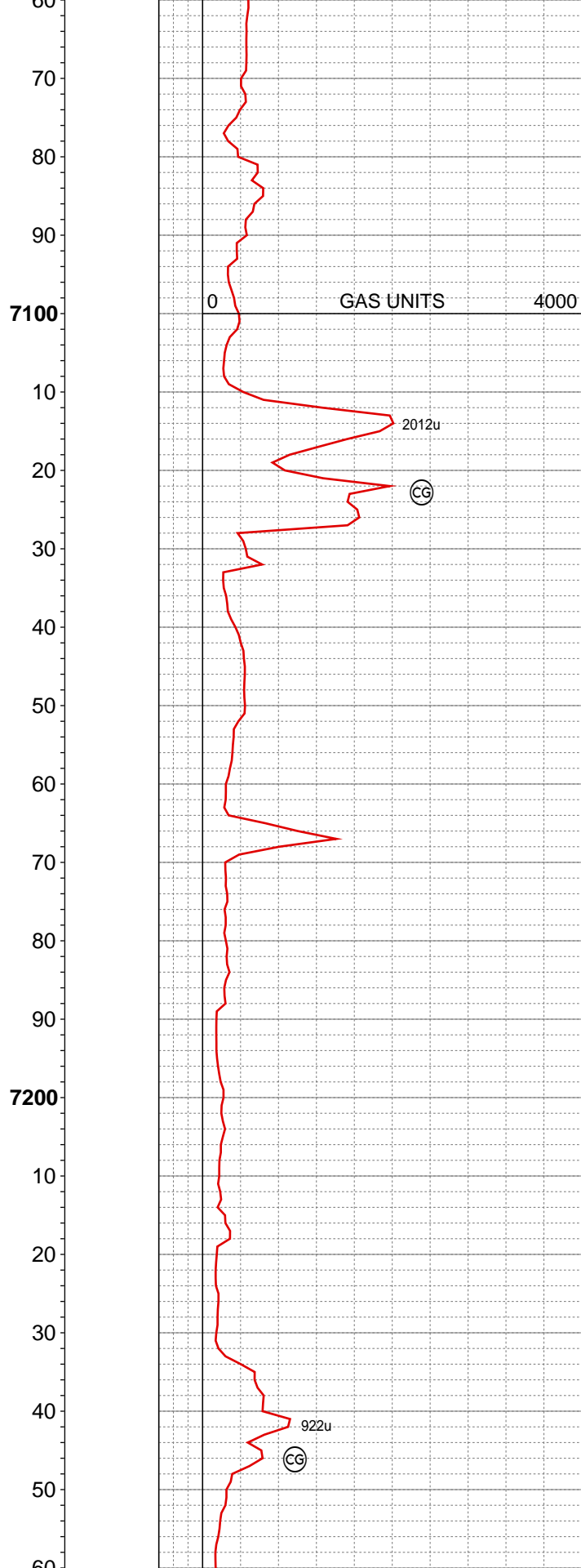
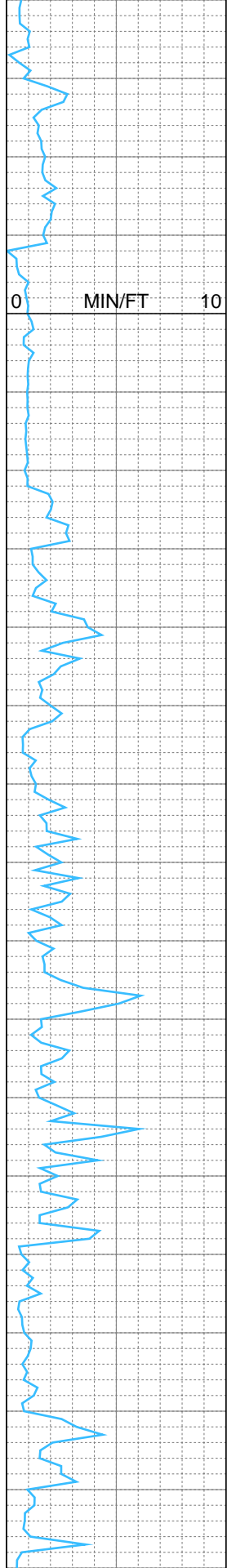
7000



MUD WT. 9.6
VIS. 108

MUD WT. IN 9.5/OUT 9.3
VIS. IN 47/OUT 50

MUD WT. IN 9.4+/OUT 9.3
VIS. IN 55/OUT 44



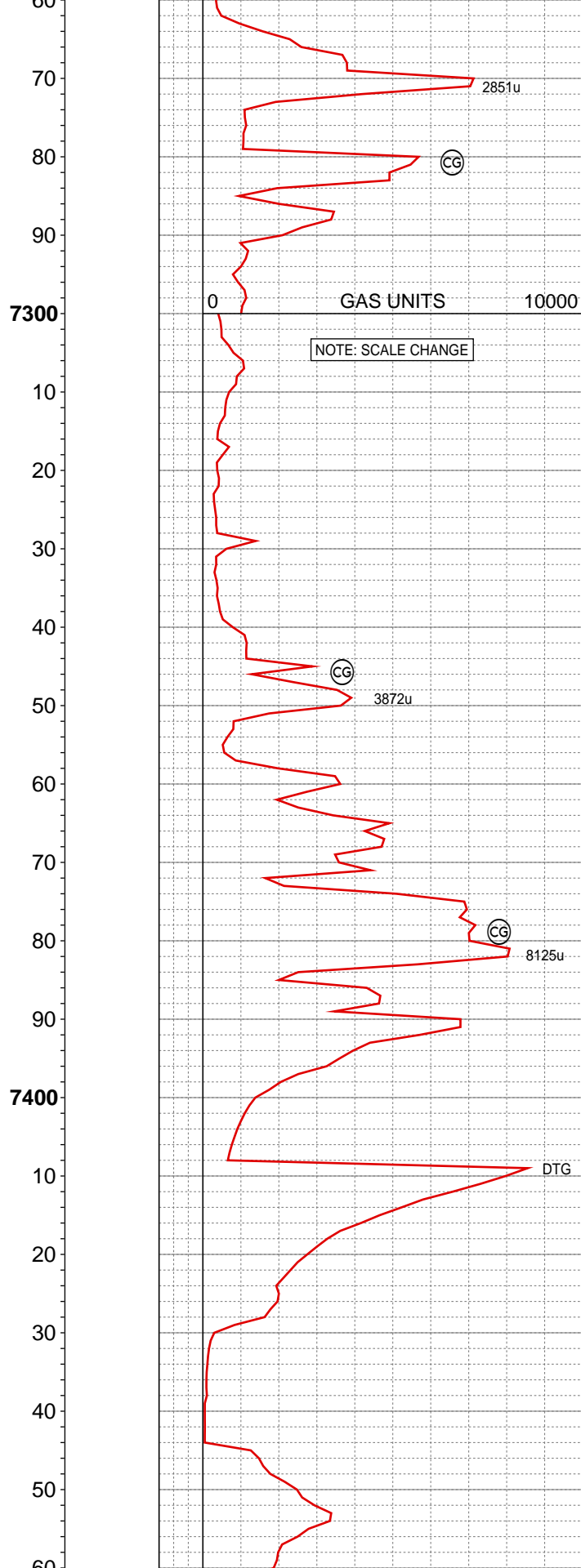
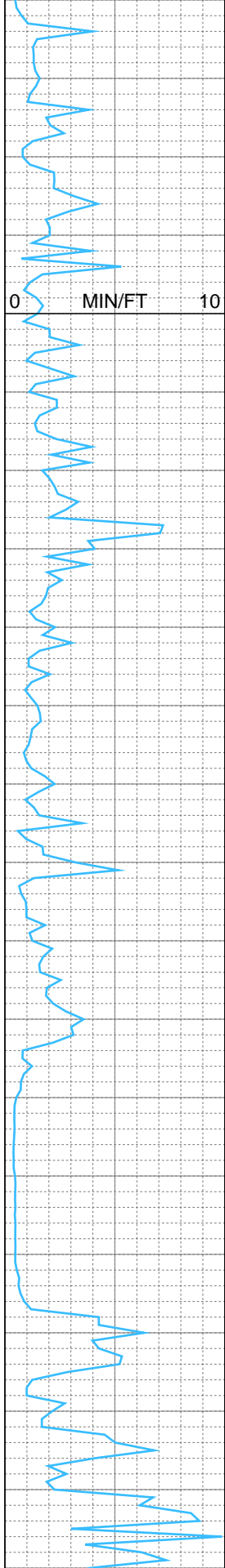
MUD WT. IN 9.4/OUT 9.5
VIS. IN 54/OUT 46

MUD WT. IN 9.5/OUT 9.5
VIS. IN 59/OUT 45

MUD WT. IN 9.5/OUT 9.4+
VIS. IN 55/OUT 48

MUD WT. IN 9.5/OUT 9.5+
VIS. IN 58/OUT 47

MUD WT. IN 9.5/OUT 9.6
VIS. IN 67/OUT 54

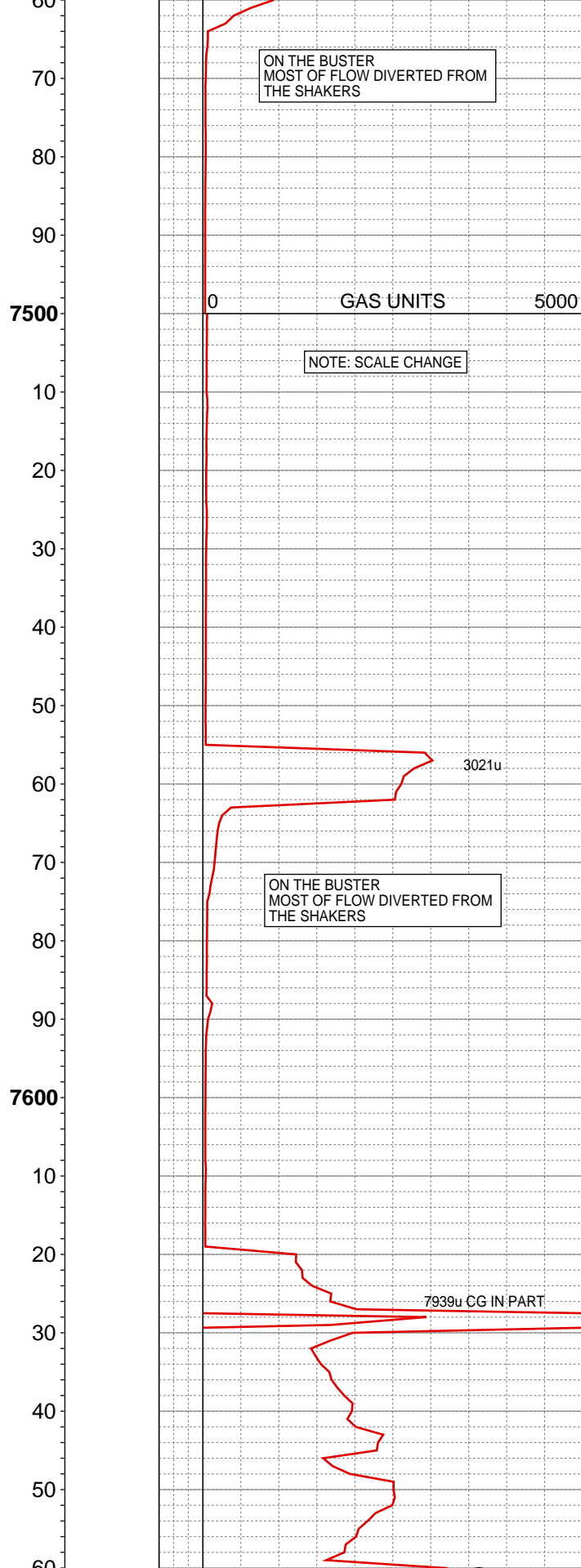
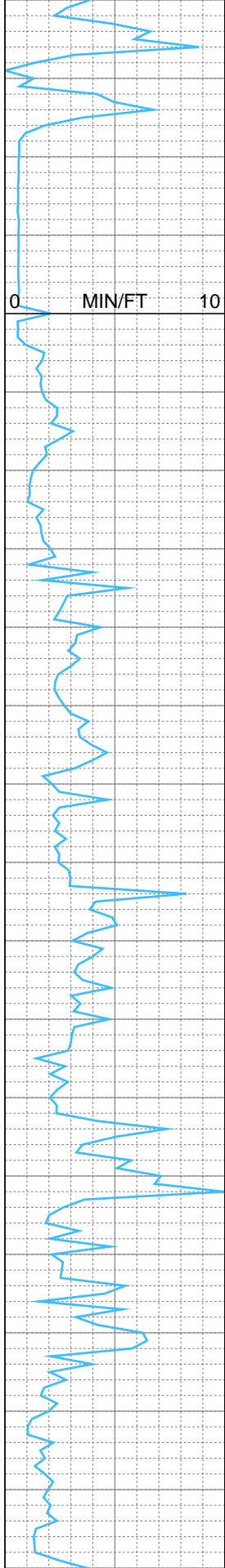


MUD WT. IN 9.5/OUT 9.6
VIS. IN 65/OUT 54

MUD GOING THOUGH BUSTER

MUD WT. IN 9.5/OUT 9.2
VIS. IN 48/OUT 45

MUD WT. IN 9.6+/OUT 9.2
VIS. IN 45/OUT 46

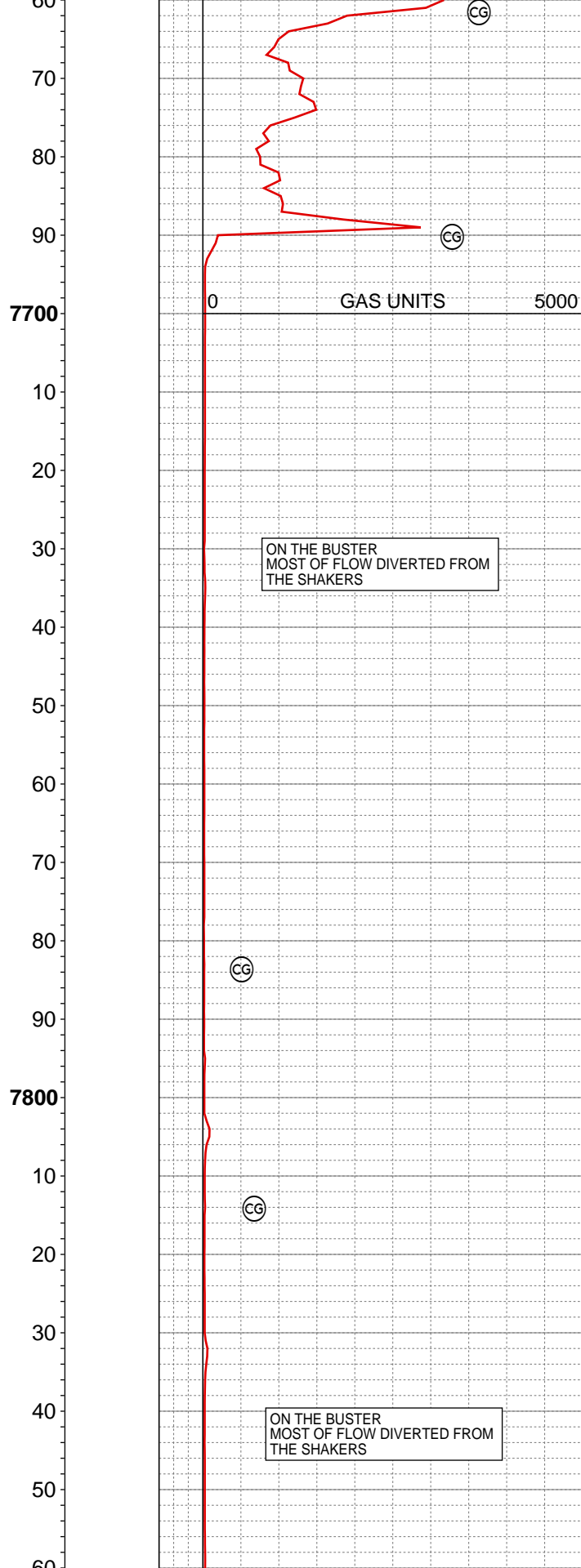
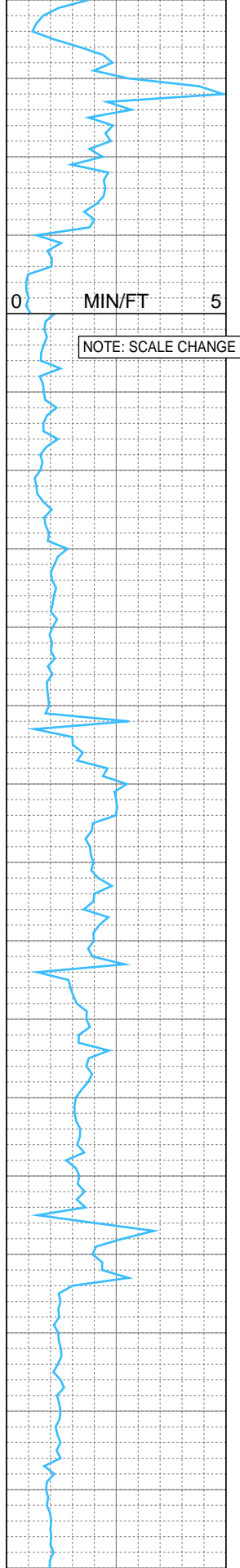


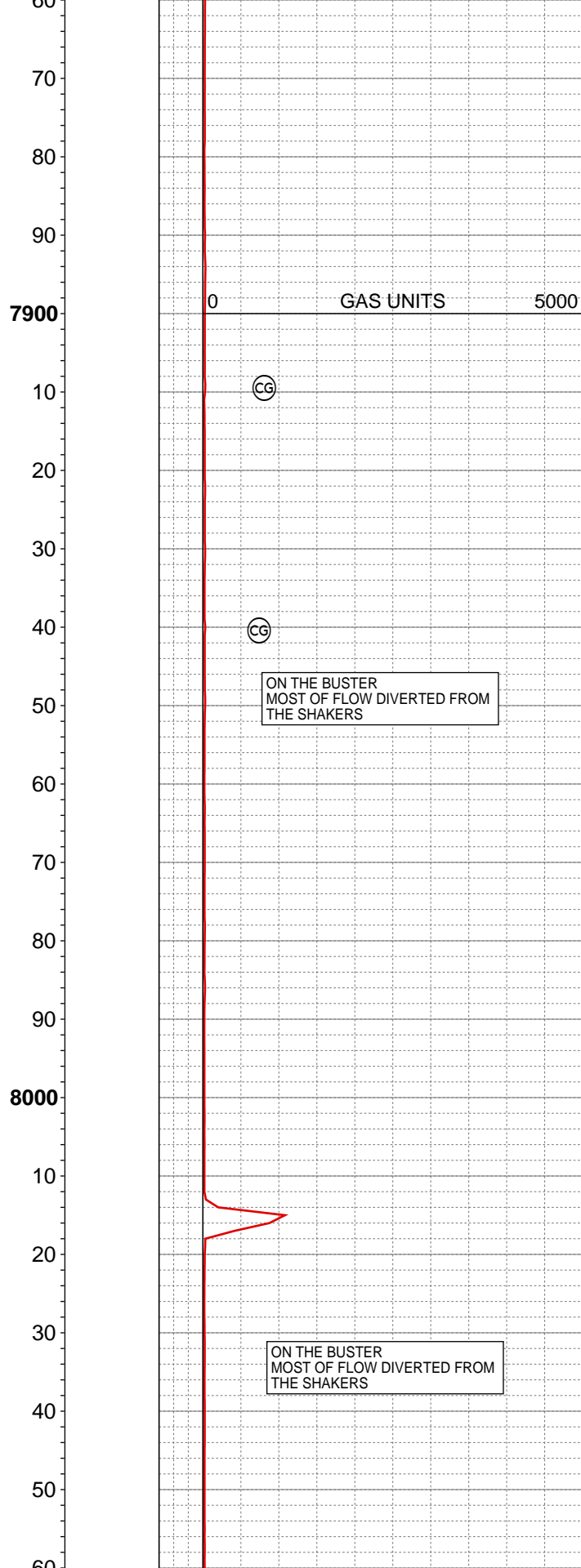
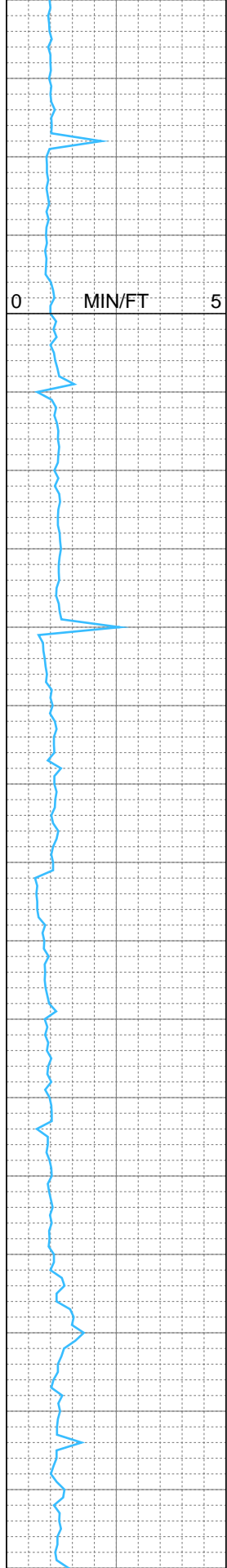
MUD WT. IN 9.4+/OUT 8.8
VIS. IN 49/OUT 51

MUD WT. IN 9.4/OUT 9.3
VIS. IN 53/OUT 51

MUD WT. IN 9.4/OUT 9.3+
VIS. IN 54/OUT 52

MUD WT. IN 9.5/OUT 9.4
VIS. IN 54/OUT 52

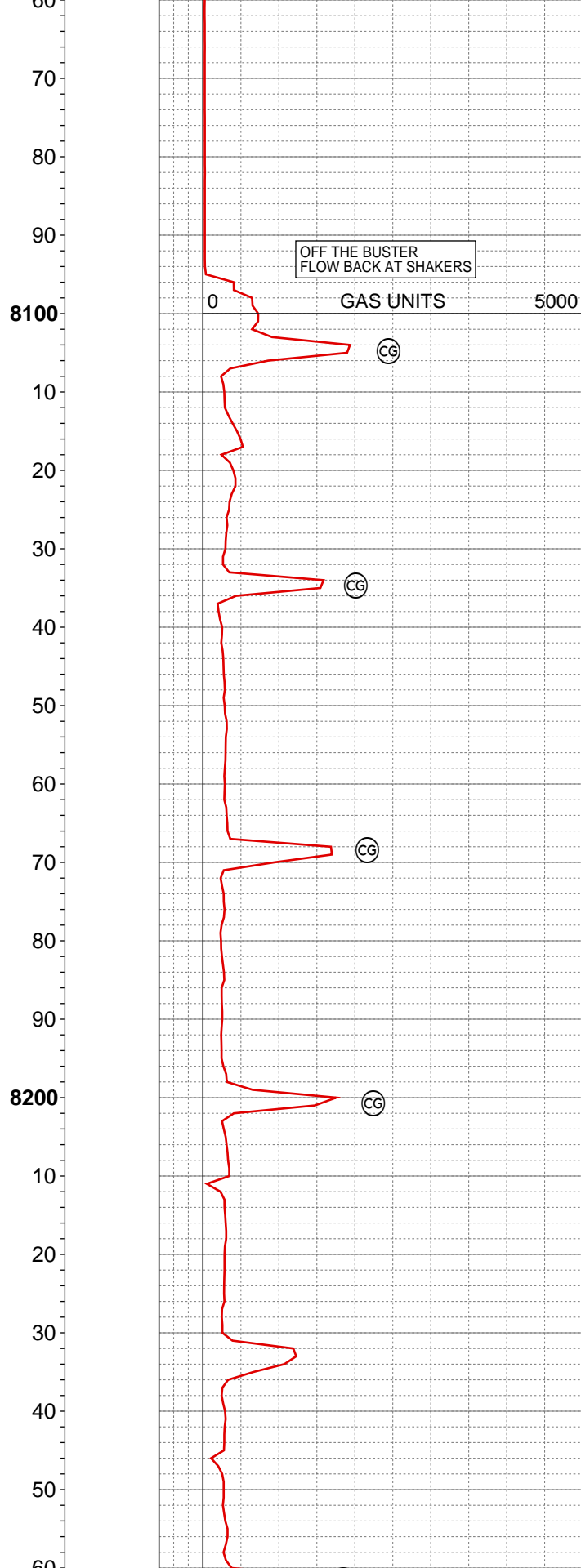
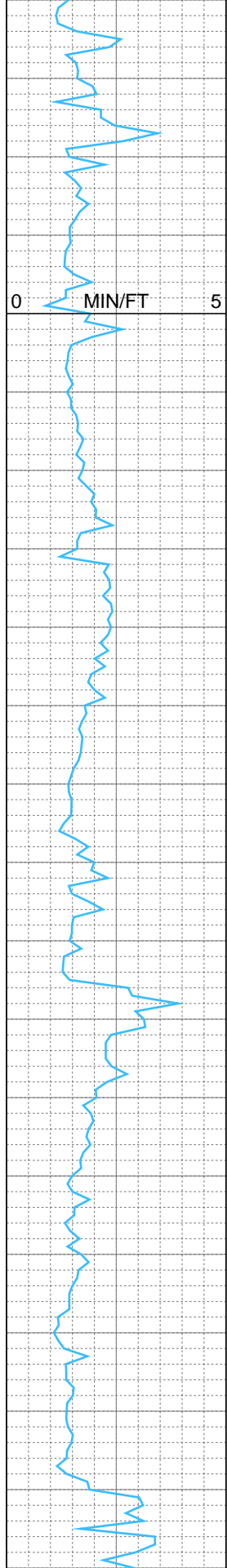




MUD WT. IN 9.7/OUT 9.8
VIS. IN 55/OUT 53

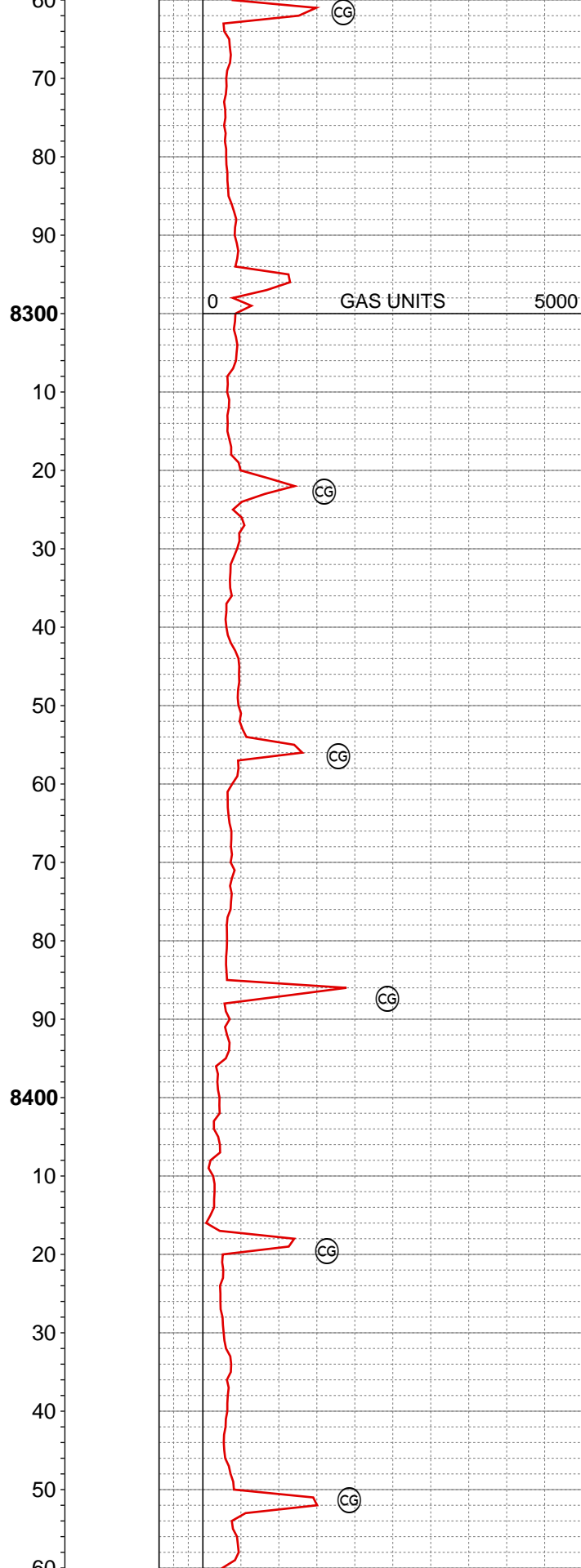
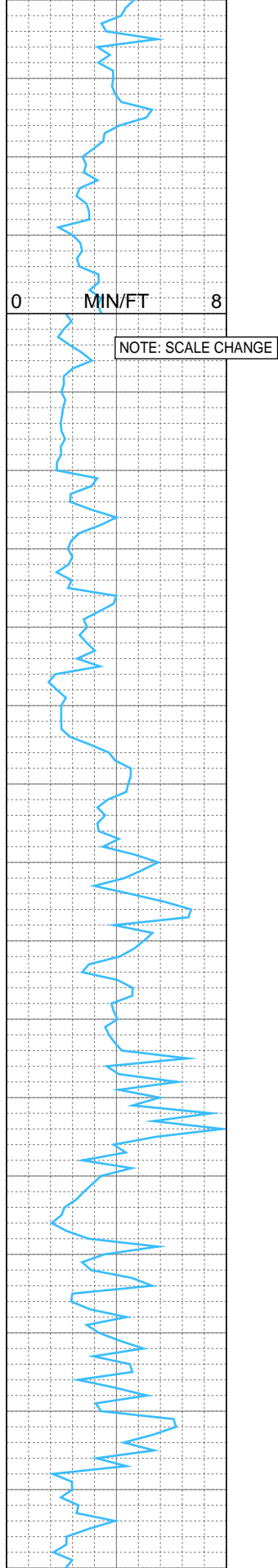
MUD WT. IN 9.8/OUT 9.7+
VIS. IN 47/OUT 47

MUD WT. IN 9.7/OUT 9.7
VIS. IN 50/OUT 48



MUD WT. IN 9.7+/OUT 9.8
VIS. IN 52/OUT 45

MUD WT. IN 9.7/OUT 9.7+
VIS. IN 50/OUT 45



MUD WT. IN 9.6/OUT 9.6+
VIS. IN 47/OUT 47

MUD WT. IN 9.4/OUT 9.4+
VIS. IN 48/OUT 46

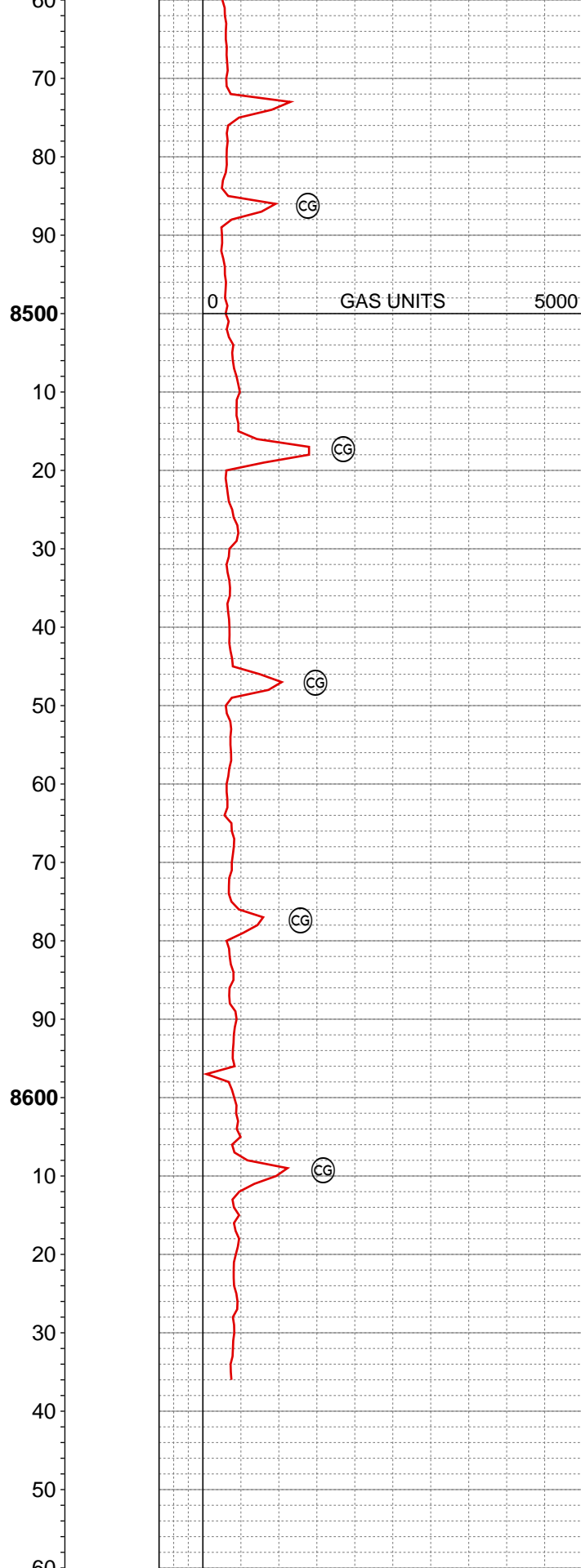
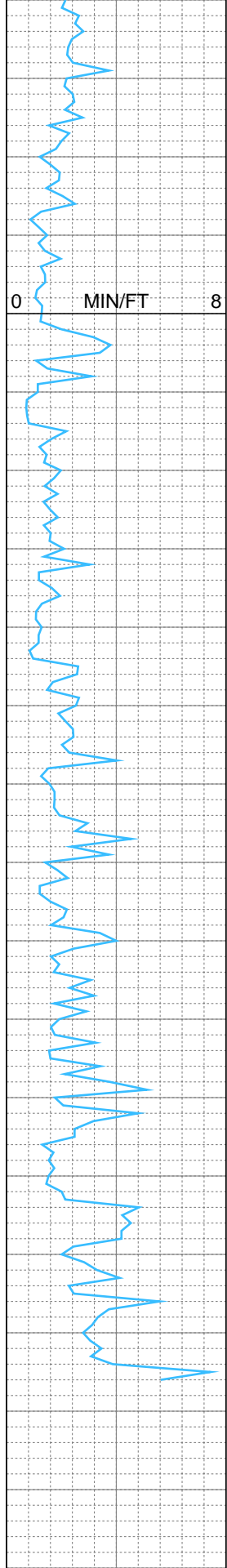
MUD WT. IN 9.7/OUT 9.3
VIS. IN 45/OUT 47

MUD WT. IN 9.6/OUT 9.4
VIS. IN 50/OUT 48

MUD WT. IN 9.6/OUT 9.4
VIS. IN 47/OUT 48

MUD WT. IN 9.4/OUT 9.2
VIS. IN 50/OUT 48

MUD WT. IN 9.6/OUT 9.4



VIS. IN 45/OUT 43

MUD WT. IN 9.5/OUT 9.4
VIS. IN 43/OUT 44

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

MUD WT. IN 9.4/OUT 9.3
VIS. IN 51/OUT 59

TD 8636' REACHED ON 1/3/08

