

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

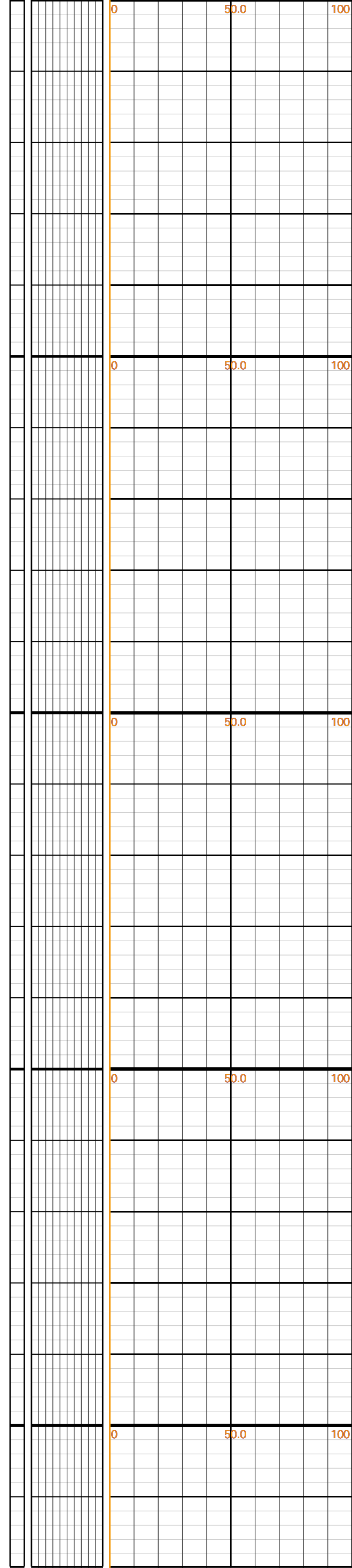
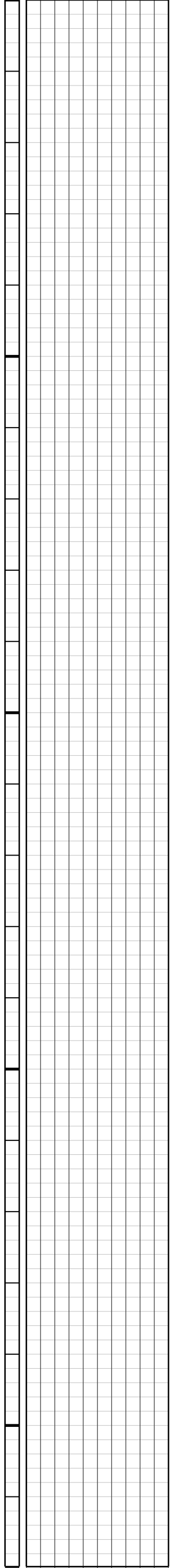
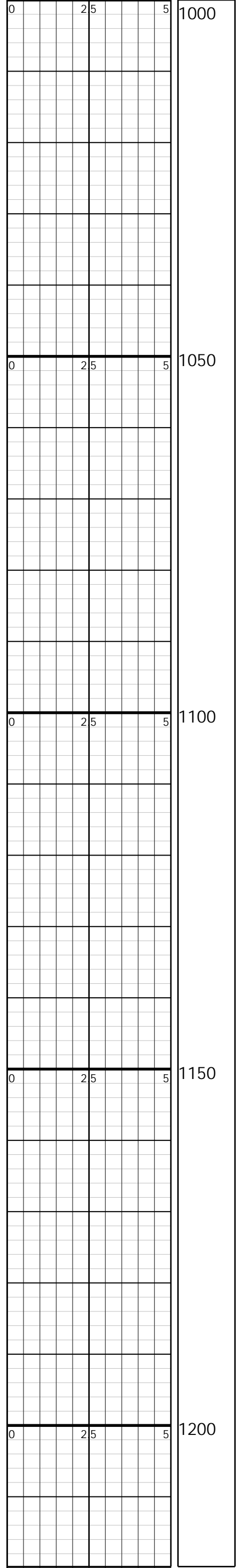
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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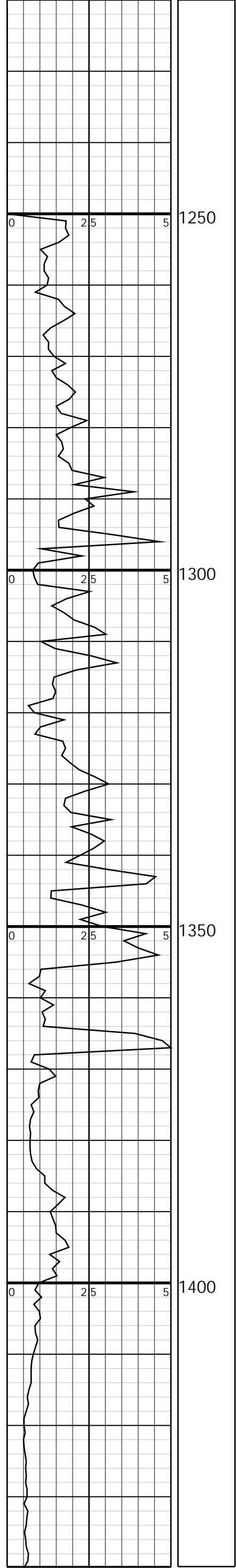
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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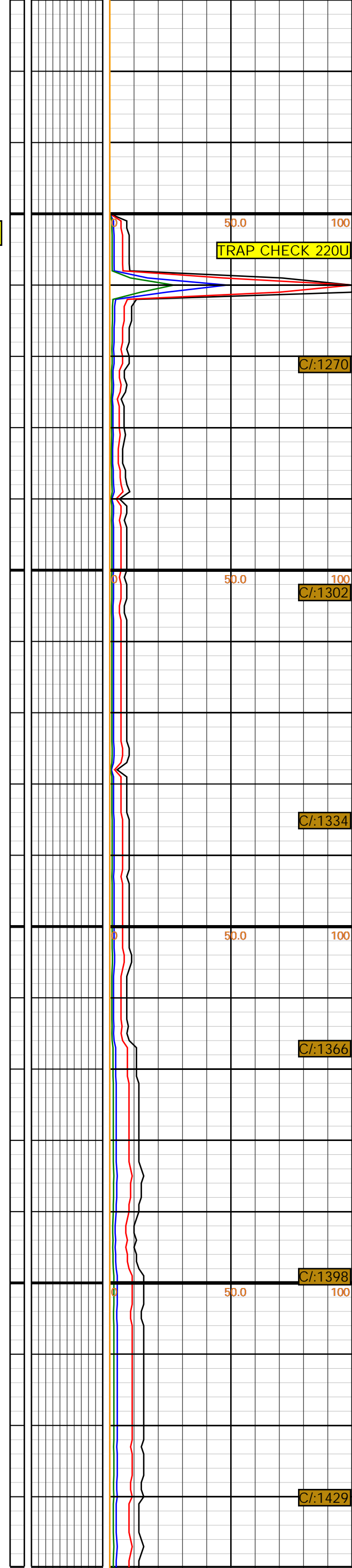


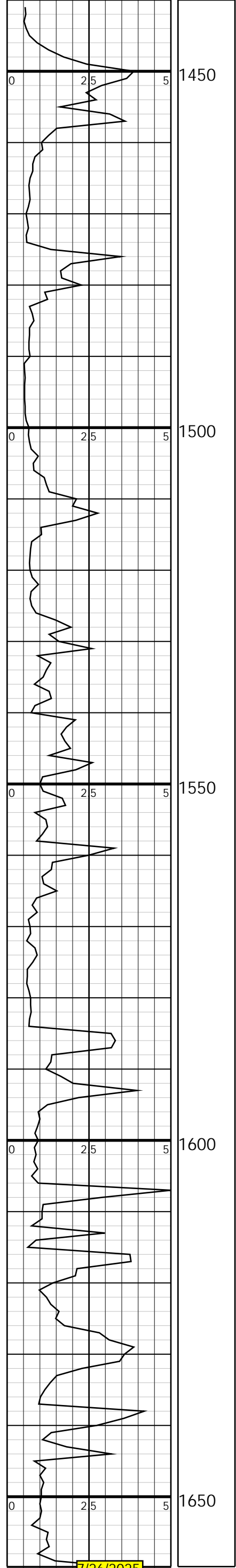




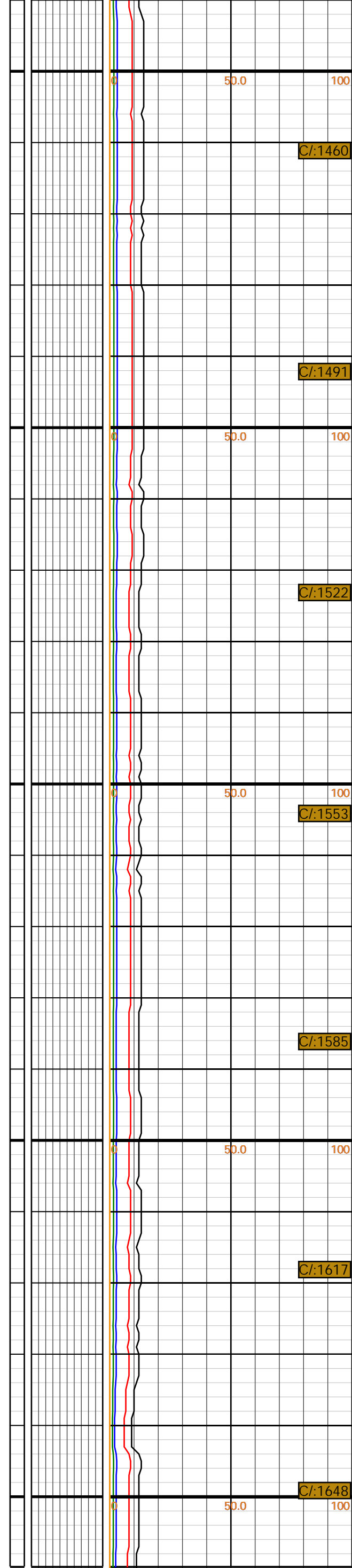
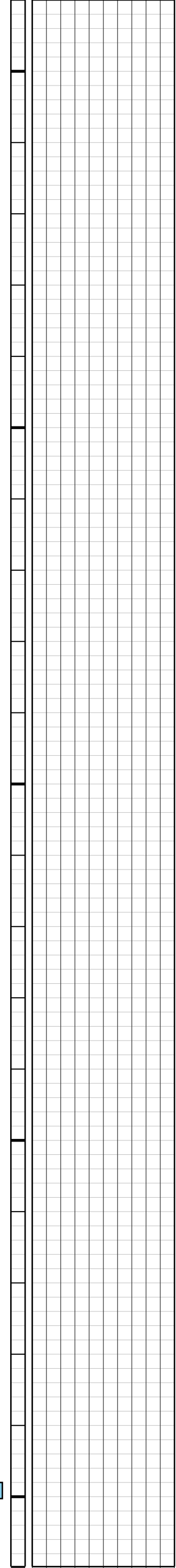
DEV: 2.00

RIGGED UNIT UP ON 7/25/25





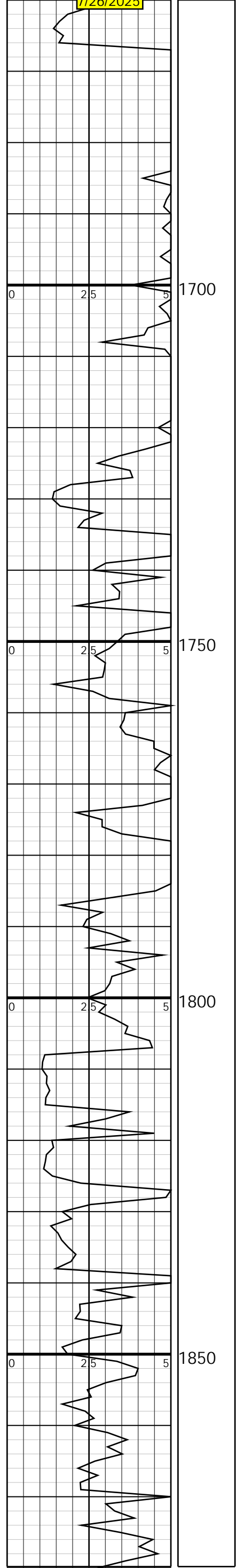
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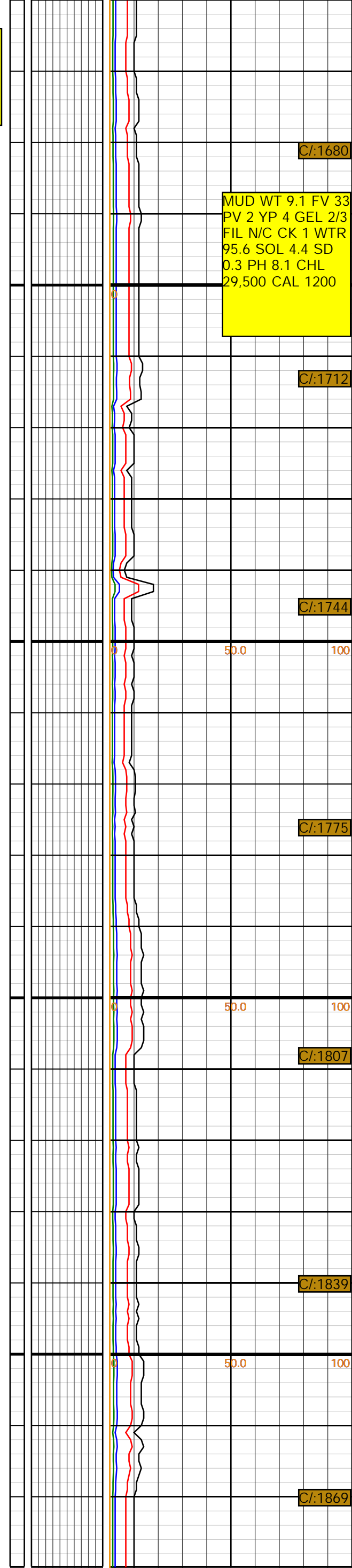
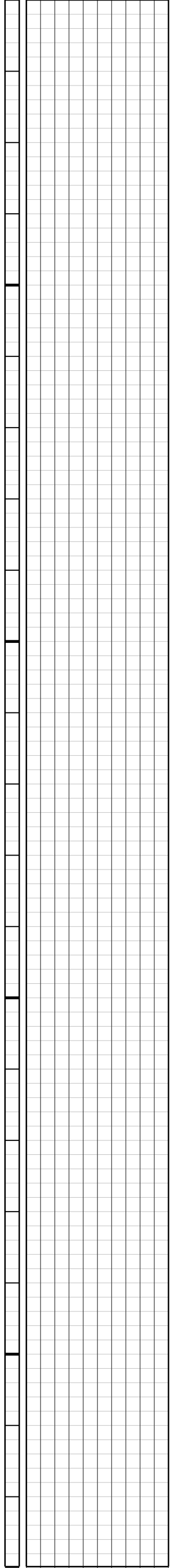
7/26/2023

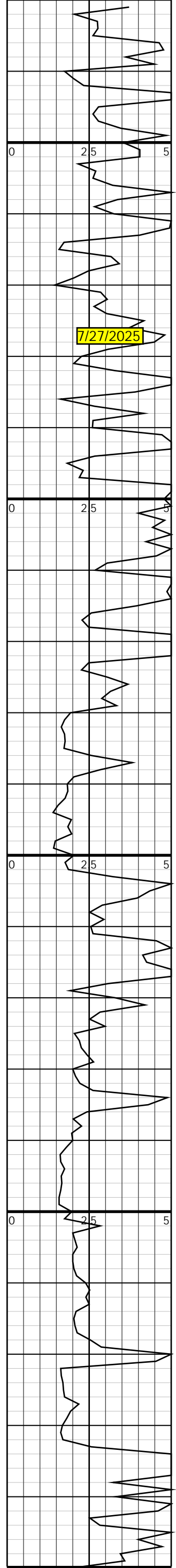
STOPPED @1666' TOH FOR NEW BIT.  
NEW BIT #3, 7 7/8", PDC JZ 813, JETS:  
5/13S, DI. 1666' OB FTG. 1271', HRS. 26  
3/4.

MUD WT 9.1 FV 33  
PV 2 YP 4 GEL 2/3  
FIL N/C CK 1 WTR  
95.6 SOL 4.4 SD  
0.3 PH 8.1 CHL  
29,500 CAL 1200



DEPTH: 1744  
INC:3.0





1900

1950

2000

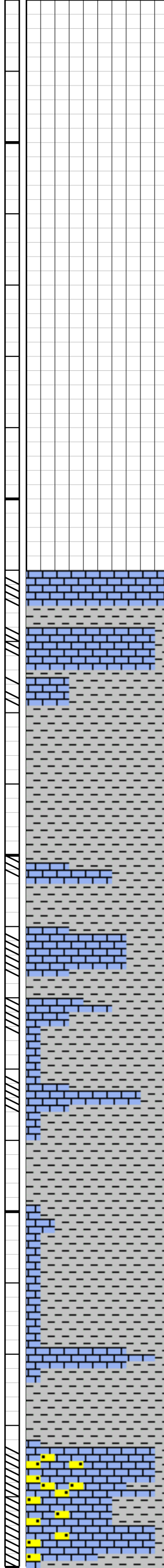
2050

DEPTH: 1901  
INC: 2.5

WOB: 2-6  
RPM: 130  
SPM: 56  
PP: 650

DEPTH: 2058  
INC: 2.0

DEPTH: 2072  
WOB: 2-6  
RPM: 130  
SPM: 56  
PP: 600



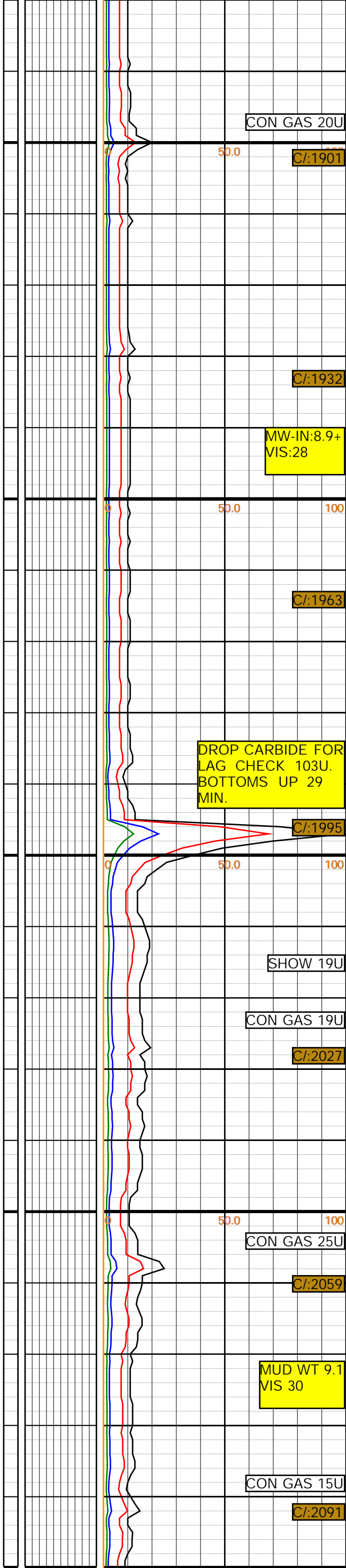
START FULL LOGGING PROCEDURES AT 2000', W/BIT #3 7/8" PDC JZ 813 JETS 5/13S DEPTH IN: 1666' OBF: 1271', PUMP: NAT 550 6 X 15. DP: 4 1/2" DC: 6" SET 8 5/8" CASING AT 395'. WELL SPUD ON 7/23/25.

SH: LT GY-GY-DK GY-TR LT GRN-TR LT RED VF-F TEX AND SM SME ELG ANG AND FLKY SME BLKY SCAT V FPYR SPECS SME CARB SFT-M HD SIL-SME CALC

LS; WH-OFF WH-LT BRN SME MOTT SUB BUFF VF-F XL-F CXL DNS TR SUB CHLKY SME CLN SME SHY SME SL SUC TR AREN TR FOS SFT-M HD-FRM VP INTXL POR TR DULL GOLD MNRL FLOR NO CUT

SH: SME LT GY-GY-DK GY-TRS LT GRN-TR LT RED VF-F TEX AND SM SME ELG ANG AND FLKY SME BLKY SCAT V FPYR SPECS SME CARB SFT-M HD SIL-SME CALC

LS: SME CLR-WH-OFF WH-LT BRN-TR DK BRN SME MOTT SUB BUFF VF-F XL-F CXL DNS TR SUB CHLKY SME CLN SME SHY SME SL SUC SME AREN AND SME SDY/TR GRADING TO SS TR CLR QTZ TR FOS SFT-M HD-FRM VP INTXL POR TR DULL GOLD MNRL FLOR NO CUT



CON GAS 20U

C/: 1901

C/: 1932

MW-IN: 8.9+  
VIS: 28

C/: 1963

DROP CARBIDE FOR LAG CHECK 103U. BOTTOMS UP 29 MIN.

C/: 1995

SHOW 19U

CON GAS 19U

C/: 2027

CON GAS 25U

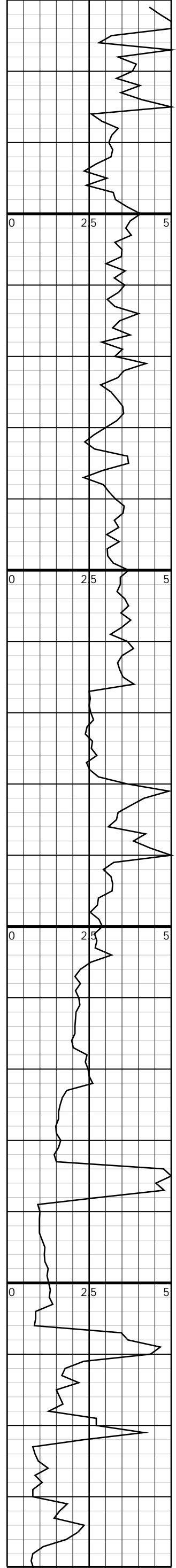
C/: 2059

MUD WT 9.1  
VIS 30

CON GAS 15U

C/: 2091



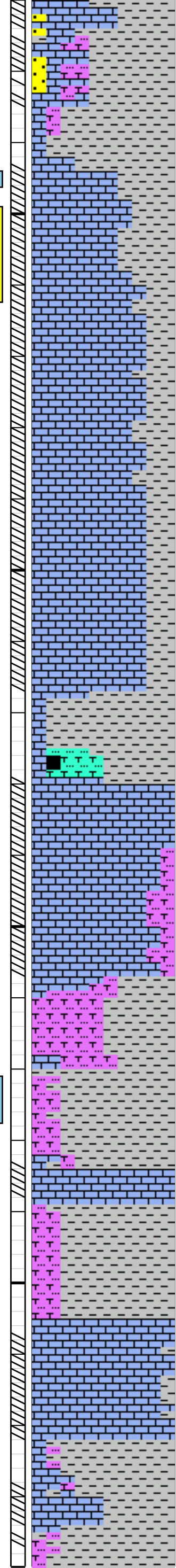


2350  
2400  
2450  
2500

DEV: 1.50

WOB:12  
RPM:130  
SPM:56  
PP:625

DEPTH: 2471  
INC:1.0



SME MOTT, SME SUB BUFF, VF/F XLN, VF CXLN, DNSE, SME CHLKY/ SUB CHLKY, SME CLN, SME SHLY, SME SLI SUC, TRC AREN, SCAT SS, TRC SNDY, SFT/ M HRD/ FRM, ,VP/P INTERXLN POR, TRC DULL GOLD MINERAL FLUOR, NO CUTS

LS; SME WH-OFF WH-CRM-TAN-LT BRN-BRN-SME DK BRN SME V MOTT SME SUB BUFF VF-F XL-F CXL SME F CHLKY TEX SME V DNS PRED CLN SME SHY SME/SH PART IMBD SME SUC SME ARG TRS AREN SME FOS TRS OOL SME/SEC RECXL ON EDGES AND FACES SCAT VF PYR INCL SFT-M HD-FRM VP-P INTXL POR SCAT DULL GOLD-TRS V PALE YEL MNRL FLOR NO CUT

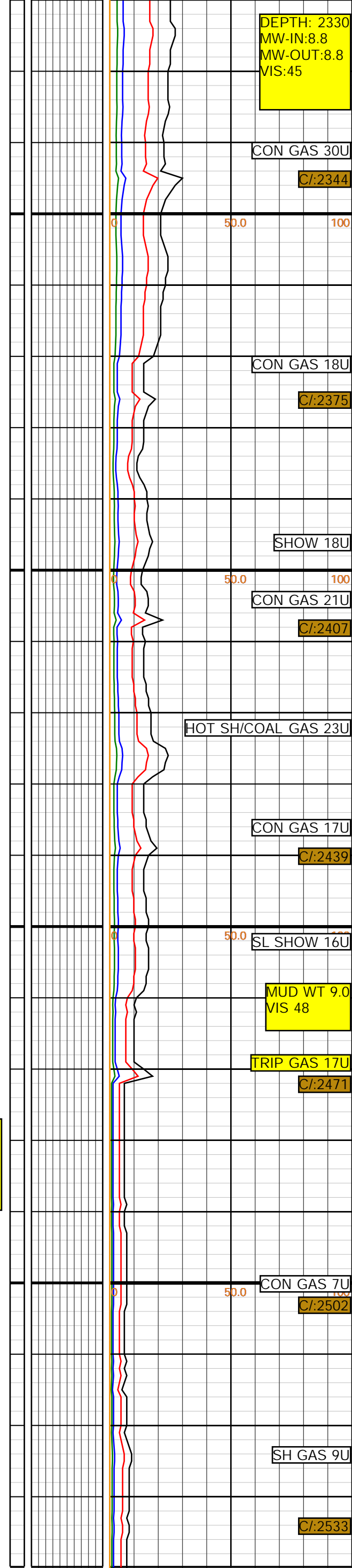
SH: GY-DK GY-TRS BLK VF-F TEX AND SM SME VF GRAN TEX AND ASHY V CARB TR COAL SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

LS: WH-PRED OFF WH-TAN SUB BUFF VF-F XL-PRED F CHLKY TEX SME DNS PRED V CLN SME SUC ARG TR AREN TR FOS TR OOL SFT-M HD-FRM VP-P INTXL POR SCAT DULL GOLD MNRL FLOR NO CUT

SLTSN: LT GY-GY VF-F SUB ANG GR CONSOL TT WELL SORT WELL CMT/SIL-CALC MTX SME/CARB INCL ABUNDANT MICA SCAT VF PYR SPECS SFT-M HD NO VIS POR NO FLOR NO CUT

TRIP OUT FOR BIT AND WORK ON DRILLING NIPPLE AT 2471'. NEW BIT #4, 7 7/8", JZ 516, JETS: 5-13S, DI. 2471'. OB FTG. 805', HRS. 46

LS: OFF WHT/WHT/CRM/LT TAN/ LT BRWN, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, PRED CLN, SME SLI SHLY, SME SUC, SME AREN, SME ARG, SCAT OOL, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOL/YEL MINERAL FLUOR, NO CUTS



DEPTH: 2330  
MW-IN:8.8  
MW-OUT:8.8  
VIS:45

CON GAS 30U  
C/:2344

CON GAS 18U  
C/:2375

SHOW 18U

CON GAS 21U  
C/:2407

HOT SH/COAL GAS 23U

CON GAS 17U  
C/:2439

SL SHOW 16U

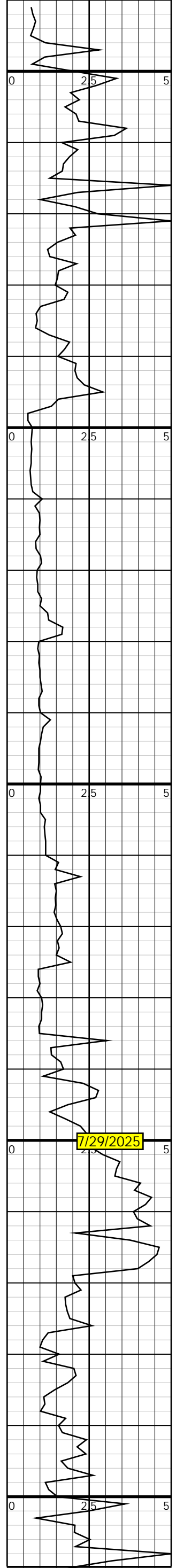
MUD WT 9.0  
VIS 48

TRIP GAS 17U  
C/:2471

CON GAS 7U  
C/:2502

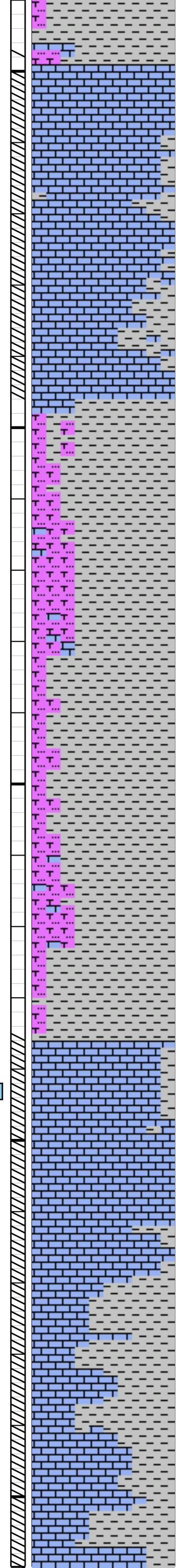
SH GAS 9U

C/:2533



2550  
2600  
2650  
2700  
2750

DEV: 2.00



LS: OFF WHT/WHT/CRM/LT TAN/ LT BRWN, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, PRED CLN, SME SLI SHLY, SME SUC, SME AREN, SME ARG, SCAT OOL, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOL/YEL MINERAL FLUOR, NO CUTS

LS: OFF WHT/WHT/CRM/LT TAN/ LT BRWN, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, PRED CLN, SME SLI SHLY, SME SUC, SME AREN, SME ARG, SCAT OOL, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOL/YEL MINERAL FLUOR, NO CUTS

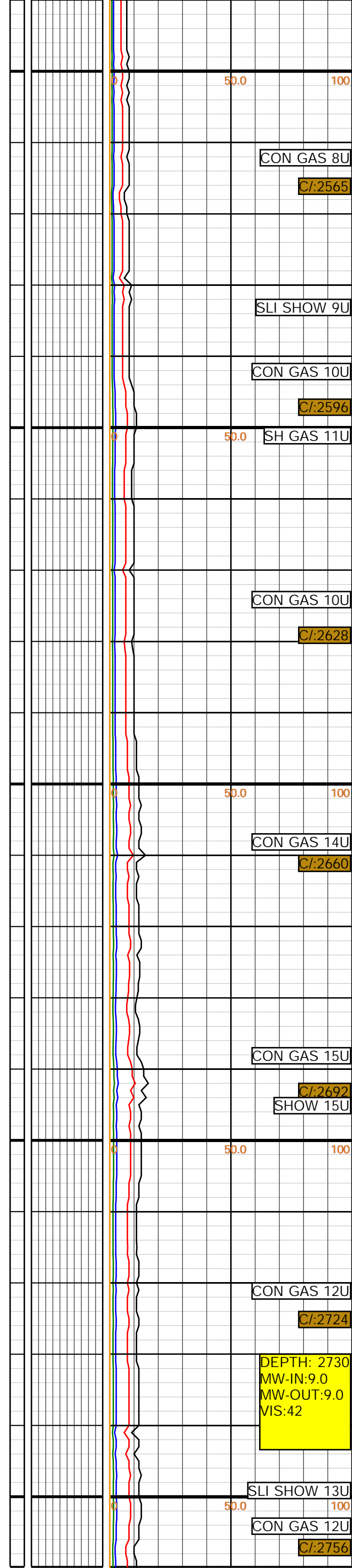
SH: LT GRY/GRY/SME DRK GRY, VF TEXT, SME SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY, SME SLTST, TRC LS, SME SCAT VF PYR SPECS, SIL/SLI CALC

SH: LT GRY/GRY/SME DRK GRY, VF TEXT, SME SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY, SME SLTST, TRC LS, SME SCAT VF PYR SPECS, SIL/SLI CALC

SH: LT GRY/GRY/SME DRK GRY, VF TEXT, SME SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY, SME SLTST, TRC LS, SME SCAT VF PYR SPECS, SIL/SLI CALC

LS: OFF WHT/WHT/CRM/LT TAN/ LT BRWN, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, PRED CLN, SME SLI SHLY, SME SUC, SME AREN, SME ARG, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOLD/YEL MINERAL FLUOR, NO CUTS

LS: OFF WHT/WHT/CRM/LT TAN/ LT BRWN, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, SME CLN, SME V SHLY/SLTY, SME SUC, SME AREN, SME ARG, SME FREE SH/SLTST, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOLD/YEL MINERAL FLUOR, NO CUTS



CON GAS 8U

Cl:2565

SLI SHOW 9U

CON GAS 10U

Cl:2596

SH GAS 11U

CON GAS 10U

Cl:2628

CON GAS 14U

Cl:2660

CON GAS 15U

Cl:2692

SHOW 15U

CON GAS 12U

Cl:2724

DEPTH: 2730  
MW-IN:9.0  
MW-OUT:9.0  
VIS:42

SLI SHOW 13U

CON GAS 12U

Cl:2756

DEPTH: 2770  
WOB:9  
RPM:120  
SPM:56  
PP:600

DEV. 2.50

DEPTH: 2870  
WOB:4  
RPM:120  
SPM:56  
PP:600

DEV. 2.00

LS: OFF WHT/WHT/CRM/LT TAN/ MSTLY LT GRY/GRY, VF/F XLN, VF CXLN, SUB BUFF, CHLKY, SME DNSE, SME CLN, SME V SHLY/SLTY, SME SUC, SME AREN, SME ARG, SME FREE SH/SLTST, SFT/ M HRD/FRM, VP/P INTERXLN, POR, SME DULL GOLD/YEL MINERAL FLUOR, NO CUTS

TRIP FOR BIT AT 2827'. NEW BIT #5, 7 7/8", JZ 616, JETS: 3-13S, 3-12S, OB HRS. 10 1/4, FTG. 356'.

SH: V DK GY-PRED BLK VF-F TEX AND SM SME VF GRAN TEX AND V ASHY V CARB SCAT FREE PCS OF COAL SCAT VF PYR SPECS SFT-M HD SIL-TRS SL CALC

LS: TR FRSTD-WH-OF WH-TAN-TR LT BRN TR MOTT SME SUB BUFF VF-F XL-F CXL SME F CHLKY TEX SME DNS SME V CLN SME SUC SSL AREN SME ARG TRS FOS TR FREE CALCITE SME SFT-M HD-FRM VP-P-TR FR INTXL POR TR POS FRAC POR SCAT DULL GOLD MNRL FLOR NO CUT

LS: WHT/ OFF WHT/CRM/LT TAN/TRC LT BRWN, TRC MOTT, SME SUB BUFF, VF/F XLN, VF CXLN, SME CHLKY, DNSE, PRED V CLN, SME SUC, SME AREN, SME ARG, SFT/ M HRD/ FRM, VP/P/TRC FAIR INTERXLN POR, SME DULL GOLD MINERAL FLUOR, NO CUTS

LS: WHT/ OFF WHT/ CRM/ LT TAN/ TRC LT BRWN, TRC MOTT, SME SUB BUFF, VF/F XLN, VF CXLN, SME CHLKY, DNSE, SME V CLN, SME SUC, SME AREN, SME ARG, SME SHLY, SME FREE SH, SFT/ M HRD/ FRM, VP/P/TRC FAIR INTERXLN POR, SME DULL GOLD MINERAL FLUOR, NO CUTS

LS: WHT/ OFF WHT/ CRM/ LT TAN/ TRC LT BRWN, TRC MOTT, SME SUB BUFF, VF/F XLN, VF CXLN, SME CHLKY, DNSE, PRED V CLN, SME SUC, SME AREN, SME ARG, SFT/ M HRD/ FRM, VP/P/TRC FAIR INTERXLN POR, SME DULL GOLD MINERAL FLUOR, NO CUTS

CON GAS 12U

C/:2788

MUD WT 9.1  
VIS 48

SH/COAL GAS 15U

C/:2820

TRIP GAS 19U

SH/COAL GAS 22U

CON GAS 11U

C/:2852

CON GAS 9U

C/:2883

CON GAS 10U

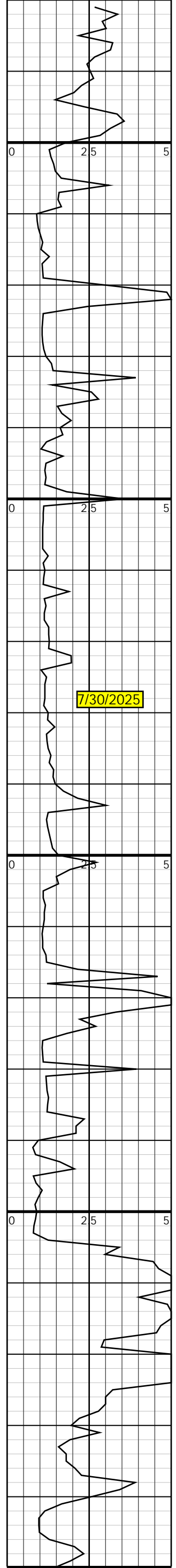
C/:2913

CON GAS 13U

C/:2945

CON GAS 19U

C/:2976



3000

3050

3100

3150

7/30/2025

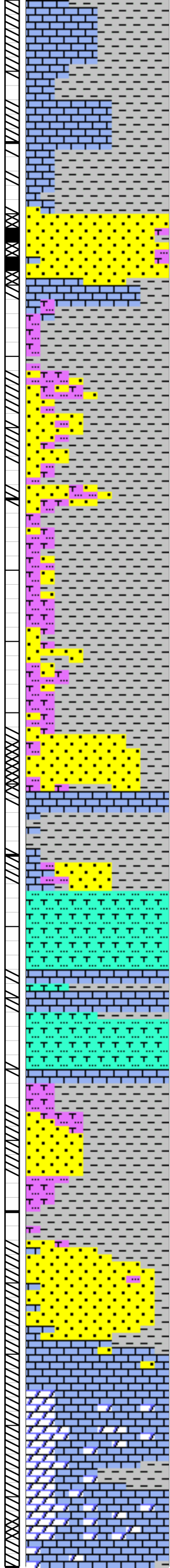
BASE OF  
HEEBNER  
HOT SHALES  
MD: 3129'  
SS: (-1887)

DEV: 2.00

DEPTH: 3164  
WOB:12  
RPM:120  
SPM:56  
PP:650

DEV. 2.0

DEPTH: 3181  
WOB:34  
RPM:50  
SPM:58  
PP:700



BRWN, TRC MOTT, SME SUB BUFF, VF/F XLN, VF CXLN, SME CHLKY, DNSE, SME V CLN, SME SUC, SME AREN, SME ARG, SME SHLY, SME FREE SH, SFT/ M HRD/ FRM, VP/P/TRC FAIR INTERXLN POR, SME DULL GOLD MINERAL FLUOR, NO CUTS

SS: OFF WHT/WHT/CLR/FRSTED, VF/F SUB ANG/ANG/SUB RND GR CONSOL/SME UNCONSOL, MOD/WELL SORT, SME P/FAIR/WELL CMT W/SIL/SLI CALC MTX, PRED CLN, SLI SHLY/SLTY, SME SH, SME LS, SME SLTST, SME FRI, SFT/ M HRD/HRD, VP/P/FAIR/ SME GOOD INTERGRN POR, NO FLUOR OR CUTS

SH: LT GRY/GRY/SME DRK GRY, VF TEXT, SME SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY, SME SLTST, SME SS, SME SCAT VF PYR SPECS, SIL/SLI CALC

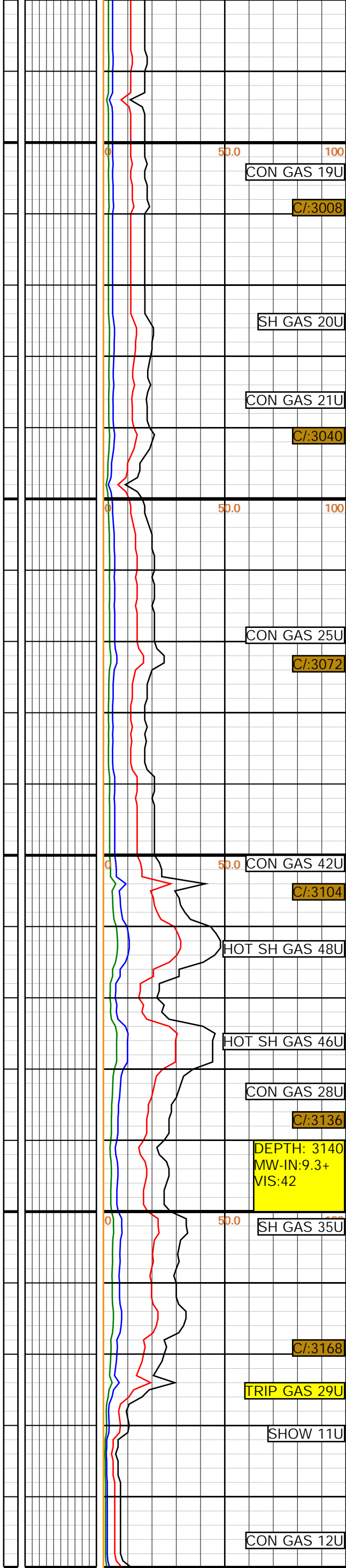
SS: OFF WHT/WHT/CLR/FRSTED, VF/F SUB ANG/ANG/SUB RND GR CONSOL, MOD/WELL SORT, SME FAIR/WELL CMT W/SIL/SLI CALC MTX, PRED CLN, SME LMY, SLI SHLY/SLTY, SME SH, SME LS, SME SLTST, SME FRI, SFT/ M HRD/HRD, VP/P/FAIR/ SME GOOD INTERGRN POR, NO FLUOR OR CUTS

SH: SME GRY/ PRED DRK GRY/BLK, VF TEXT, ELNG/ SUB BLKY/BLKY/SUB PLTY, SME LS, SME SCAT VF PYR SPECS, SIL/SLI CALC

SS: OFF WHT/WHT/CLR/FRSTED, VF/F SUB ANG/ANG/SUB RND GR CONSOL, MOD/WELL SORT, SME FAIR/WELL CMT W/SIL/SLI CALC MTX, PRED CLN, SME LMY, SLI SHLY/SLTY, SME SH, SME LS, SME SLTST, SME FRI, SFT/ M HRD/HRD, VP/P/FAIR/ SME GOOD INTERGRN POR, NO FLUOR OR CUTS

NEW BIT #6, 7 7/8" JZ HA-20, JETS: 3-15S, DI. 3174'. OB FTG. 347', HRS. 12 1/2.

LS: TRS OFF WH-PRED TAN-LT BRN BUFF-SUB BUFF VF-F XL-PRED F CXL DNS SME CLN V SUC SME V DOLOMIC AND SME GRADING TO DOLOM AREN SME/SEC RECXL ON FACES AND EDGES SCAT POS LT BRN O-STNING SFT-PRED M HD-FRM VP-P INTXL POR TR SPOS FRAC POR ABUNDANT GOLD-SME V



CON GAS 19U

C/:3008

SH GAS 20U

CON GAS 21U

C/:3040

CON GAS 25U

C/:3072

CON GAS 42U

C/:3104

HOT SH GAS 48U

HOT SH GAS 46U

CON GAS 28U

C/:3136

DEPTH: 3140  
MW-IN:9.3+  
VIS:42

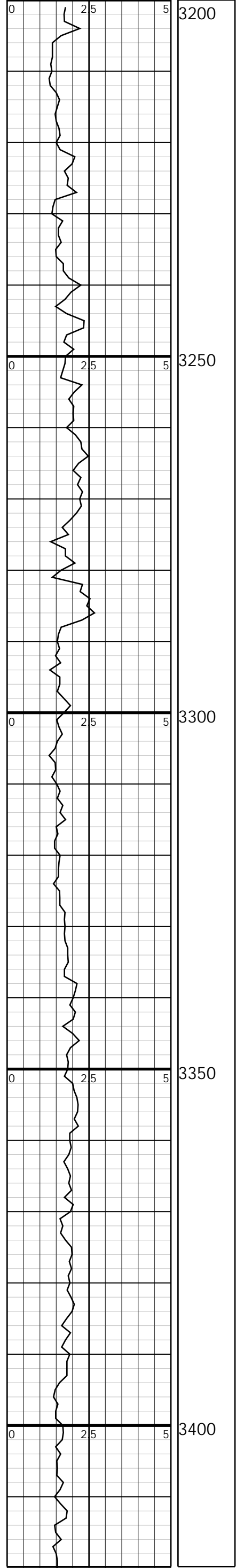
SH GAS 35U

C/:3168

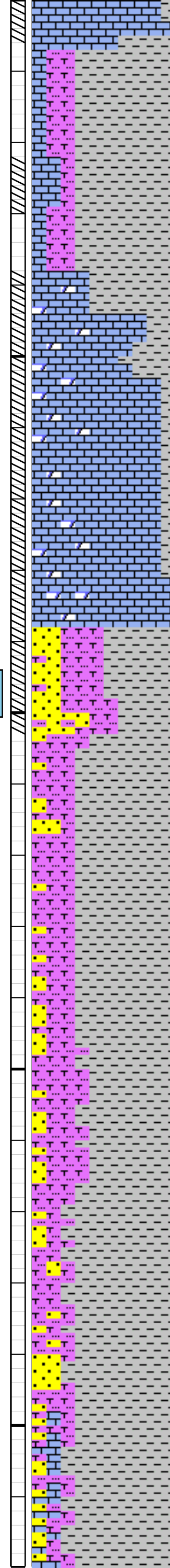
TRIP GAS 29U

SHOW 11U

CON GAS 12U



DEPTH: 3294  
INC:2.75



PALE YEL MNRL FLOR NO CUT

SH: LT GY-GY-TRS DK GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY SME ELG SME ANG SME BLKY SME CARB SCAT VF PYR SPECS SCAT MICA SFT-M HD SIL-SME CALC

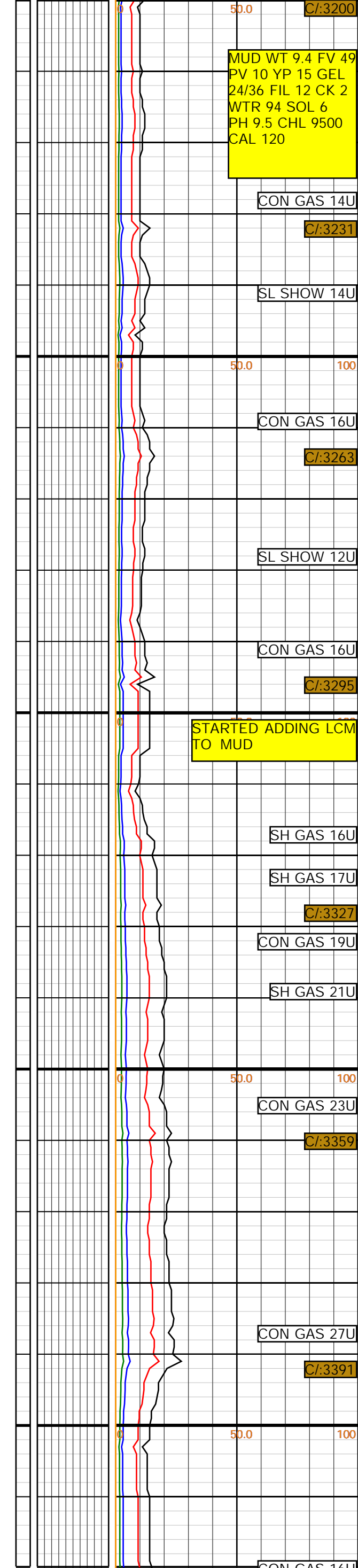
LS: OFF WH-TAN-LT BRN-BRN SME V MOTT SME BUFF-PRED SUB BUFF VF-F XL- F CXL TRS F CHLKY TEX SME V DNS PRED CLN SME SHY SME SUC SL AREN SME ARG SME FOS SME/SEC RECXL ON EDGES AND FACES TR DOLOMIC SFT-M HD-FRM VP-P INTXL POR TR POS FRAC POR ABUNDANT DULL GOLD MNRL FLOR NO CUT

SS: OFF WH-LT GY VF-F SUB ANG GR CONSOL PRED V TT WELL SORT WELL CMT/SIL-CALC MTX TR CLN PRED SHY AND SLTY/SME GRADING TO SLTSN SME/CARB INCL SCAT MICA SCAT VF PYR SPECS SFT-PRED M HD-FRM TR VP INTGRAN POR NO VIS FLOR NO CUT

SH: LT GY-GY-TR DK GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY SME GRADING TO SLTSN SME ELG ANG SME BLKY SME CARB SCAT VF PYR SPECS SCAT MICA SFT-M HD SIL-TR SL CALC

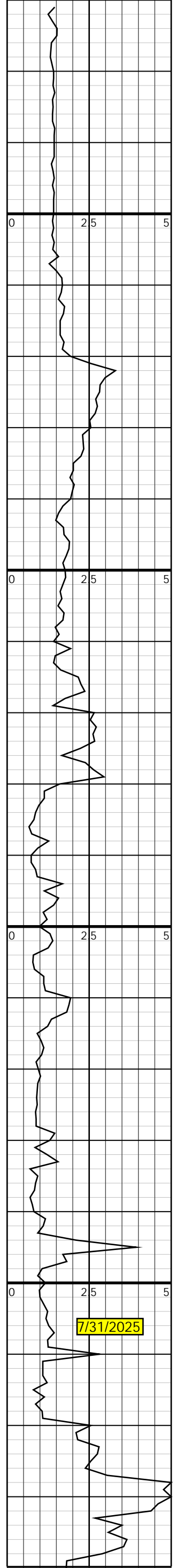
SH: LT GY-GY-TR DK GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY SME GRADING TO SLTSN SME ELG ANG SME BLKY SME CARB SCAT VF PYR SPECS SCAT MICA SFT-M HD SIL-TR SL CALC

SH: LT GRY/GRY/SCAT DRK GRY, VF/F TEXT, SME V SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY/SUB PLTY, SME GRDING INTO SLTST, SME SS, SCAT VF PYR SPECS, SFT/ M HRD, SIL/SLI CALC



MUD WT 9.4 FV 49  
PV 10 YP 15 GEL  
24/36 FIL 12 CK 2  
WTR 94 SOL 6  
PH 9.5 CHL 9500  
CAL 120

STARTED ADDING LCM  
TO MUD



3450

DEPTH: 3455  
INC:3.00

HASKELL  
LIMESTONE  
MD: 3471'  
SS: (-2229)

3500

TONKAWA  
SANDSTONE  
MD: 3520'  
SS: (-2278)

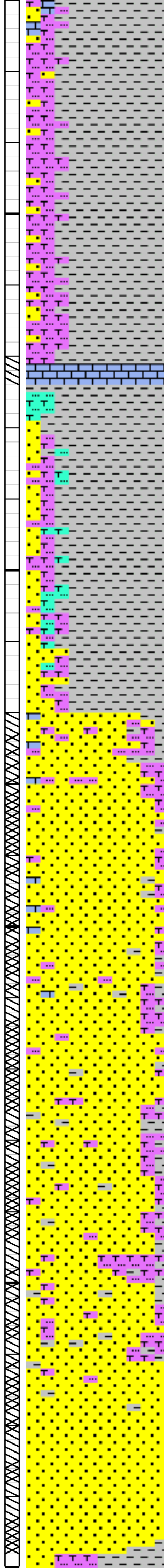
3550

3600

DEPTH: 3600  
WOB:28-30  
RPM:65  
SPM:56  
PP:750

DEPTH: 3613  
INC:3.75

DEPTH: 3625  
WOB:4-8  
RPM:110  
SPM:56  
PP:550



SH: LT GRY/GRY/SCAT DRK GRY, VF/F TEXT, SME V SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY/SUB PLTY, SME GRDING INTO SLTST, SME SS, SCAT VF PYR SPECS, SFT/ M HRD, SIL/SLI CALC

SH: LT GRY/GRY/SCAT DRK GRY, VF/F TEXT, SME V SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY/SUB PLTY, SME GRDING INTO SLTST, SME SS, SCAT VF PYR SPECS, SFT/ M HRD, SIL/SLI CALC

SH: LT GRY/GRY/SCAT DRK GRY, VF/F TEXT, SME V SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY/SUB PLTY, SME GRDING INTO SLTST, SME SS, SME CARB SH, SCAT VF PYR SPECS, SFT/ M HRD, SIL/SLI CALC

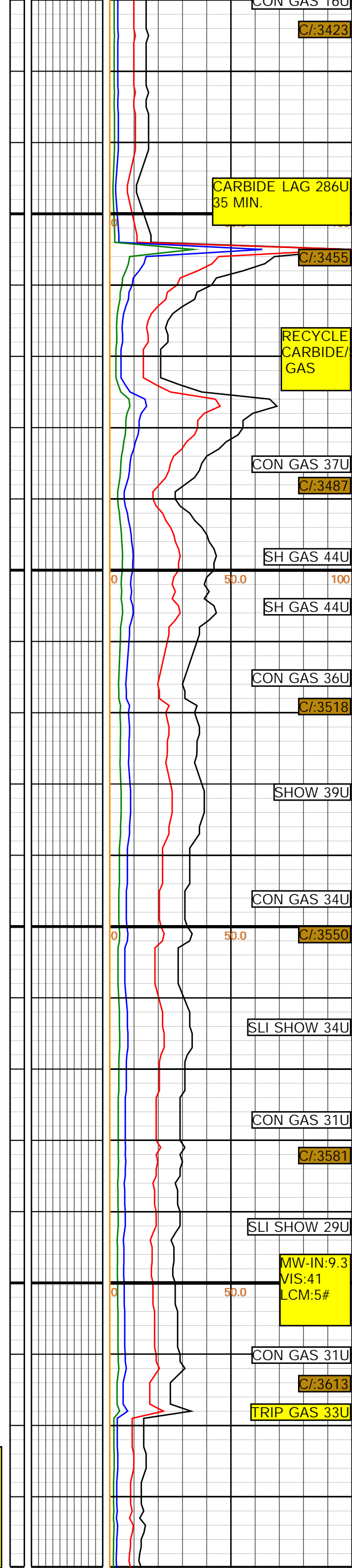
SH: LT GRY/GRY/SCAT DRK GRY, VF/F TEXT, SME V SLTY TEXT, ELNG/SUB BLKY/BLKY/PLTY/SUB PLTY, SME GRDING INTO SLTST, SME SS, SME CARB SH, SCAT VF PYR SPECS, SFT/ M HRD, SIL/SLI CALC

SS: OFF WHT/WHT/SME CLR/TRNSL, VF/F/TRC SLI MED GR CONSOL/TRC UNCONSOL, MOD/WELL SORT, TRC P/PRED FAIR/WELL CMT W/SIL/MOD CALC MTX, PRED CLN, SME SLI SHLY, SME W/CARB SPECS, SCAT SLI LMY, SCAT SLTST, FRI, SFT/M HRD/HRD, VP/P/FAIR INTERGRN POR, NO FLUOR OR CUTS

SS: OFF WHT/WHT/SME CLR/TRNSL/ TRC V LT BRWN, VF/F/TRC SLI MED GR CONSOL, MOD/WELL SORT, FAIR/WELL CMT W/SIL/MOD CALC MTX, PRED CLN, SME SHLY/SLTY, SME W/CARB SPECS, SCAT SH/SLTST, FRI, SFT/M HRD/HRD, P/FAIR INTERGRN POR, NO FLUOR OR CUTS

SS: OFF WHT/WHT/SME CLR/TRNSL/ TRC V LT BRWN, VF/F/TRC SLI MED GR CONSOL, MOD/WELL SORT, FAIR/WELL CMT W/SIL/MOD CALC MTX, PRED CLN, SME SHLY/SLTY, SME W/CARB SPECS, SCAT SH/SLTST, TRC V LT BRWN OIL STAIN, FRI, SFT/M HRD/HRD, P/FAIR INTERGRN POR, NO FLUOR OR CUTS

STOPPED AT 3618' CIRC. AN HOUR FOR BIT TRIP DUE TO DEVIATION PROBLEMS, NEW BIT #7 7 7/8" JZ 616 JETS: 3/13S AND 3/12S, OBF: 444' HRS: 11



C/3423

CARBIDE LAG 286U  
35 MIN.

C/3455

RECYCLE  
CARBIDE/  
GAS

CON GAS 37U

C/3487

SH GAS 44U

SH GAS 44U

CON GAS 36U

C/3518

SHOW 39U

CON GAS 34U

C/3550

SLI SHOW 34U

CON GAS 31U

C/3581

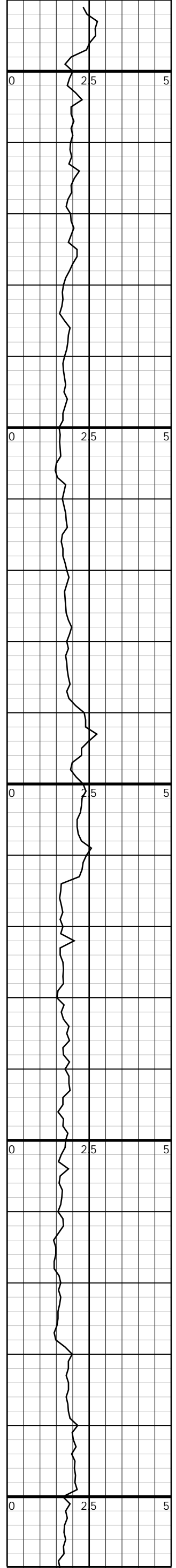
SLI SHOW 29U

MW-IN:9.3  
VIS:41  
LCM:5#

CON GAS 31U

C/3613

TRIP GAS 33U

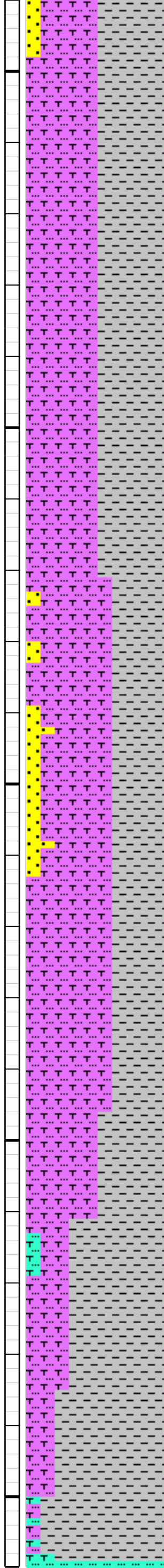


3650  
0 25 5  
3700  
0 25 5  
3750  
0 25 5  
3800  
0 25 5  
3850  
0 25 5

DEPTH: 3739  
INC:3.50

DEPTH: 3814  
WOB:4-6  
RPM:110  
SPM:56  
PP:550

AVANT HOT  
SH  
MD: 3859'



SH: PRED LT GY-GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY AND GRADING TO SLTSN SME ELG SME ANG ABUNDANT VF MICA SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

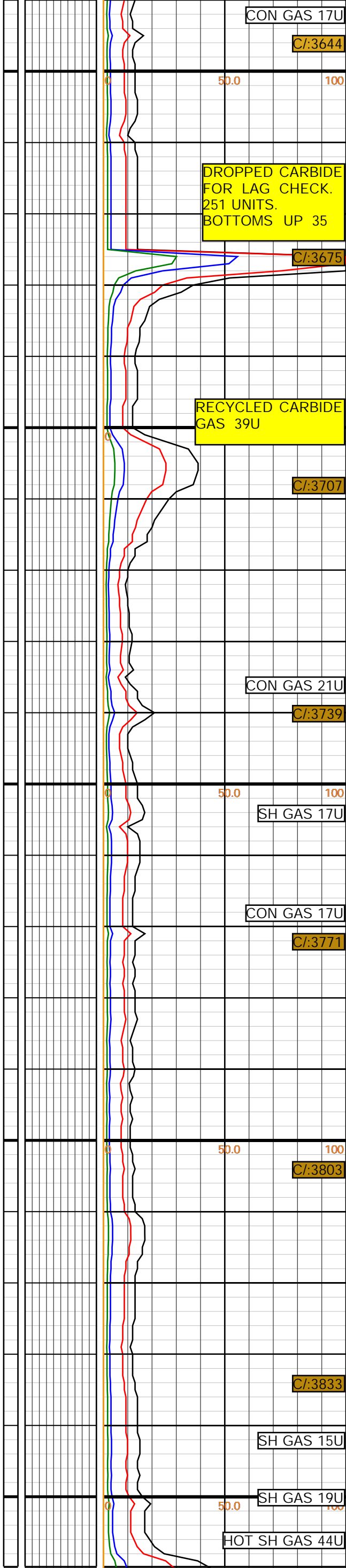
SH: LT GY-GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY AND GRADING TO SLTSN SME ELG SME ANG ABUNDANT VF MICA SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

SH: PRED LT GY-GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY AND GRADING TO SLTSN SME SCAT FREE PCS OF SS SME ELG SME ANG ABUNDANT VF MICA SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

SH: LT GY-GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY AND GRADING TO SLTSN SME ELG SME ANG ABUNDANT VF MICA SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

SH: SME LT GY-PRED GY-TRS DK GY VF-F TEX AND SM SME VF GRAN TEX AND SLTY SME ELG SME ANG SME BLKY SME CARB SCAT VF MICA SCAT VF PYR SPECS SFT-M HD SIL-SME CALC

SH: TRS LT GY-PRED GY-SME V DK GY-TR BLK VF-F TEX AND SM SME VF GRAN TEX AND SL ASHY SME SLTY SME V CARB SCAT VF PYR SPECS TRS MICA SFT-M HD SIL-SME SL CALC



CON GAS 17U  
C/:3644

DROPPED CARBIDE FOR LAG CHECK. 251 UNITS. BOTTOMS UP 35  
C/:3675

RECYCLED CARBIDE GAS 39U  
C/:3707

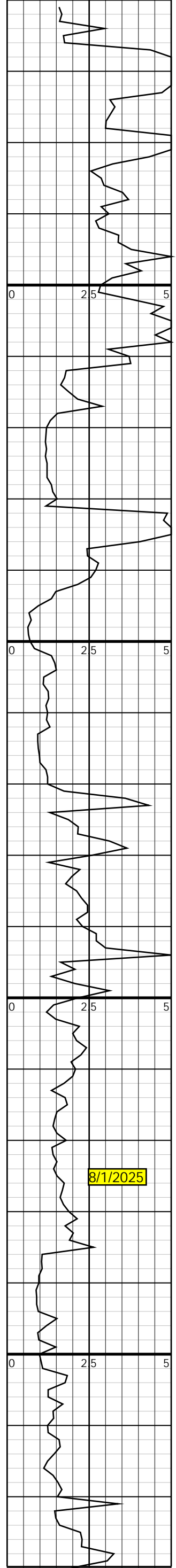
CON GAS 21U  
C/:3739

SH GAS 17U  
C/:3771

CON GAS 17U  
C/:3803

SH GAS 15U  
C/:3833

SH GAS 19U  
HOT SH GAS 44U



MD: 3866'  
SS: (-2617)

AVANT LIME  
MD: 3866'  
SS: (-2624)

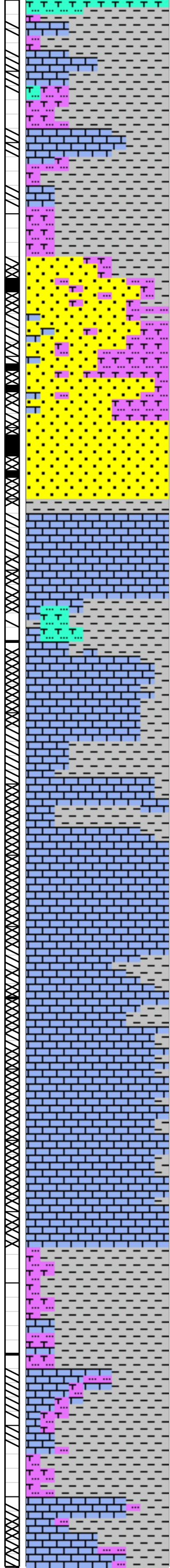
COTTAGE GROVE SS  
MD: 3896'  
SS: (-2654)

@3929' CFS

KANSAS CITY LIMESTONE  
MD: 3932'  
SS: (-2690)

DEPTH: 3961  
INC: 3.75

WOB: 12  
RPM: 100  
SPM: 56  
PP: 600



LS: SME TAN-PRED LT BRN-BRN SME MOTT SME BUFF-SUB BUFF VF-F XL-SME F CXL SME V DNS SME CLN SME SHY TR SUC TR FOS TR/SEC RECXL ON EDGES M HD-FRM VP INTXL POR TR V DULL GOLD MNRL FLOR NO CUT

SS: SME OFF WHT/WHT/PRED CLR/TRNSL/ TRC V LT BRWN, VF/F/MED GR CONSOL/ABNDT UNCONSOL, MOD/WELL SORT, PRED P/SME FAIR/WELL CMT W/SIL/ SLI CALC MTX, PRED CLN, SME SLI SHLY/SLTY, SME W/CARB SPECS, SCAT SH/SLTST, FRI, SFT/M HRD/HRD, P/FAIR/SME GOOD INTERGRN POR, NO FLUOR OR CUTS

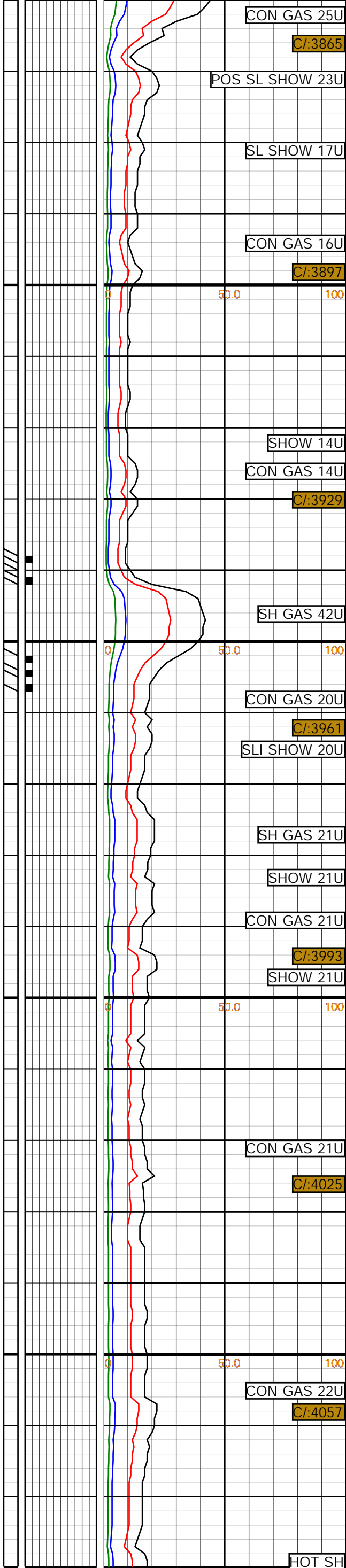
LS: OFF WHT/WHT/CRM/LT TAN/ TAN/ LT BRWN/ BRWN, VF.F XLN, VF CXLN, DNSE, SME SUB CHLKY, MSTLY CLN, SME SLI SHLY, SME SUC, SME AREN, SME CARB SHALE INCLUDED, SFT/ M HRD/ HRD, VP/P/SME FAIR INTERXLN POR, V TRC MED YEL FLUOR W/V TRC V SLI YEL CUT W/ TRC V FAINT YEL RES RING

LS: OFF WHT/WHT/CRM/LT TAN/ TAN/ LT BRWN/ BRWN, VF.F XLN, VF CXLN, DNSE, SME SUB CHLKY, MSTLY CLN, SME SLI SHLY, SME SUC, SME AREN, SME CARB SHALE INCLUDED, SFT/ M HRD/ HRD, VP/P/SME FAIR INTERXLN POR, SME DULL GOLD/YEL MINERAL FLUOR, NO CUTS

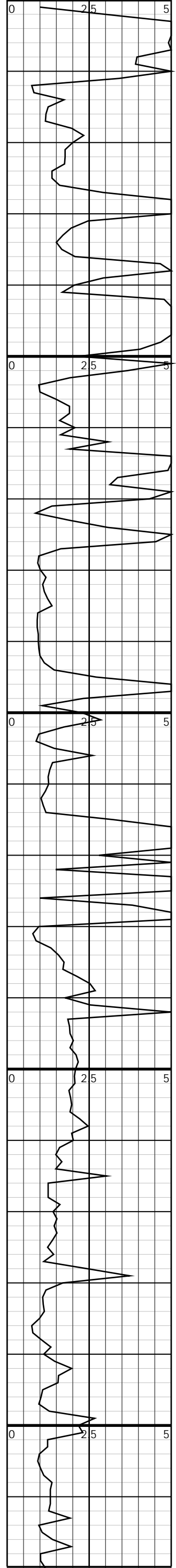
LS: OFF WHT/WHT/CRM/LT TAN/ TAN/ LT BRWN/ BRWN, VF.F XLN, VF CXLN, DNSE, SME SUB CHLKY, MSTLY CLN, SME SLI SHLY, SME SUC, SME AREN, SME CARB SHALE INCLUDED, SFT/ M HRD/ HRD, VP/P/SME FAIR INTERXLN POR, SME DULL GOLD/YEL MINERAL FLUOR, NO CUTS

SH: LT GRY/ GRY/ DRK GRY/ TRC BLK, VF/ F TEXT, SME SLTY TEXT, SME CARB, ELNG/ SUB BLKY/BLKY/ SUB PLTY/ PLTY, SME SLTST, SME LS, SCAT VF PYR SPECS, SFT/ M HRD, SIL/ CALC

SH: SME LT GRY/ GRY/ PRED DRK GRY/ BLK, VF/ F TEXT, V CARB AND ASHY, ELNG/ SUB BLKY/BLKY/ SUB PLTY/ PLTY,







BASE OF  
FT SCOTT  
HOT SHALE  
MD: 4373'  
SS: (-3131)

SH: DK GY-BLK VF-F TEX AND SM SME VF  
GRAN TEX AND ASHY SME V CARB SCAT  
VF PYR SPECS SFT-M HD SIL-SME CALC

LS: TAN-PRED LT BRN-BRN SME MOTT  
BUFF-SUB BUFF VF-F XL-F CXL DNS  
PRED CLN SME SUC SME AREN TR ARG  
SME FOS SME/SEC RECXL ON EDGES  
AND FACES SFT-M HD-FRM VP-P INTXL  
POR TR POS FRAC POR SCAT DULL  
GOLD MNRL FLOR NO CUT

SH: DK GY-BLK VF-F TEX AND SM SME VF  
GRAN TEX AND ASHY SME V CARB SCAT  
VF PYR SPECS SFT-M HD SIL-SME CALC

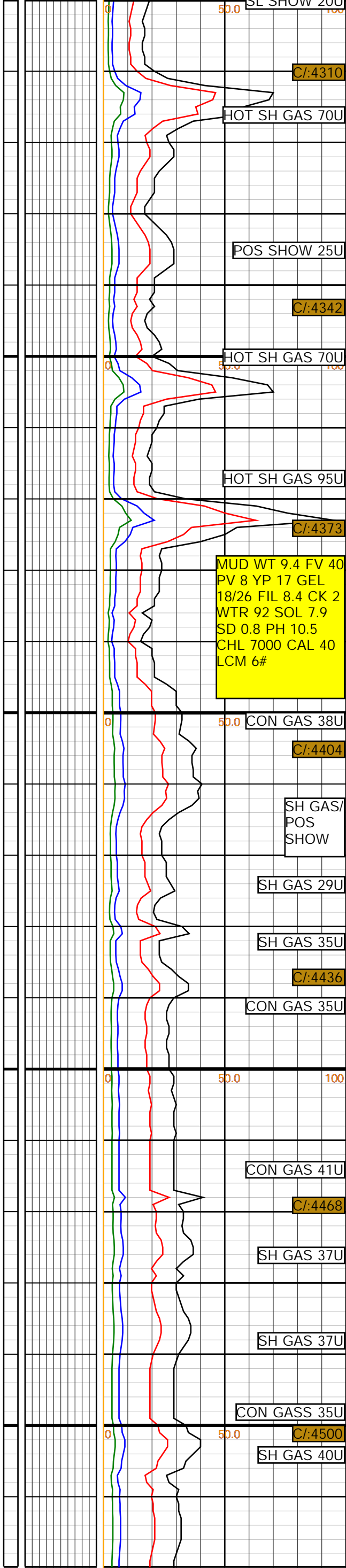
SH: LT GY-GY-SME LT GRN VF-F TEX AND  
SM SME VF GRAN TEX AND SLTY SME  
ELG SME ANG TR BLKY SME CARB SCAT  
VF PYR SPECS ABUNDANT VF MICA  
SFT-M HD SIL-SME CALC

LS: TAN-LT BRN-DK BRN SME BUFF-SME  
SUB BUFF TRS MOTT VF-F XL-F CXL DNS  
SME CLN SME SHY SME SL SUC TR AREN  
TR FOS TRS FREE PCS OF SLTSTN  
TR/QTZ ATTACHED TO EDGES TR FREE  
PCS OF SS SFT-M HD-FRM VP-P INTXL  
POR SCAT DULL GOLD MNRL FLOR NO  
CUT

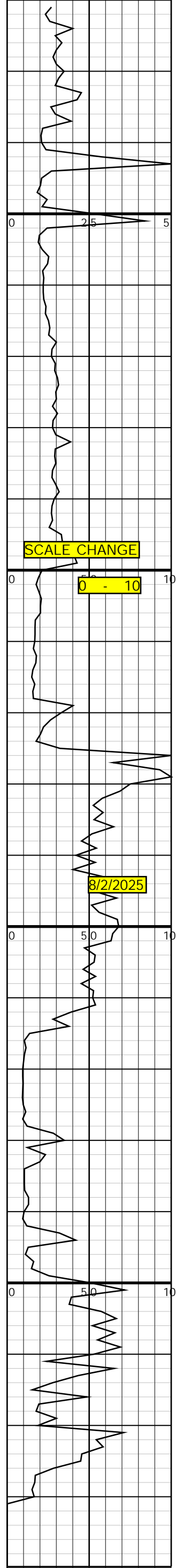
LS: LT TAN/ TAN/LT BRWN/LT GRY, SME V  
MOTT, SUB BUFF/BUFF, VF/F XLN, F  
CXLN, DNSE, SME CHLKY, SME CLN, SME  
SHLY, SLI SUC, SLI AREN, SME SLTST,  
SME SH, SFT/ M HRD/FRM, VP/P  
INTERXLN POR, SME DULL GOLD  
MINERAL FLUOR, NO CUTS

LS: LT TAN/ TAN/LT BRWN/LT GRY, SME V  
MOTT, SUB BUFF/BUFF, VF/F XLN, F  
CXLN, DNSE, SME CHLKY, SME CLN, SME  
SHLY, SLI SUC, SLI AREN, SME SLTST,  
SME SH, SFT/ M HRD/FRM, VP/P  
INTERXLN POR, SME DULL GOLD  
MINERAL FLUOR, NO CUTS

SH: LT GRT/GRY/DRK GRY/ SME BLK,



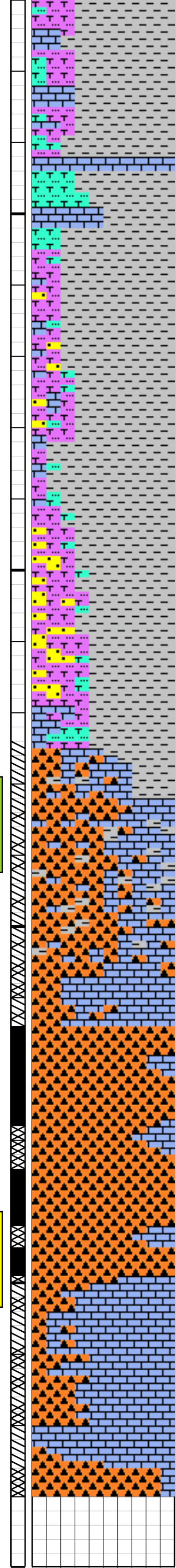
MUD WT 9.4 FV 40  
PV 8 YP 17 GEL  
18/26 FIL 8.4 CK 2  
WTR 92 SOL 7.9  
SD 0.8 PH 10.5  
CHL 7000 CAL 40  
LCM 6#



4550  
4600  
4650  
4700

MISS.  
CHAT  
MD: 4632'  
SS: (-3390)

WOB:8  
RPM:110  
SPM:56  
PP:650



VF/F TEXT, SME SLTY TEXT, SME CARB AND ASHY, ELNG/SUB BLKY/ BLKY/ PLTY, SME SLTST, SME LS, SCAT VF PYR SPECS, SFT/M HRD, SIL/ CALC

SH: LT GRT/GRY/DRK GRY/ BLK, VF/F TEXT, SME SLTY TEXT, SME V CARB AND V ASHY, ELNG/SUB BLKY/ BLKY/ PLTY/ SUB PLTY, SME SLTST, SME LS, SME SCAT SS, SCAT VF PYR SPECS, SFT/M HRD, SIL/ CALC

SH: LT GRT/GRY/DRK GRY/ SME BLK, VF/F TEXT, SME SLTY TEXT, SME CARB AND ASHY, ELNG/SUB BLKY/ BLKY/ PLTY, SME SLTST, SME LS, SCAT VF PYR SPECS, SFT/M HRD, SIL/ CALC

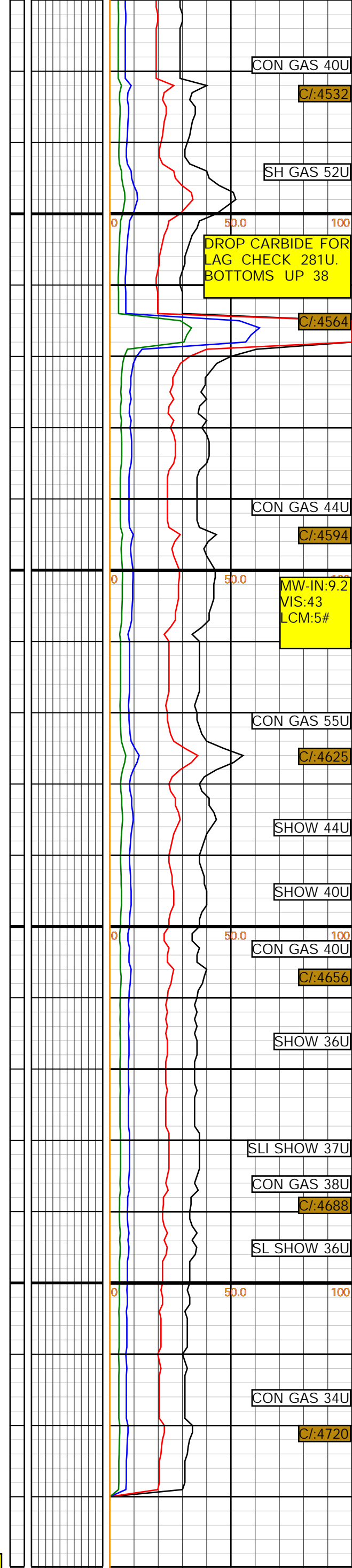
SH: LT GRT/GRY/DRK GRY/ SME BLK, VF/F TEXT, SME SLTY TEXT, SME CARB AND ASHY, ELNG/SUB BLKY/ BLKY/ PLTY, SME SLTST, SME LS, SCAT VF PYR SPECS, SFT/M HRD, SIL/ CALC

LS: OFF HWT/CRM/LT TAN/ TAN/ LT BRWN/SME LT GRY, SME MOTT, VF XLN, F CXLN, DNSE, ,TRC SLI CHLKY, SME CLN, SME SLI SHLY, SME V CHRT, ABNDT AMNTS OF FREE FRESH CHRT, VP/P INTERXLN POR, SME DULL GOLD MINERAL FLUOR NO CUTS

CHRT: CLR/ TRNSL/OPAQUE/SMOKY, LITHO XLN/ VF CXLN, DNSE, PRED CLN, SME LMY, FRESH CHRT, HRD/ V HRD, FAIR/GOOD INTERXLN POR, NO FLUOR OR CUTS

LS: OFF WH-TAN-LT BRN-BRN SME MOTT SME SUB BUFF VF-F XL-F CXL TRS VF CHLKY TEX PRED DNS SME CLN SME SUC SL AREN SL ARG ABUNDANT CHRT SFT-M HD-FRM VP-P INTXL POR TR DULL GOLD MNRL FLOR NO CUT

CHRT: WH-PRED CRM-TRS V PALE GRN BUFF LITHO XL DNS PRED CLN SCAT LS HD-FRM FR FRAC POR NO VIS FLOR NO CUT



CON GAS 40U

C/:4532

SH GAS 52U

DROP CARBIDE FOR LAG CHECK 281U. BOTTOMS UP 38

C/:4564

CON GAS 44U

C/:4594

MW-IN:9.2  
VIS:43  
LCM:5#

CON GAS 55U

C/:4625

SHOW 44U

SHOW 40U

CON GAS 40U

C/:4656

SHOW 36U

SLI SHOW 37U

CON GAS 38U

C/:4688

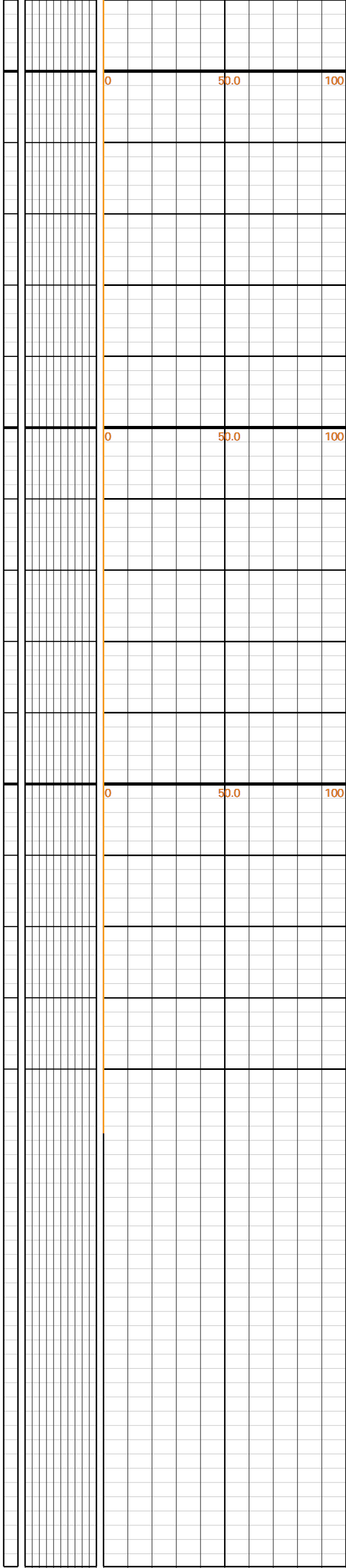
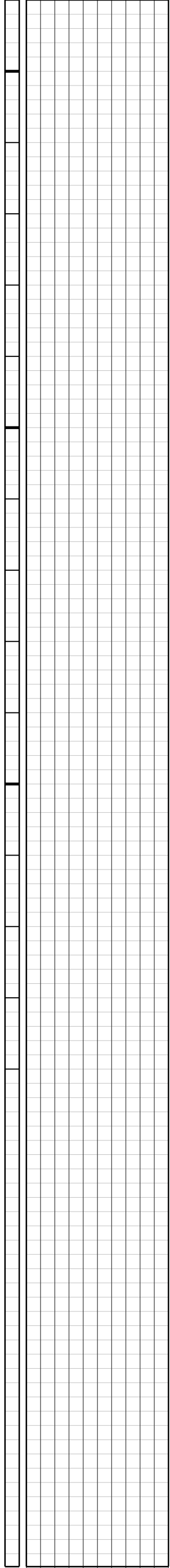
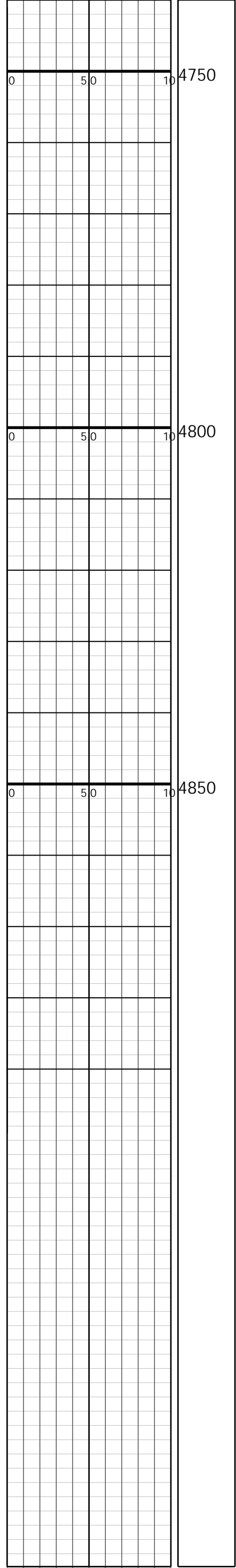
SL SHOW 36U

CON GAS 34U

C/:4720

TD WELL AT 4730'. CIRCULATE BOTTOMS

UP. MAKE A SHORT TRIP UP PAST THE TONKAWA SAND. TRIP BACK TO BOTTOM AND CIRCULATE FOR LOGS. BOTTOMS UP GAS 35U. RUN 'E' LOGS TO 4729'. TRAILER RELEASED ON 8/2/25. THANKS FOR USING GEOSITE.



DRILLRATE

DEPTH

NOTES

P

LITHOLOGY

DESCRIPTIONS

C

FLUOR

HOT WIRE

O

U

C1

R

T

C2

O

C3

S

I

T

Y



CHERT

COAL

DOLOMITE

LIME

SAND

SHALE

SILTSTONE

HOT SHALE

# Mudlogging Definitions

AZI	Azimuth	BB	Blow Back
BG	Background Gas	BHA	Bottom Hole Assembly or Lateral Assembly
BP	By Pass	C	Connection
C/O	Change Out	CAL	Calibration
CALC	Calculated	CG	Connection Gas
CHK	Check	CHK FL	Check Flow (requires + or -; + means flow, - no flow)
CHL	Chloride	CHNG	Change
CO	Circulate Out	CONN	Connection
CS	Cutting Size	CSG	Casing
DC	Drill Collar	DEN	Density
Dir TLS	Directional Tools	DISPL	Displace
DP	Drill Pipe	DRLG	Drilling
DST	Drill Stem Test	DT	Down Time
DTG	Down Time Gas	DVS	Deviation Survey or Directional Survey
DVSG	Deviation Survey Gas or Survey Gas	ECD	Equivalent Circulating Density
ELEC.	Electrical	EMW	Equivalent Mud Weight
FC	Flow Check (requires + or -; + means flow, - no flow)	FIL	Filtrate
FIT	Formation Integrity Test	GB	Gas Buster
GC	Gas Chromatograph	GR	Gamma Ray
HCL	Hydrochloric Acid	ICP	Intermediate Casing Point
INC	Inclination or angle	KB	Kelly Bushing
LAT	Log After Trip	LOT	Leak Off Test
LWD	Logging While Drilling	MD	Measured Depth
MM	Mud Motor	MON	Monitor
MWD	Measurement While Drilling	MWT	Mud Weight
NB	New Bit	NCB	New Core Bit
NR	No Returns or Lost Returns	OBM	Oil Base Mud
PDC	Polycrystalline Diamond Compact	PH	Potential Hydrogen
PP	Pump Pressure	PPM	Parts Per Million
PWR	Power	R	Rotate
Rig Ser.	Rig Service	ROP	Rate Of Penetration
RPL	Replace	RPM	Revolutions Per Minute
RRB	Re-Run Bit	S	Slide
SCP	Surface Casing Point	SCRN	Screen
SHKR	Shaker	SPM	Strokes Per Minute
SPR	Slow Pump Rate	STP	Short Trip or Wiper Trip
STPG	Short Trip Gas or Wiper Trip Gas	SVY	Survey
SVYG	survey Gas	SWP	Sweep
SYS	System	TD	Total Depth
TFNB	Trip for New Bit	TG	Total Gas
THA	Total Hydrocarbon Analyzer	TIH	Trip In Hole
TOH	Trip Out of Hole	TP	Trip
TPG	Trip Gas	TRANS	Transfer
TVD	True Vertical Depth	VIS	Viscosity
VS	Vertical Section	Vsec	Vertical Section
W/	With	WOB	Weight On Bit
WT	Mud Weight		



**HURRICANE SERVICES INC**

71176- Cement P15

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

Customer:

UNION VALLEY PETROLEUM CORP  
5302 N US HWY 81  
ENID, OK 73701-6932

Invoice Date: 8/3/2025  
Invoice #: 0385485  
Lease Name: Ruth Ann  
Well #: 1-6  
County: Sumner, Ks  
Job Number: EP18383  
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Plug to Abandon	0.000	0.000	0.00
Depth Charge 2001'-3000'	1.000	3,000.000	3,000.00
Heavy Equipment Mileage	130.000	4.000	520.00
Light Eq Mileage	130.000	2.000	260.00
Cement Pozmix 60/40	180.000	16.000	2,880.00
Bentonite Gel	600.000	0.450	270.00
Service Supervisor	1.000	275.000	275.00
Ton Mileage	1,006.200	1.500	1,509.30

PAID 1074  
9-11-25  
ENTERED  
9-1-25

Net Invoice 8,714.30  
Sales Tax: 540.17  
**Total** 9,254.47

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**







**HURRICANE SERVICES INC**

Remit To: Hurricane Services, Inc.  
250 N. Water, Suite 200  
Wichita, KS 67202  
316-303-9515

*71130- Surface  
Cement*

Customer:  
UNION VALLEY PETROLEUM CORP  
5302 N US HWY 81  
ENID, OK 73701-6932

Invoice Date: 7/24/2025  
Invoice #: 0385155  
Lease Name: Ruth Ann  
Well #: 1-6 (New)  
County: Sumner, Ks  
Job Number: EP18207  
District: Bartlesville

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Class A	260.000	20.000	5,200.00
Calcium Chloride	750.000	0.750	562.50
Pheno Seal	120.000	1.750	210.00
Bentonite Gel	500.000	0.450	225.00
Heavy Equipment Mileage	120.000	4.000	480.00
Light Equipment Mileage	120.000	2.000	240.00
Ton Mileage	1,466.000	1.500	2,199.00
Cement Pump Service	1.000	900.000	900.00
Cement Plug Container	1.000	250.000	250.00
Wooden plug 8 5/8"	1.000	150.000	150.00
8 5/8" Centralizer x 12 1/4"	1.000	90.000	90.00

**PAID**  
19653

*8-11-25*



**ENTERED**  
8-11-25

Net Invoice	10,506.50
Sales Tax:	251.06
<b>Total</b>	<b>10,757.56</b>

**TERMS:** Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**



Customer	UNION VALLEY PETROLEUM CORP	Lease & Well #	RUTH ANN 1-6	Date	7/24/2025
Service District	BARTLESVILLE OK	County & State	SUMNER KS	Legals S/T/R	
Job Type	SURF	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
Equipment #	Driver	New Well?		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No
				Ticket # EP18207	

**Job Safety Analysis - A Discussion of Hazards & Safety Procedures**

<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
<input type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

**Comments**

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CP010	Class A Cement	sack	260.00	\$5,200.00
CP100	Calcium Chloride	lb	750.00	\$562.50
CP125	Pheno Seal	lb	120.00	\$210.00
CP095	Bentonite Gel	lb	500.00	\$225.00
M010	Heavy Equipment Mileage	mi	120.00	\$480.00
M015	Light Equipment Mileage	mi	120.00	\$240.00
M020	Ton Mileage	tn	1,466.00	\$2,199.00
C011	Cement Pump Service	ea	1.00	\$900.00
C050	Cement Plug Container	job	1.00	\$250.00
FE290	8 5/8" Wooden Plug	ea	1.00	\$150.00
FE250	8 5/8" Centralizer	ea	1.00	\$90.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

1  2  3  4  5  6  7  8  9  10

Unlikely Extremely Likely

Total Taxable	\$ -	Tax Rate:		Net:	\$10,506.50
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.				Sale Tax:	\$ -
HSI Representative: <i>[Signature]</i>				Total:	\$ 10,506.50

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**

