

*MUD AND CUTTINGS ANALYSIS REPORT*

*FOR*

*TEXAS OIL & GAS CORPORATION  
STEWART A NO. 2 WELL  
SUMNER COUNTY, KANSAS*

*32-32-3W*

CORE LABORATORIES, INC.



August 6, 1981.

Texas Oil & Gas Corporation  
200 W. Douglas  
Suite 300  
Wichita, Kansas 67202

Attn: Mr. Hal Brown

Subject: Mud and Cuttings Analysis  
Stewart A No. 2 Well  
Sumner County, Kansas  
CLI File 3534-244

Gentlemen:

A mobile laboratory of Core Laboratories, Inc. was present on the subject well during drilling operations of the interval from 800 to 3,150 feet.

One man was assigned to the unit for collection and analysis of the lithological characteristics of the drilling cuttings and to evaluate the continuous monitoring of gas in the drilling fluid. These data along with penetration rate, drilling fluid properties, and rock-bit tenure are presented on the accompanying grapholog.

We are pleased to have this opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

*Cortez L. Mays*

Cortez L. Mays  
Central District Manager

CLM/ts

DISTRIBUTION OF FINAL REPORT -

TEXAS OIL & GAS CORPORATION  
Stewart A No. 2 Well  
Sumner County, Kansas  
CLI File 3534-244

- 4 cc - TEXAS OIL & GAS CORPORATION  
Attn: Mr. Hal Brown  
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Suite 300  
Wichita, Kansas 67202
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2150 Fidelity Union Tower  
Dallas, Texas 75201
- 1 cc - KANSAS GEOLOGICAL SURVEY  
4150 Monroe Street  
Wichita, Kansas 67209



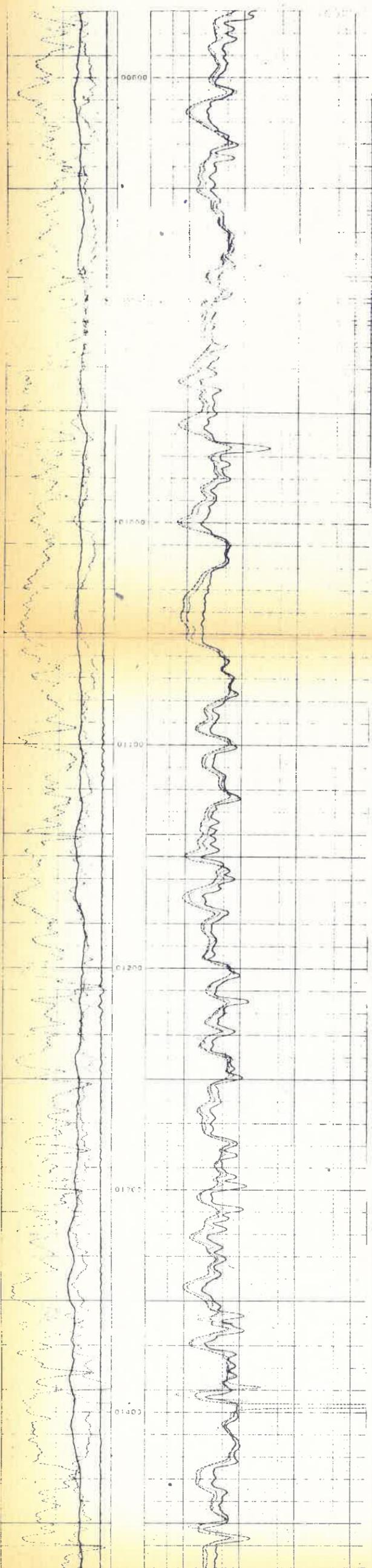
CORP LABORATORIES, INC.

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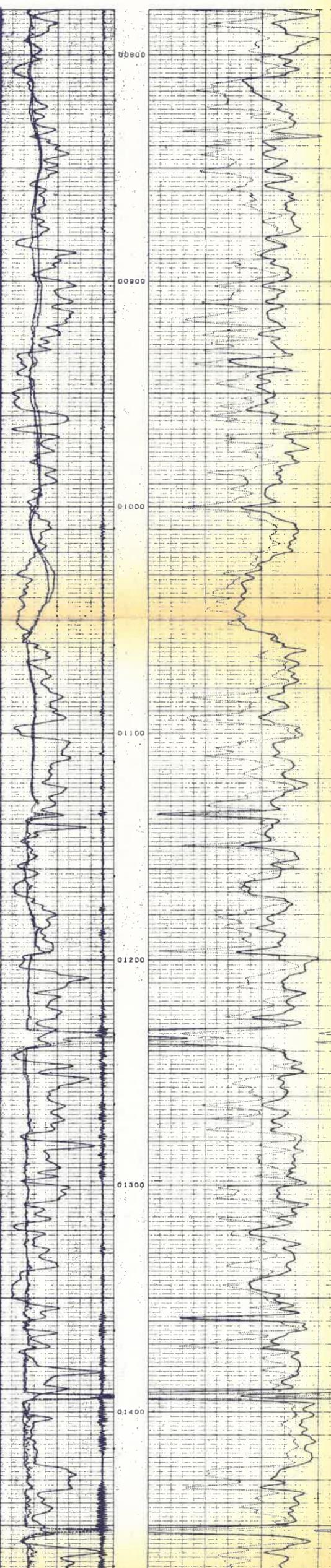
Scale: 1/2" = 100' (Vertical)  
Scale: 1" = 100' (Horizontal)  
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Scale: 1" = 100' (Horizontal)

LEGEND table with columns for SYMBOLS, ABBREVIATIONS, and COMMENTS. Includes symbols for various soil types and test results.

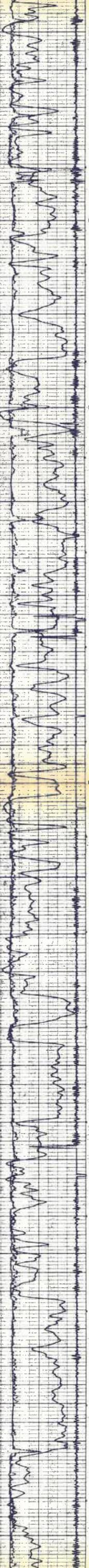
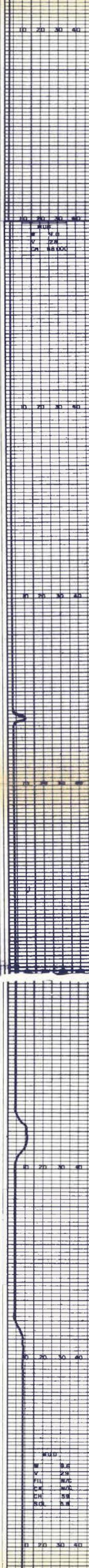
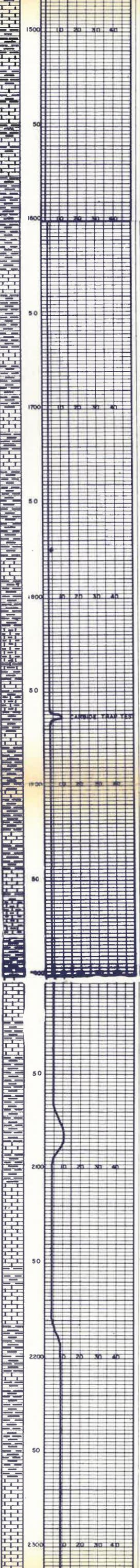
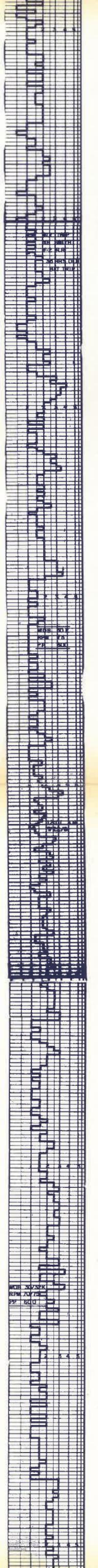
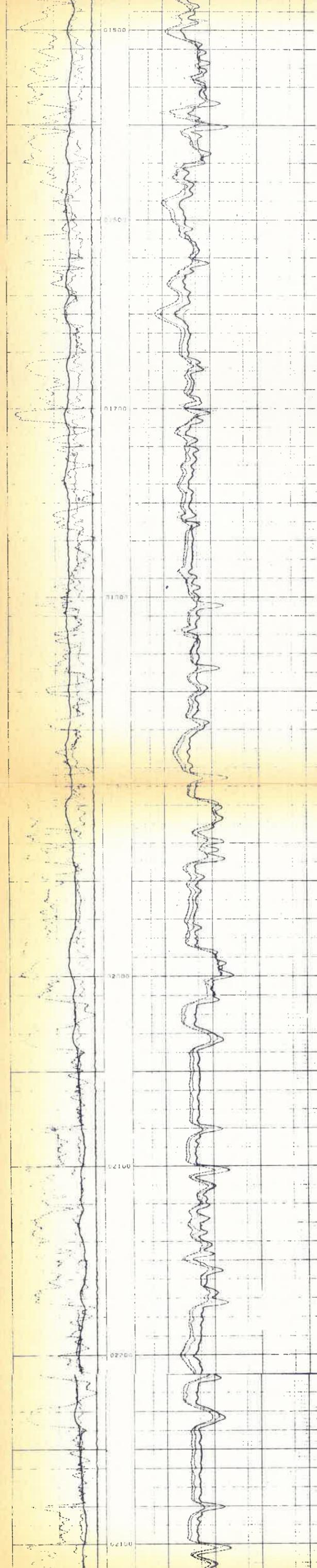
HYDROLOGICAL ANALYSIS table with columns for DATE, TIME, LOCATION, and REMARKS. Includes data for well depth, water level, and other hydrological parameters.



Main stratigraphic log table with columns for depth (0 to 1400), lithology descriptions, and test results. Includes detailed soil descriptions such as 'LS: GY, SILTY, CARB, MICA, SPT' and 'SH: GY, SILTY, CARB, MICA, GRTY, CALC, SPT'.



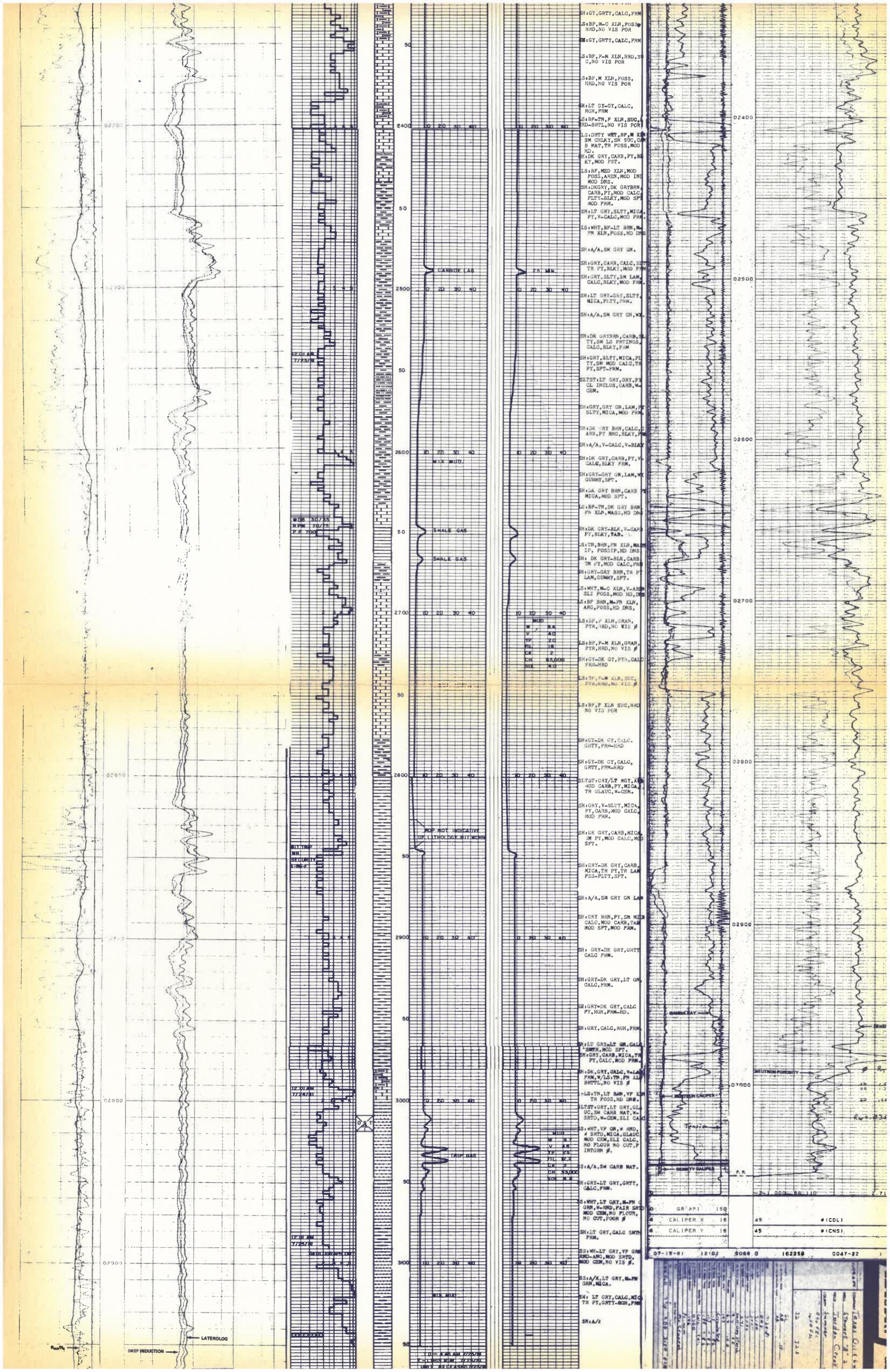
State Geological Survey  
WICHITA BRANCH



S:BP,M XLN,POSS,HRD,NO VIS POR  
 SH:LT GY-GRN,CALC,FRM  
 S:BP-WH,M XLN,HRD,NO VIS POR  
 SH:GY-DK GY,CALC,FRM  
 S:BP,M-C XLN,POSS,HRD,NO VIS POR  
 SH:AS ABOVE  
 S:BP,M XLN,POSS,HRD,NO VIS POR  
 SH:LT,CALC,FRM  
 S:BP-WH,M XLN,POSS,HRD,NO VIS POR  
 SH:GY,CALC,FRM  
 S:BP,M XLN,POSS,HRD,NO VIS POR  
 SH:GY-DK GY,CALC,FRM  
 SH:DK GY,CALC,FRM  
 SH:GRY,GRY GN,MOD CON  
 MICA,SLI,CALC,SPT  
 SH:GRY,DK GRY, CARB,MOD CALC,SLTY,BLKY,MOD SPT.  
 S:WHT-LT TN,PN XLN,GEN CLN,MASS,POSS,HD DNS.  
 SH:LT GRY,SM GRY GN,MICA,CARB IP,FSS,SPT  
 SH:GRY-DK GRY,CARB,MICA,SM SLI,CALC,SPT-PLAS.  
 SH: A/A SLTY,IP.  
 S:LT TN-BP,PN XLN,MASS,FOSSARG IP,HD  
 SH:GRY,CARB,V-CALC,MICA,TR PY,BLKY,FRM  
 SH: GRY,MICA,WX,PLTY,FSS,MOD SPT.  
 S:DRY WHT,BF,M-PN XLN,POSS,SM CARB MAT,MOD HD,TR SUC#  
 SH: LT ROY-GRY,SLTY,MICA,CARB,MOD CALC,SPT.  
 S:BP,LT BRN,PN XLN,GEN MASS,TR POSS,HD DNS.  
 SH:DK GRY,CARB,SLTY,MICA,PY,SMCALC,SPT  
 SH:A/A,GRY,PLAS.  
 SH: LT GRY,GRY GN,WX LAM,SPT.  
 SH:GRY, DK GRY,CARB,ROH-SLTY,MICA,SPT.  
 SH: GRY-LT GRYBRN,V-CALC,MICA,ROH,BLKY,MOD FRM  
 S:BP-TN M-PN XLN,POSS,HD ,DNS.  
 SH:LT GRY GN,SM GRY,TR PY,SM CALC,SPT  
 SH: DK GRY,CARB,LAM,SLTY,MICA,TR PY,SPT  
 SH: GRY-GRY BRN,SLTY,V-CALC,MICA,FLTY  
 SH:A/A,W/LS:GRY BRN,NOT M XLN,POSS,MOD IND,MOD DNS.  
 SH:GRY,SLTY,CALC,CA,MICA,MOD SPT  
 S:WHT,BF,M-PN XLN,POSS,CARB MAT,HD HD  
 SH:A/A,SM PY,W/LS:A  
 SH: GRY,CARB,V-CALC,POSS CONG,MICA,PY,MOD SPT.  
 S:WHT-LT ROY,BRN M XLN,POSS,CARB,IND,DNS.  
 SH:GRY,SLTY,CARB,HI PY,MOD CALC,ROH,SPT.  
 S:TN-BP,C XLN,POSS,OOO,HRD,NO VIS #  
 SH:LT GY-LT GRN,CALC,GRY,FRM  
 S:TN,M-P XLN,HRD,NO VIS POR  
 SH:LT GY-LT GRN,CALC,GRY,FRM  
 S:WH,F XLN,HRD,NO VIS POR  
 SH:GY,CALC,FRM  
 S:BP-TN,M XLN,HRD,NO VIS POR  
 SH:GY,CALC,FRM,TR SLTY,GT,GRY,FRM  
 SH:GY-DK GY,CALC,FRM

S:TN,BF,LT BRN,NOT M-PN XLN,POSS,CARB HD BRITL.  
 S:TN-LT BRN,PN XLN,GEN MASS,TR POSS,DNS.  
 SH:DK GRY,GRY BRN,MICA,CARB,PSS-SPT  
 S:CRMY,WHT,BF,M XLN,POSS,CARBARG,MOD  
 SH:LT GRY,LT GRY GN,MICA,WX,CALC,LAM,SLTY IP,MOD SPT.  
 SH:LT GRY,MICA,PY,SLTY,CALC,SPT.  
 SH:A/A,DK GRY GUMMY  
 SH:DK GRY,PY,CARB,MICA,SLTY,ROH,SPT  
 S:LT BRN,BRN,MOT,PH HD BRITL DNS.  
 SH: A/A CALC.  
 SH:GRY-DK GRY,CARB,MICA,CALC,LAM IP,MOD SPT,MOD FRM.  
 S:BP-TN,LT BRN,NOT M XLN,POSS,MOD HD BRITL,DNS.  
 S:DRY LT GRY,PN XLN,ARGSM POSS,HD DNS.  
 S:WHT,BF,M XLN,POSS,SM SUC,CARB MAT,HD,TR SUC #  
 SH:GRY,CALC,CARB,SMY,PRM,W/LS:DRY LT GRY,M-PN XLN,CARB,SHLY IP,POSS,HD.  
 S:WHT,BF,POSS IP,MASSIP,HD,DNS.  
 S: A/A,SM ARG.  
 SH: GRY,DK GRY,CARB,MICA,TR CL INCLUS,LAM,SLI,CALC,SPT.  
 SH:A/A,TAB WX.  
 S:BP,M-C XLN,OOO,POSS,HRD,NO VIS #  
 SH:GY,GRY,CALC,FRM  
 SH:GY,GRY,CALC,SPT  
 SH:GY,GRY,CALC,SPT  
 SH:GY,GRY,CALC,SPT,TR SLTY,GT,GRY,HRD  
 S:BP,C XLN,OOO,POSS,HRD,NO VIS POR  
 S:WH-BF,M-C XLN,POSS,OOO,HRD,GRY IP,NO VIS POR  
 S:WH,F XLN,HRD,NO VIS POR

MUD  
 W M.C  
 V 29  
 FIL M/C  
 CK M/C  
 CH 33  
 SG 2.5



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CARRIDE LAG

WICK MUD

SWALE GAS

SWALE GAS

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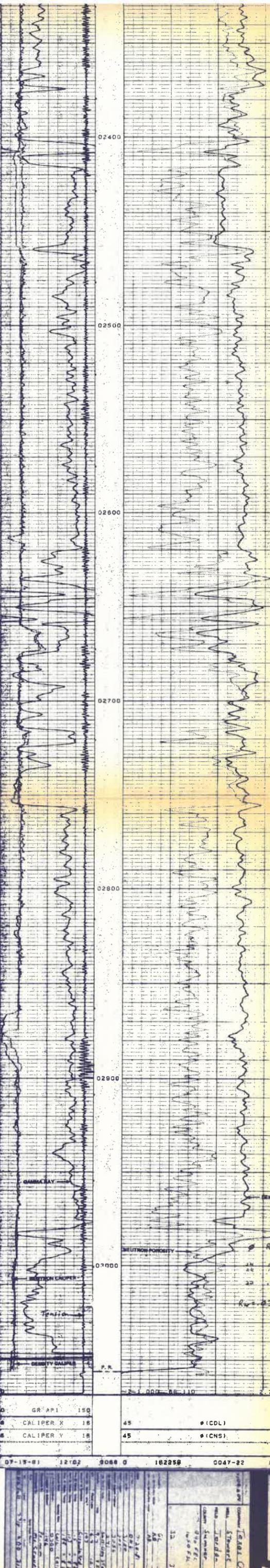
2900

TRIP LAG

3000

MEM	10	20	30	40
W	2	2	2	2
V	2	2	2	2
TP	2	2	2	2
DL	2	2	2	2
CK	2	2	2	2
SIX	2	2	2	2

SH:GY,GRTY,CALC,FRM  
S:BP,M-C XIN,POSS,HRD,NO VIS POR  
SH:GY,GRTY,CALC,FRM  
S:BP,F-M XIN,HRD,NO VIS POR  
S:BP,M XIN,POSS,HRD,NO VIS POR  
SH:LT GY-GY,CALC,ROH,FRM  
S:BP-TN,F XIN,SUC,RD-SRCL,NO VIS POR  
LS:DRY WHT,RP,M XIN,SM CHLKY,SM SUC,SM B MAT,TR POSS,MOD HD  
SH:DK GRY,CARB,PY,RY,MOD SPT  
LS:BP,MOD XIN,MOD POSS,AREM,MOD IND,MOD DNS  
SH:DKGRY,DK GRYBRN,CARB,PY,MOD CALC,PLY-BLKY,MOD SPT,MOD FRM  
SH:LT GRY,SLTY,MICA,PY,V-CALC,MOD FRM  
LS:WHT,RP-LT BRN,M-FN XIN,POSS,HD DNS  
SH:A/A,SM GRY GN  
SH:GRY,CARB,CALC,SPT,TR PY,BLKY,MOD FRM  
SH:GRY,SLTY,SM LAM,CALC,BLKY,MOD FRM  
SH:LT GRY-GRY,SLTY,MICA,PLY,FRM  
SH:A/A,SM GRY GN,MOD  
SH:DK GRYBRN,CARB,SLTY,SM LS SPRINGS,CALC,BLKY,FRM  
SH:GRY,SLTY,MICA,PLY,SM MOD CALC,TR PY,SPT-FRM  
SLTST:LT GRY,GRY,PY,CL INCLUS,CARB,W-CEM  
SH:GRY,GRY GN,LAM,PLY,SLTY,MICA,MOD FRM  
SH:DK GRY BRN,CALC,ARB,PY,RHC,BLKY,FRM  
SH:A/A,V-CALC,V-BLKY  
SH:DK GRY,CARB,PLY,V-CALC,BLKY,FRM  
SH:GRY-GRY GN,LAM,W-GUMMY,SPT  
SH:DK GRY BRN,CARB,MICA,MOD SPT  
LS:BP-TN,DK GRY BRN,FR XIN,MASS,HD DNS  
SH:DK GRY-BLKY-V-CARB,PLY,BLKY,TAN  
S:TH,BRN,FR XIN,MASS,IP,POSSIP,ND DNS  
SH:DK GRY-BLKY,CARB,SM PY,MOD CALC,FRM  
SH:GRY-GRY BRN,TR PY,LAM,GUMMY,SPT  
S:WHT,M-C XIN,V-AREM,SLTY,POSS,MOD HD,MOD DNS  
S:BP,BRN,M-FN XIN,ARG,POSS,HD DNS  
LS:BP,F XIN,GRAN,PYR,TRD,NO VIS #  
LS:BP,F-M XIN,GRAN,PYR,HRD,NO VIS #  
SH:GY=DK GY,PYR,CALC,FRM-HRD  
LS:BP,F-M XIN,SUC,FRM,HRD,NO VIS #  
LS:BP,F XIN,SUC,HRD,NO VIS POR  
SH:GY=DK GY,CALC,GRTY,FRM-HRD  
SH:GY=DK GY,CALC,GRTY,FRM-HRD  
SLTSP:GRY/LT ROY,MOD CARB,PY,MICA,TR GLAUC,W-CEM  
SH:GRY,V-SLTY,MICA,PY,CARB,MOD CALC,MOD FRM  
SH:DK GRY,CARB,MICA,SM PY,MOD CALC,MOD SPT  
SH:GRY=DK GRY,CARB,MICA,TR PY,TR LAM,POSS-PLY,SPT  
SH:A/A,SM GRY GN LAM  
SH:GRY BRN,PY,SM MICA,CALC,MOD CARB,TAN,MOD SPT,MOD FRM  
SH:GRY=DK GRY,GRTY,CALC,FRM  
SH:GRY=DK GRY,LT GN,CALC,FRM  
SH:GRY=DK GRY,CALC,PY,ROH,FRM-HD  
SH:GRY,CALC,ROH,FRM  
SH:LT GRY-LT GN,CALC,SMTH,MOD SPT  
SH:GRY,CARB,MICA,TR PY,CALC,MOD FRM  
SH:DK GRY,CALC,V-LAM,FRM,W/LS:TR,FR XL,SRCL,NO VIS #  
LS:STN,LT BRN,VF XIN,TR POSS,HD DNS  
SLTST:GRY,LT GRY,GLAUC,SM CARB MAT,W-SRSD,W-CEM,SLTY,CALC  
S:WHT,VF GN,W-RND,#SRSD,MICA,GLAUC,MOD CEM,SLTY,CALC,NO FLOUR,NO CUT,F INTURN #  
SH:A/A,SM CARB MAT  
SH:GRY-LT GRY,GRTY,CALC,FRM  
S:WHT,LT GRY,M-FN GN,W-RND,PAIR SRSD,MOD CEM,NO FLOUR,NO CUT,POOR #  
SH:LT GRY,CALC,SMTH,FRM  
SS:W-LT GRY,VF GRN,HRD-ANG,MOD SRSD,MOD CEM,NO VIS #  
SS:A/A,LT GRY,M-FN GRN,MICA  
SH:LT GRY,CALC,MOD TR PY,GRTY-BON,FRM  
SH:A/A



GR API	150	45	• (CDL)
CALIPER X	18	45	• (CNS)
CALIPER Y	18	45	• (CNS)

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LATEROLOG  
DEEP INDUCTION

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General  
Teresa Orlita  
5700  
Tardis Creek  
12 01 18

