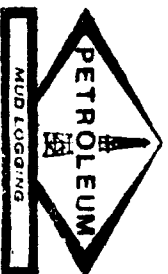


PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO 10-17-92 TO

ELEVATION
NE-NEW BIT
DCD-DIAMOND CORE BIT
NE-NO RETURN
CO-CIRCULATED CUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
@ MINUTE @ FT/HR

DEPTH & LITHOLOGY
LEACHED UNITS
TO 300 FT

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

COMPANY CHEVRON USA, INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY-YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE
BANDY SHALE
+ + + + + GRANITE
A A A A A GRANITE WASH
SAND
LIMESTONE
DOLOMITE
SHALE
CHERT
ANHYDRITE
COAL

SH-M GY-RED, M T X T,
PRED V CALC.

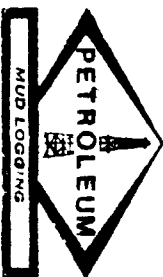
START TWO MAN LOGGING
7:00 PM, 10-17-92 DRILLING
W/ BIT NO. 1 S 865' IN AT 1975
DEV 1/4" AT 2988, LAG 27 MIN
WOB: 45
RPM: 90
PP: 1400
PS: 60

LS-WHT-OFFWHT, VF-F
XLN, PRED CHLKY,
FOSS I/P NO V SHW,
MNRL FL, CHRT-TN,
BRN, TR ORG FLDS.

LS-GY, F XLN, ARG.

LS-WHT-CRM, F-VF XLN,
CHLKY I/P V OOLTC
I/P TR OLM LDC Ø,
NO V SHW.

PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NE-NEW BIT
DCB-DIAMOND CORE BIT
NR-NO RETURNS
CO-CIRCULATED OUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
☒ MINUTE ☐ PER MIN

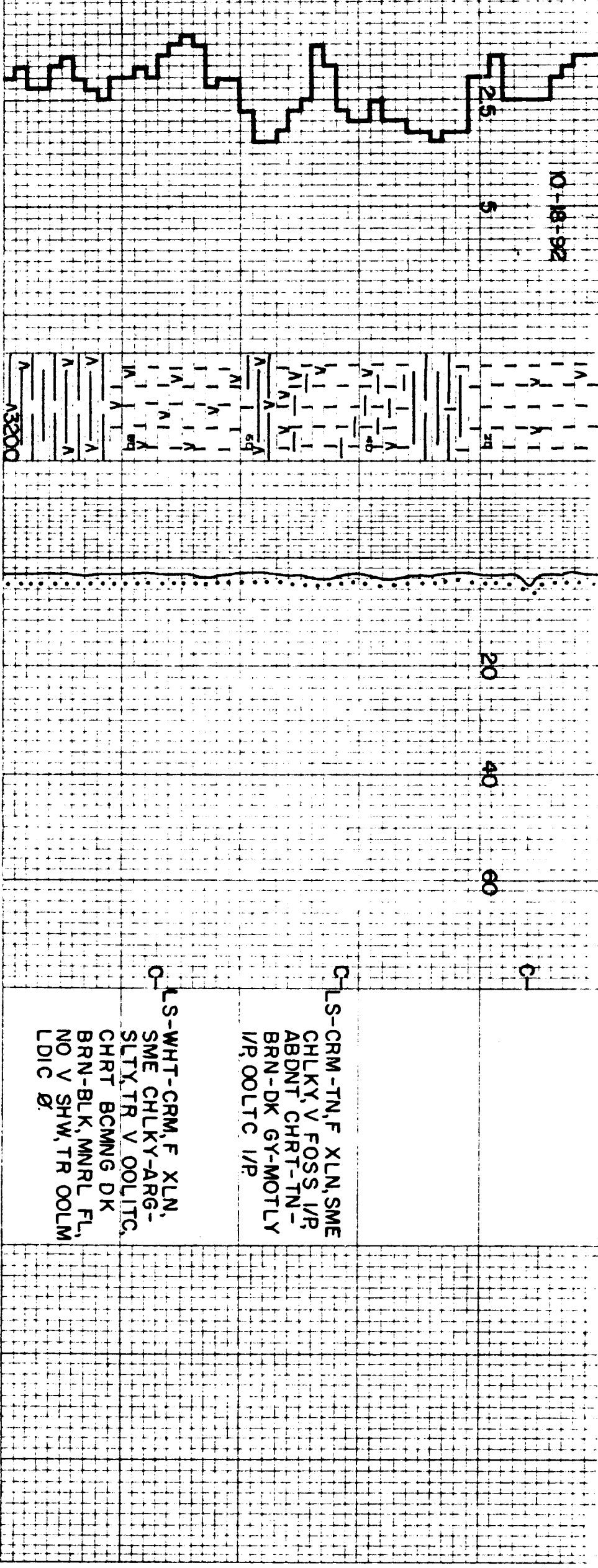
DEPTH
&
LITHOLOGY
LEACHED
UNITS
%
OIL
%
FLUOR

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR.....

REMARKS

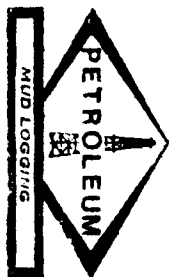
COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCHEAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE
SAND
A A A A A CHERT
SANDY SHALE
LIMESTONE
V V V V V ANHYDRITE
++ ++ GRANITE
DOLOMITE
COAL
A A A A GRANITE WASH
SHALE



PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



COMPANY CHEVRON USA, INC.

WELL ANDERSON NO.1-28

FIELD AMAZON DITCH EAST

COUNTY FINNEY STATE KANSAS

LOCATION SEC 28-22S-34W

SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION NR-NO RETURNS
NR-NEW BIT CO-CIRCULATED OUT
DCB-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

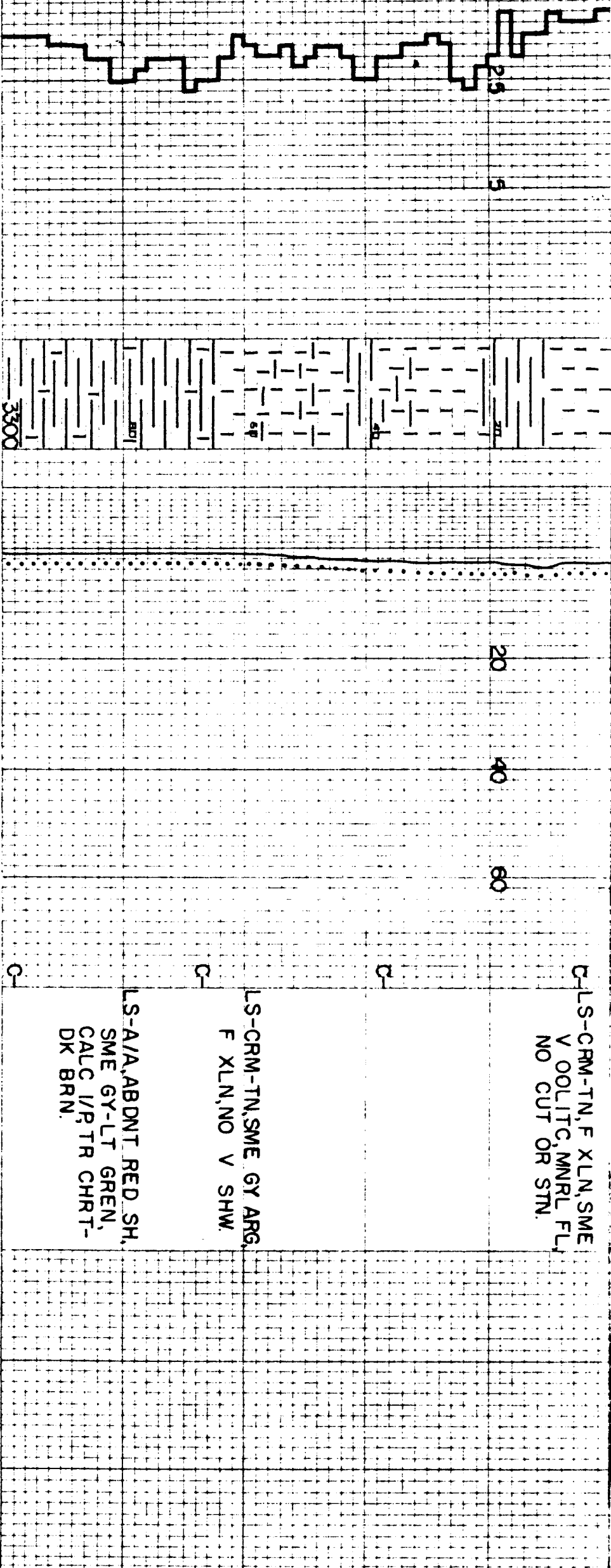
DRILLING RATE
G MINUTE FPM

DEPTH & LITHOLOGY
LEACHED UNITS
% LOSS

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

LEGEND
XXXXX CONGLOMERATE
BANDY SHALE
+++++ GRANITE
AAAAA CHERT
V V V V ANHYDRITE
DOLOMITE
SHALES
COAL



PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION NR-NO RETURNS
NR-NEW BIT CO-CIRCULATED OUT
DCS-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
MINUTE PER FOOT

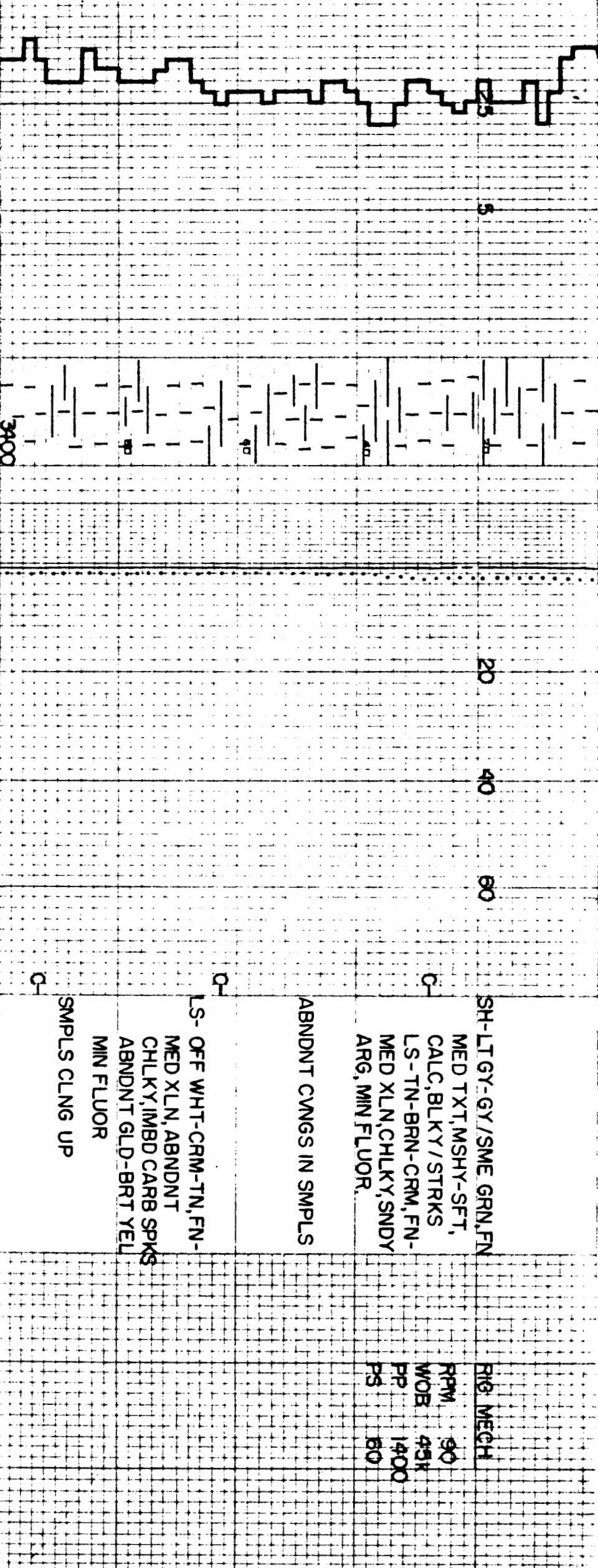
DEPTH
LITHOLOGY
LEACHED
UNITS
TO
FOOT

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR.....

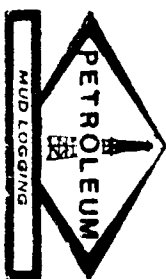
REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO 1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
SANDY SHALE LIMESTONE V V V V ANHYDRITE
+ + + + GRANITE DOLOMITE COAL
A A A A GRANITE WASH SHALE



PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NM-BREW BITY
DCB-DIAMOND COME BITY

NR-NO RETURNS
CO-CIRCULATED OUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS

METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6

RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
☒ MINUTE ☐ FT/MIN

DEPTH
&
LITHOLOGY

LEACHED
UNITS

% OIL
FLUOR

GAS FROM MUD

TOTAL GAS FROM HOT WIRE DETECTOR.....

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCHEAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC.28-22S-34W
SUPERVISING ENGINEER MALLEY - YORK UNIT NO.25

LEGEND

XXXXX CONGLOMERATE
SANDY SHALE
+++++ GRANITE
AAAAA CHERT
SAND
LIMESTONE
DOLOMITE
COAL
SHALE

LS-CRM-OFF WHT-TN,MED
FN XLN,CHLKY,SCAT
DISS PYR,VFN IMBD
MICA,MINFLUOR

MUD CHECK 3030

SH-GY-GRN,FN-MED TXT,
MSHY-FRM,CALC,BLKY
/STRKS LS-AAB,
SCAT SMKY CHRT

SMPL QLT Y GOOD

LS-OFF WHT-CRM-TN,FN-
MED XLN,CHLKY,IMBD
CARB SPKS,SNDY,
MINFLUOR

WT 89
VIS 39
FL 96
FC 1
PH 95
PV 10
YP 10
GEL 4/16
CA 120
CHL 850
SOL 4.2
SD TR
LCM 3
ALK 24/1.26

PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO 10-17-92 TO

ELEVATION NR-NO RETURNS
NR-NEW BIT CO-C-CIRCULATED OUT
DCB-DIABLO COME BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 3
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

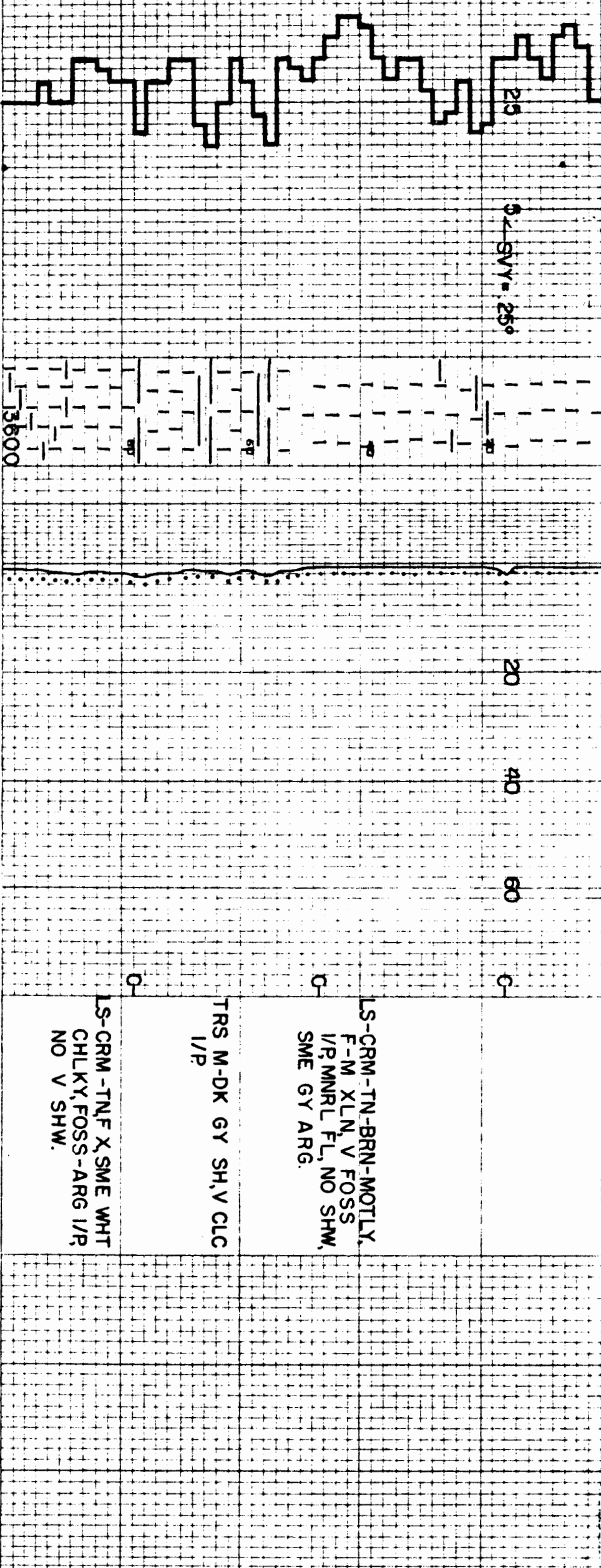
DRILLING RATE
MINUT FT/HR
DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY-YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
SANDY SHALE Limestone V V V V ANHYDRITE
+ + + + GRANITE DOLOMITE COAL
A A A A GRANITE WASH SHALE



PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



COMPANY CHEVRON U.S.A. INC.

WELL ANDERSON NO.1-28

FIELD AMAZON DITCH EAST

COUNTY FINNEY STATE KANSAS

LOCATION SEC 28-22S-34W

SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

DEPTH LOGGED FROM 3000' TO 10-17-92

ELEVATION NR-MO RETURNS
NR-MEW BIT CO-CIRCULATED OUT
DCO-DIAMOND CORN BIT DST-DRILL STEEL TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
MINUTY PT/MIN

DEPTH & LITHOLOGY

LEACHED UNITS
% OIL FLUOR

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR.....

REMARKS

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
BANDY SHALE LIMESTONE V V V V ANHYDRITE
+ + + + GRANITE DOLOMITE COAL
A A A A GRANITE WASH SHALE

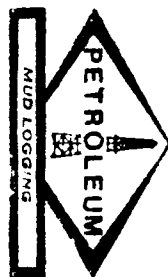
10-19-92

TR BLK CARB FISS SH.

LS-WHT-TN, F XLN, SME
CHLKY, MNRL FL, NO
CUT OR V STN, TR
OOLMDIC Ø, OCC CHRT
MLKY WHT.

LS-CRM, F XLN, CHLKY-
FOSS I/P, TR OOLM
DIC PORO, NO V SHW,
TR MLKY WHT CHRT.

PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NE-NEW BIT
DCB-DIAMOND CORE BIT
NR-NO RETURNS
CO-CIRCULATED CUT
DOT-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
MINUTY PT/MIN

DEPTH & LITHOLOGY
LEACHED UNITS
OIL FLUID

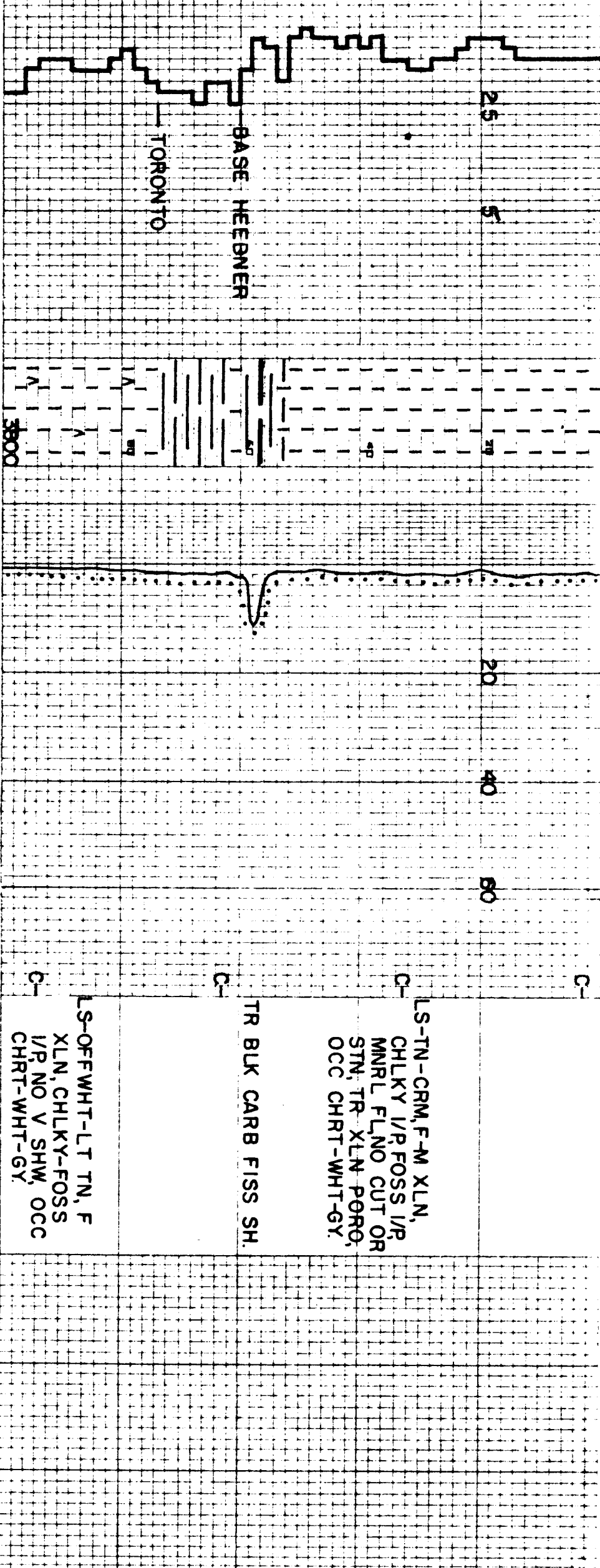
TOTAL GAS FROM HOT WIRE DETECTOR.....

GAS FROM MUD

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCHEAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE
SANDY SHALE
+ + + + GRANITE
A A A A GRANITE WASH
SAND
LIMESTONE
DOLomite
SHALE
CHERT
ANHYDRITE
COAL



PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



COMPANY CHEVRON U.S.A. INC.

WELL ANDERSON NO.1-28

FIELD AMAZON DITCH EAST

COUNTY FINNEY STATE KANSAS

LOCATION SEC 28-22S-34W

SUPERVISING ENGINEER MALLOY-YORK UNIT NO. 25

DEPTH LOGGED FROM 3,000' TO 10-17-92

ELEVATION NR-NO RETURNS
NR-NEW BIT CO-CIRCULATED CUT
DCB-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

GAS FROM MUD

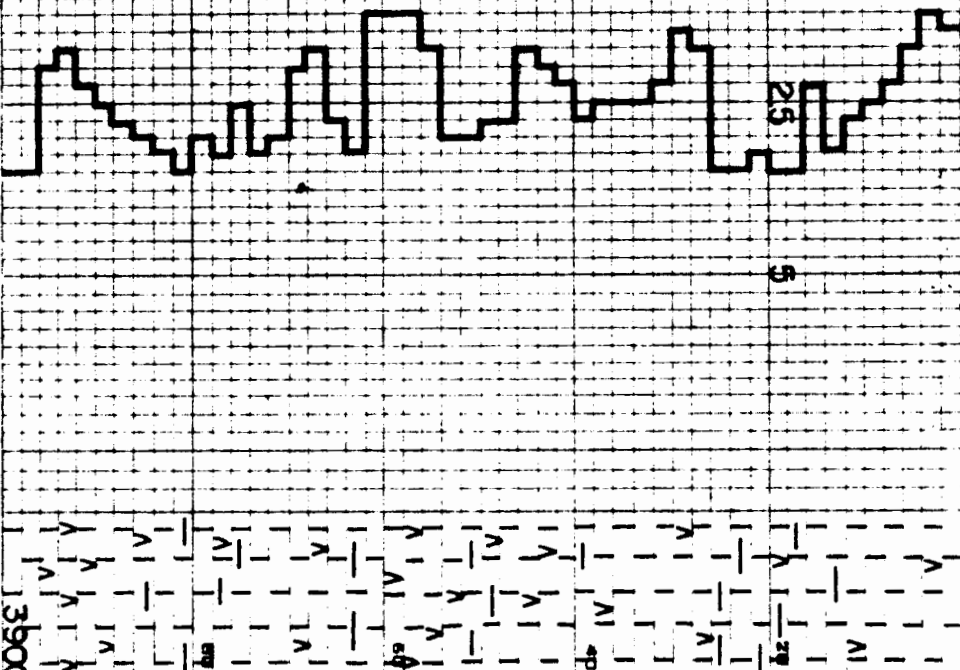
TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
SANDY SHALE Limestone V V V V ANHYDRITE
+ + + + GRANITE DOLOMITE COAL
A A A A GRANITE WASH SHALE

DRILLING RATE
MINUTE FT/MIN

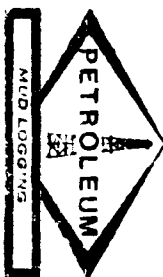
DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR



C-LS-CRM-OFF WHT, F XLN,
V CHLKY-FOSS I/P,
OCC MNRL FL, NO
CUT OR STN, OCC
CLCTE LMNTS, TR
FRCD Ø, CHRTY-WHT
LT TN.

C-LS-CRM, F-M XLN, CHLKY
I/P SME V FOSS, NO
V SHW, INCR CHRT-
V LT TN, TR FRACS.

PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NM-MEW BIT
DCB-DIAMOND CORE BIT
NM-MQ RETURNS
CO-CIRCULATED CUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
MINUT FT/MIN

DEPTH
LITHOLOGY
LEACHED
UNITS
% OIL
FLUOR

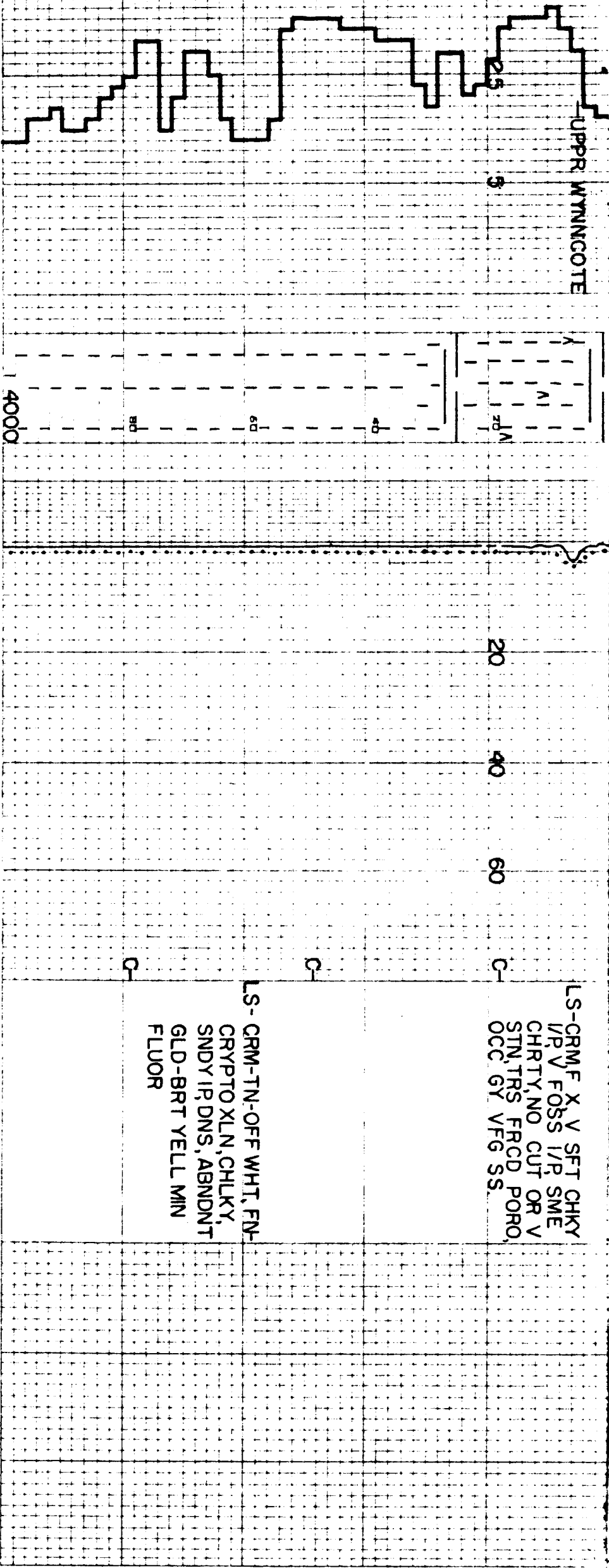
TOTAL GAS FROM HOT WIRE DETECTOR....

GAS FROM MUD

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE
SANDY SHALE
+ + + + GRANITE
A A A A GRANITE WASH
SAND
LIMESTONE
DOLomite
CHERT
ANHYDRITE
COAL
SHALE



PETROLEUM MUD LOGGING INC.
 OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
 DATE LOGGED FROM 10-17-92 TO

ELEVATION NR-MC RETURNS
 NR-MW BIT CO-CIRCULATED OUT
 DCB-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
 METHANE - 1 BUTANES - 4
 ETHANE - 2 PENTANES - 5
 PROPANE - 3 HELIUM - 6
 RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
 MIN/FT FT/MIN

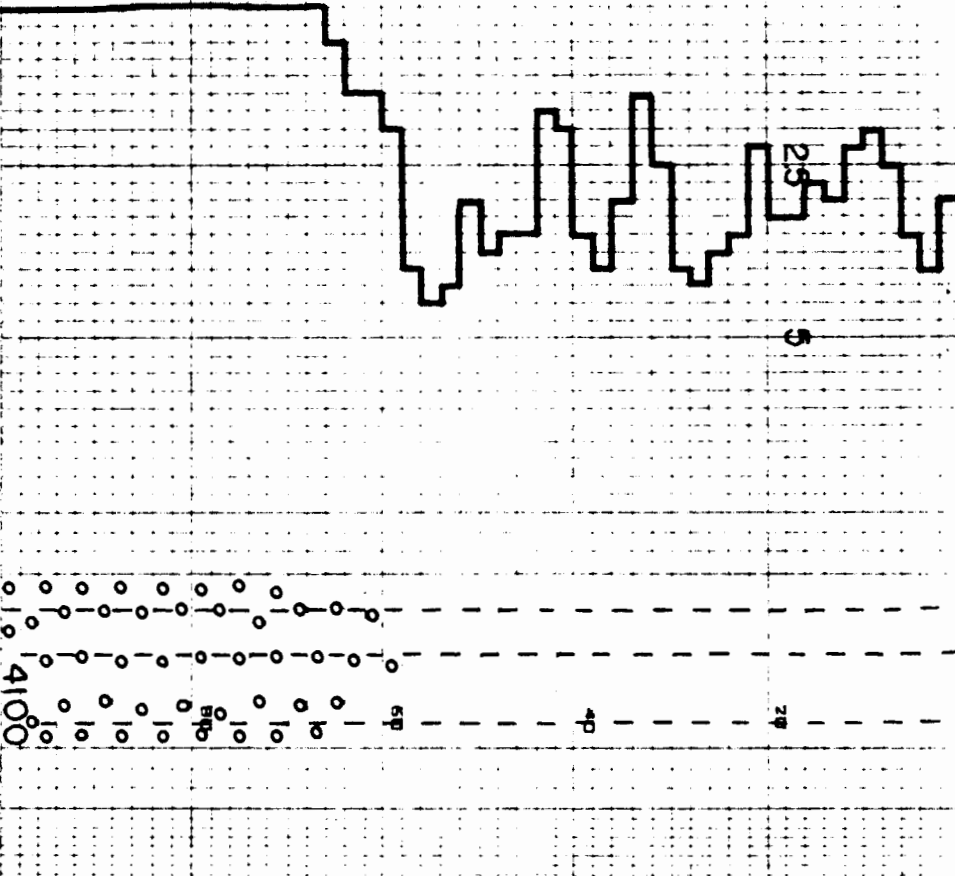
DEPTH
 LITHOLOGY
 LEACHED UNITS
 % OIL FLUOR

GAS FROM MUD
 TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

COMPANY CHEVRON U.S.A. INC.
 WELL ANDERSON NO.1-28
 FIELD AMAZON DITCH EAST
 COUNTY FINNEY STATE KANSAS
 LOCATION SEC 28-22S-34W
 SUPERVISING ENGINEER MALLOY-YORK UNIT NO. 25

LEGEND
 SAND CONGLOMERATE
 SANDY SHALE
 GRANITE
 GRANITE WASH
 LIMESTONE
 DOLOMITE
 SHALE
 CHERT
 ANHYDRITE
 COAL



SVY 8 C.G. SVY 1.5°

20 40 60

C-

LS-CRM-TN-OFF WHI, FN-

C-

CRYPTO XLN, SUCR,
CHLKY, DNS, SNDY IP,
SCAT SMK Y-TRANS
CHRT, ABNDNT BRT-
DULL YELL MIN FLUOR

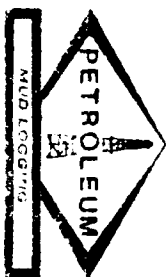
C-

LS-CRM-TN-WHT, FN XLN,
SUCR, CHLKY, FOSSIP,
ABNDNT OOL, BRT-
DULL YELL MIN FLUOR
OOLMTC POR, NC.

MUD CHECK 4009

WT 9
 VIS 46
 FL 8
 FC 1
 PH 10
 PV 16
 YP 13
 GEL 5/17
 CA 40
 CHL 800
 SOL 4.9
 SD TR
 LCM 2
 ALK 27/153

PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NM-BMW BIV
DCB-DIAMOND CONE BIV
NM-NO RETURNS
CO-CIRCULATED OUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
MIN/FT FT/MIN

DRILLING RATE

DEPTH
LITHOLOGY

LEACHED
UNITS

% OIL
FLUOR

TOTAL GAS FROM HOT WIRE DETECTOR.....

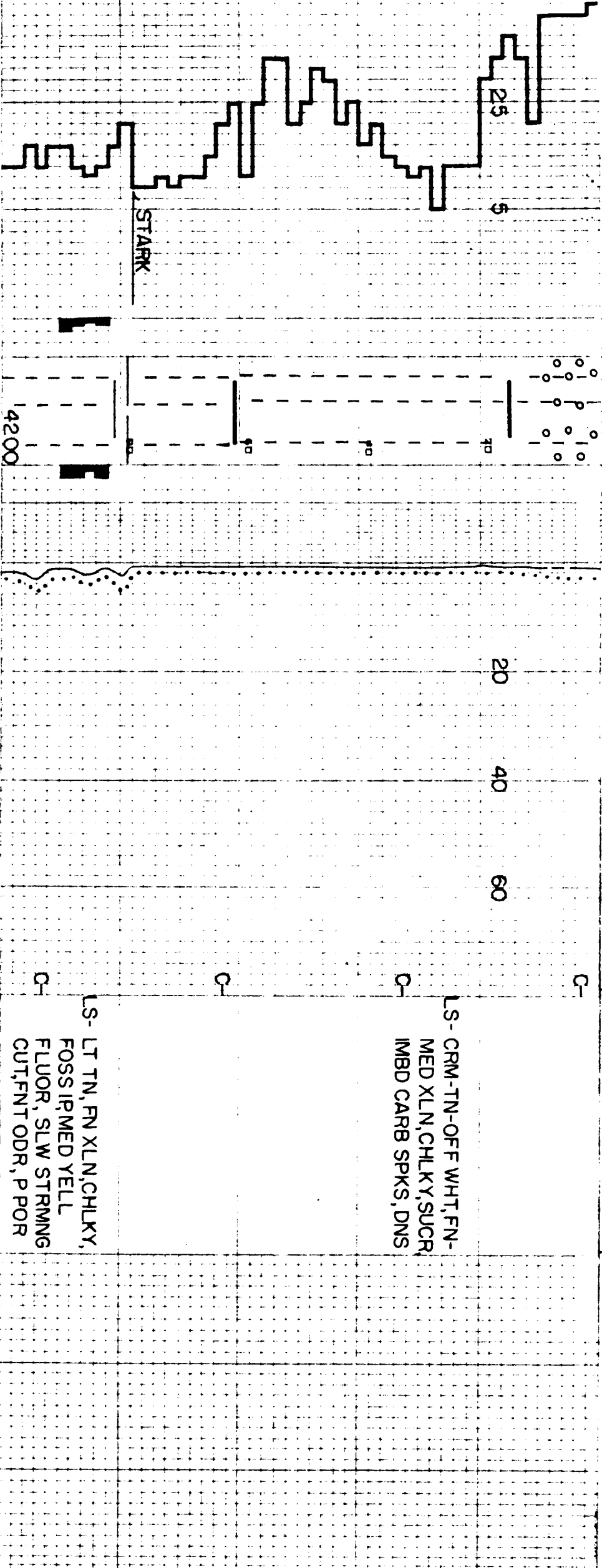
GAS FROM MUD

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCHEAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY-YORK UNIT NO.25

LEGEND

XXXXX CONGLOMERATE
SANDY SHALE
+++++ GRANITE
AAAAA CHERT
SAND
LIMESTONE
DOLOMITE
COAL
SHALE



PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION NR-NO RETURNS
NB-NEW BIT CO-CIRCULATED OUT
DCB-DIAMOND CORE BIT DST-DRILL STEAM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

GAS FROM MUD

TOTAL GAS FROM HOT WIRE DETECTOR.....

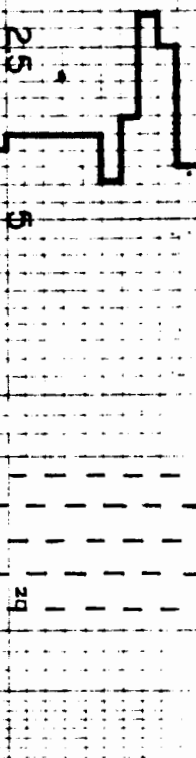
REMARKS

COMPANY CHEVRON USA, INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE SAND A A A A A CHERT
SANDY SHALE Limestone V V V V V ANHYDRITE
+ + + + + GRANITE DOLOMITE COAL
A A A A A GRANITE WASH SHALE

DRILLING RATE
MIN/FT FT/MIN

DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR



20 40 60

LS-WHT-TN,FXLN,SME
CHLKY,FOSS I/P,NO
V SHW.

OCC LT-DK GY,SLTY-
CALC I/P

LS-CRM,FXLN,V CHLKY
I/P,W/M YLL FL,SLO
STRMRS,FAIR ODR,TR
STN,PR XLN,TR
FRACS,VFOSS,I/P
ABDNT,PYR IN 80-85
SMPL, OCC LT GREN SH

DST NO 1 4250 TO 4268
RECVD 30 FT OIL SPECKD MD
FHM-2092 FHM-2033
SIF-24
SFF-36
FSP-85
BWT-111
DST NO 2 4290 TO 4314

10-20-92

BSE KC

PLEASANTON

MARMATON

10-21-92

MARMATON 1A'

10-22-92

MARM B'

BEMER

OCC LT-DK GY SLTY-
CALC I/P

LS-CRM, F XLN, V CHLKY
I/P W/M YLL FL, SLO
STRMRS, FAIR ODR, TR
STN PR XLN Ø, TR
FRACS V FOSS I/P
ABDNT PYR IN 80-85
SMPL, OCC LT GRN SH

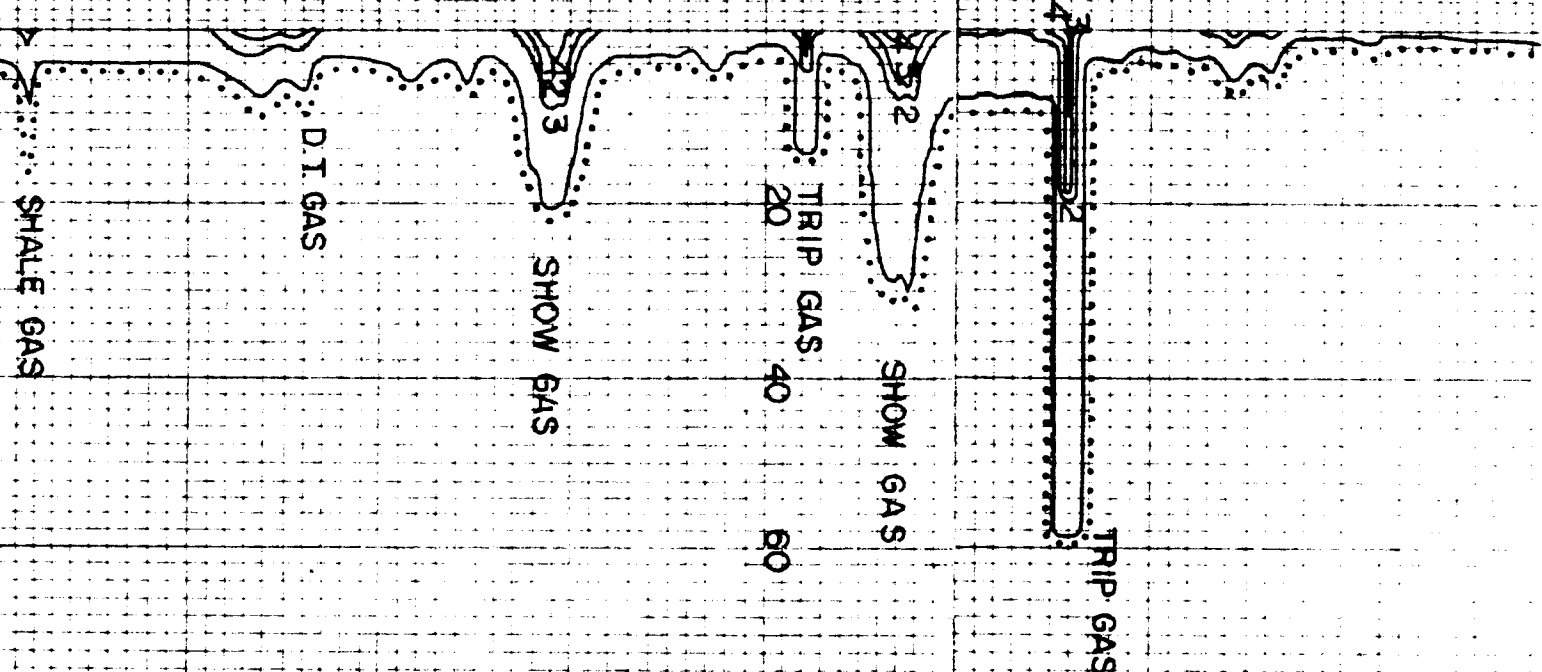
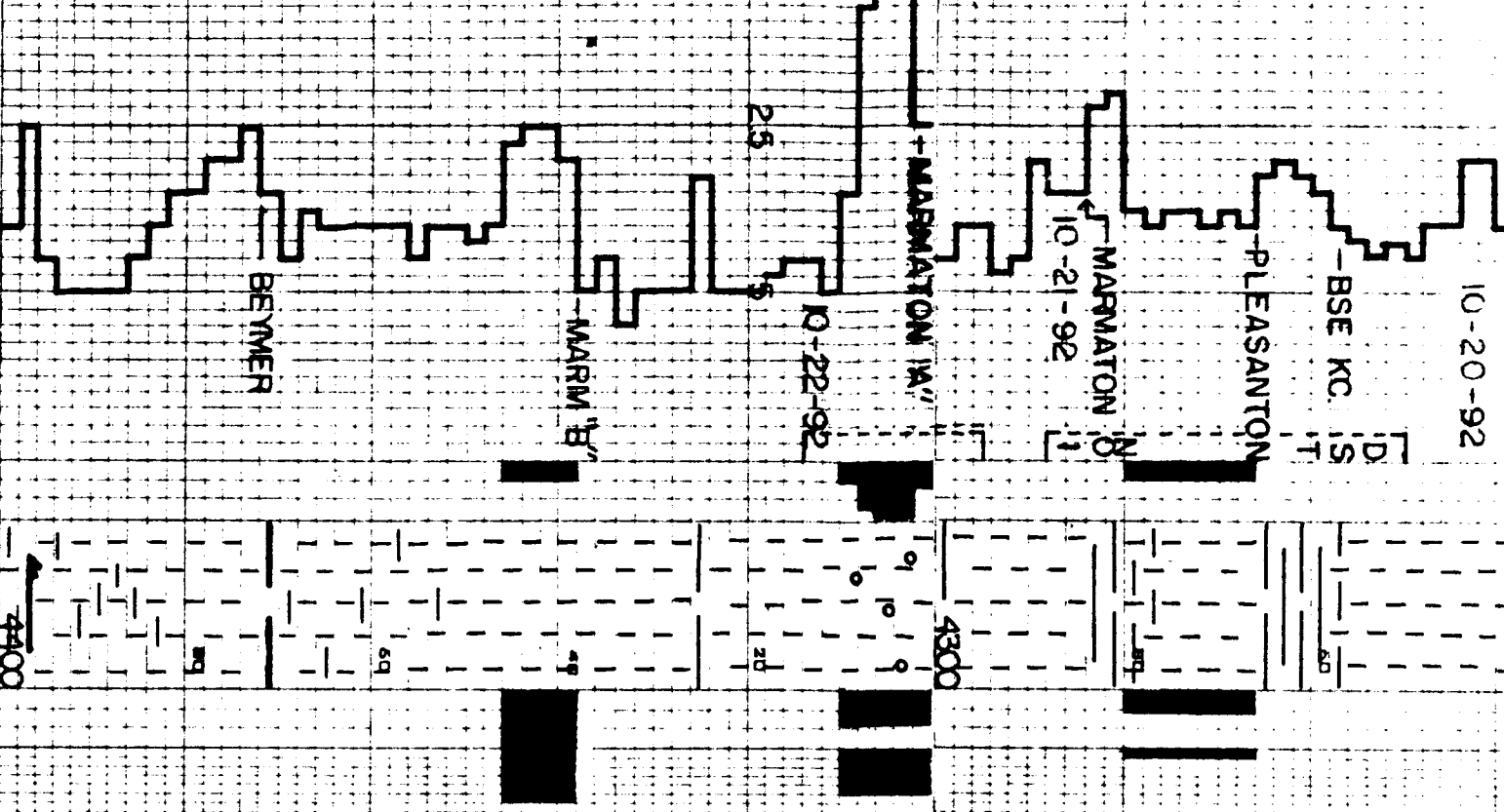
DST NO 1 4250 TO 4288
RECYD 30 FT OIL SPECKD MD
IHM-2092 FHM-2033
FIE-24 SIF-24
FFF-24 SFF-36
ISIP-324 PSIP-85
BHT-112

LS-TN, F XLN, V OOLITC
I/P SPTD M YLL
FL, TR GD CUT, GD
SCTRD STN, VUGY
OOLMDIC Ø, MOST
OF OIL TRAPPED IN
PORE SPACES, V PR
TO NO COMMUNICT.

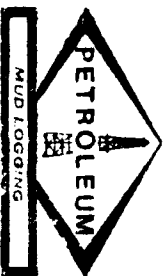
DST NO 2 4295 TO 4314
RECYD 30 FT OIL SPECK MD
IHM-2140 FHM-2092
FIE-24 SIF-24
FFF-24 SFF-36
ISIP-325 PSIP-85
BHT-112

LS-OFFWHT-TN, F-M XLN
SBCHLKY FOSS I/P, M
YLL UNIFRM FL, INST
STRMRS, EXL BRN
STN STRNG ODR
DLMTIC ABDNT OIL
IN SMPL, PAN WHI
LE WSHNG, XLN 8
P.P Ø

SH-BLK, FN TXT, CARB, BLKY



PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NR-NO RETURNS
NR-NEW BIT CO-CIRCULATED OUT
DCB-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/IN

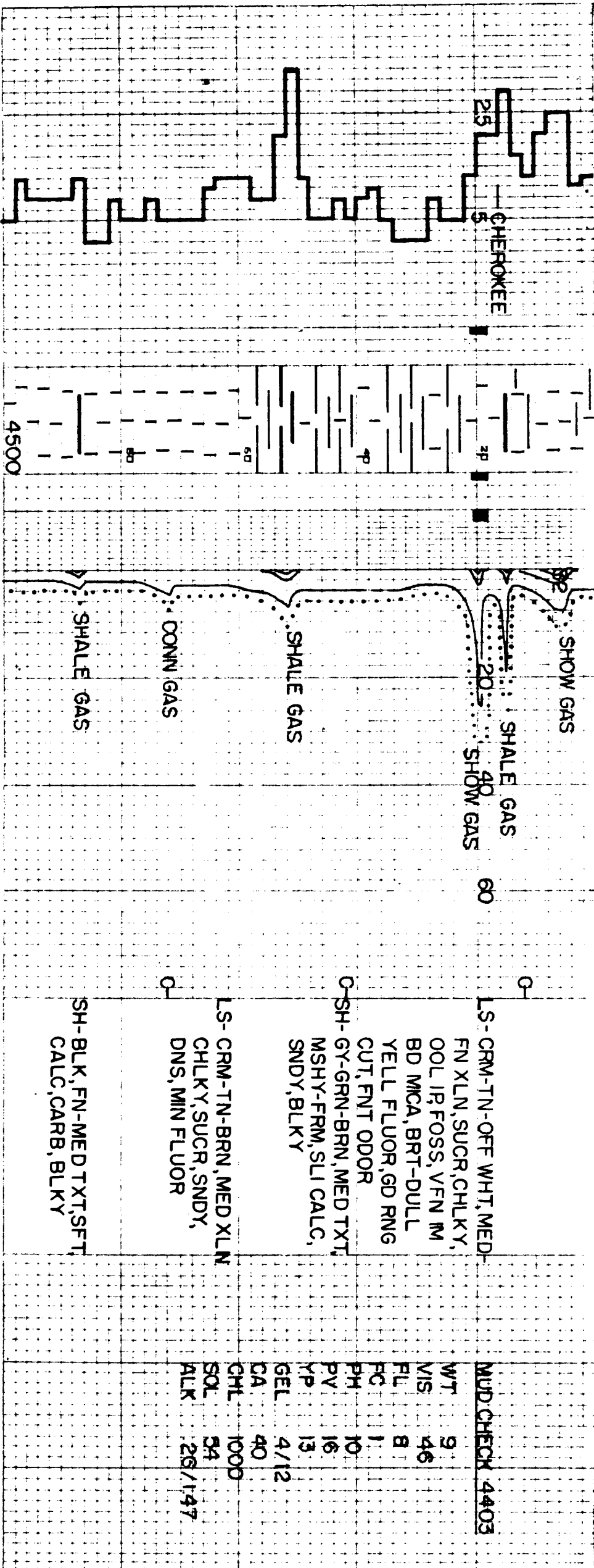
DRILLING RATE
MINUT FT/MM
DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR.....

REMARKS

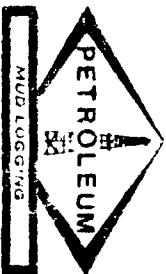
COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
SANDY SHALE Limestone V V V V ANHYDRITE
++ ++ GRANITE DOLOMITE COAL
A A A A GRANITE WASH SHALE



PETROLEUM MUD LOGGING INC.

OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3,000' TO
 DATE LOGGED FROM 10-17-92 TO

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 NB-NEW BIT CO-CIRCULATED OUT
 DCB-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
 METHANE - 1 BUTANES - 4
 ETHANE - 2 PENTANES - 5
 PROPANE - 3 HELIUM - 6
 RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
 MINUTE FT/MIN

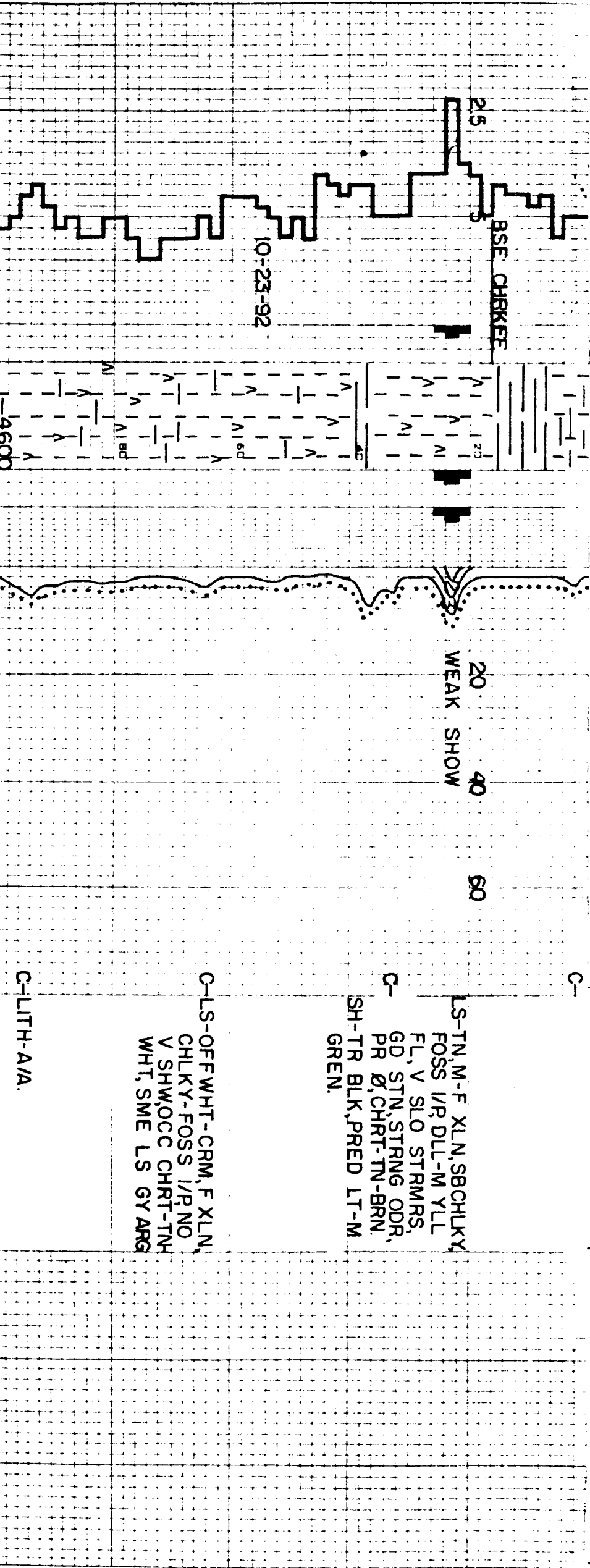
DEPTH
 LITHOLOGY
 LEACHED
 UNITS
 OIL
 FLUOR

GAS FROM MUD
 TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

COMPANY CHEVRON U.S.A. INC.
 WELL ANDERSON NO.1-28
 FIELD AMAZON DITCH EAST
 COUNTY FINNEY STATE KANSAS
 LOCATION SEC 28-22S-34W
 SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
 SAND CONGLOMERATE
 SANDY SHALE
 GRANITE
 GRANITE WASH
 SHALE
 CHERT
 ANHYDRITE
 DOLOMITE
 COAL



PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3000' TO 3000'
DATE LOGGED FROM 10-17-92 TO

ELEVATION
NM-NEW BIT
DCB-DIAMOND CORE BIT
NM-NO RETURNS
CO-CIRCULATED CUT
DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
METHANE - 1 BUTANES - 4
ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/AIR

DRILLING RATE
☒ MIN/FT ☐ FT/MIN

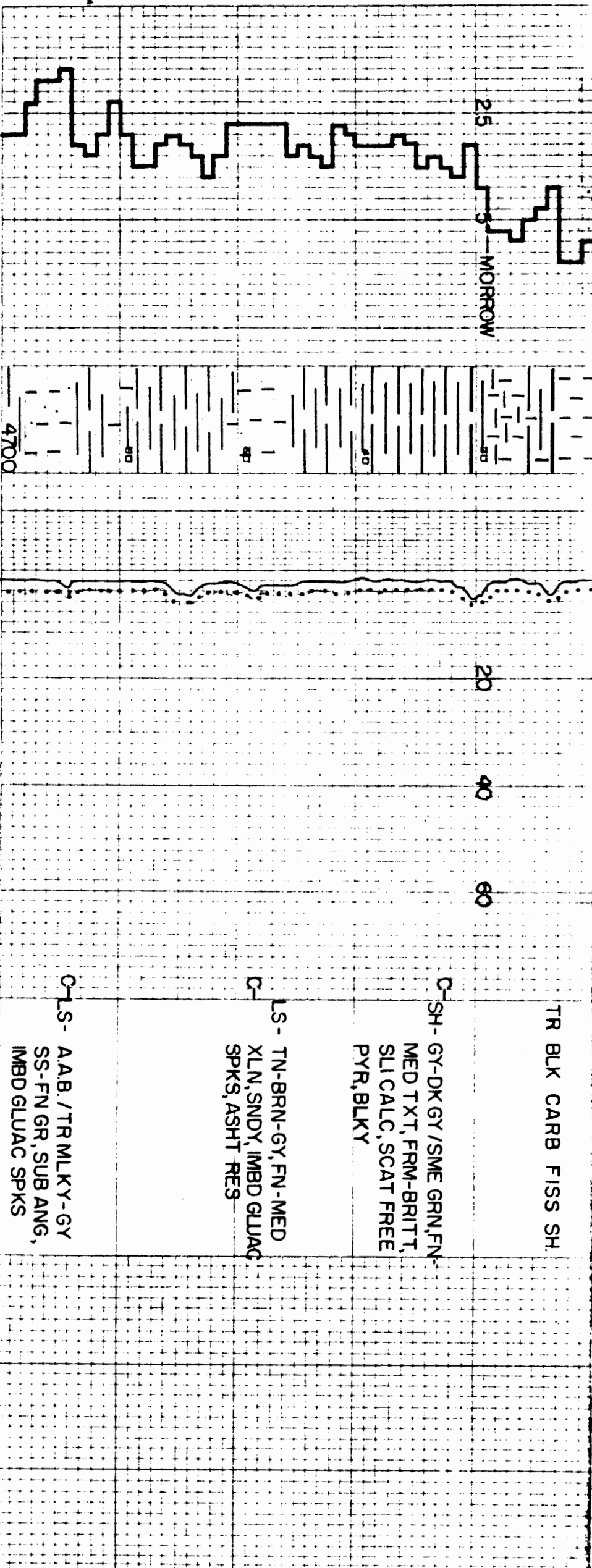
POSSIBILITY
DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR.

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR,....

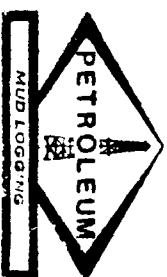
REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCH EAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY - YORK UNIT NO. 25

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
+ + + + + SANDY SHALE L I M E S T O N E V V V V A N H Y D R I T E
X X X X X GRANITE D O L O M I T E C O A L
X X X X X GRANITE WASH S H A L E



OKLAHOMA CITY, OKLAHOMA

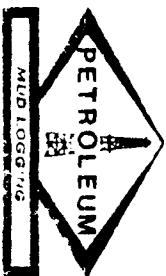


SUPERVISING ENGINEER-MALLOY - YORK UNIT NO.25

1 S - AAB / EBF PYB

1. *with mother & sister*

PETROLEUM MUD LOGGING INC.
OKLAHOMA CITY, OKLAHOMA



DEPTH LOGGED FROM 3000' TO
DATE LOGGED FROM 10-17-92 TO

ELEVATION NR-NO RETURNS
NB-NEW BIT CO-CIRCULATED OUT
DCD-DIAMOND CORE BIT DST-DRILL STEM TEST

GAS CHROMATOGRAPH ANALYSIS
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ETHANE - 2 PENTANES - 5
PROPANE - 3 HELIUM - 6
RESULTS IN MOLE PER CENT GAS/IN

DRILLING RATE
☒ MIN/FT ☐ FT/MIN

DENSITY
DEPTH & LITHOLOGY
LEACHED UNITS
% OIL FLUOR

GAS FROM MUD
TOTAL GAS FROM HOT WIRE DETECTOR....

REMARKS

COMPANY CHEVRON U.S.A. INC.
WELL ANDERSON NO.1-28
FIELD AMAZON DITCHEAST
COUNTY FINNEY STATE KANSAS
LOCATION SEC 28-22S-34W
SUPERVISING ENGINEER MALLOY-YORK UNIT NO.25

LEGEND
X X X X X CONGLOMERATE SAND A A A A CHERT
SANDY SHALE LIMESTONE V V V V ANHYDRITE
++ ++ GRANITE COAL
A A A A GRANITE WASH SHALE

LS-CRM-TN/SME LT GY,
CRYPTO-FN XLN,SNDR,
CHLKY, FREE PYR, SUCR
/THIN STRKS SH-LT
GY, FN-MED TXT, BRITT,
BLKY

UNIT RELEASED 10-24-92

