P-W

U.S.G.S. #30 LCRP
NW/NW Sec 34-T11S-R23W, Yuma Co. 14-19

32 × 8

County Yuma

Area

Lease No.

Well Name U.S.G.S. #30 LCRP 14-19

Location NW/NW Sec 34 Twp 11 S Range 23 W Footage 850 fnl 230 fwl

Elev 163 Gr KB Spud Date Completed Abandon 0 Total Depth 627

Contractor Logged 8-17-65

Drilled by Rotary x
Cable Tool

| Casing Size | Depth | Cement |
|---|---|---|
| 20" | 80' | |
| | | |

Production Horizon

Initial Production

REMARKS

Elec Logs Gamma log - Electric log

Applic. to Plug Plugging Record Completion Report

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Water well accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

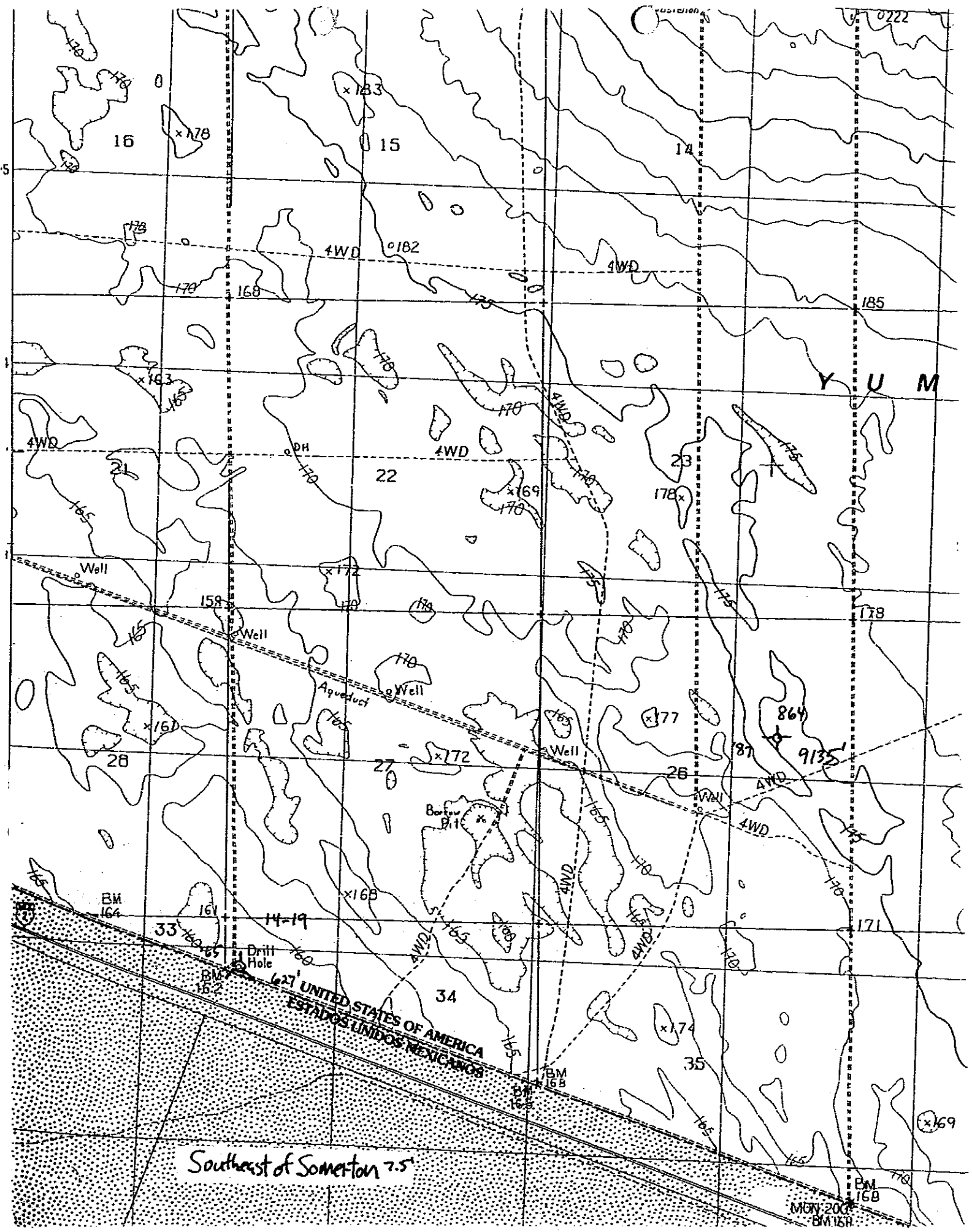
Filing Receipt Dated Well Book Plat Book

Loc. Plat Dedication

API NO. 02-027-

Permit Number Date Issued

14-19


16
15
14
4WD
182
168
185
Y U M
23
22
21
DH
169
178
Well
158
172
Aqueduct
177
864
9135'
28
27
26
Borrow Pit
BM 164
161
14-19
33
Drill Hole
627'
UNITED STATES OF AMERICA
ESTADOS UNIDOS MEXICANOS
34
35
174
171
BM 168
Southeast of Somerton 7.5'

32 × L

34-11s-23w

# WELEX — ELECTRIC LOG

COMPANY: U.S.G.S.
WELL: L.C.R.P. NO. 30
FIELD: YUMA AREA
County: YUMA State: ARIZ.

COMPANY: UNITED STATES GEOLOGICAL SURVEY
WELL: L.C.R.P. NO. 30 14-19
FIELD: YUMA AREA
COUNTY: YUMA STATE: ARIZONA

Location: NW/4 OF NW/4 4
Sec. 34 Twp. 11S Rge. 23W

Other Services: GAMMA LOG, CALIPER LOG 2"

Permanent Datum: GROUND Elev. 164'
Log Measured From: GROUND - Ft. Above Perm. Datum
Drilling Measured From: GROUND

Elev.: K.B. -, D.F. -, G.L. 164' 163

| | | | | |
|---|---|---|---|---|
| Date | 8-17-68 | | | |
| Run No. | ONE | | | |
| Depth—Driller | 527' | | | |
| Depth—Welex | 519' | | | |
| Btm. Log Inter. | 517' | | | |
| Top Log Inter. | 80' | | | |
| Casing—Driller | 20" @ 80' | @ | @ | @ |
| Casing—Welex | 80' | | | |
| Bit Size | 12 1/4" | | | |
| Type Fluid in Hole | GEL MUD | | | |
| Dens. \| Visc. | - \| - | \| | \| | \| |
| pH \| Fluid Loss | - \| - ml | \| ml | \| ml | \| ml |
| Source of Sample | PIT | | | |
| $R_m$ @ Meas. Temp. | 3.68 @ 70 °F | @ °F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 3.06 @ 70 °F | @ °F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | 3.74 @ 70 °F | @ °F | @ °F | @ °F |
| Source $R_{mf}$ $R_{mc}$ | MEAS. MEAS. | \| | \| | \| |
| $R_{mf}$ @ BHT | 3.68 @ 70 °F | @ °F | @ °F | @ °F |
| Time Since Circ. | - | | | |
| Max. Rec. Temp. | - °F @ - | °F @ | °F @ | °F @ |
| Equip. \| Location | 7697 \| L.H. | \| | \| | \| |
| Recorded By | R. SANDLIN | | | |
| Witnessed By | - | | | |

Fold Here

SCALE CHANGES: Scale Up Hole | Scale Down Hole

| Type Log | Depth |
|---|---|
| | |

EQUIPMENT DATA: Run No. | Tool Type and No. | Pad Type | Tool Position | Other

| Run No. | Tool Type and No. | Pad Type | Tool Position | Other |
|---|---|---|---|---|
| ONE | DIL, E, LOG 807 | - | FREE | - |

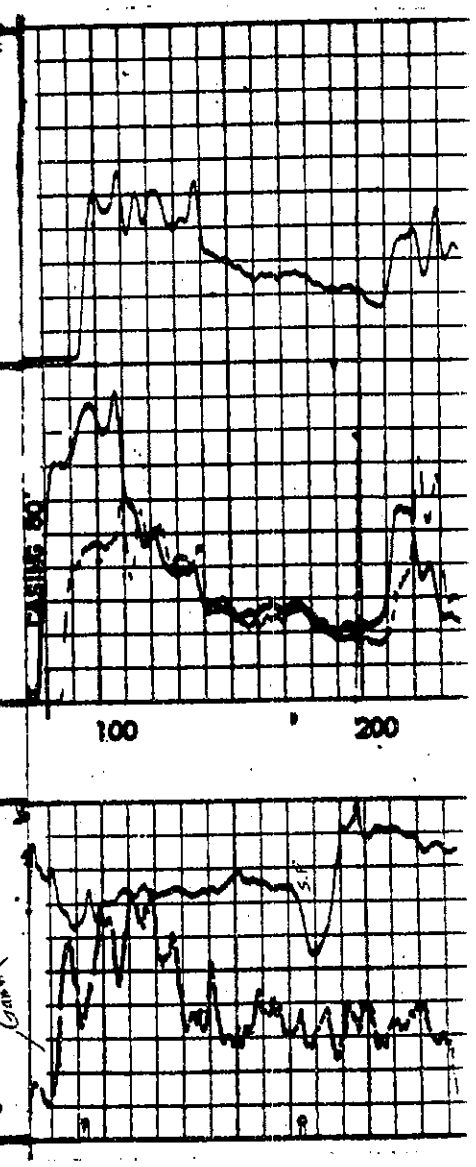
| Change in Mud Type or Additional Samples | | | | | | |
|---|---|---|---|---|---|---|
| Date | - | - | | | | |
| Sample No. | - | - | | | | |
| Depth—Driller | | | | | | |
| Type Fluid in Hole | | | | | | |
| Dens. \| Visc. | - \| - | | | | | |
| pH \| Fluid Loss | - \| - ml | | | | | |
| Source of Sample | | | | | | |
| $R_m$ @ Meas. Temp. | 3.68 @ 70 °F | @ °F | @ °F | — | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 3.06 @ 70 °F | @ °F | @ °F | | | |
| $R_{mc}$ @ Meas. Temp. | 3.74 @ 70 °F | | | | | |
| Source: $R_{mf}$ $R_{mc}$ | | | | | | |
| $R_m$ @ BHT | | @ °F | @ °F | | @ °F | @ °F |
| $R_{mf}$ @ BHT | | | | | | |
| $R_{mc}$ @ BHT | | | | | | |

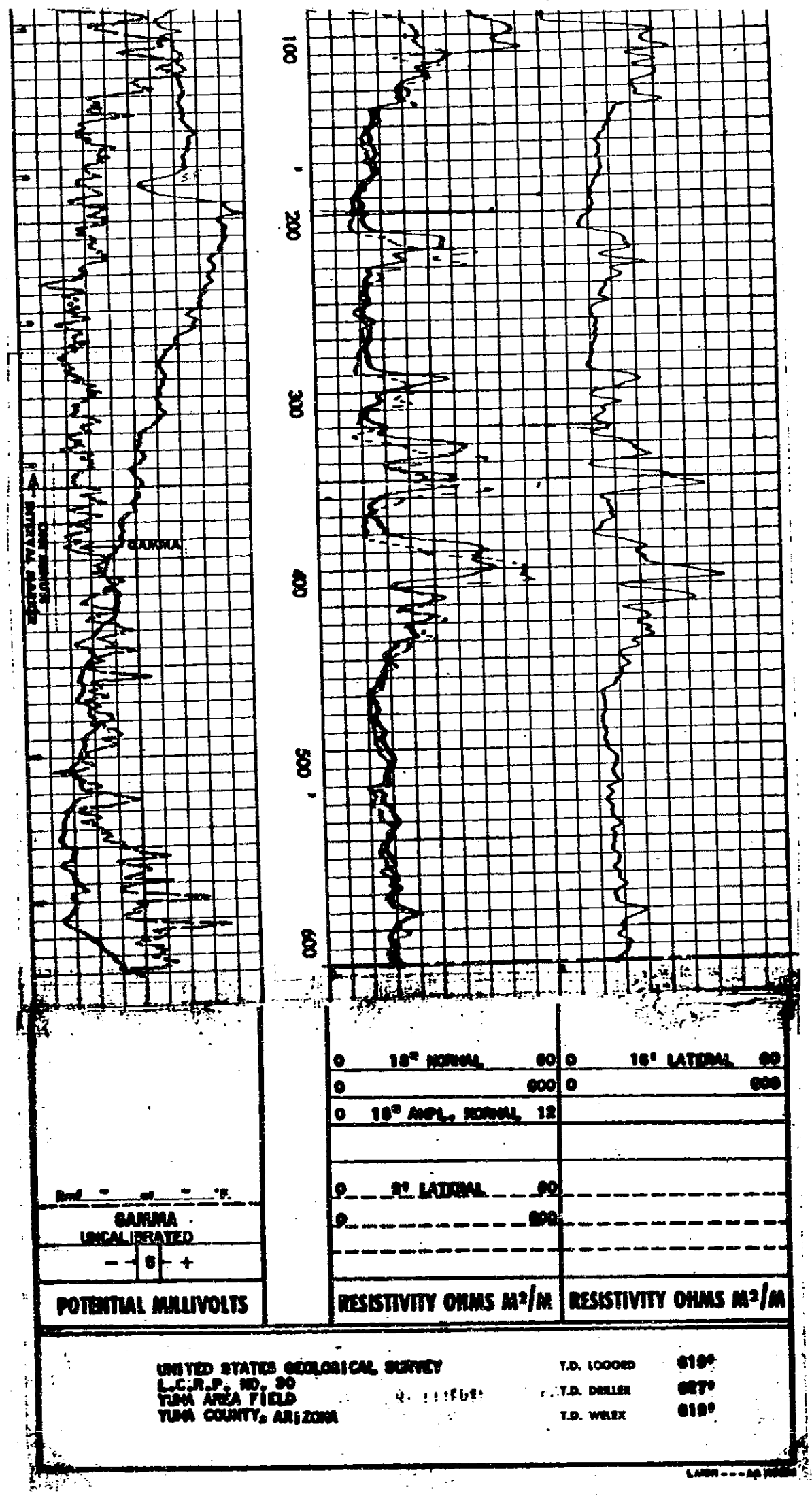
REMARKS: S.T.I. NO. U-69118
RIG TIME: N.A.

2" = 100'

RESISTIVITY OHMS M²/M: 18" NORMAL 0–60; 18" LATERAL 0–600
RESISTIVITY OHMS M²/M: 18" AMPL. NORMAL 12 0–60; 5" LATERAL 0–600

POTENTIAL MILLIVOLTS: − 5 +
GAMMA UNCALIBRATED




100
200
300
400
500
600
GAMMA
0 16" NORMAL 60
0 600
0 16" AMPL., NORMAL 12
0 16" LATERAL 60
0 600
0 8" LATERAL 60
0 600
Bmd ___ at ___ °F.
GAMMA
UNCALIBRATED
− 0 +
POTENTIAL MILLIVOLTS
RESISTIVITY OHMS M²/M
RESISTIVITY OHMS M²/M
UNITED STATES GEOLOGICAL SURVEY
L.C.R.P. NO. 30
YUMA AREA FIELD
YUMA COUNTY, ARIZONA
T.D. LOGGED 619'
T.D. DRILLER 627'
T.D. WLEX 619'