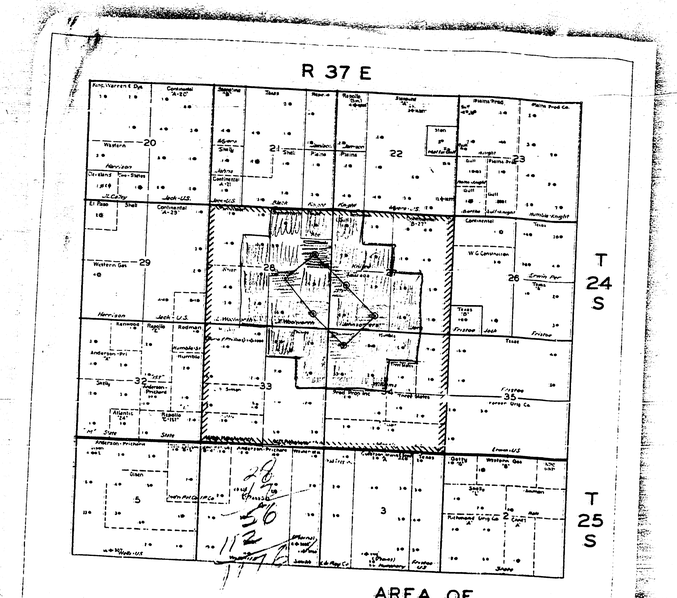
Case No.
2497

Large Exhibit




AREA OF
LANGLIE MATTIX WATER
FLOOD UNIT

FIGURE 1

LANE RADIOACTIVITY LOG WELLS

COMPANY

FILE NO.

COMPANY: AMERADA PET. CORP.
WELL: H. J. JOHNSTON NO. 3
FIELD: LANGLIE MATTIX
COUNTY: LEA STATE: N MEX.
LOCATION:

Location of Well

COMPANY: AMERADA PET. CORP.
WELL: H. J. JOHNSTON No. 3
FIELD: LANGLIE MATTIX
COUNTY: LEA STATE: N MEX.
LOCATION: 2080' FSL & 2080' FWL
SECTION 27, T-24-S, R-37-E

D. F. ELEV. 3402

LOG MEAS. FROM TOP 5 1/2" B. H. + 11' ELEV.
DRLG. MEAS. FROM TOP 5 1/2" B. H. + 11' ELEV.
PERM. DATUM TOP 5 1/2" B. H. + 11' ELEV.

TYPE OF LOG — GAMMA RAY NEUTRON
RUN NO. — ONE ONE
DATE — 6-30-54 7-20-54
TOTAL DEPTH DRILLER — 3950 3950
DEPTH LOGGER — 3950 3950
TOP OF LOGGED INTERVAL — SURFACE SURFACE
BOTTOM OF LOGGED INTERVAL — 3947 3947
TYPE OF FLUID IN HOLE — SALT GEL SALT GEL
FLUID LEVEL — FULL FULL
MAX. REC. TEMP. — 97° 97°
EQUIP. NO. & LOCATION — 3-E 3-E
RECORDED BY — ETC ETC
WITNESSED BY — KENNEDY KENNEDY

LENGTH OF MEASURING DEVICE—IN. — 36" 36"
CALIBRATED BY — U.T.A. U.T.A.
TIME CONSTANT—SECONDS — 3.2 3.2
SCALE SETTINGS—API UNITS — 200 200
STATISTICAL VARIATION—IN. — 2 2
RECORDED BY — ETC ETC
WITNESSED BY — KENNEDY KENNEDY

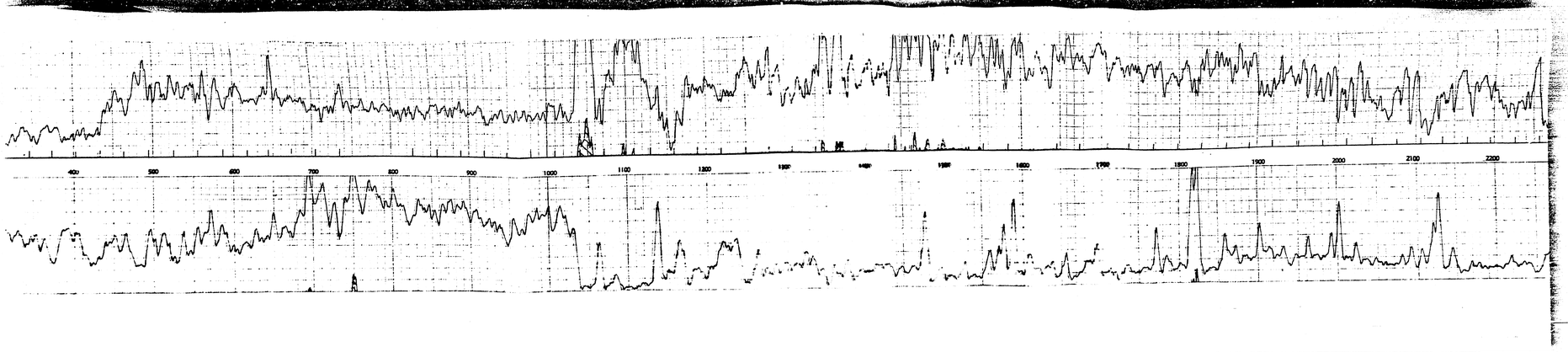
CASING RECORD — FROM R A LOG
RUN NO. — ONE — TWO
CASING — 8 5/8" 5 1/2"
WT. & SIZE — 24# 14#
FROM — SURFACE SURFACE
TO — 385 3950
" — " "
" — " "
" — " "

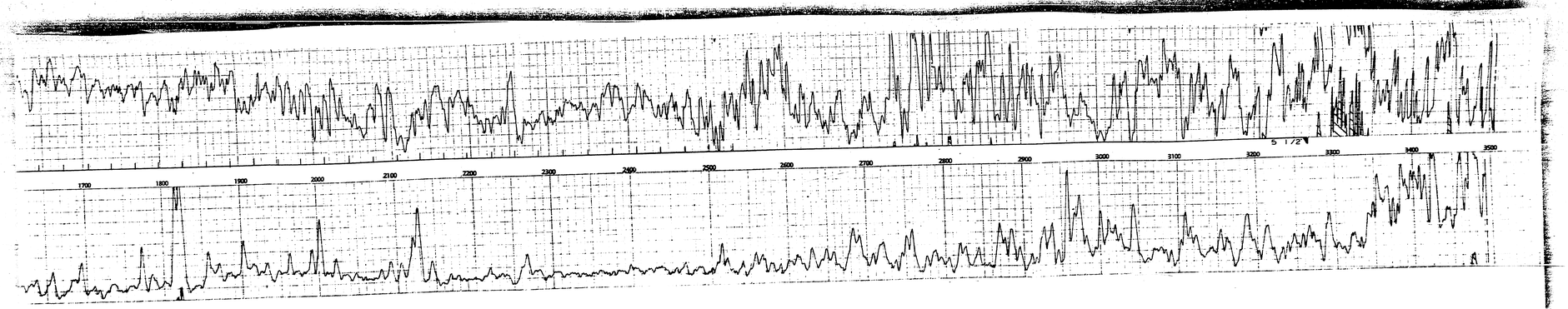
REMARKS OR OTHER DATA

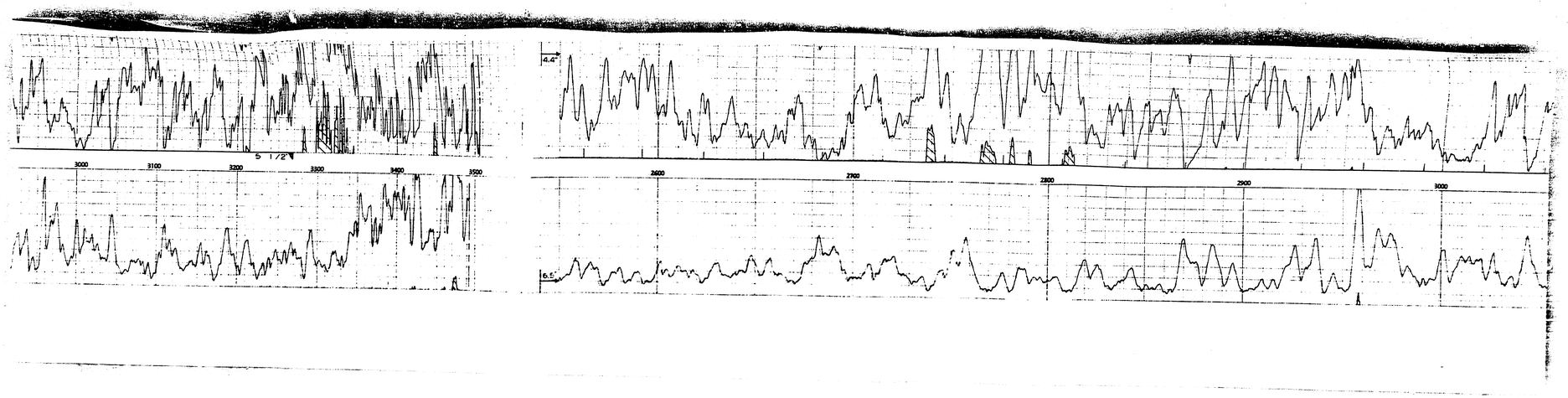
CASING & COLLAR LOG DEPTH

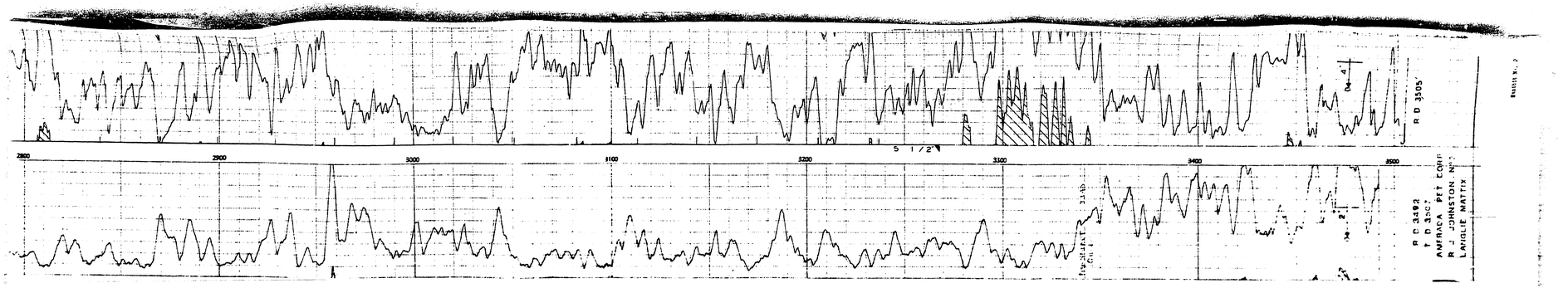
NEUTRON — RADIATION INTENSITY INCREASES

GAMMA RAY — RADIATION INTENSITY INCREASES


400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200


1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500

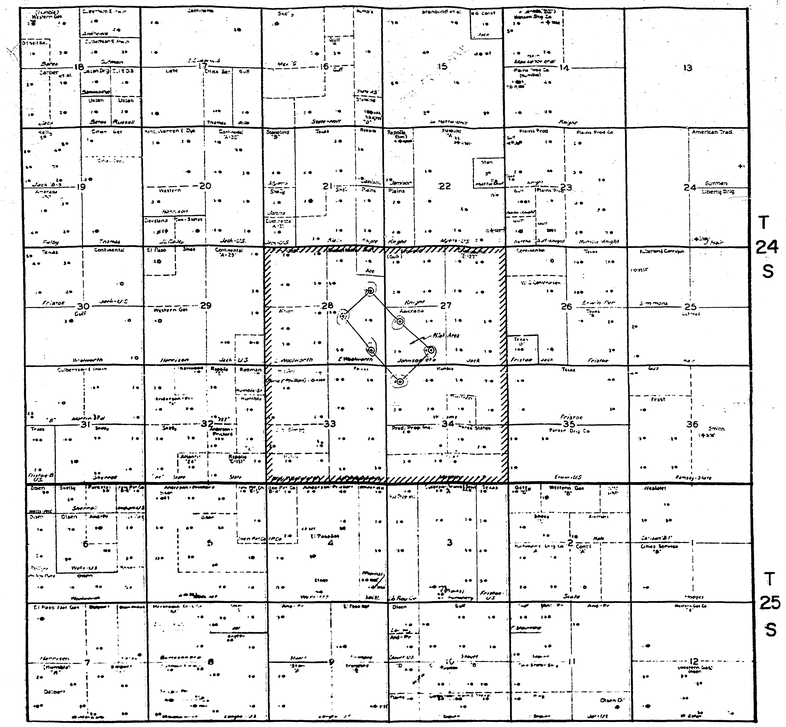

3000
3100
3200
3300
3400
3500
5 1/2"
4.4"
2600
2700
2800
2900
3000
6.6"


2800
2900
3000
3100
3200
3300
3400
3500
5 1/2
R D 3505'
R D 3492
T D 3507
AMERADA PET CORP
R J JOHNSTON NO 1
LANGLIE MATTIX

R 37 E

T 24 S

T 25 S



LEGEND

////// UNIT AREA

INJECTION WELL

PROPOSED INJECTION WELL

# AREA OF LANGLIE MATTIX WATER FLOOD UNIT

FIGURE 1