RECEIVED-PTLD

~~MAR 10 1980~~

Welex

2"=100'

# COMPENSATED DENSITY LOG

## NEUTRON

COMPANY AMERICAN QUASAR PETRO. CO.
WELL LONG VIEW FIBER 25-33
FIELD WILDCAT
County COLUMBIA State OREG.

COMPANY AMERICAN QUASAR PETROLEUM COMPANY
WELL LONG VIEW FIBER 25-33
FIELD WILDCAT
COUNTY COLUMBIA STATE OREGON

Location N/A
Sec. 25 Twp 6N Rge 5W

Other Services:
DIG
C/AVL
DIP

Permanent Datum GL Elev. 777.5
Log Measured From KB OR 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 789.5
D.F. -
G.L. 777.5

| | | | | |
|---|---|---|---|---|
| Date | 9-9-79 | 10-6-79 | | |
| Run No. | ONE | TWO | | |
| Depth—Driller | 3145 | 7000 | | |
| Depth—Welex | 3146 | 7000 | | |
| Btm. Log Inter. | 3139 | 6998 | | |
| Top Log Inter. | 469 | 3139 | | |
| Casing—Driller | 7 @ 471 | 7 @ 471 | @ | @ |
| Casing—Welex | 469 | 469 | | |
| Bit Size | 6 1/4 | 6 1/4 | | |
| Type Fluid in Hole | LIGNO SULF | LIGNO SULF | | |
| Dens. \| Visc. | 10.1 \| 57 | 9.6 \| 49 | \| | \| |
| pH \| Fluid Loss | 11.0 \| 7.0 ml | 11.0 \| 5 ml | \| ml | \| ml |
| Source of Sample | PIT | PIT | | |
| $R_m$ @ Meas. Temp. | 1.90 @ 105°F | 2.00 @ 100°F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 2.30 @ 68°F | 2.12 @ 62°F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | 2.55 @ 72°F | 2.22 @ 66°F | @ °F | @ °F |
| Source $R_{mf}$ $R_{mc}$ | MEASURED | MEASURED | \| | \| |
| $R_m$ @ BHT | 1.78 @ 115°F | 1.39 @ 143°F | @ °F | @ °F |
| Time Since Circ. | 24 HOURS | 3 HOURS | | |
| Max. Rec. Temp. | 115°F @ BHT | 143°F @ BHT | °F @ | °F @ |
| Equip. \| Location | 9430 \| WDLND | 9430 \| WDLND | \| | \| |
| Recorded By | KENNEDY | KENNEDY | | |
| Witnessed By | BARRET | BARRET | | |

Fold Here

## EQUIPMENT DATA

### GAMMA RAY

| | | | |
|---|---|---|---|
| Run No. | ONE | TWO | |
| Tool Model No. | 102-A | 102-A | |
| Diameter | 3 5/8" | 3 5/8" | |
| Detector Model No. | 102-A | 102-A | |
| Type | SCINT. | SCINT. | |
| Length | N/A | N/A | |
| Distance to Source | 240" | 240" | |

### GENERAL

| | | | |
|---|---|---|---|
| Hoist Truck No. | 9430 | 9430 | |
| Instrument Truck No. | 9430 | 9430 | |
| Tool Serial No. | 16562 | 20961 | |
| MAND. NO. | 11989 | | |
| NEUT. NO. | 21009 | | |

### GAMMA DENSITY

| | | | |
|---|---|---|---|
| Run No. | ONE | TWO | |
| Log Type | COMP.DENS. | COMP.DENS. | |
| Tool Model No. | 125 | 125 | |
| Diameter | 3 5/8" | 3 5/8" | |
| Detector Model No. | 127 | 127 | |
| Type | SCINT. | SCINT. | |
| Length | N/A | N/A | |
| Source Model No. | DCS | DCS | |
| Serial No. | DCS- | DCS- | |
| Spacing | N/A | N/A | |
| Type | Cs 137 | Cs 137 | |
| Strength | 500 mc | 500 mc | |

## LOGGING DATA

| GENERAL | | | | GAMMA RAY | | | | GAMMA DENSITY | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Run No. | Depths From | Depths To | Speed Ft/Min | T.C. Sec. | Sens. Settings | Zero Div. L or R | API G.R. Units per Log Div. | T.C. Sec. | Sens. Settings | Zero Div. L or R | Units per Log Div. |
| ONE | 3136 | 469 | 28 | 1 | 0 - 200 | 0 | 20 | | 165-265 | 33-L | 0.05 |
| TWO | 6998 | 3136 | 28 | 1 | 0 - 200 | 0 | 20 | | 165-265 | 33-L | 0.05 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Reference Literature:

Service Ticket No. 048900 Remarks: DEPTH CORRECTION BETWEEN RUN NO. 1 & RUN NO. 2 +3'.

048895

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof .

2"=100'

## GAMMA

API Gamma Ray Units

0 200

## CALIPER

Average Diameter Inches

4 14

## COMPENSATED GAMMA DENSITY

*GMS/CC*

1.65 2.65

$P_f$ =1.0

POROSITY AT Pg 2.65 G/CC

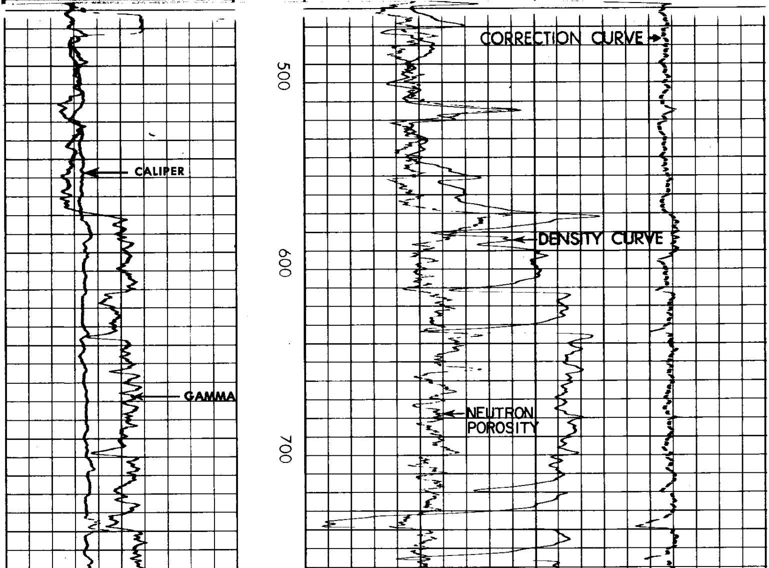
## CORRECTION

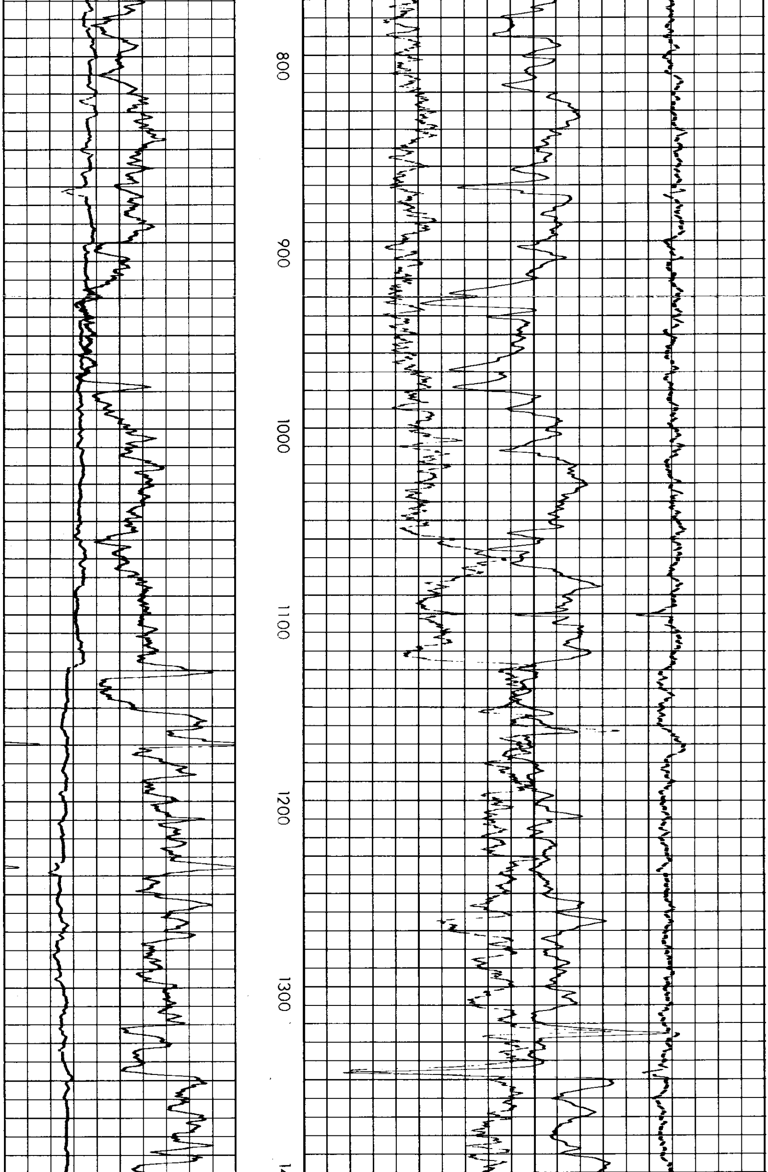
*GMS/CC*

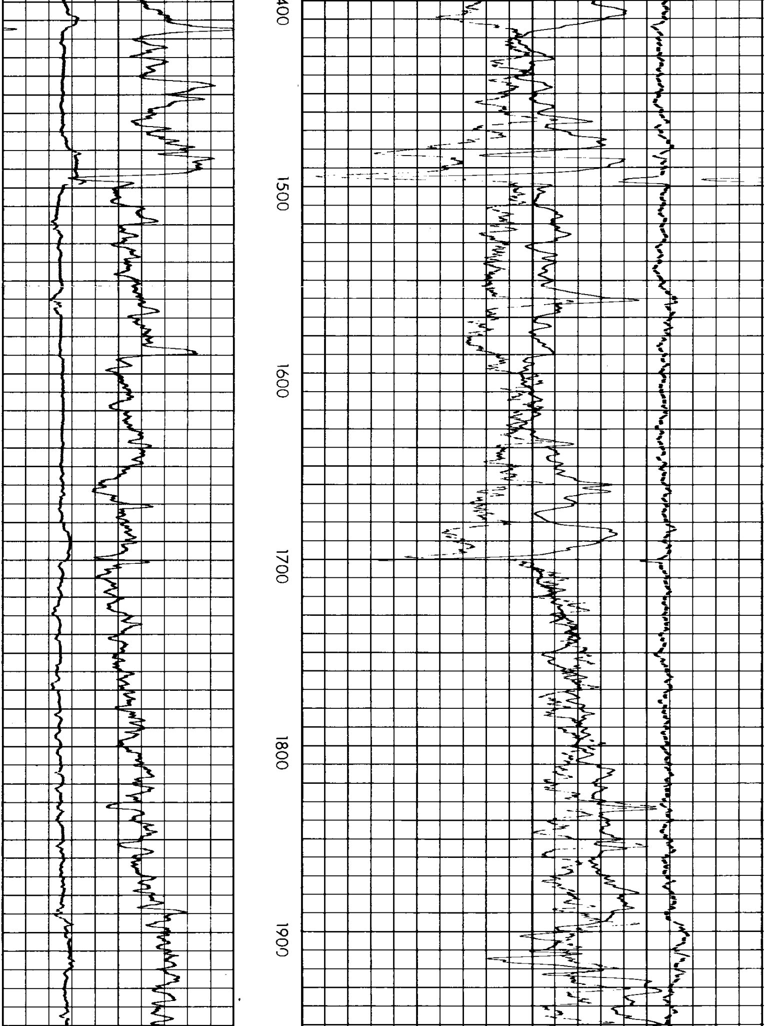
−.25 0 +.25

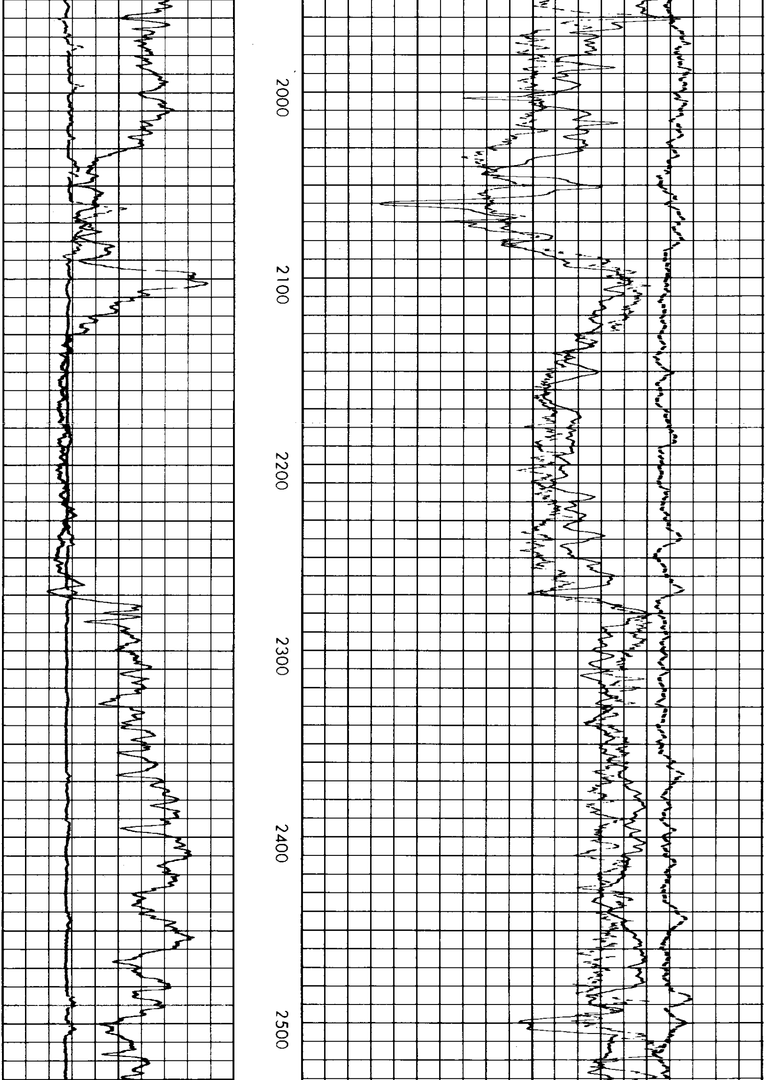
40 30 20 10 0

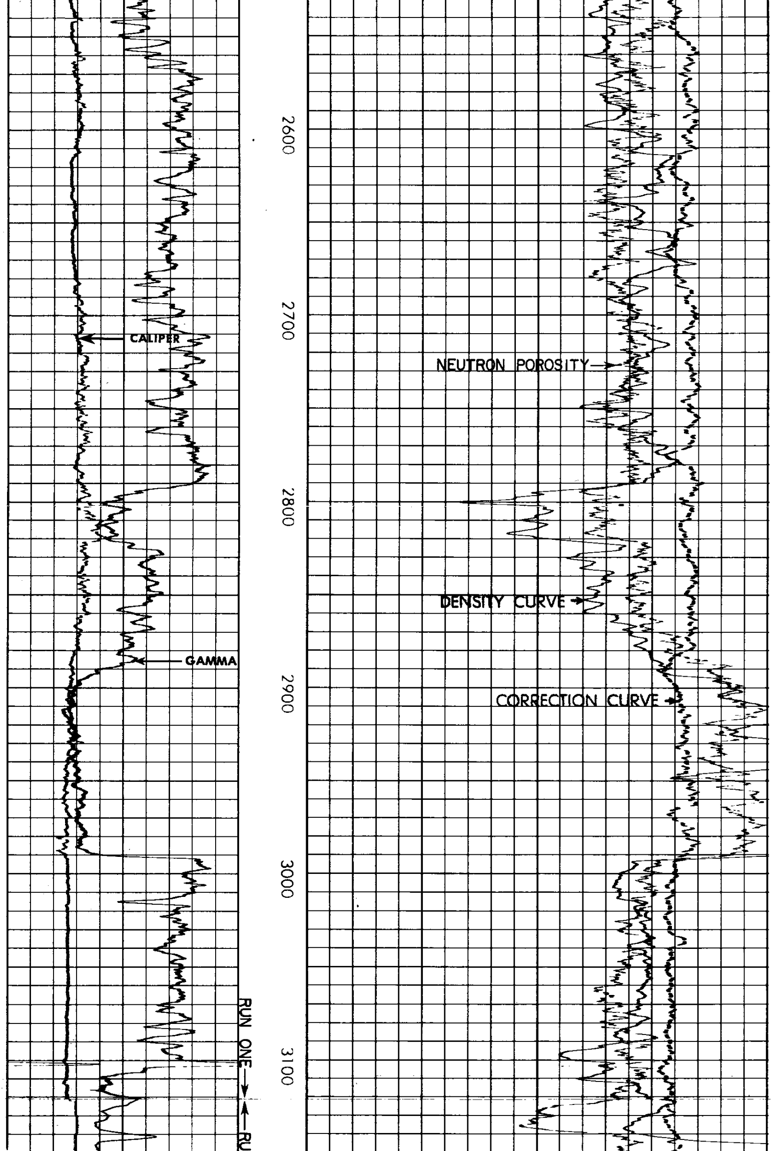
Sandstone Porosity DENSITY & NEUTRON

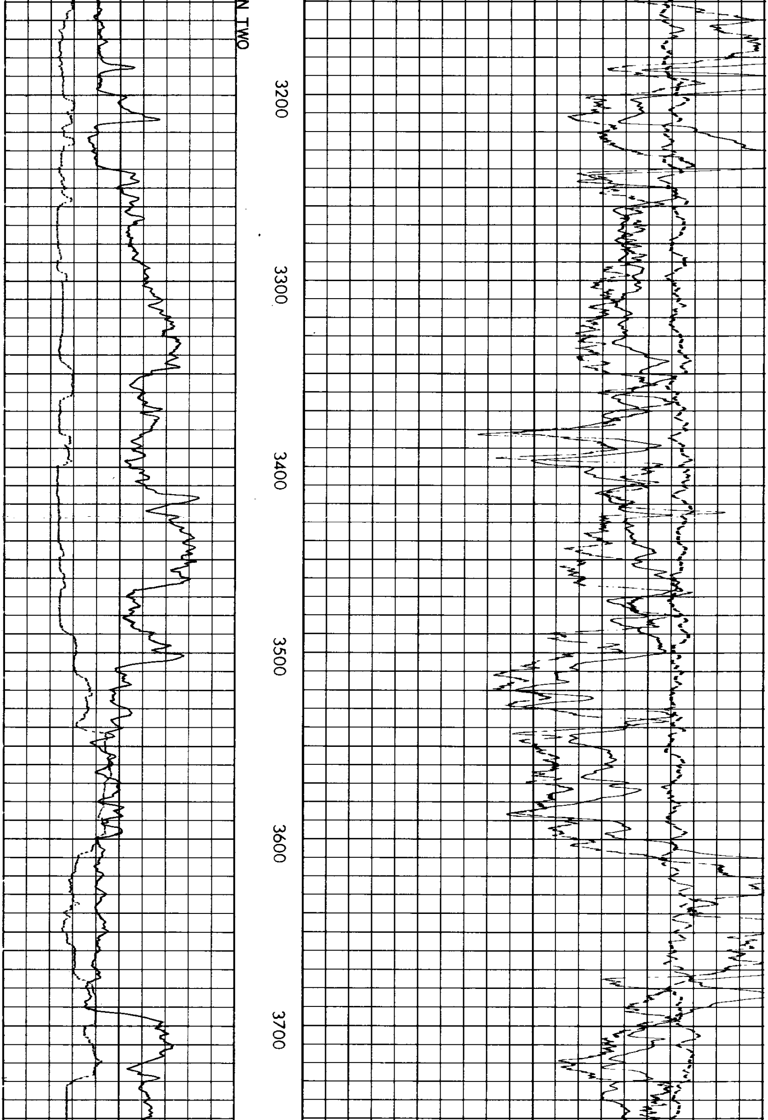


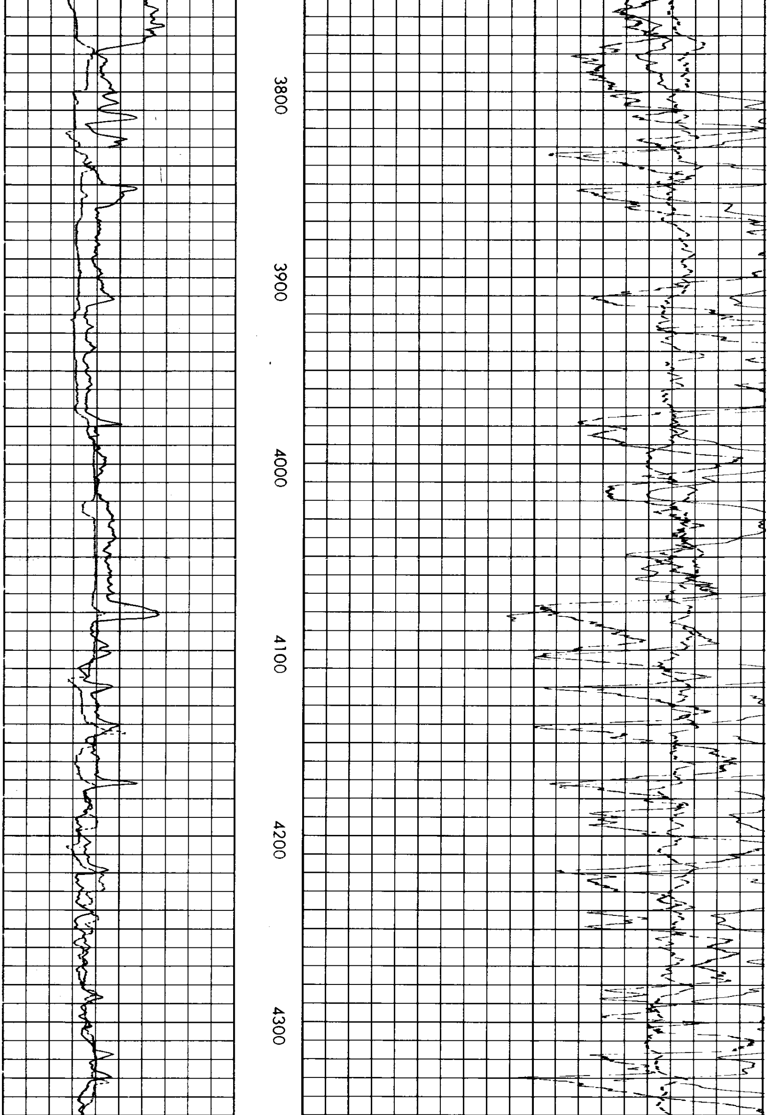


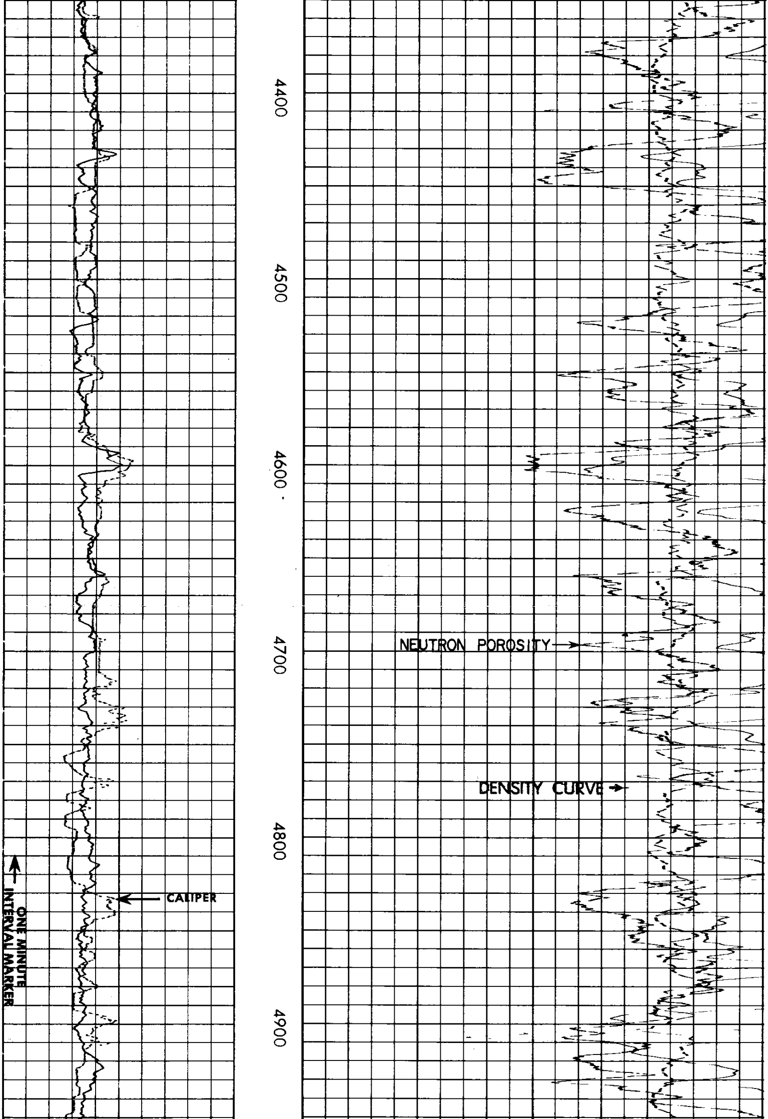


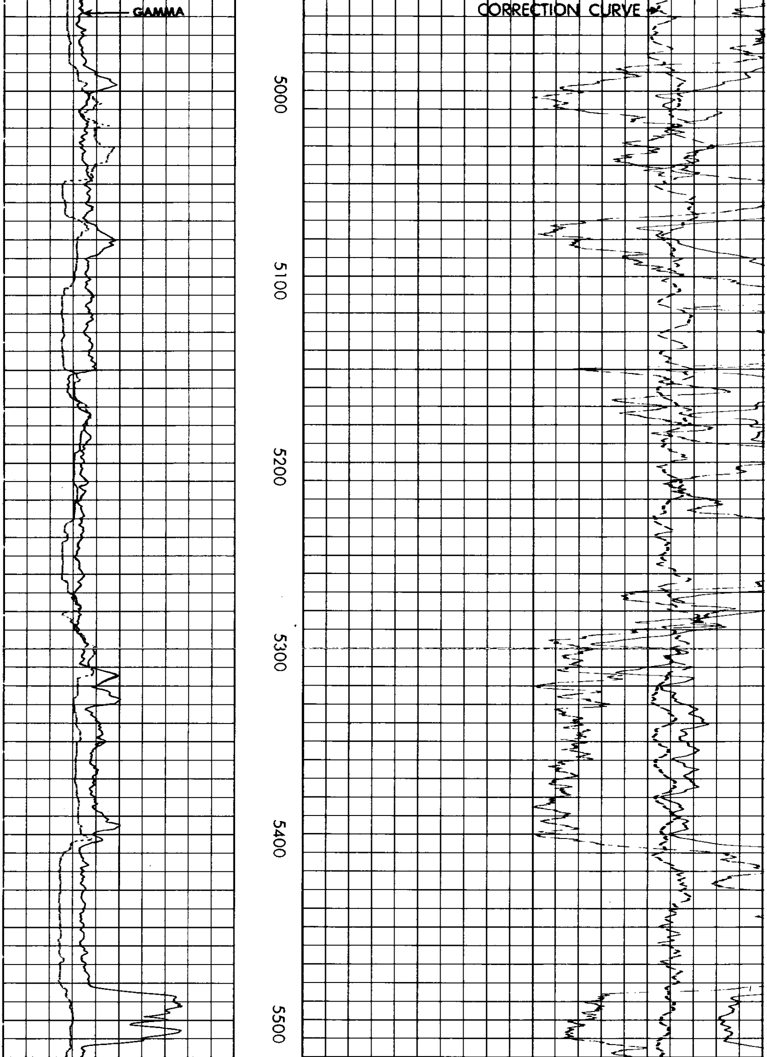


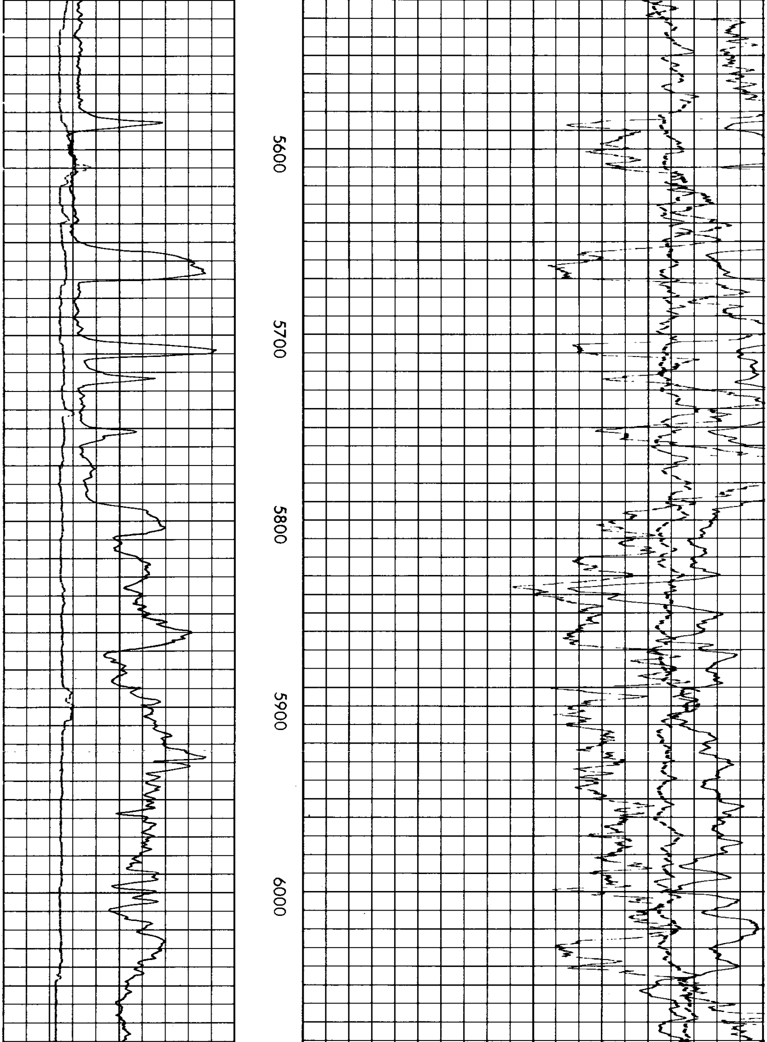


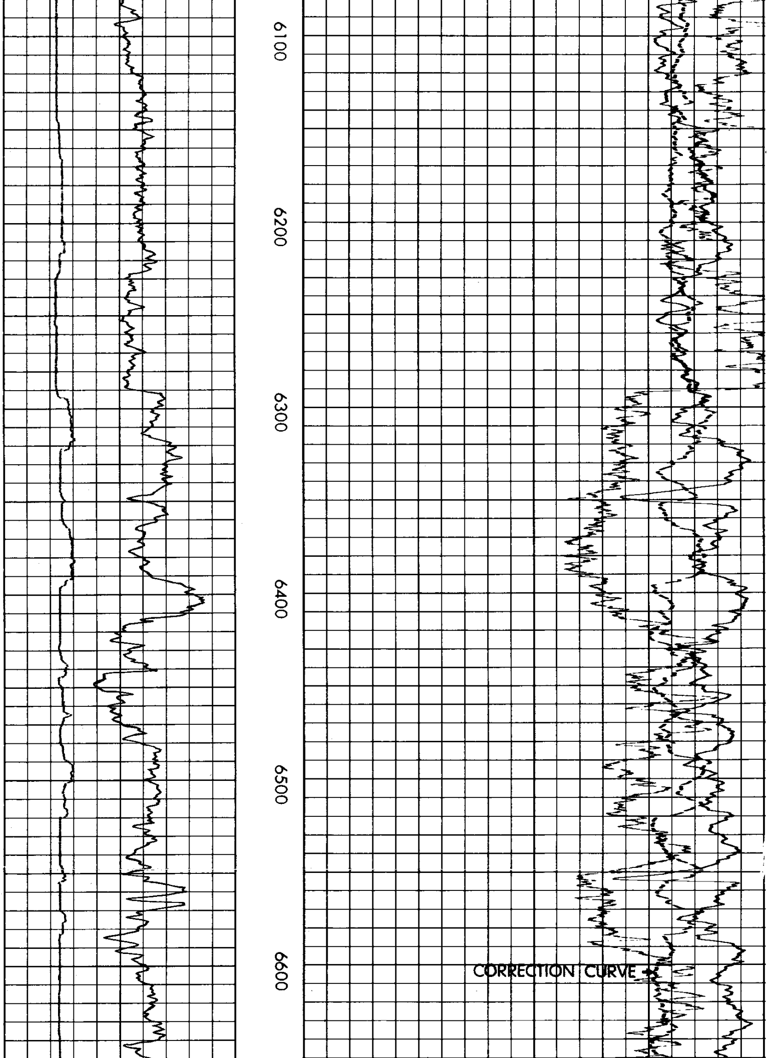


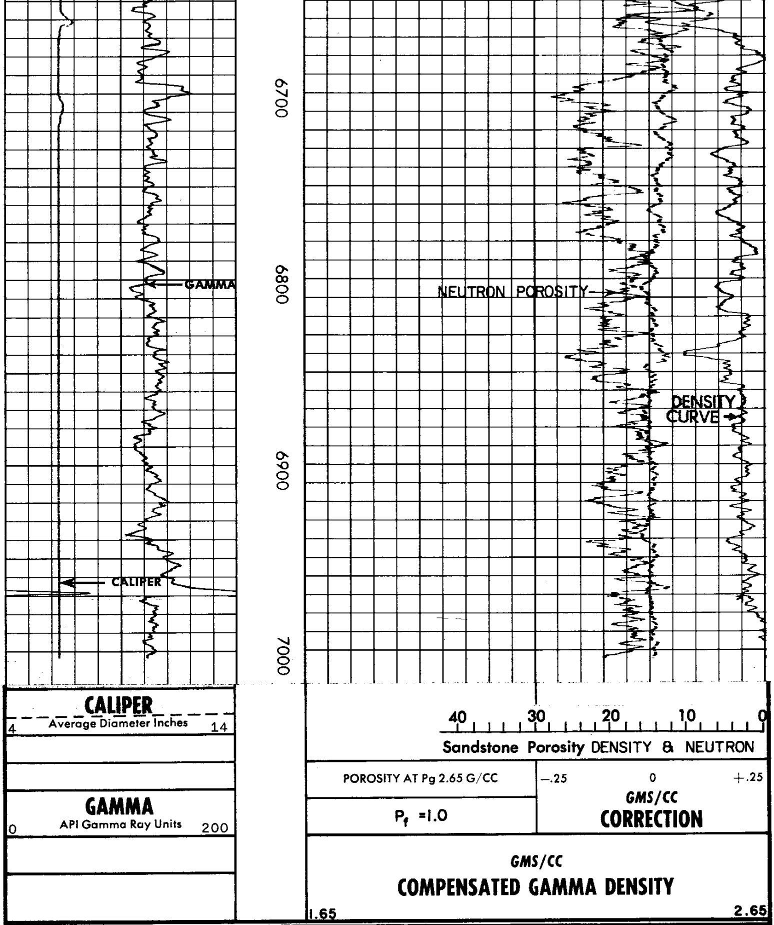










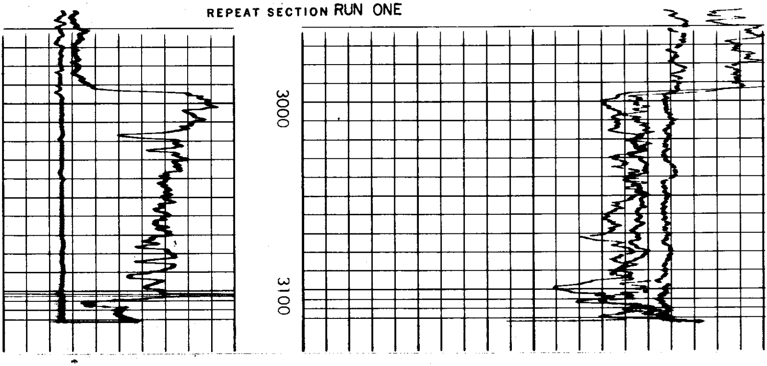


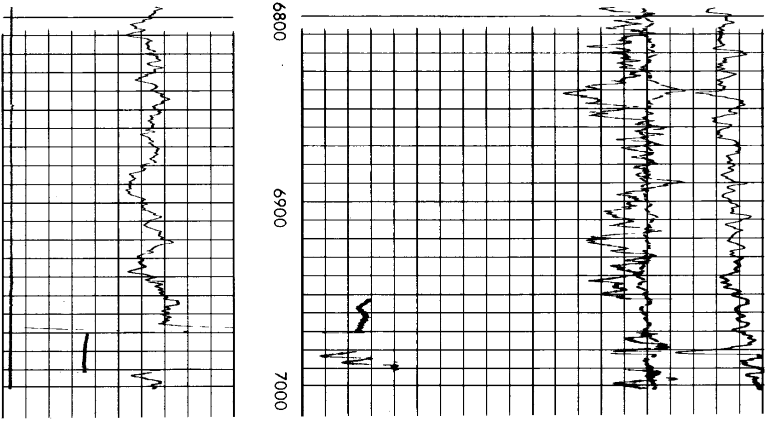
AMERICAN QUASAR PETROLEUM COMPANY
LONG VIEW FIBER 25-33
WILDCAT ,
COLUMBIA COUNTY, OREGON

| | |
|---|---|
| T.D. LOGGED | 6998 |
| T.D. DRILLER | 7000 |
| T.D. WELEX | 7000 |

ELEV: KB 789.5 GL 777.5

## REPEAT SECTION RUN ONE



## REPEAT SECTION RUN TWO