COUNTY LINN
FIELD ALBANY
LOCATION 17-10S-3W
WELL HENSCHELL NO. 17-34
COMPANY AMERICAN QUASAR

**Schlumberger**

# BOREHOLE COMPENSATED SONIC LOG

**COMPANY** AMERICAN QUASAR PETROLEUM COMPANY

**WELL** HENSCHELL NO. 17-34

**FIELD** ALBANY

**COUNTY** LINN **STATE** OREGON

LOCATION 1320'FEL & 990'FSL

| API SERIAL NO. | SEC. | TWP | RANGE |
|---|---|---|---|
| | 17 | 10S | 3W |

Other Services:
DIL
HDT
FDC/CNL/GR

Permanent Datum: GL ; Elev.: 200
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 210.5
D.F. --
G.L. 200.0

| | | | | |
|---|---|---|---|---|
| Date | 12-13-80 | | | |
| Run No. | ONE | | | |
| Depth—Driller | 2856 | | | |
| Depth—Logger (Schl.) | 2856 | | | |
| Btm. Log Interval | 2815 | | | |
| Top Log Interval | 515 | | | |
| Casing—Driller | 7" @ 515 | @ | @ | @ |
| Casing—Logger | 515 | | | |
| Bit Size | $6\frac{1}{4}$" | | | |
| Type Fluid in Hole | LIGNOSULFONATE | | | |
| Dens. \| Visc. | 10.6 \| 40 | \| | \| | \| |
| pH \| Fluid Loss | 10 \| 6 ml | \| ml | \| ml | \| ml |
| Source of Sample | CIRCULATION | | | |
| Rm @ Meas. Temp. | 0.4 @65 °F | @ °F | @ °F | @ °F |
| Rmf @ Meas. Temp. | 0.36 @59 °F | @ °F | @ °F | @ °F |
| Rmc @ Meas. Temp. | 0.59 @65 °F | @ °F | @ °F | @ °F |
| Source: Rmf \| Rmc | M \| M | \| | \| | \| |
| Rm @ BHT | 0.3 @86 °F | @ °F | @ °F | @ °F |
| TIME Circulation Stopped | 0400 | | | |
| TIME Logger on Bottom | 0800 | | | |
| Max. Rec. Temp. | 86 °F | °F | °F | °F |
| Equip. \| Location | 8126 \| SAC | \| | \| | \| |
| Recorded By | ANDERSEN | | | |
| Witnessed By | SMITH/MANN | | | |

JAN [illegible] 1981
DEPT OF GEOLOGY

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

| | | | | |
|---|---|---|---|---|
| Run No. | ONE | | | |
| Service Order No. | 205765 | | | |
| Fluid Level | FULL | | | |
| | | | | |
| | | | | |

## EQUIPMENT DATA

| | | | | |
|---|---|---|---|---|
| Sonic Panel No. | 443 | | | |
| Sonic Cart No. | 592 | | | |
| Sonic Sonde No. | 347 | | | |
| Mem. Panel No. | - | | | |
| G.R. Cart. No. | - | | | |
| G.R. Panel No. | - | | | |
| Caliper No. | 1237 | | | |
| TTR No. | - | | | |
| Centralizers: No. | - | | | |
| Type | - | | | |
| Standoffs: No. | - | | | |
| Type | - | | | |
| Time Const.-Sec. | - | | | |
| Speed - F.P.M. | - | | | |
| | | | | |
| | | | | |

## CALIBRATION DATA

| | | | | | |
|---|---|---|---|---|---|
| GR | BKG. CPS | - | | | |
| | Source CPS | - | | | |
| | Tc Sec | .. | | | |
| | | | | | |

## SCALE CHANGES

| Type Log | Depth | Scale Up Hole | Scale Down Hole |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

## LOGGING DATA

| Porosity Selectors | | | | Depth | |
|---|---|---|---|---|---|
| $\Delta t_m$ | $\Delta t_f$ | Cp | Ø Scale | From | To |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## REMARKS

$$\text{Velocity (ft/sec)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

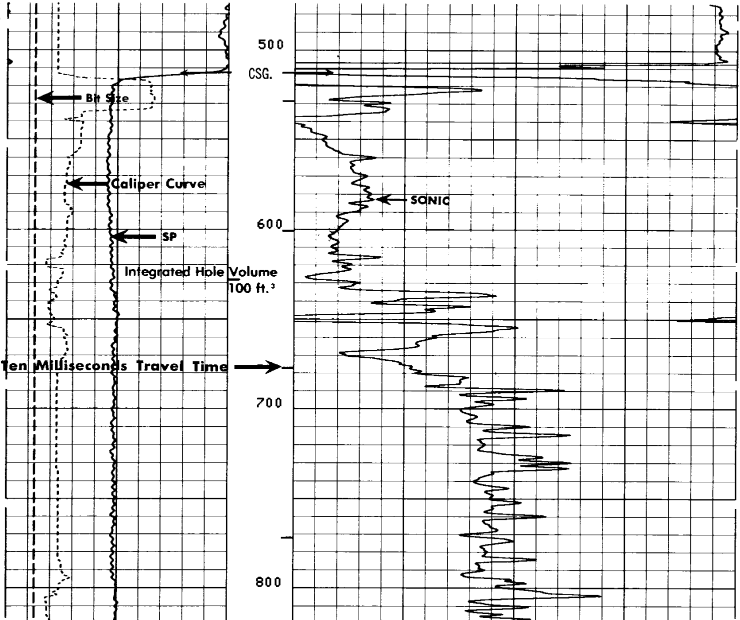
PARAMETERS

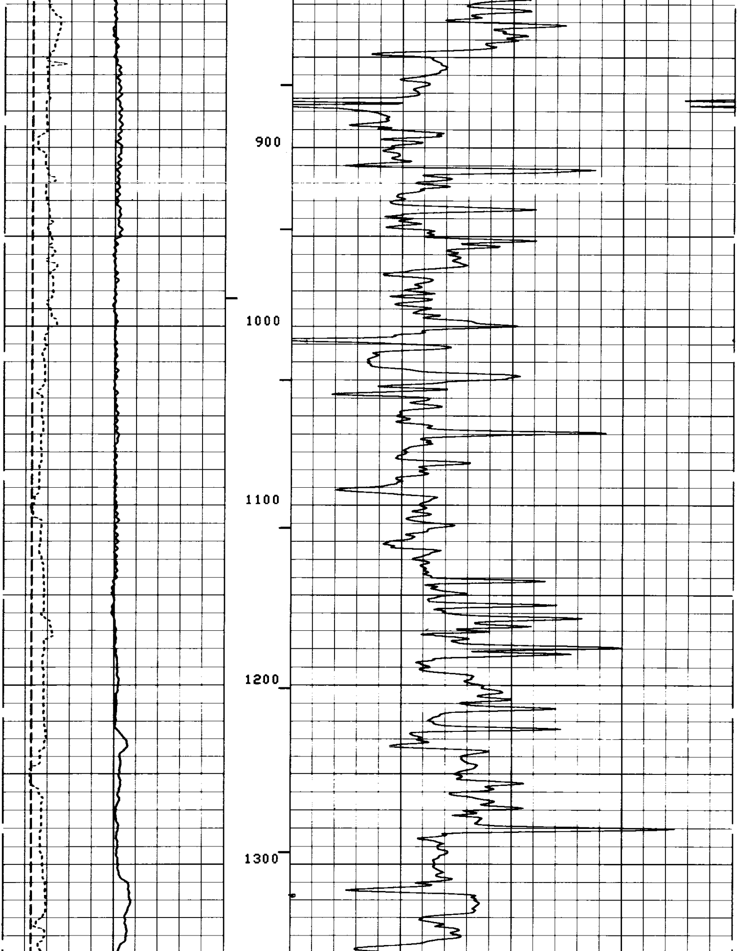
| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DTM | US/F | 56.00 | CDTS | | 100.0 | BS | INCH | 6.250 |
| SBR | OHMM | 1.000 | DSEC | MM/M | 5.000 | DTF | US/F | 189.0 |
| FPHI | | SPHI | MSEC | MM/M | 6.200 | | | |
| DO | | 0.0 | BHS | | OPEN | | | |

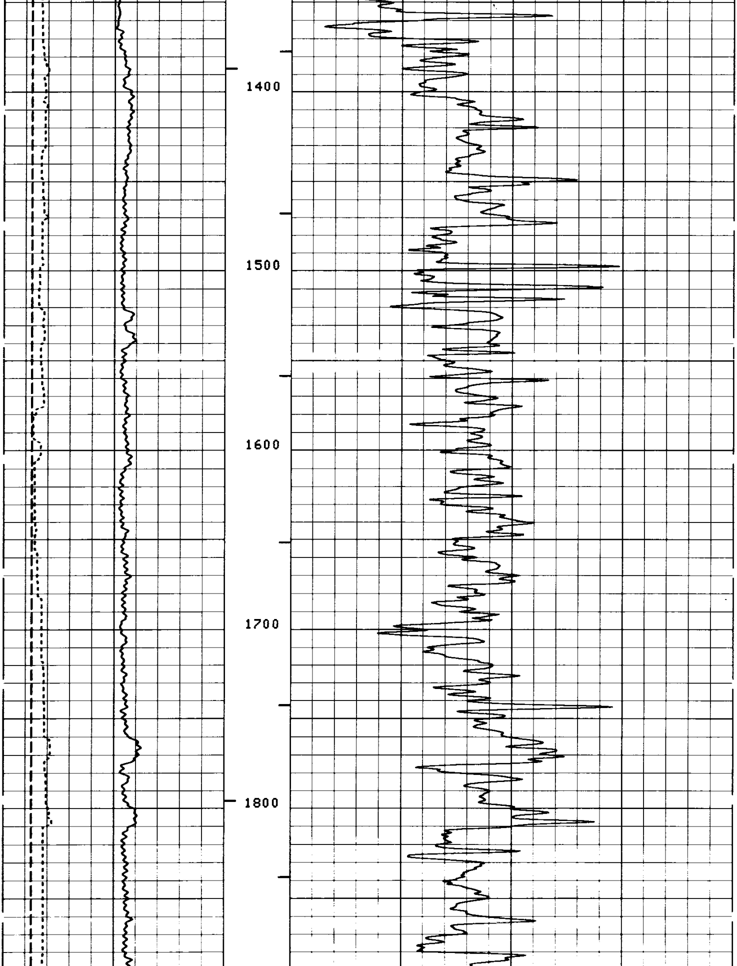
| | |
|---|---|
| BS (IN )<br>5.000 15.00<br>CALI(IN )<br>5.000 15.00<br>SP (MV )<br>-120.0 -20.00 | DT (US/F)<br>150.0 50.00 |

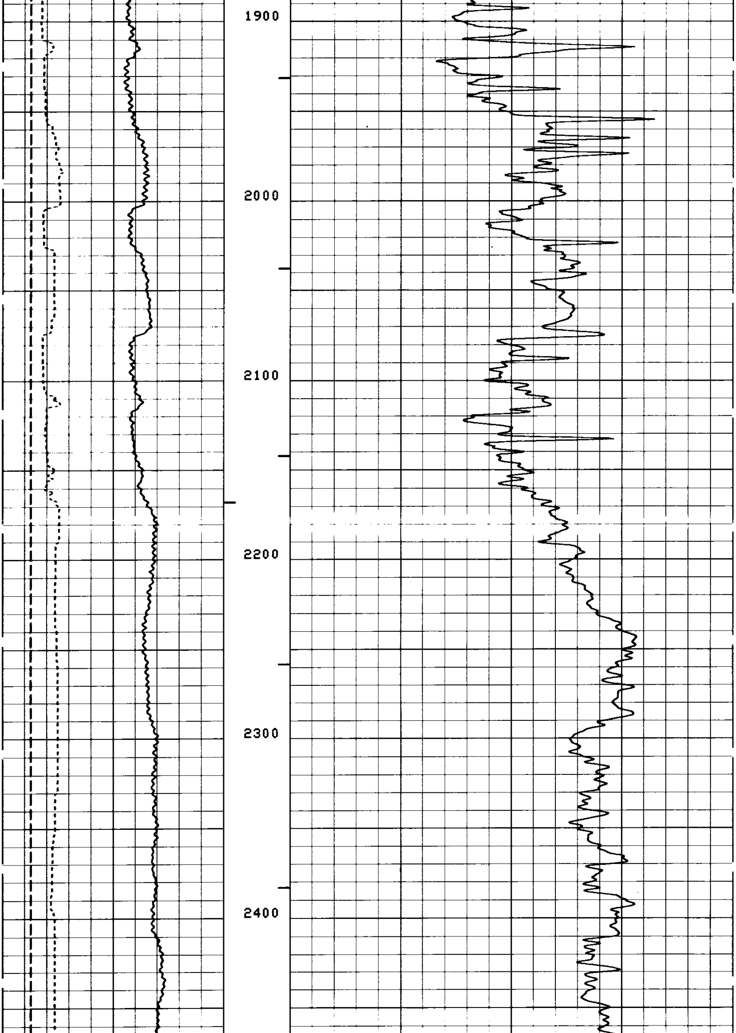
FILE

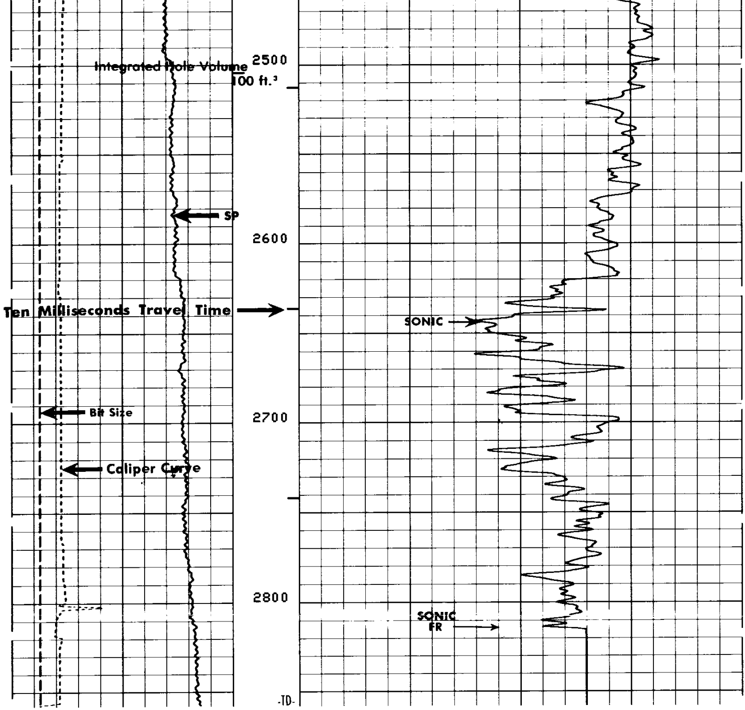
6











FILE

6

| | | |
|---|---|---|
| BS (IN ) | | DT (US/F) |
| 5.000 — 15.00 | | |
| CALI(IN ) | | |
| 5.000 — 15.00 | | |
| SP (MV ) | | |
| -120.0 — -20.00 | | 150.0 — 50.00 |

PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DTM | US/F | 56.00 | CDTS | | 100.0 | BS | INCH | 6.250 |
| SBR | OHMM | 1.000 | DSEC | MM/M | 5.000 | DTF | US/F | 189.0 |
| FPHI | | SPHI | MSEC | MM/M | 6.200 | | | |
| DO | | 0.0 | BHS | | OPEN | | | |

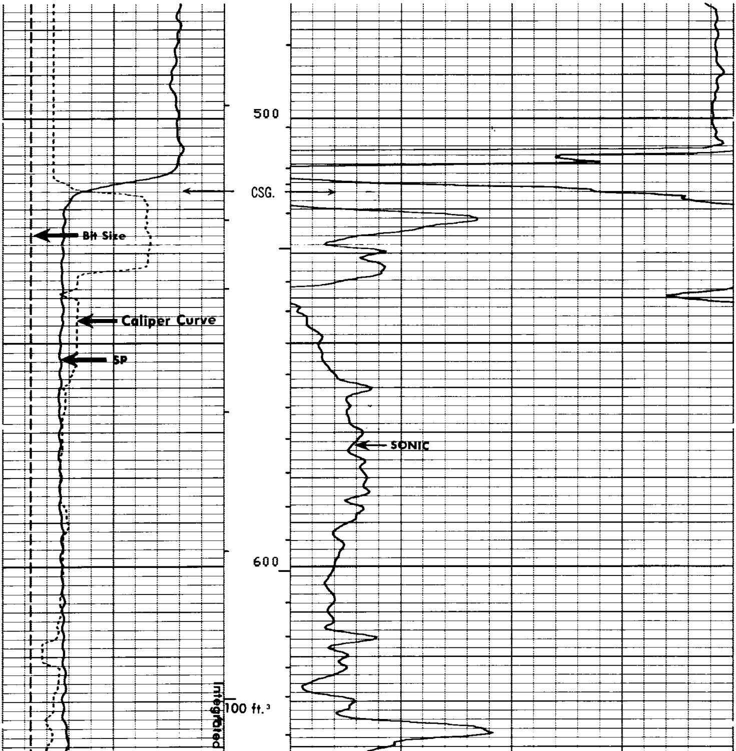
## PARAMETERS

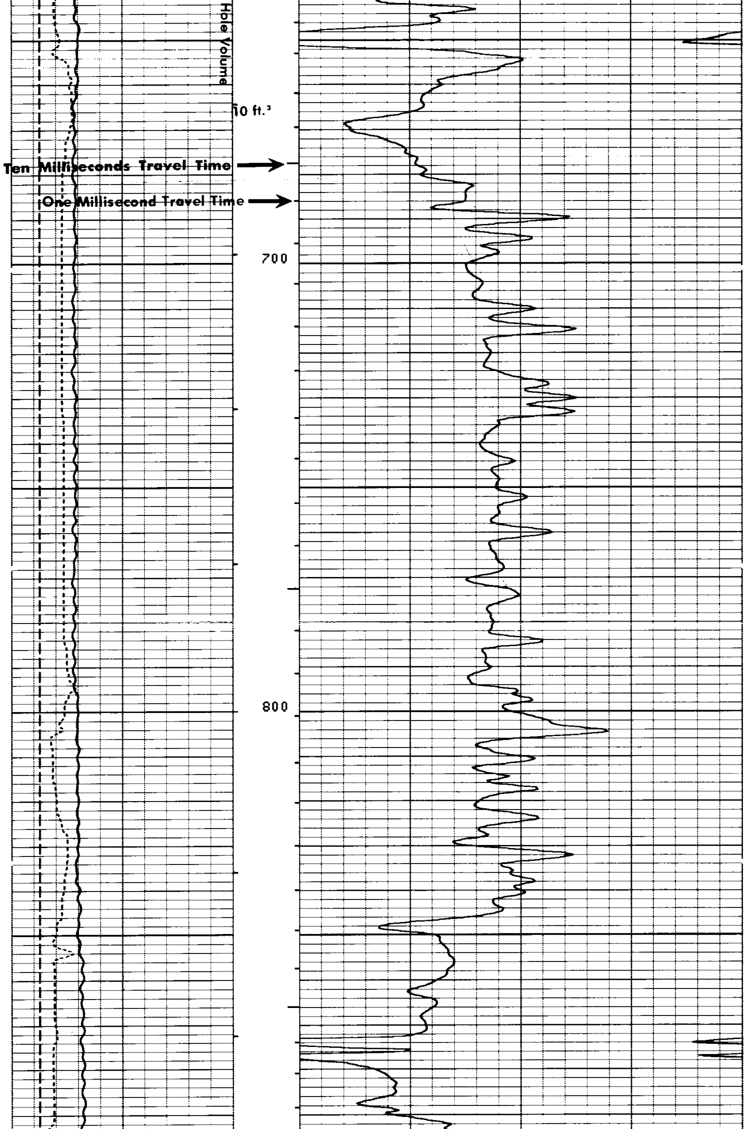
| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DTM | US/F | 56.00 | CDTS |  | 100.0 | BS | INCH | 6.250 |
| SBR | OHMM | 1.000 | DSEC | MM/M | 5.000 | DTF | US/F | 189.0 |
| FPHI |  | SPHI | MSEC | MM/M | 6.200 |  |  |  |
| DO |  | 0.0 | BHS |  | OPEN |  |  |  |

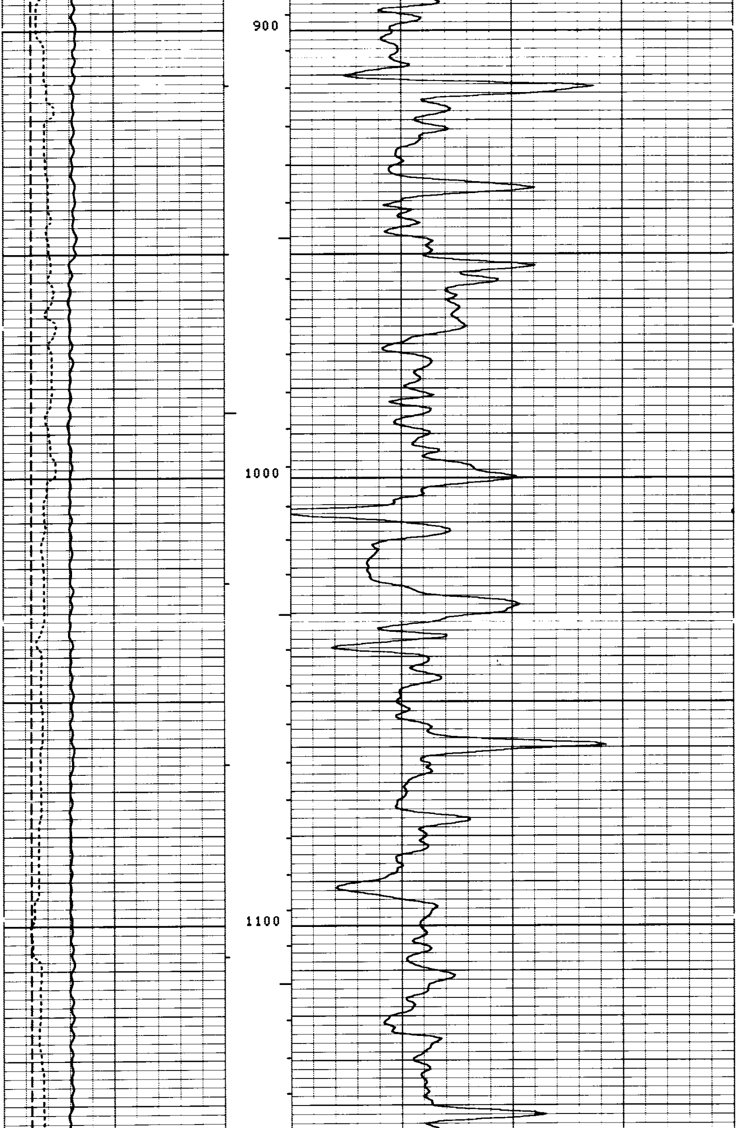
BS (IN )
5.000 15.00
CALI(IN )
5.000 15.00
SP (MV )
-100.0 0.0

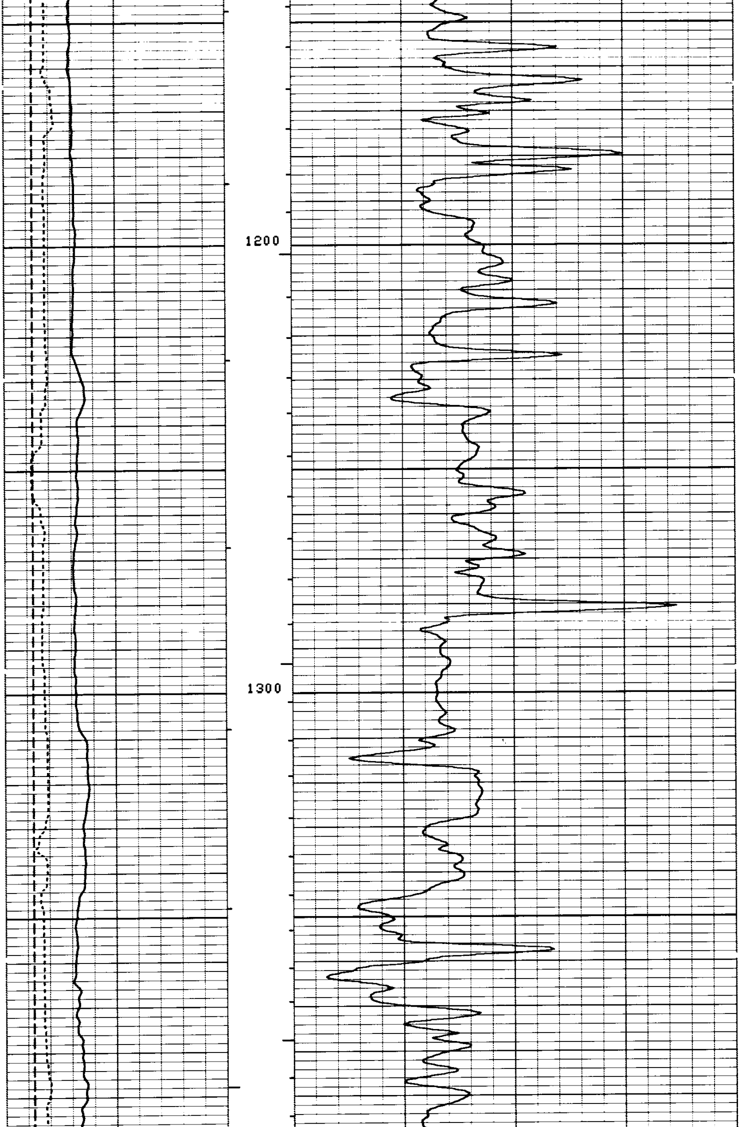
DT (US/F)
150.0 50.00

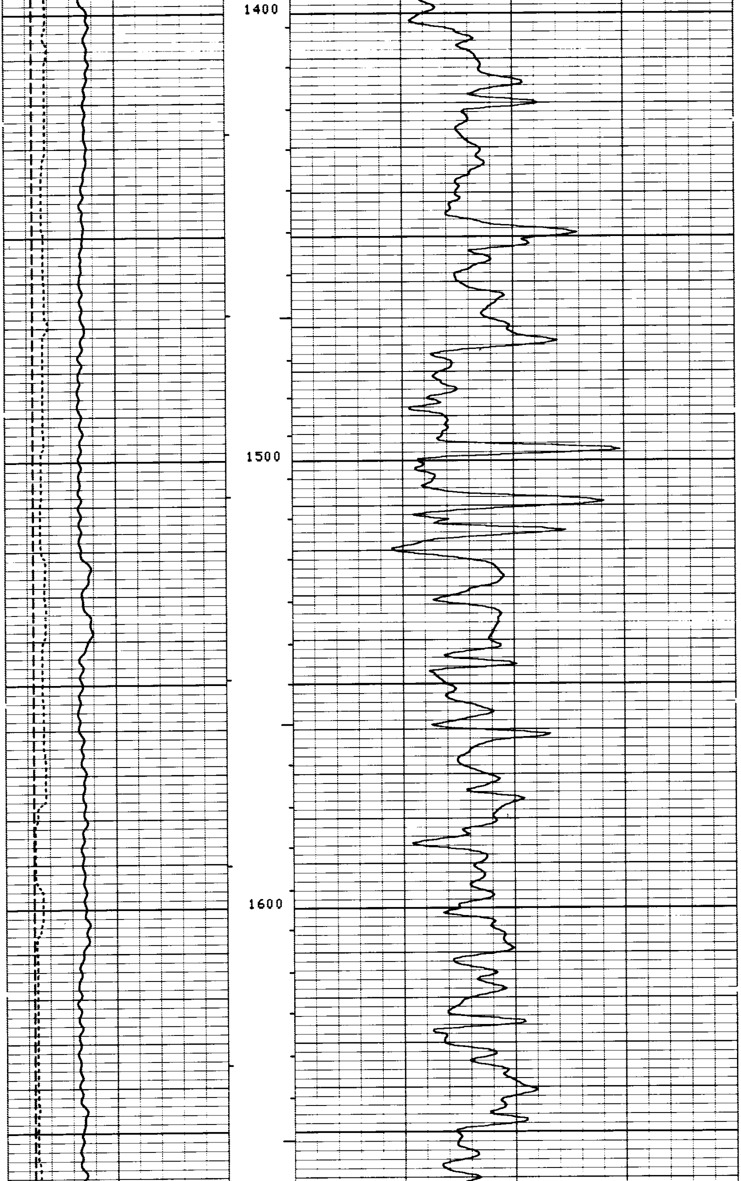
FILE
6

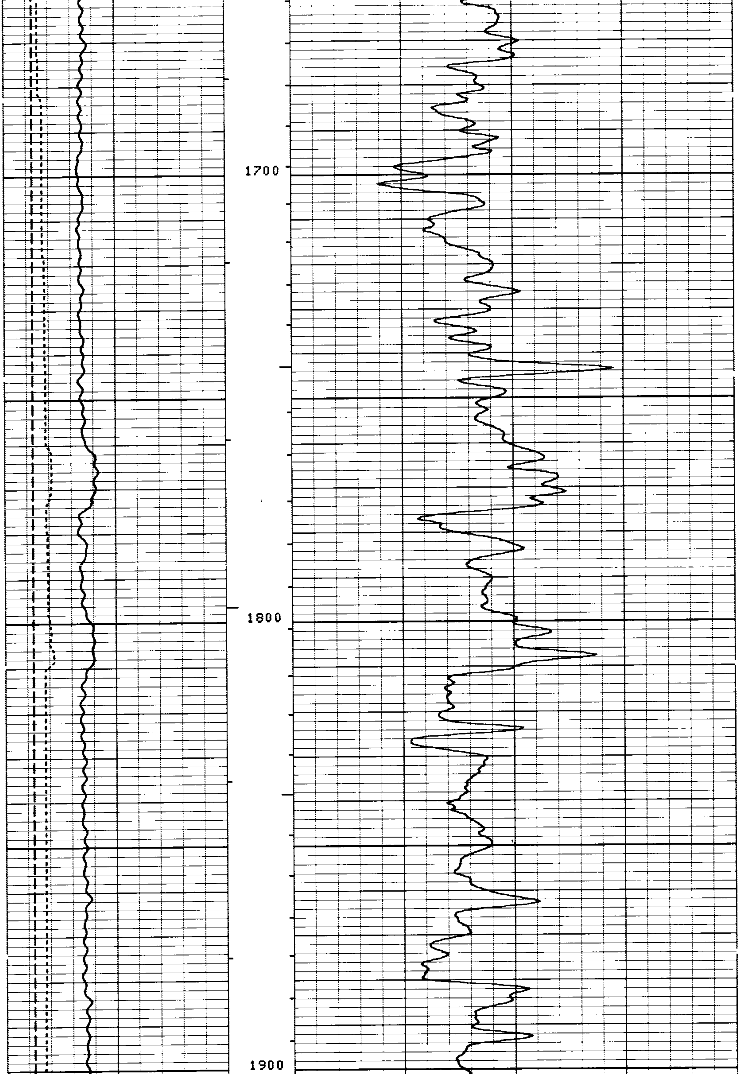


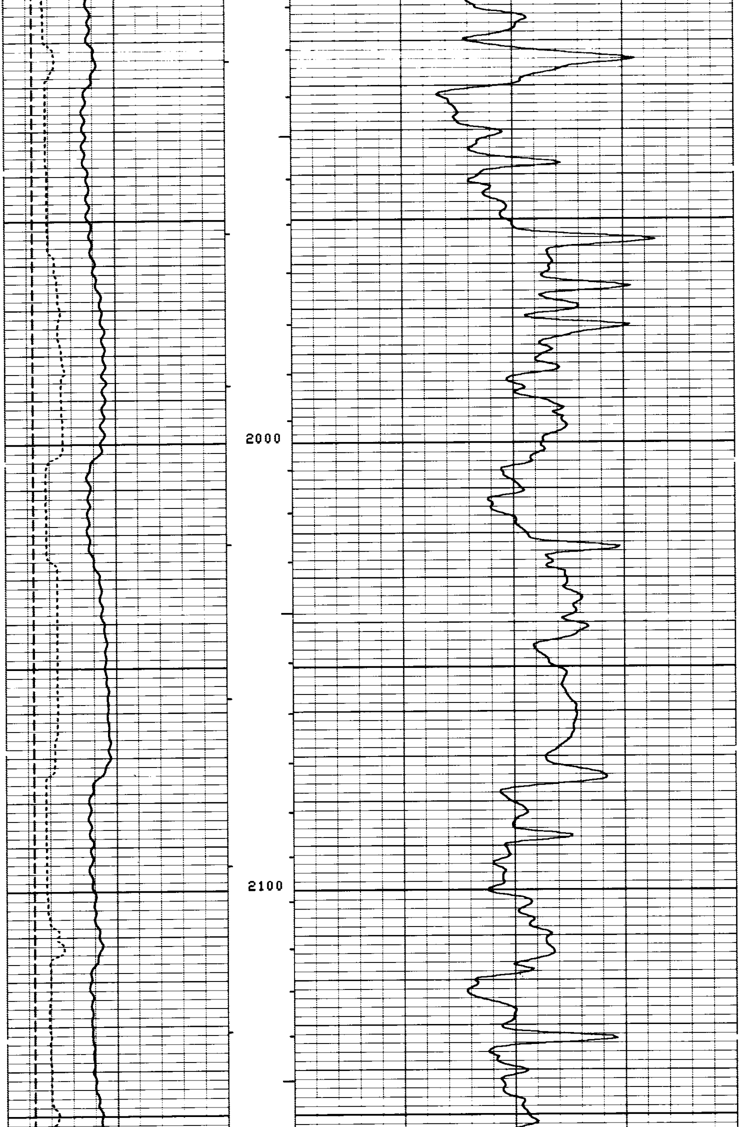


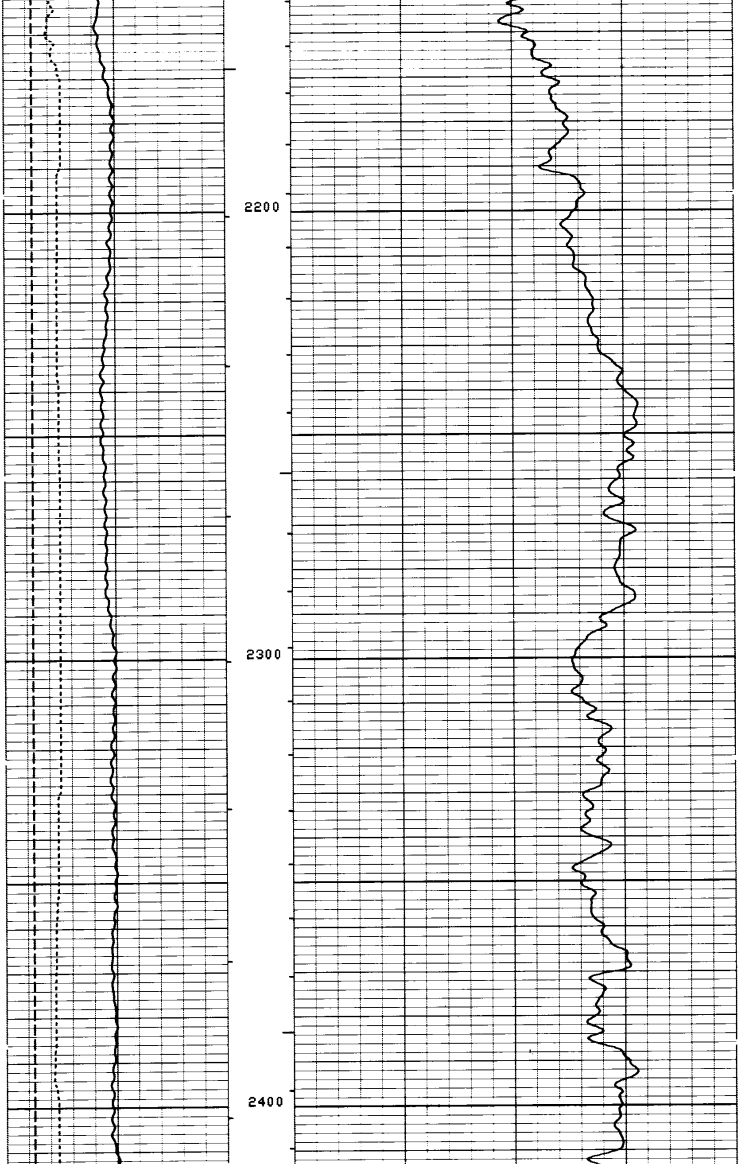


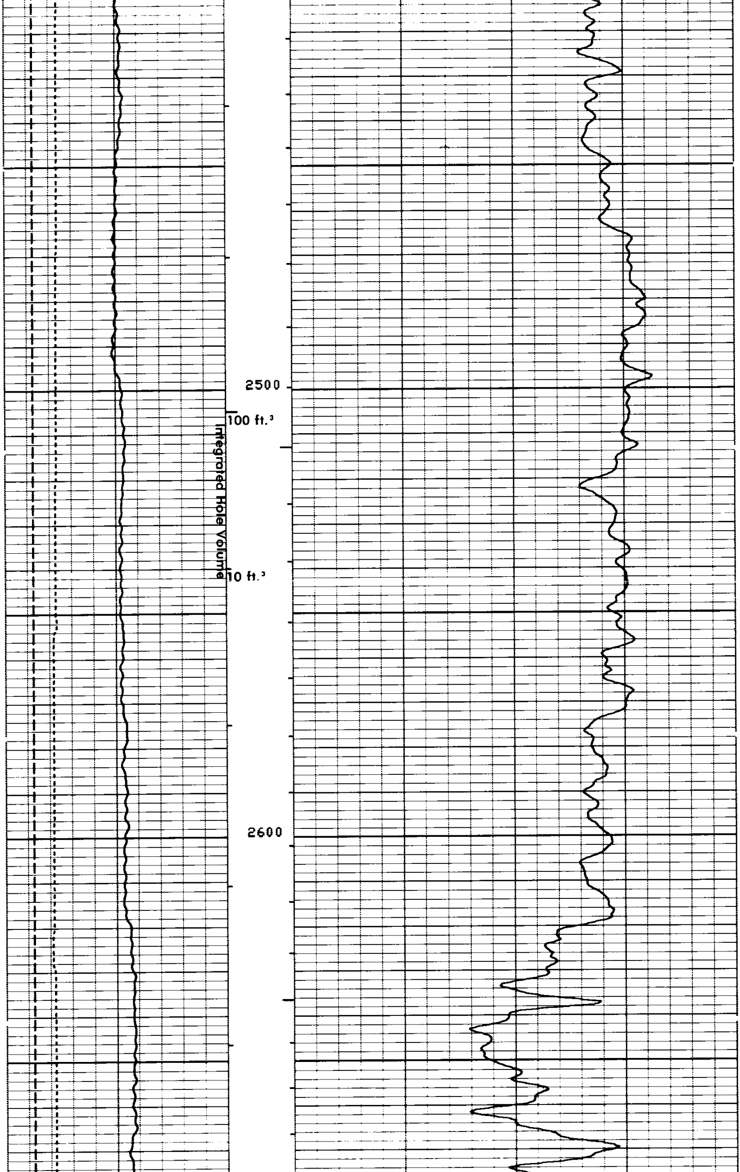


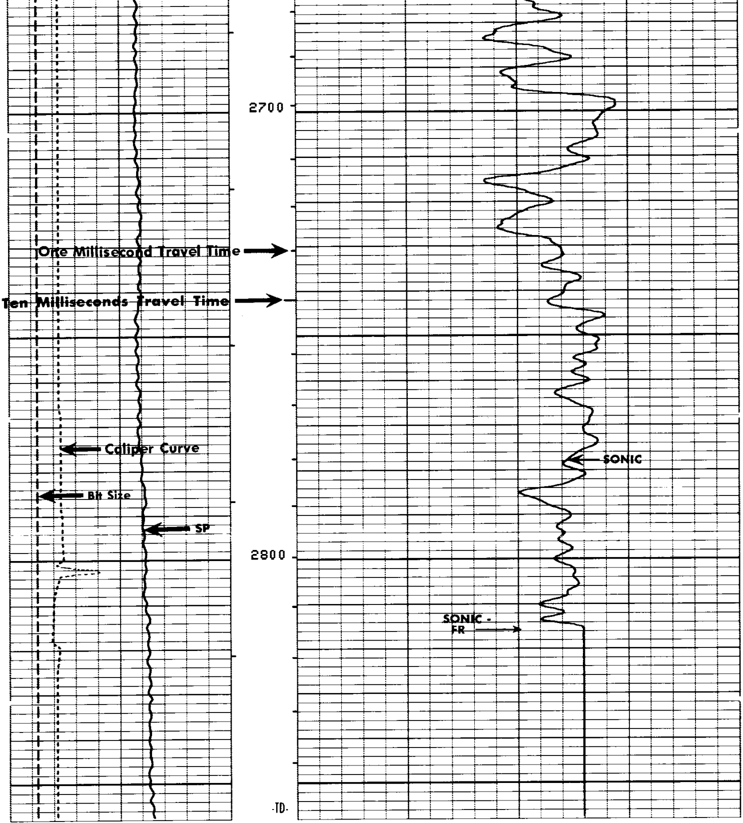












FILE

6

BS (IN )
5.000 15.00
CALI(IN )
5.000 15.00
SP (MV )
-100.0 0.0

DT (US/F)
150.0 50.00

PARAMETERS

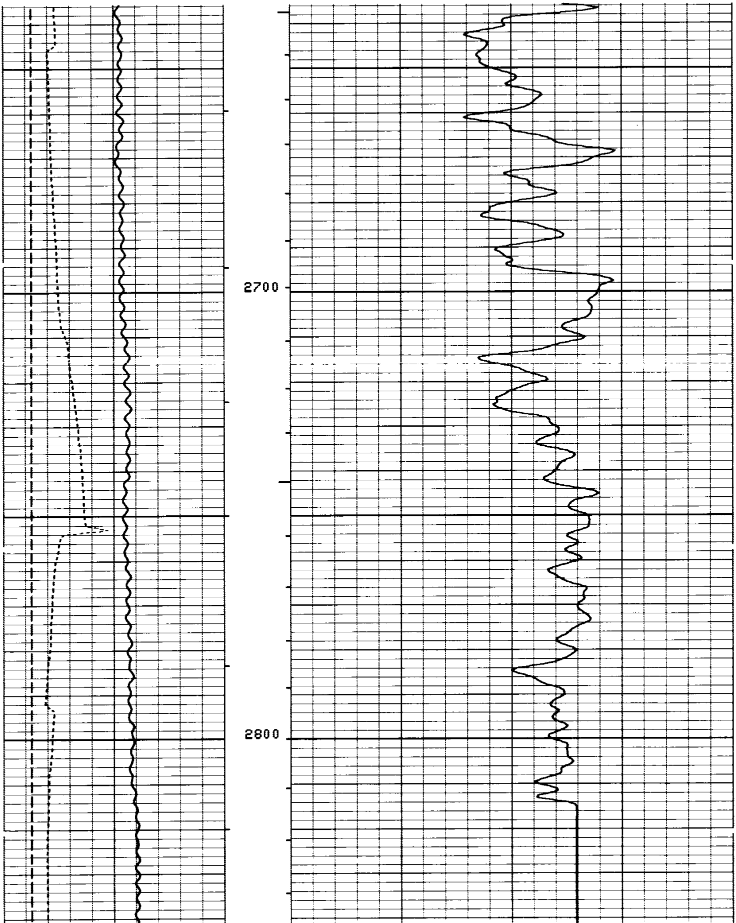
| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|

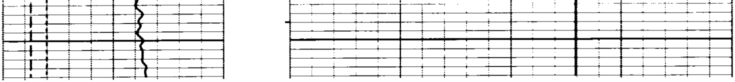
|  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|
| DTM | US/F | 56.00 | CDTS |  | 100.0 | BS | INCH | 6.250 |
| SBR | OHMM | 1.000 | DSEC | MM/M | 5.000 | DTF | US/F | 189.0 |
| FPHI |  | SPHI | MSEC | MM/M | 6.200 |  |  |  |
| DO |  | 0.0 | BHS |  | OPEN |  |  |  |

REPEAT SECTION REPEAT SECTION REPEAT SECTION REPEAT SECTION

FILE

5





FILE

5

## PARAMETERS

| NAME | UNIT | VALUE | NAME | UNIT | VALUE | NAME | UNIT | VALUE |
|---|---|---|---|---|---|---|---|---|
| DTM | US/F | 56.00 | CDTS | | 100.0 | BS | INCH | 6.250 |
| SBR | OHMM | 1.000 | DSEC | MM/M | 5.000 | DTF | US/F | 189.0 |
| FPHI | | SPHI | MSEC | MM/M | 6.200 | | | |
| DO | | 0.0 | BHS | | OPEN | | | |

BS (IN )
5.000 15.00
CALI(IN )
5.000 15.00
SP (MV )
-100.0 0.0

DT (US/F)
150.0 50.00

COMPANY AMERICAN QUASAR PETROLEUM COMPANY
WELL HENSCHELL NO. 17-34
FIELD ALBANY

SCHL. FR 2815
SCHL. TD 2856
DRLR. TD 2856
Elev: KB 210.5