Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY
FIELD
LOCATION
WELL
COMPANY

RECEIVED-PTLD
FEB 24 1982
DEPT OF GEOLOGY

COMPANY AMERICAN QUASAR PETROLEUM

Kenneth Wetgen et al 26-32
WELL WETGEN 26-32

FIELD HALSEY

COUNTY LINN STATE OREGON

LOCATION	1980' FNL 1980' FEL		
API SERIAL NO.	SEC. 26	TWP 13S	RANGE 4W

Other Services:
DIL·FDC·CNL·GR
HDT·ST

Permanent Datum: GL ; Elev.: 266
Log Measured From KB 11 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 277
D.F.
G.L. 266

Date	8/21/81			
Run No.	ONE			
Depth—Driller	2620			
Depth—Logger (Schl.)	2620			
Btm. Log Interval	2605			
Top Log Interval	516			
Casing—Driller	7" @ 516	@	@	@
Casing—Logger	516			
Bit Size	6¼			
Type Fluid in Hole	DRISPAC			
Dens. | Visc.	10.5 | 43	|	|	|
pH | Fluid Loss	8.0 | — ml	| ml	| ml	| ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	.044 @ 69 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.041 @ 57 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.101 @ 68 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M	|	|	|
Rm @ BHT	.034 @ 90 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	01:45			
TIME Logger on Bottom	09:30			
Max. Rec. Temp.	90 °F	°F	°F	°F
Equip. | Location	8126 | SAC	|	|	|
Recorded By	MACMILLAN			
Witnessed By	MANN			

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

Run No.	ONE			
Service Order No.	213365			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	SLM·DA·383			
Sonic Cart No.	SLC·FA·1321			
Sonic Sonde No.	SLS·RC·346			
Mem. Panel No.	CPU·CAA·375			
G.R. Cart. No.	—			
G.R. Panel No.	—			
Caliper No.	MCD·DA·290			
TTR No.	MTU·D·2702			
Centralizers: No.	1			
Type	CAL			
Standoffs: No.	—			
Type	—			
Time Const.-Sec.	—			
Speed - F.P.M.				

CALIBRATION DATA

GR	BKG. CPS	34.78			
	Source CPS	182.0			
	Tc Sec	AUTO			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

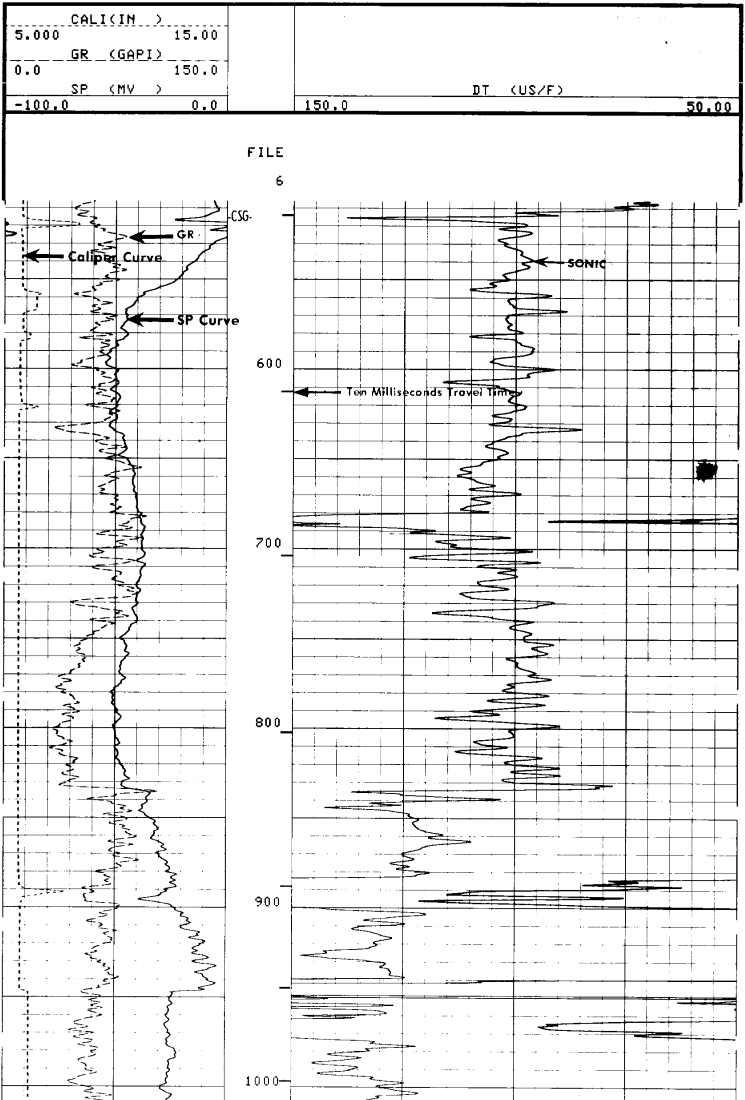
LOGGING DATA

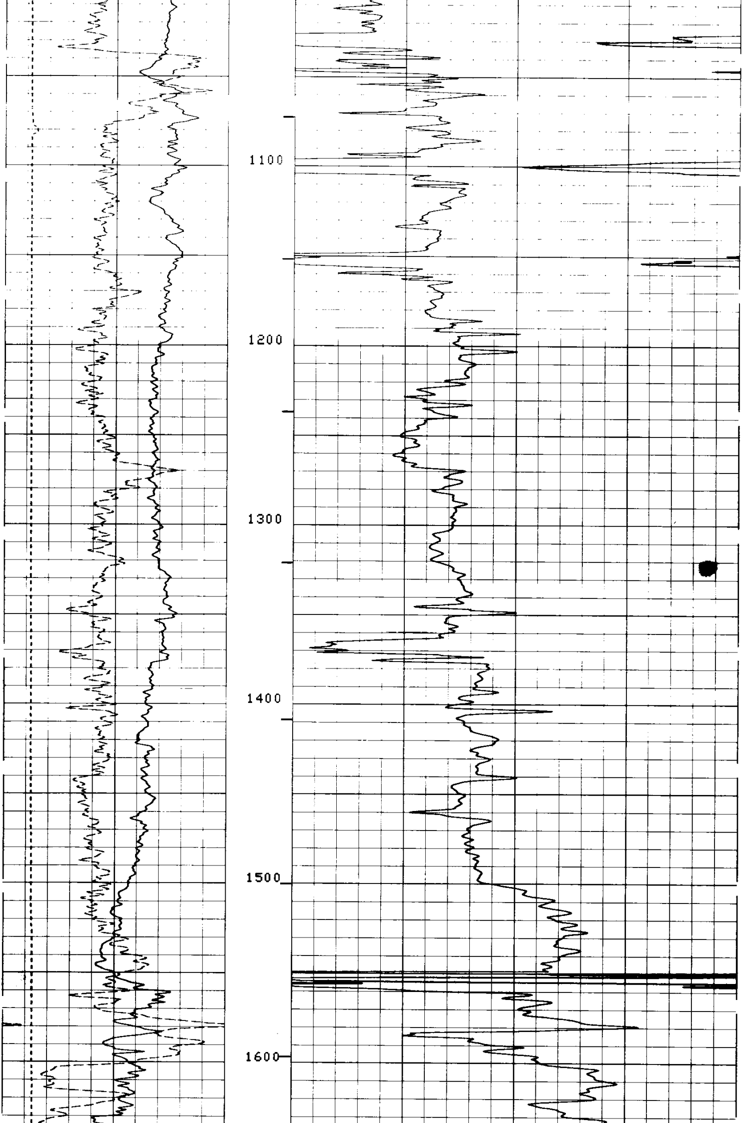
Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Ø Scale	From	To
57	189	100		TD	CSG

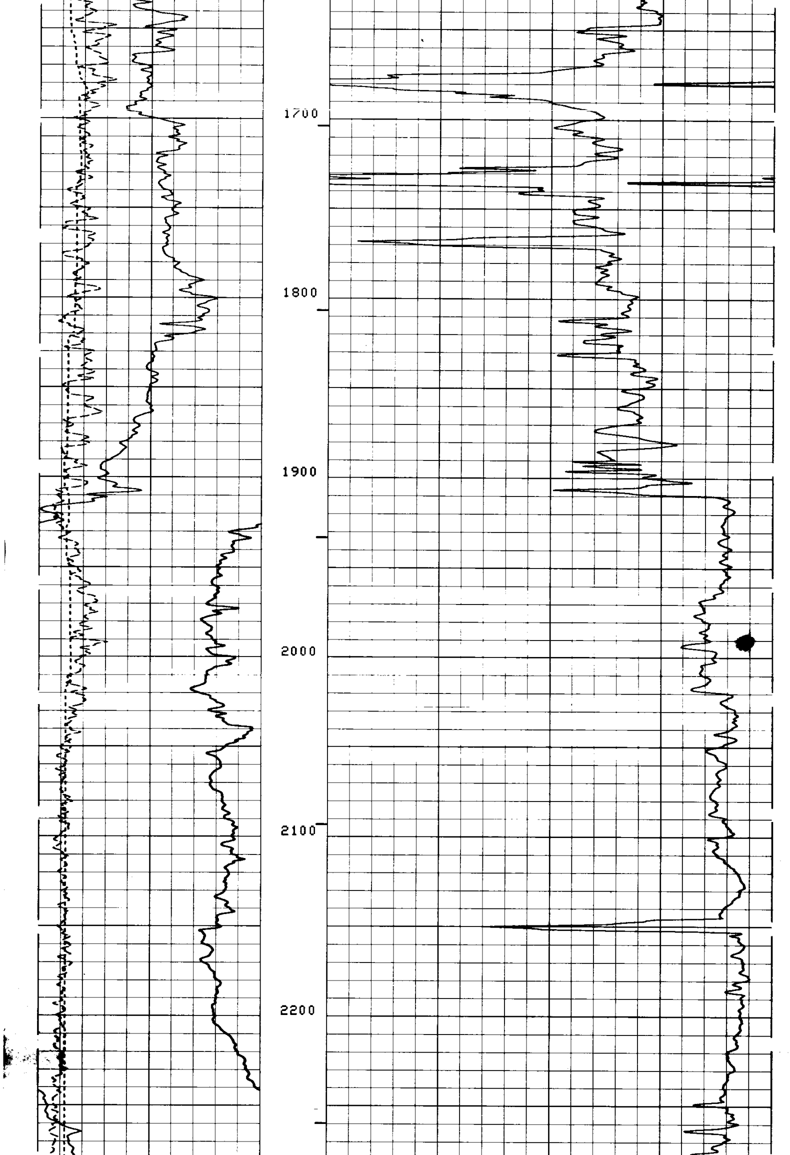
REMARKS

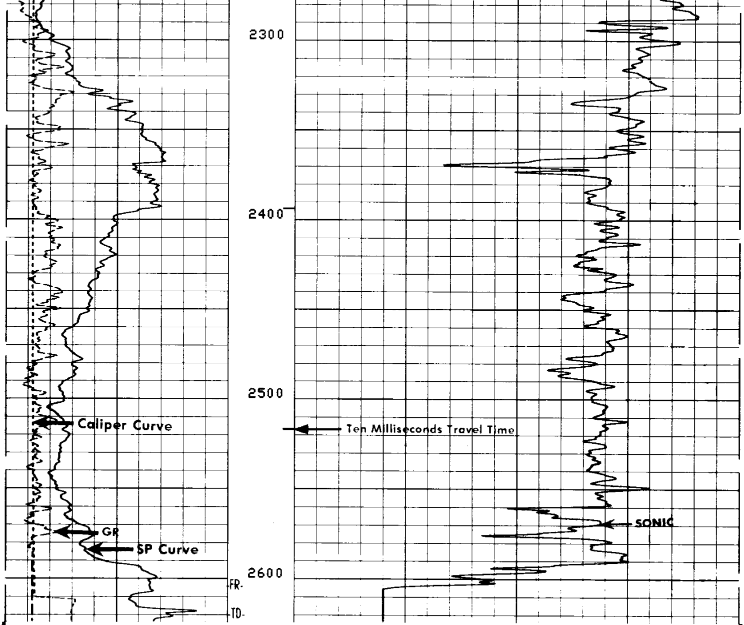
Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

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.









FILE

5

CALI (IN)
5.000 15.00
GR (GAPI)
0.0 150.0
SP (MV)
-100.0 0.0

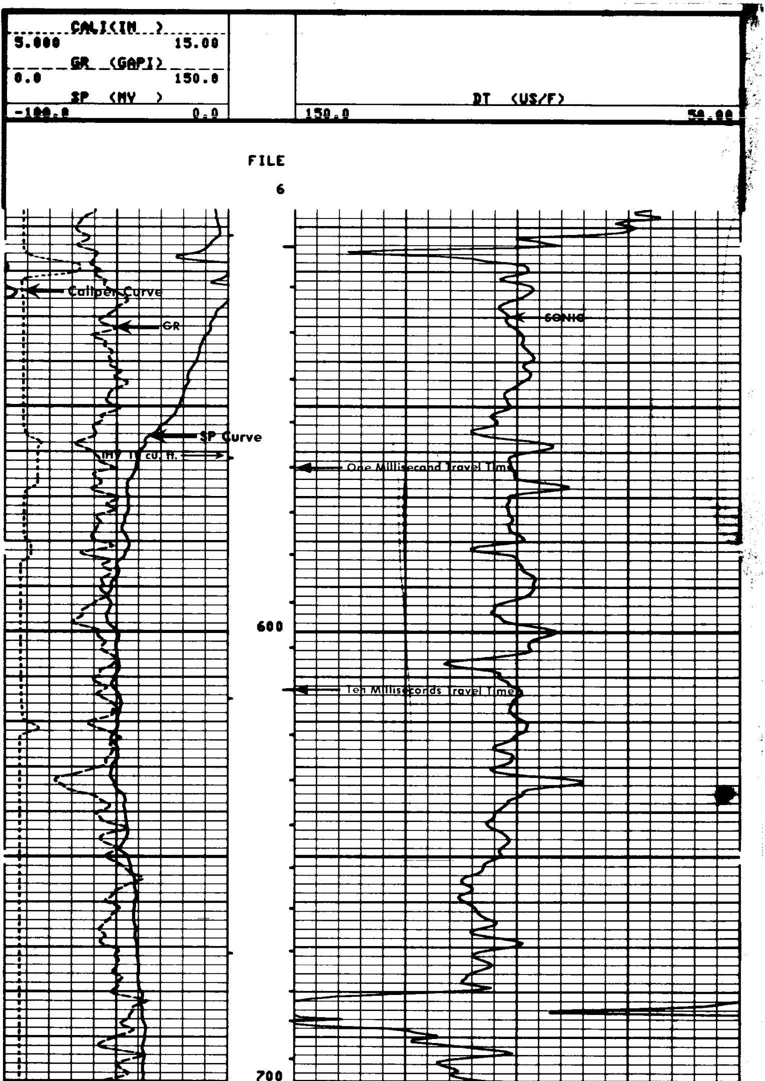
DT (US/F)
150.0 50.00

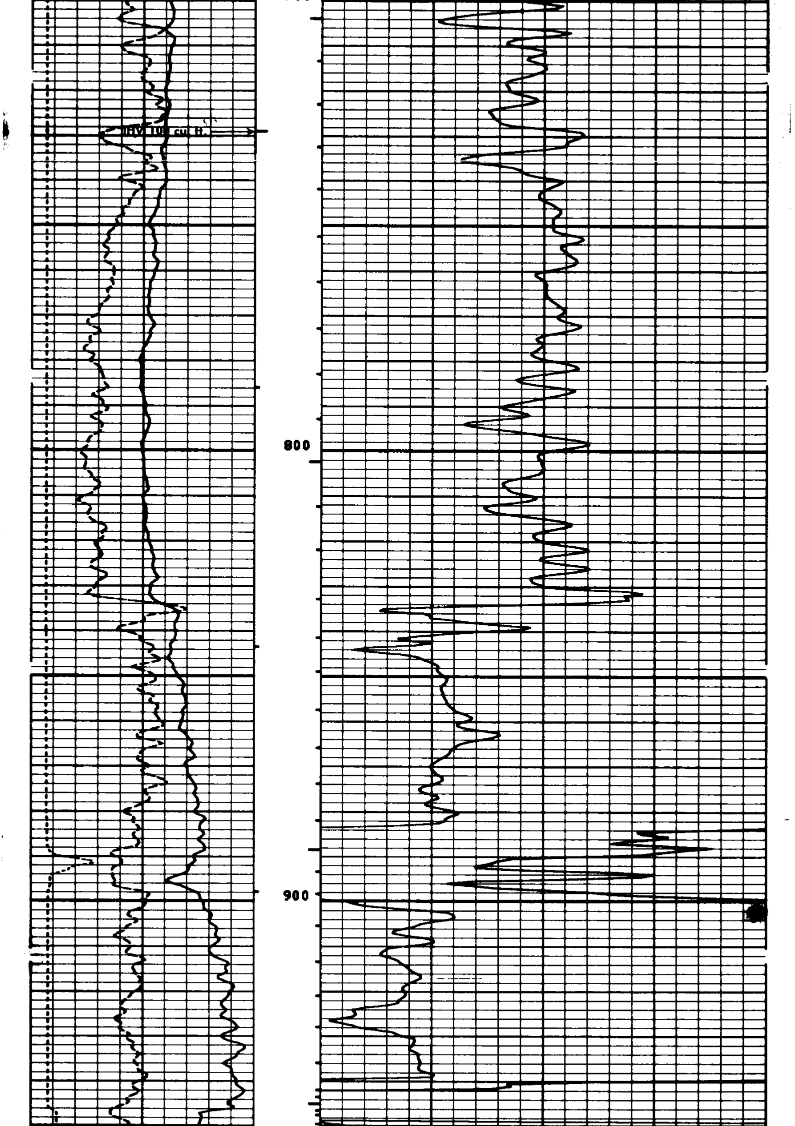
SENSOR MEASURE POINT TO TENSION REFERENCE POINT

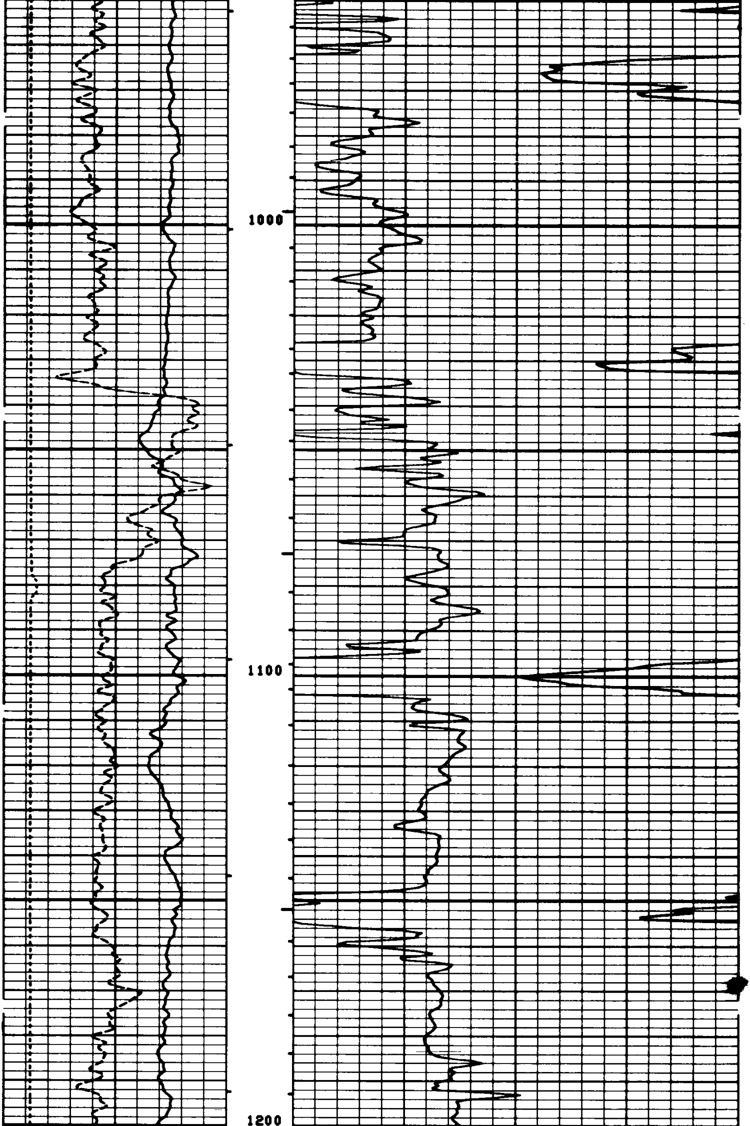
AMPL	16.8	FEET	DT	14.3	FEET
SRAT	14.3	FEET	CBL	16.8	FEET
GR	37.9	FEET	TT	16.8	FEET
SP	.0	FEET	CALI	4.8	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	8.6	FEET			

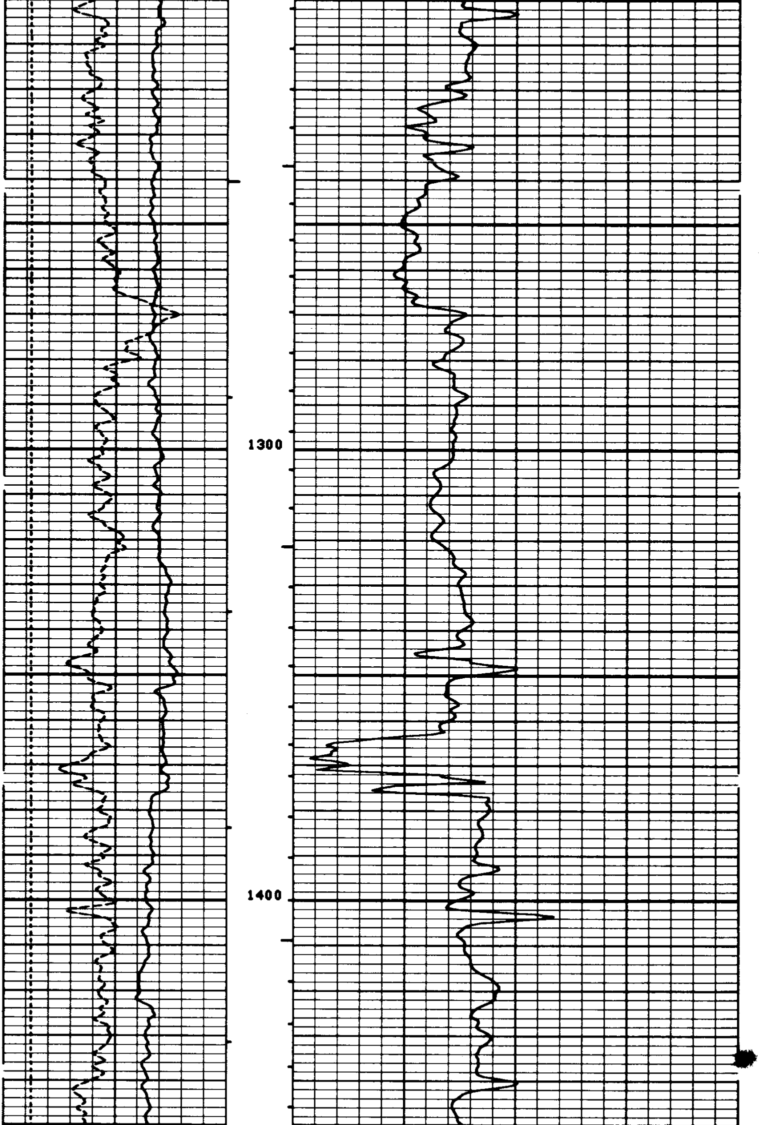
PARAMETERS

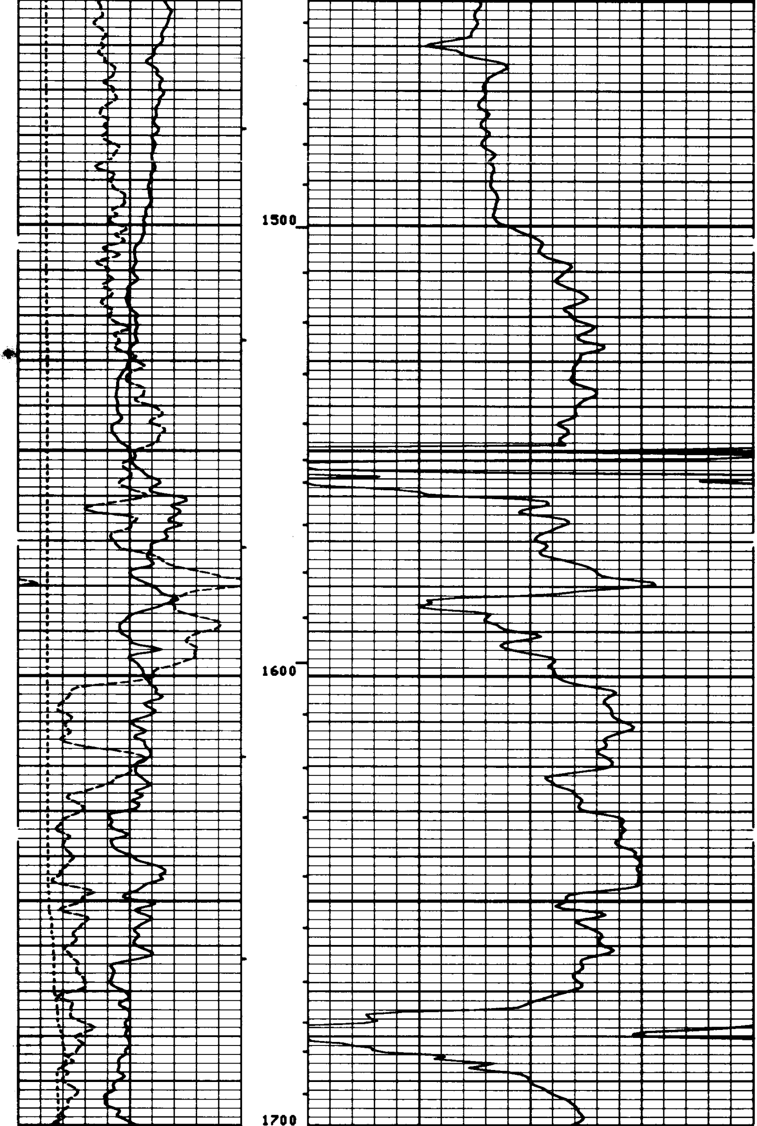
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.0		BS	6.250	IN
DTF	189.0	US/F	DTM	56.00	US/F
DO	0.0		BHS	OPEN	

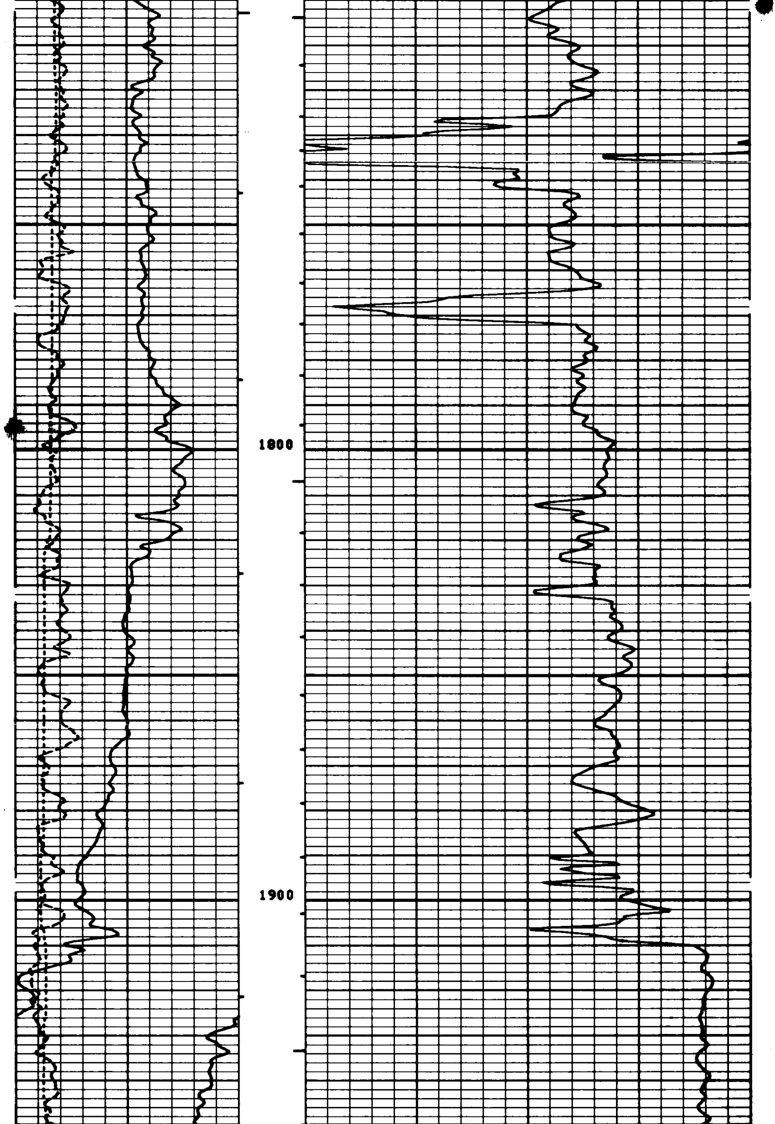


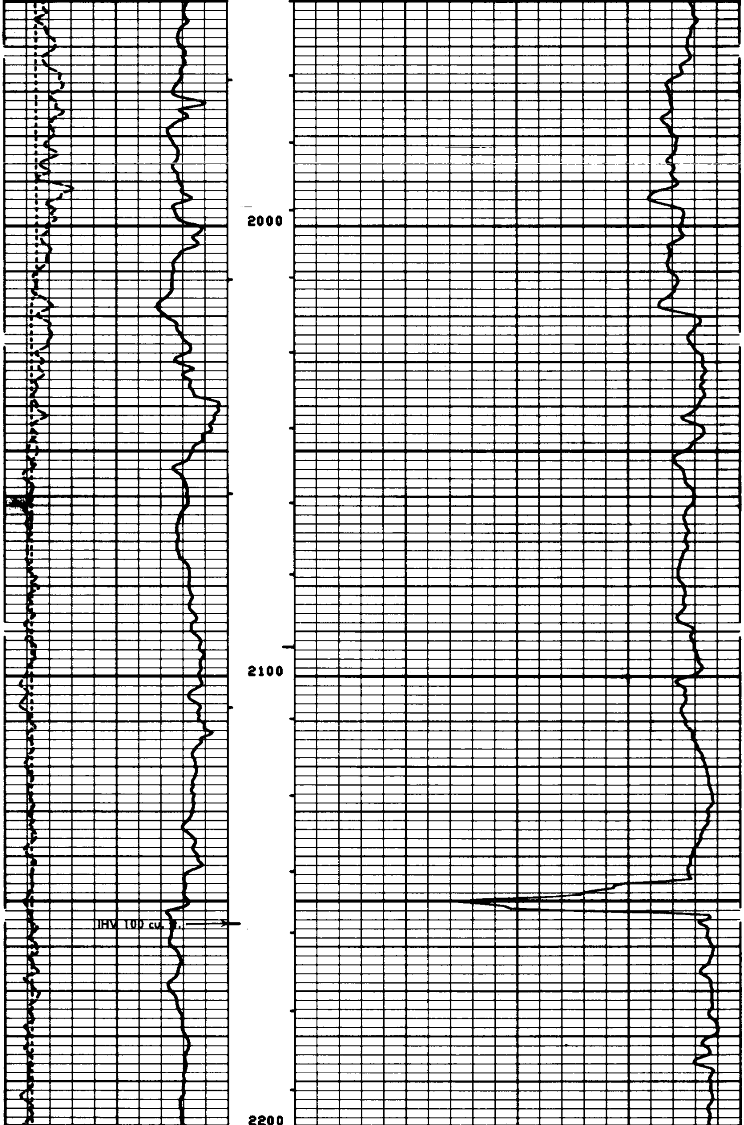


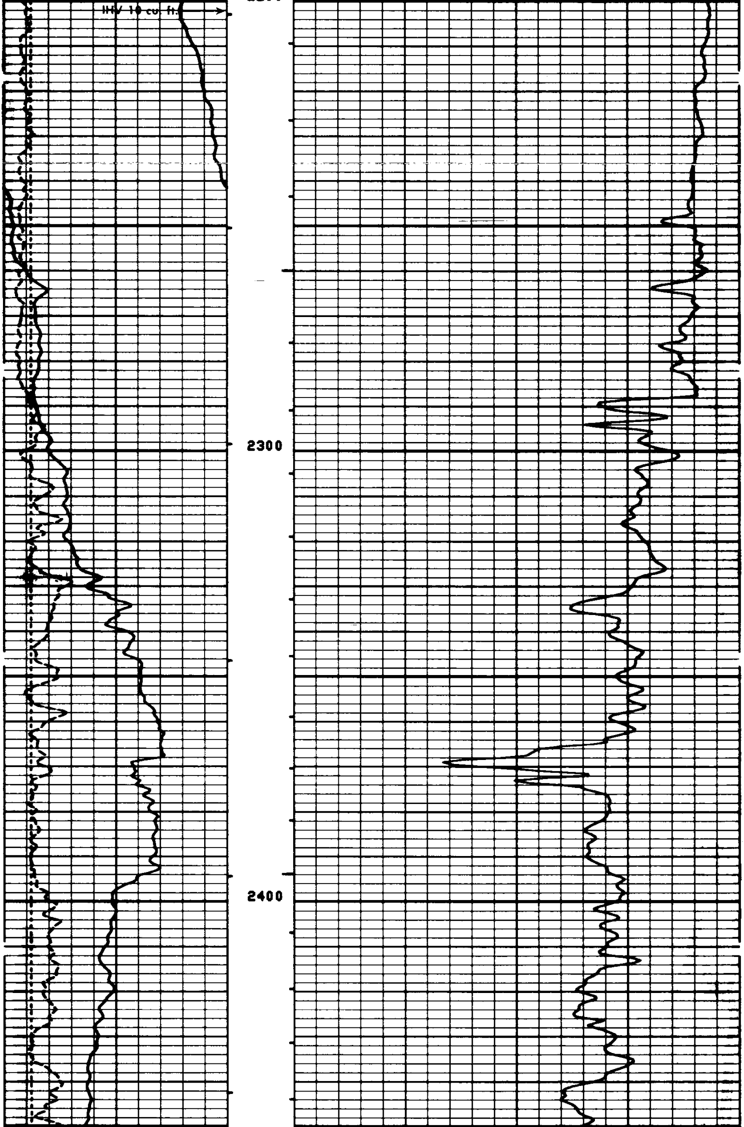


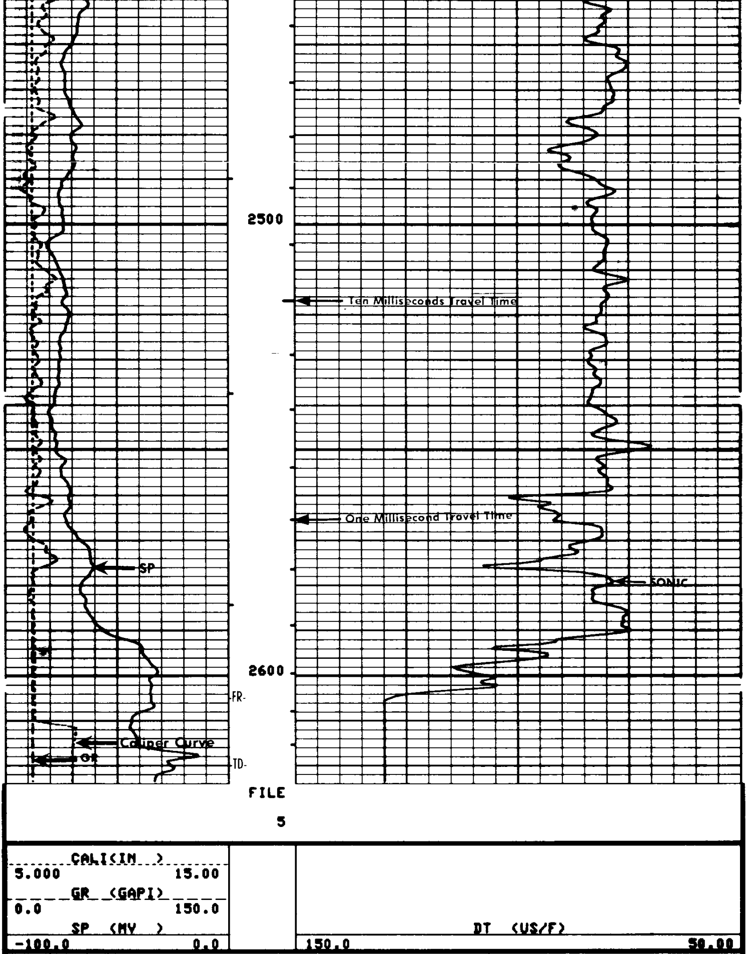












SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	16.8	FEET	DT	14.3	FEET
SRAT	14.3	FEET	CBL	16.8	FEET
GR	37.9	FEET	TT	16.8	FEET
SP	.0	FEET	CALI	4.8	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	8.6	FEET			

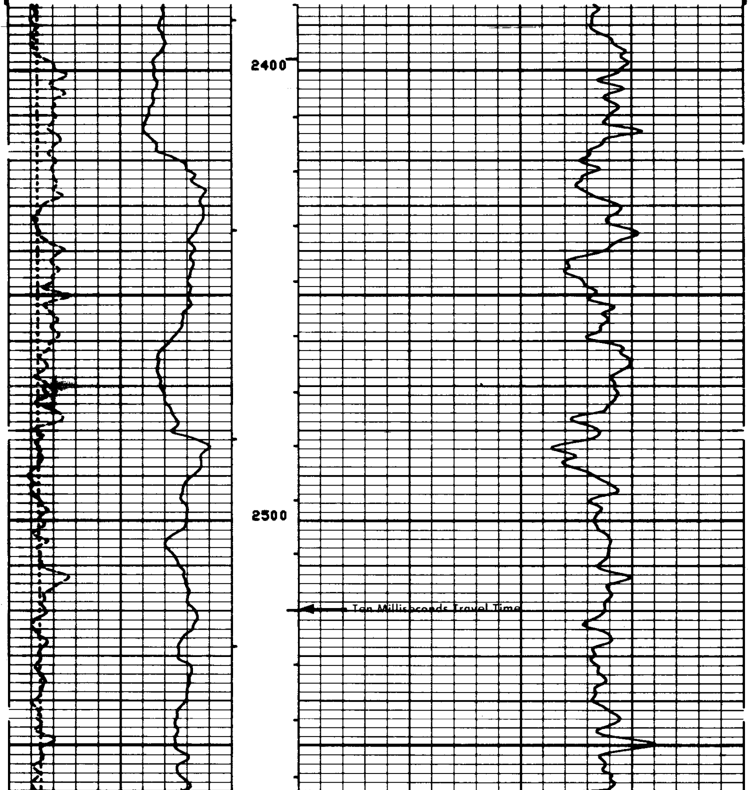
PARAMETERS

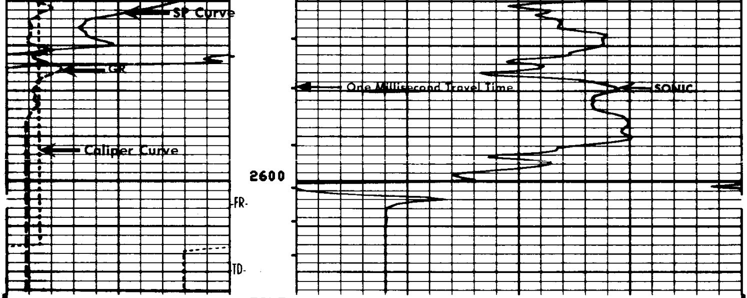
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.0		BS	6.250	IN
DTF	189.0	US/F	DTM	56.00	US/F
DO	0.0		BHS	OPEN	

CALI(IN)
5.000 15.00
GR (GAPI)
0.0 150.0
SP (MV)
-100.0 0.0

DT (US/F)
150.0 50.00

FILE
4





FILE

4

REPEAT SECTION

CALI (IN)
5.000 15.00
GR (GAPI)
0.0 150.0
SP (MV)
-100.0 0.0

DT (US/F)
150.0 50.00

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	16.8	FEET	DT	14.3	FEET
SRAT	14.3	FEET	CBL	16.8	FEET
GR	37.9	FEET	TT	16.8	FEET
SP	.0	FEET	CALI	4.8	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	8.6	FEET			

PARAMETERS

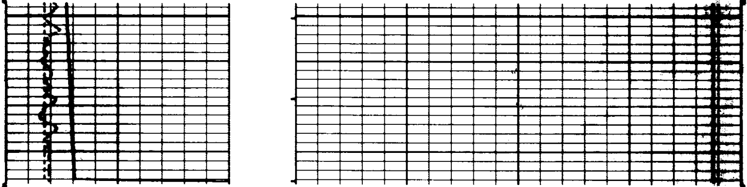
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.0		BS	6.250	IN
DTF	189.0	US/F	DTM	56.00	US/F
DO	0.0		BHS	OPEN	

CALI (IN)
5.000 15.00
GR (GAPI)
0.0 150.0
SP (MV)
-100.0 0.0

DT (US/F)
150.0 50.00

FILE

3 BEFORE SURVEY CASING CHECK



FILE

```
     CALI(IN  )
5.000             15.00
     [illegible]  (GAPI)
0.0               150.0
     SP   (MV   )
-100.0              0.0

                                      DT   (US/F)
150.0                                                     50.00
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            SENSOR MEASURE POINT TO TENSION REFERENCE POINT

      AMPL   16.8   FEET                       DT     14.3   FEET
      SRAT   14.3   FEET                       CBL    16.8   FEET
      GR     37.9   FEET                       TT     16.8   FEET
      SP       .0   FEET                       CALI    4.8   FEET
      TENS     .0   FEET                       SPAR     .0   FEET
      NOIS    8.6   FEET
```

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                           PARAMETERS

      NAME   VALUE    UNIT                     NAME   VALUE    UNIT

      CDTS   100.0                             BS     6.250    IN
      DTF    189.0    US/F                     DTM    56.00    US/F
      DO     0.0                               BHS    OPEN
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              BEFORE SURVEY CALIBRATION SUMMARY


   PERFORMED:      81/08/21
   PROGRAM FILE: ISN    (VERSION    20.2    81/ 1/30)


 SGTE               DETECTOR CALIBRATION SUMMARY

               MEASURED
             BKGD     JIG          CALIBRATED          UNITS
     GR       34      171             165              GAPI


 VCDD               CALIPER CALIBRATION SUMMARY

               MEASURED                     CALIBRATED
             SMALL    LARGE              SMALL      LARGE        UNITS
   CALI       4.4     12.2                6.0       12.0          IN
                         FILE

                            2
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