BOREHOLE COMPENSATED SONIC LOG

Schlumberger 5"

COUNTY
FIELD
LOCATION
WELL

COMPANY

COMPANY AMERICAN QUASAR PETROLEUM CO.
WELL INVESTMENT MANAGEMENT 34-21
FIELD MIST
COUNTY COLUMBIA STATE OREGON

RECEIVED-PTLD
SEP 30 1980
DEPT OF GEOLOGY & MINERAL INDUS

LOCATION			
1250' FRNL + 1356 FRWL NE OF NW			Other Services: DIL FDC/CNL/GR CIS HDT
API SERIAL NO.	SEC. 34	TWP 6N	RANGE 4W

Permanent Datum: GL ; Elev.: 537
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 547.5
D.F. —
G.L. 537

Date	8/25/80			
Run No.	ONE			
Depth—Driller	4080			
Depth—Logger (Schl.)	4075			
Btm. Log Interval	4060			
Top Log Interval	476			
Casing—Driller	7" @ 477	@	@	@
Casing—Logger	476			
Bit Size	6¼			
Type Fluid in Hole	Q-BROXIN			
Dens. | Visc.	9.8 | 46			
pH | Fluid Loss	10.2 | — ml	ml	ml	ml
Source of Sample	CIRCULATION			
Rm @ Meas. Temp.	2.02 @ 78 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.50 @ 63 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.57 @ 64 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	1.54 @ 104 °F	@ °F	@ °F	@ °F
TIME: Circulation Stopped	0700			
TIME: Logger on Bottom	1430			
Max. Rec. Temp.	104 °F	°F	°F	°F
Equip. | Location	8128 | 4408			
Recorded By	LANGFORD			
Witnessed By	GRUER/MANN			

RECEIVED-PTLD
SEP 23 1980
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SWS—1384-M

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

Run No.	ONE			
Service Order No.	123130			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	383			
Sonic Cart No.	1321			
Sonic Sonde No.	375			
Mem. Panel No.	CSU			
G.R. Cart. No.	2087			
G.R. Panel No.	456			
Caliper No.	290			
TTR No.	—			
Centralizers: No.	NONE			
Type	—			
Standoffs: No.	1			
Type	FIN			
Time Const.-Sec.	—			
Speed - F.P.M.	50			

CALIBRATION DATA

GR	BKG. CPS	43				
	Source CPS	213				
	Tc Sec	CSU				

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δtm	Δtf	Cp	Ø Scale	From	To
56	189	1.00	—	476	4069

REMARKS

* SP MV SHIFT AT 3300

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

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

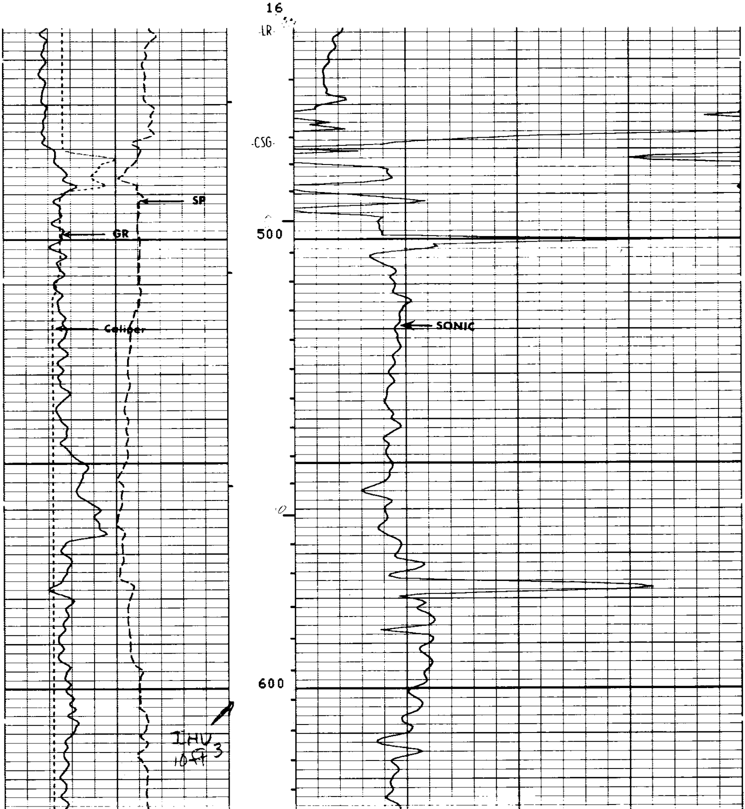
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
FPHI		SPHI	DTF	US/F	189.0			
DO		0.0	BHS		OPEN			

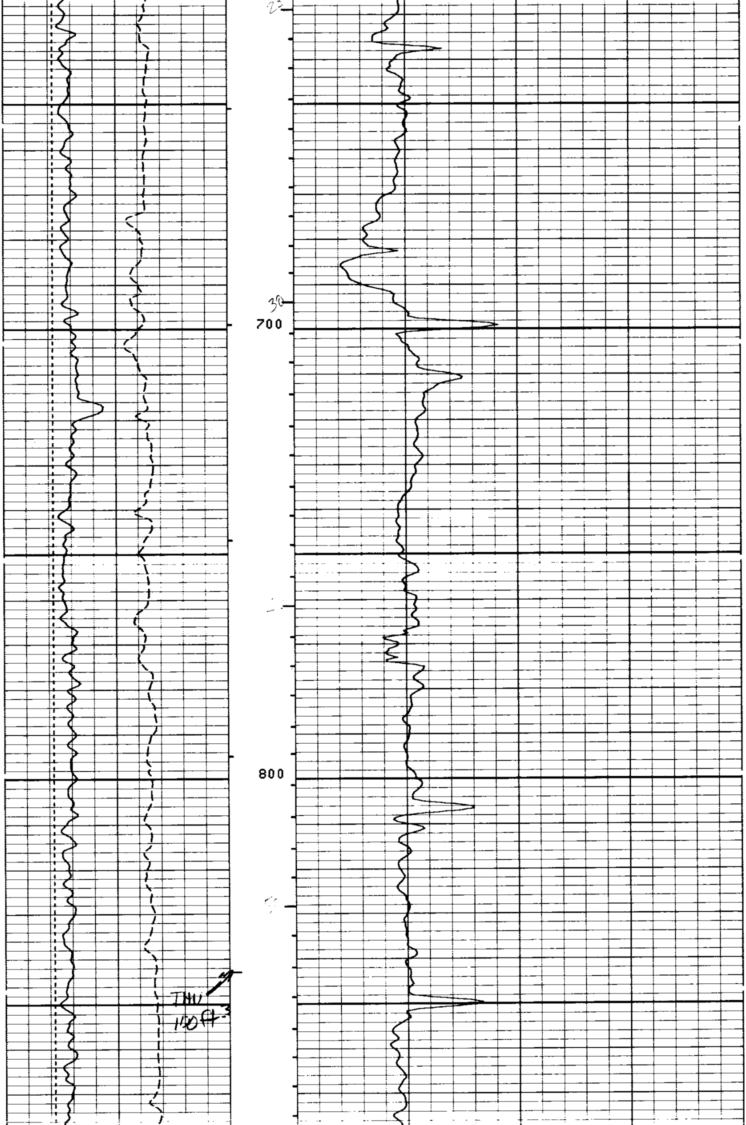
CALI(IN)	
4.000	14.00
GR (GAPI)	
0.0	150.0
SP (MV)	
-80.00	20.00

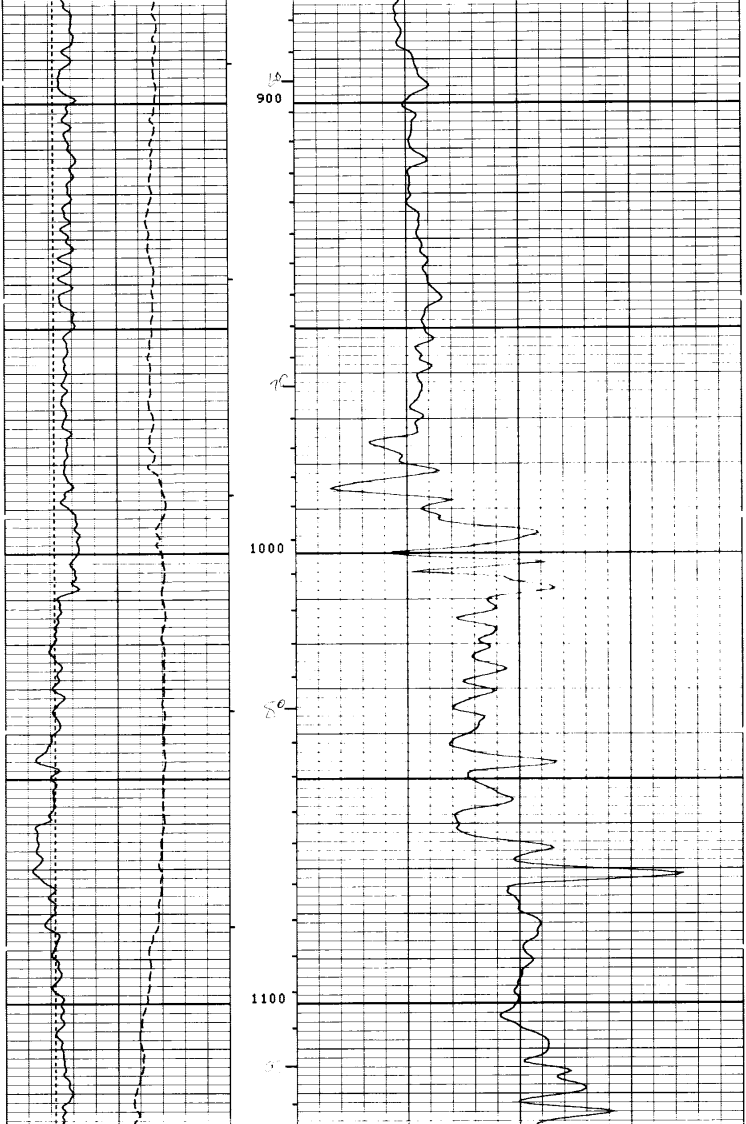
DT (US/F)	
175.0	75.00

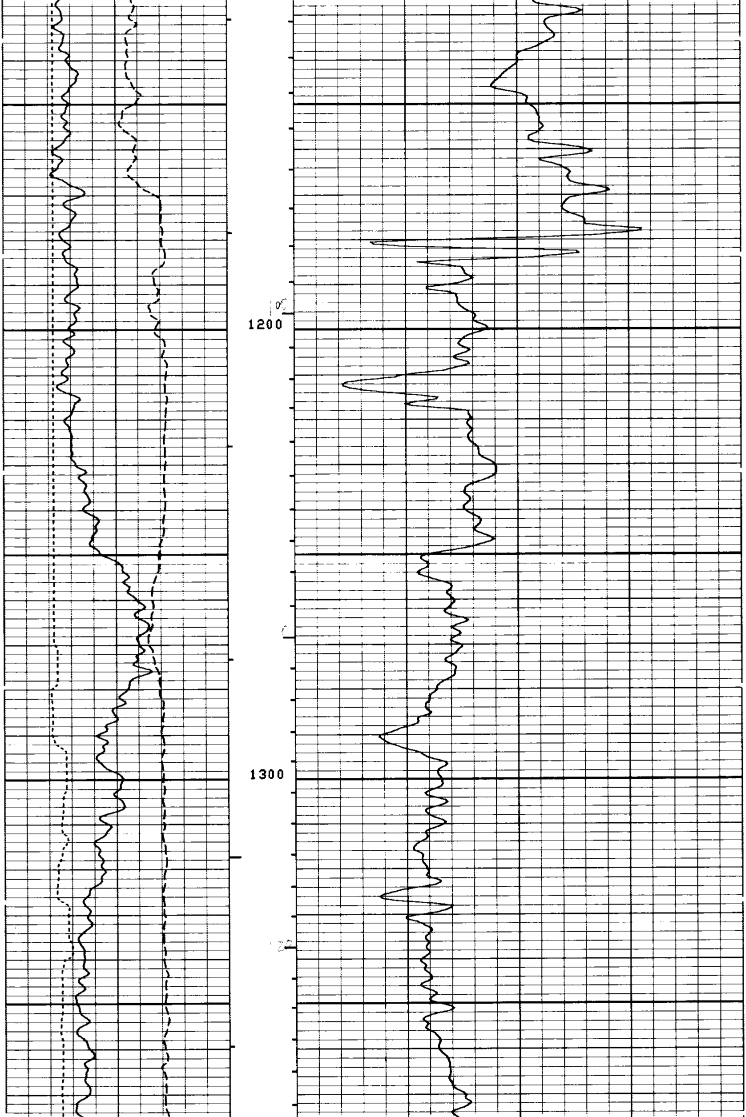
FILE

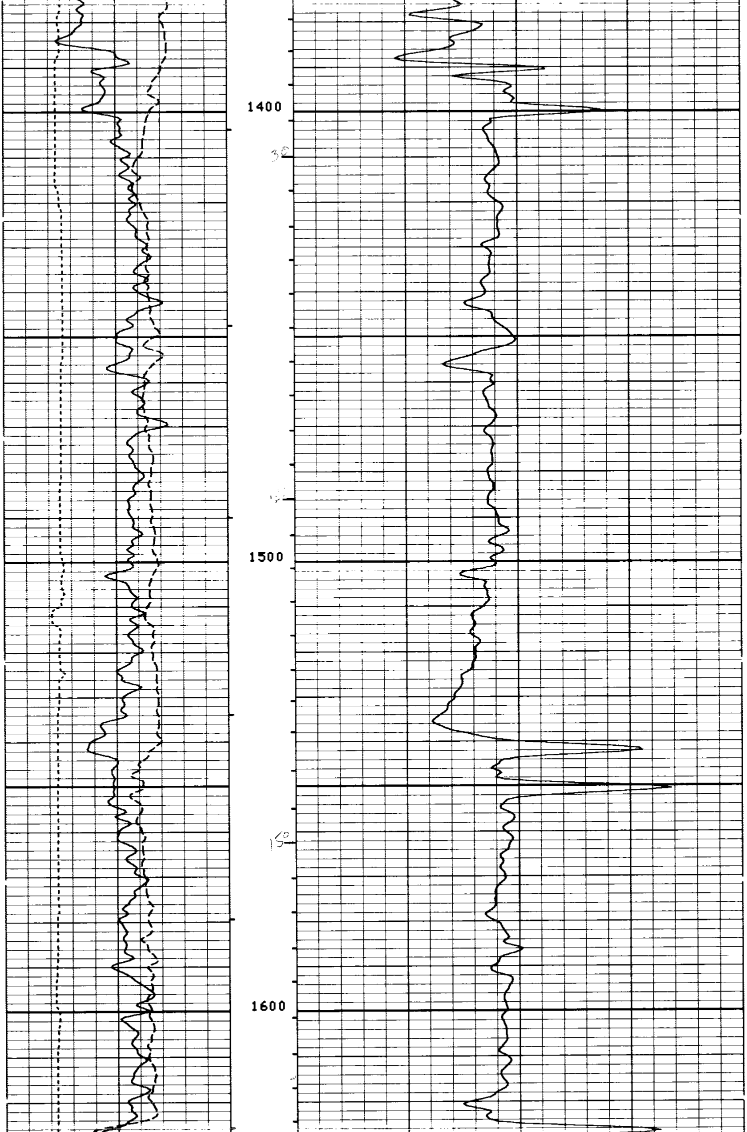
16

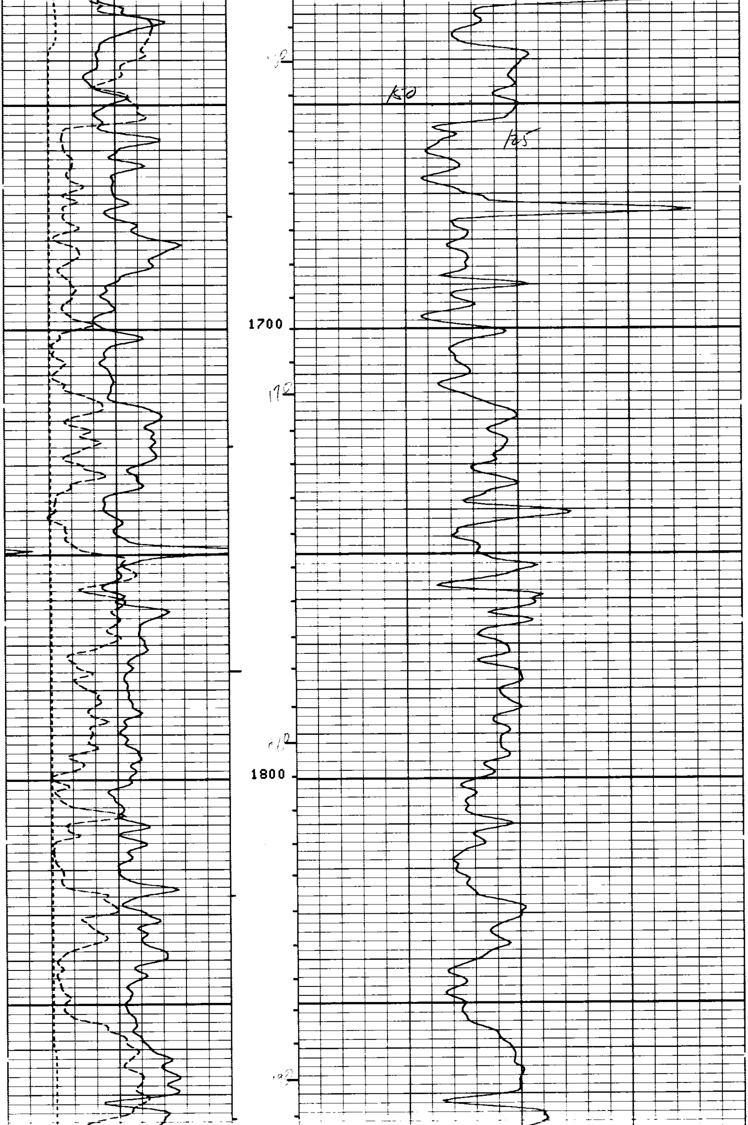


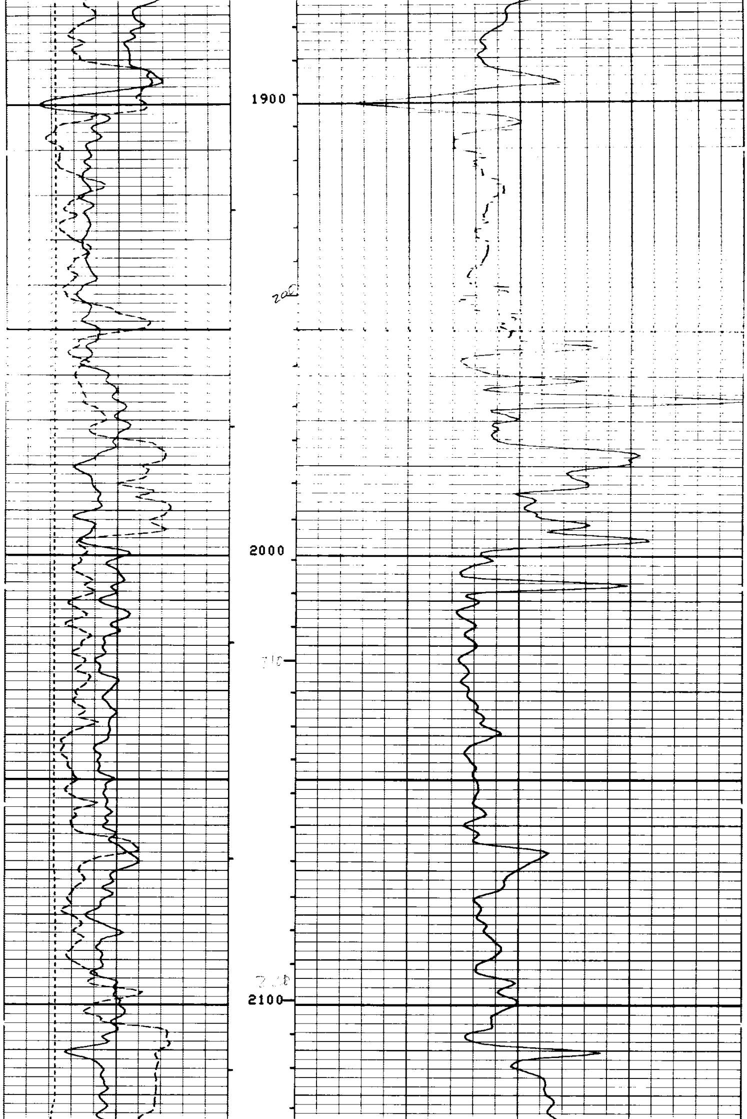


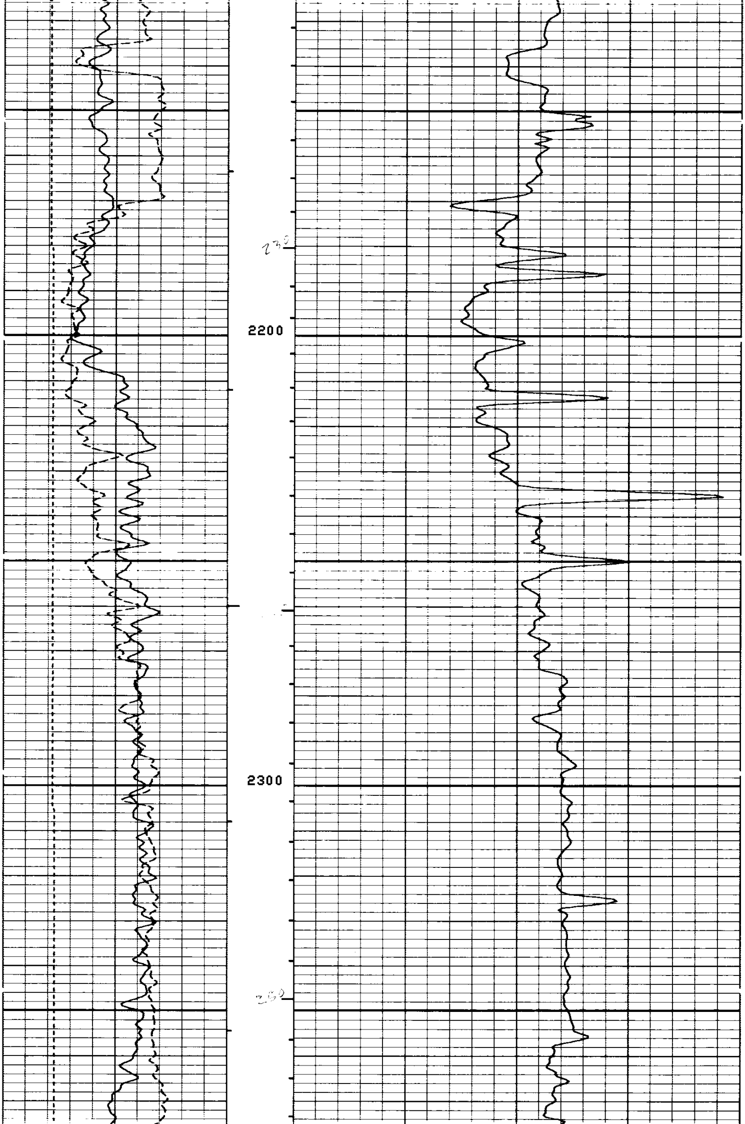


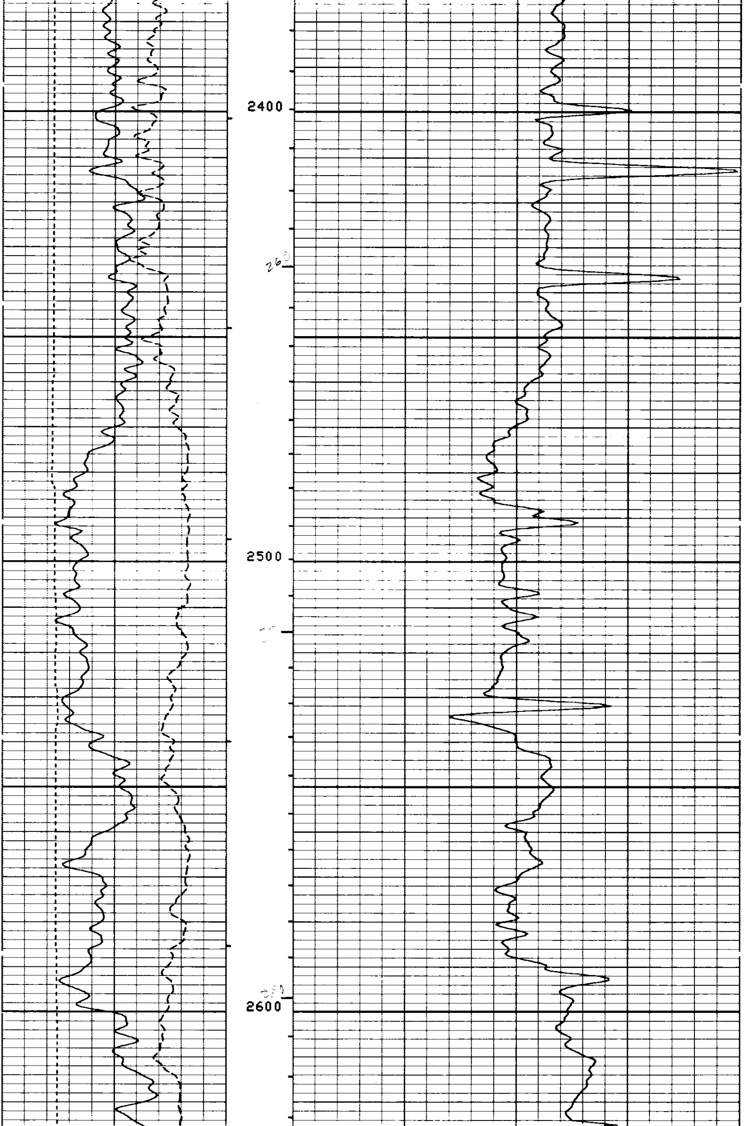


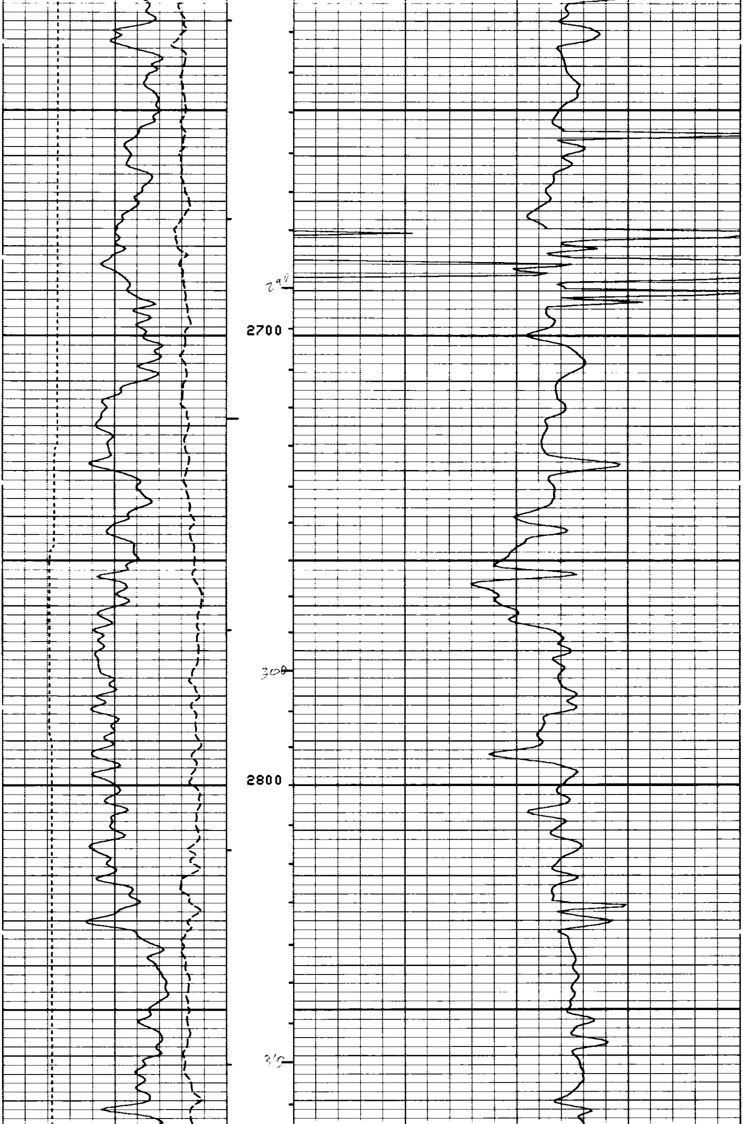


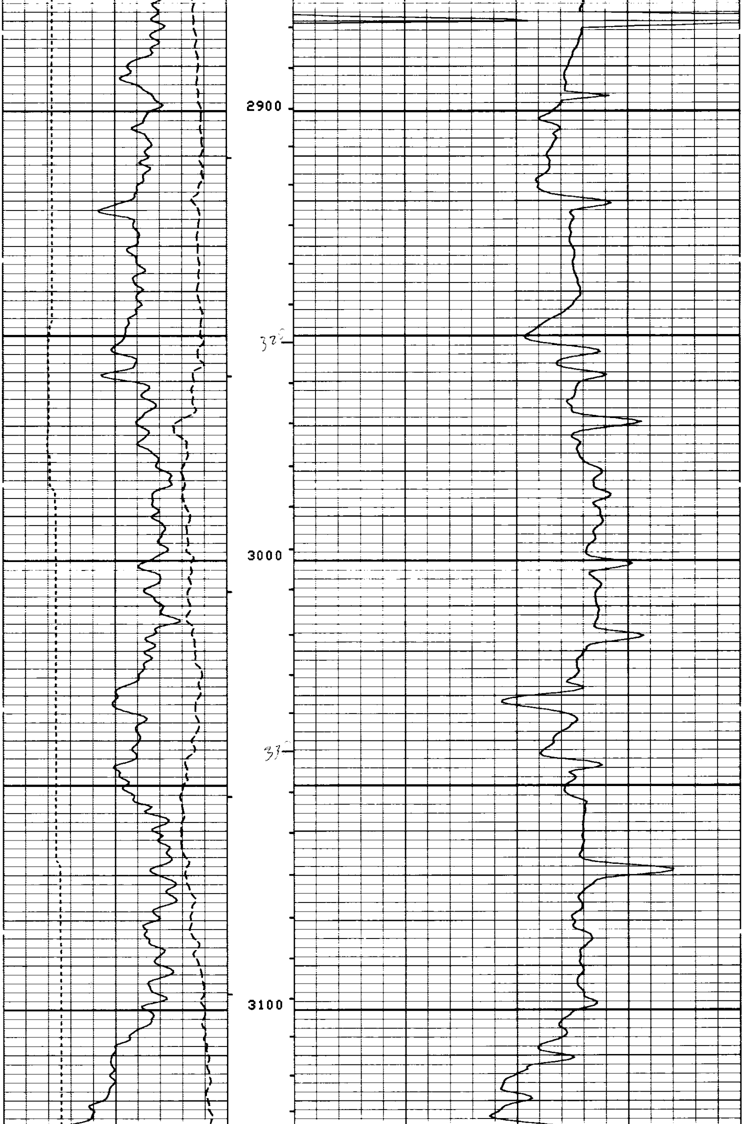


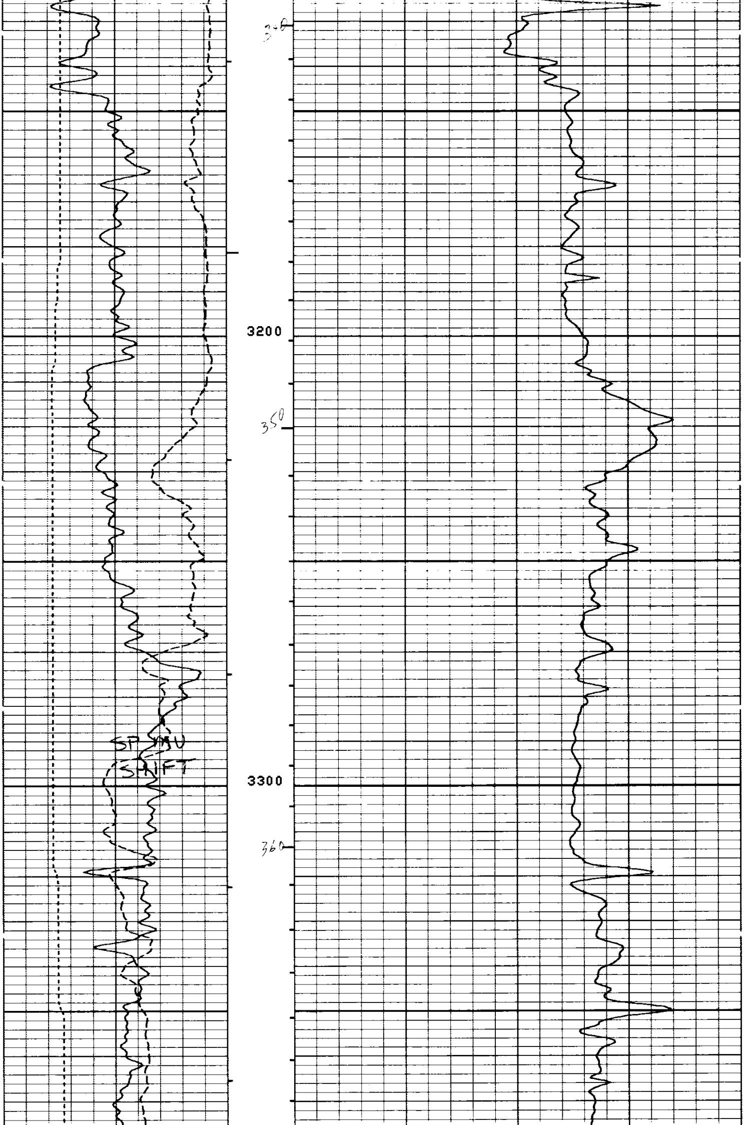


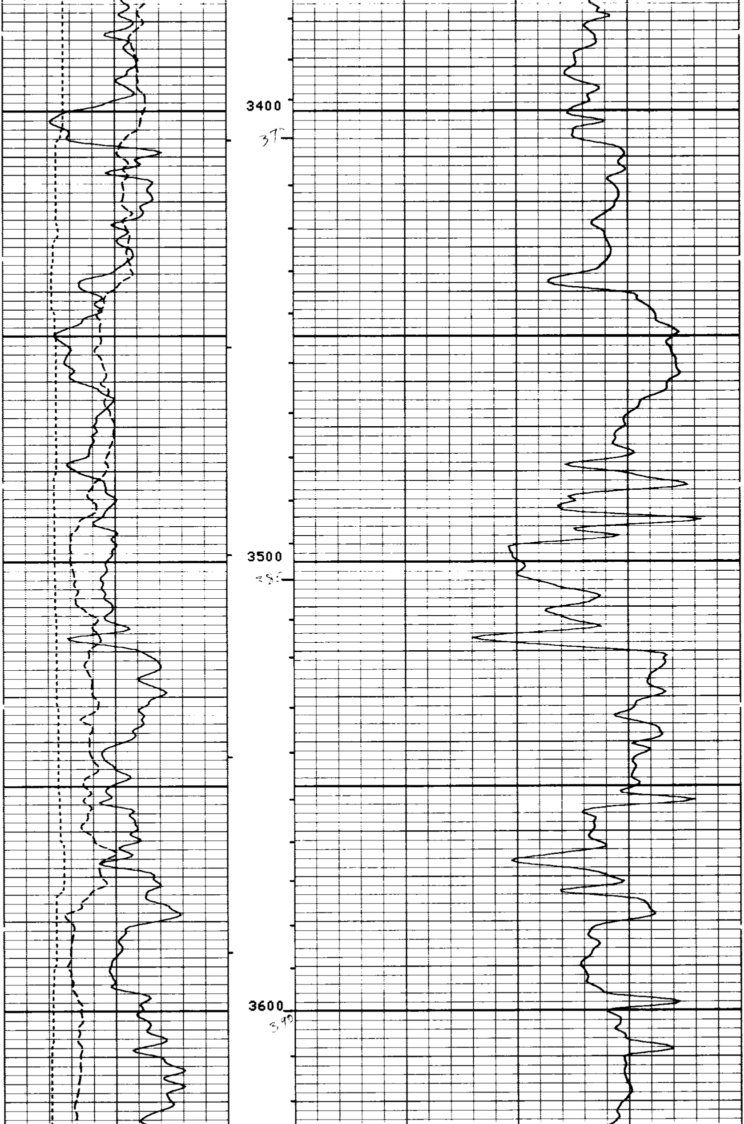


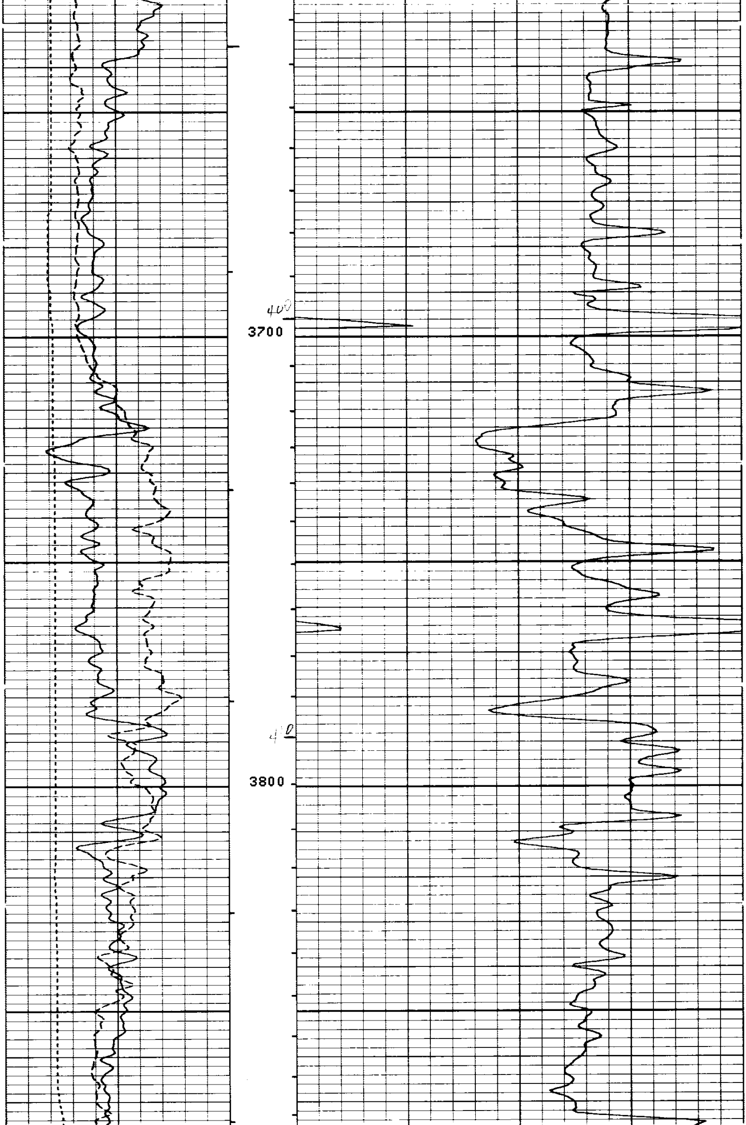


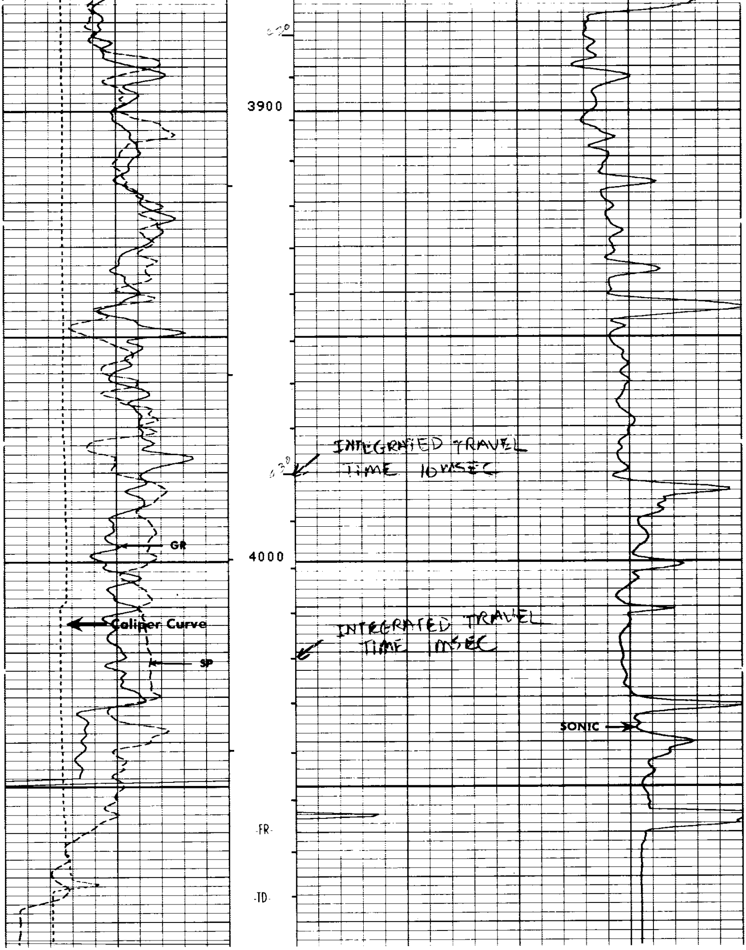












FILE

CALI(IN)
4.000 14.00
GR (GAPI)
0.0 150.0
SP (MV)
-80.00 20.00

DT (US/F)
175.0 75.00

PARAMETERS

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

REPEAT SECTION

PARAMETERS

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

CALI(IN)
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SP (MV)
-80.00 20.00

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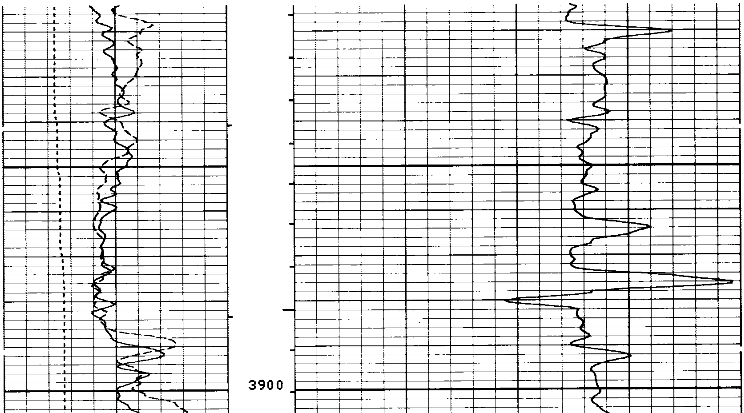
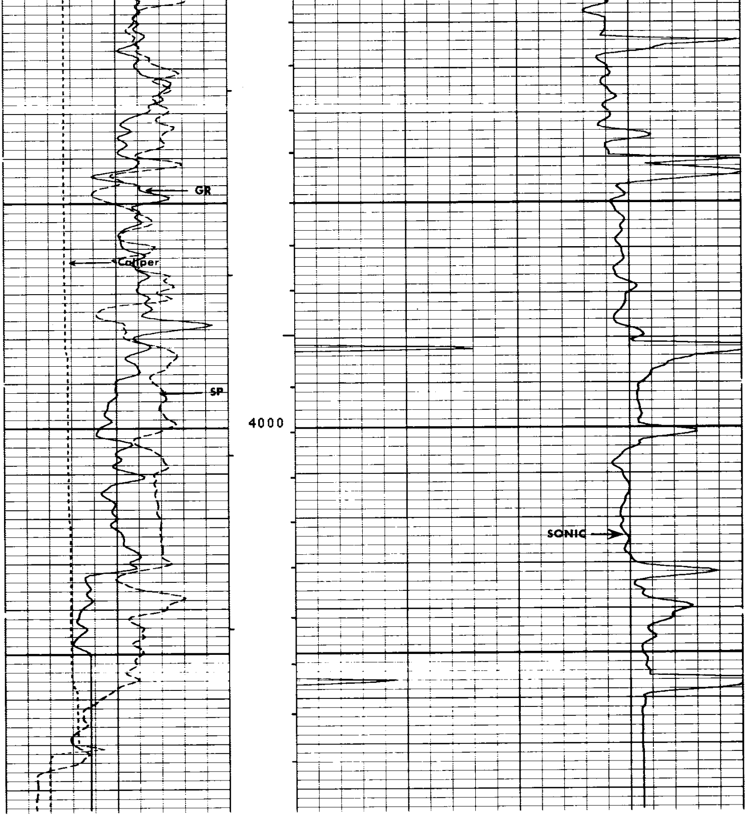
175.0 75.00

FILE

15





FILE

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PARAMETERS

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

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              BEFORE SURVEY CALIBRATION SUMMARY

  PERFORMED:     80/08/25
  PROGRAM FILE: ISN    (VERSION    18.2    80/ 4/29)

SGTE              DETECTOR CALIBRATION SUMMARY

             MEASURED
           BKGD    JIG        CALIBRATED        UNITS
    GR      43     213           165            GAPI

VCDD              CALIPER CALIBRATION SUMMARY

             MEASURED                  CALIBRATED
           SMALL   LARGE             SMALL     LARGE       UNITS
  CALI      6.9    12.2               8.0      12.0         IN
                      FILE

                        14
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