Rau 18-14-6480

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY COLUMBIA
FIELD MIST NEHALEM BASIN
LOCATION 18-6N-5W
WELL RAU NO. 18-14 RD
COMPANY AMERICAN QUASAR

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL RAU NO. 18-14 RD

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA **STATE** OREGON

RECEIVED
NOV 24 1980
DEPT OF GEOLOGY

LOCATION 900'NORTH & 1099.41'EAST FROM THE SOUTHWEST CORNER OF:

API SERIAL NO.	SEC.	TWP	RANGE
	18	6N	5W

Other Services:
DIL
HDT
FDC/CNL/GR

Permanent Datum: GL ; Elev.: 583
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 593.5
D.F. --
G.L. 583.0

Date	9-15-80			
Run No.	ONE			
Depth—Driller	2440			
Depth—Logger (Schl.)	2441			
Btm. Log Interval	2435			
Top Log Interval	515			
Casing—Driller	7" @ 515	@	@	@
Casing—Logger	515			
Bit Size	6¼"			
Type Fluid in Hole	Q-BROXIN			
Dens. | Visc.	9.7 | 40	|	|	|
pH | Fluid Loss	10.5 | 5.8 ml	| ml	| ml	| ml
Source of Sample	CIRCULATION			
Rm @ Meas. Temp.	2.23 @ 65 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.57 @ 48 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.39 @ 67 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M	|	|	|
Rm @ BHT	1.76 @ 84 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	2330			
TIME Logger on Bottom	0315			
Max. Rec. Temp.	84 °F	°F	°F	°F
Equip. | Location	8128 | SAC	|	|	|
Recorded By	LANGFORD			
Witnessed By	T. SMITH			

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

Run No.	ONE			
Service Order No.	135729			
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.	443			
Caliper No.	290			
TTR No.	-			
Centralizers: No.	NONE			
Type	-			
Standoffs: No.	ONE			
Type	FIN			
Time Const.-Sec.	CSU			
Speed - F.P.M.	35			

CALIBRATION DATA

GR	BKG. CPS	58			
	Source CPS	213			
	Tc Sec	CSU			

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

REMARKS

CYCLE SKIPPING DUE TO HIGHLY DEVIATED BOREHOLE.
REPEAT AT TOP DUE TO HOLE CONDITION.

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

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

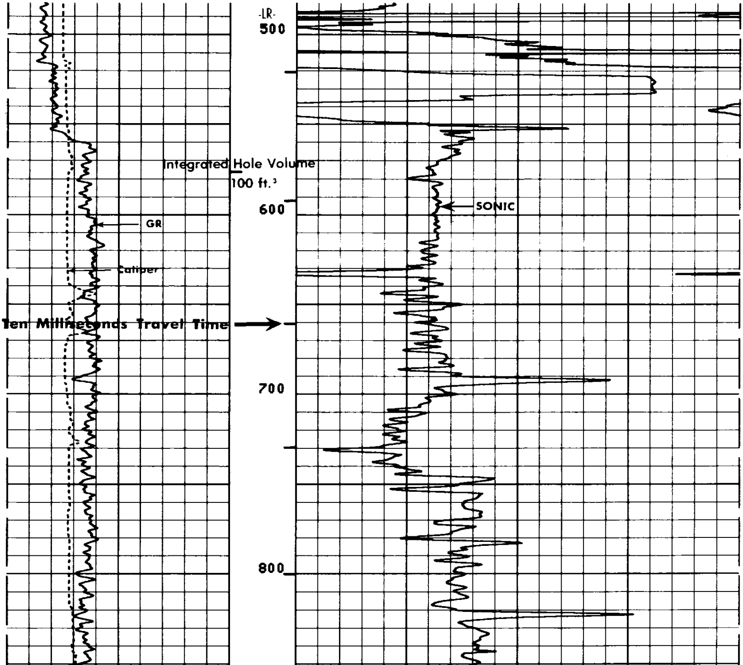
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
DTM	US/F	56.00	CDTS		100.0	BS	INCH	6.250
SBR	OHMM	1.000	DSEC	MM/M	5.440	DTF	US/F	189.0
FPHI		SPHI	MSEC	MM/M	4.790			
DO		0.0	BHS		OPEN			

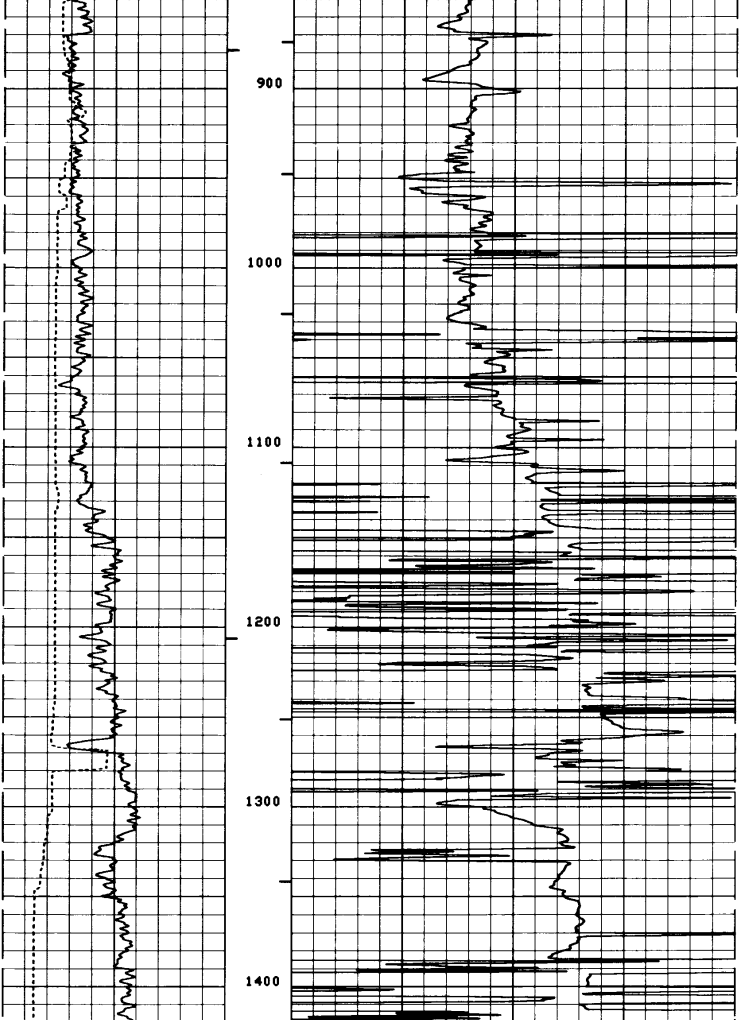
CALI(IN)
5.000 15.00
GR (GAPI)
0.0 150.0

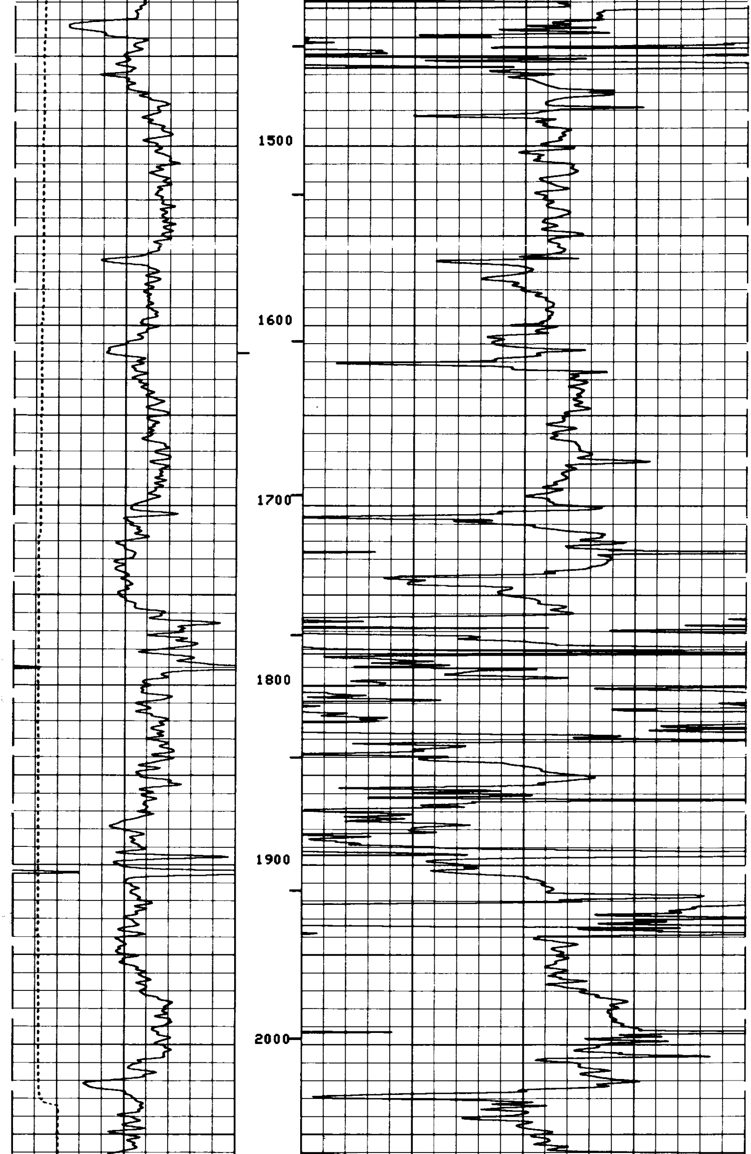
DT (US/F)
175.0 75.00

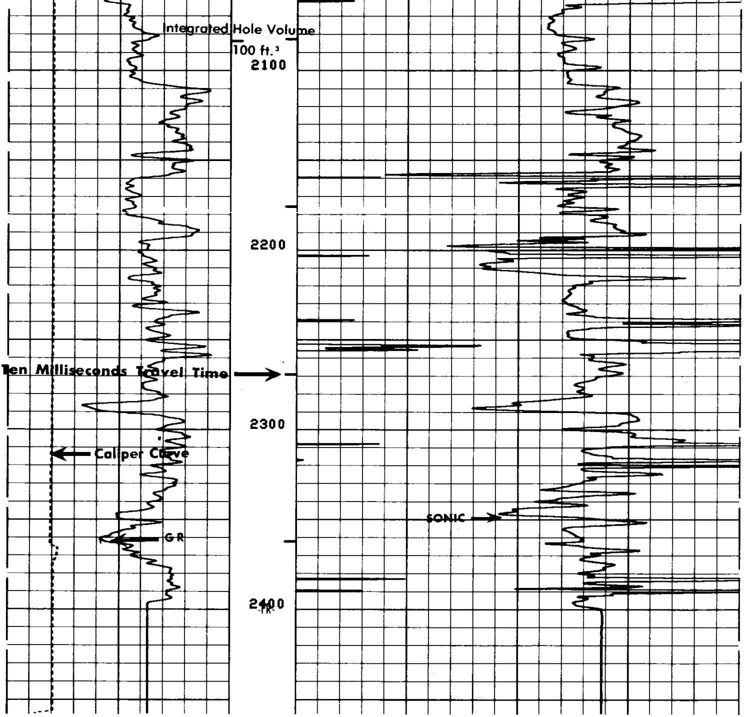
FILE

10









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CALI(IN)		
5.000 15.00		
GR (GAPI)		DT (US/F)
0.0 150.0		175.0 75.00

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GR (GAPI)			
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SP (MV)		DT (US/F)	
-100.0	0.0	175.0	75.00

FILE

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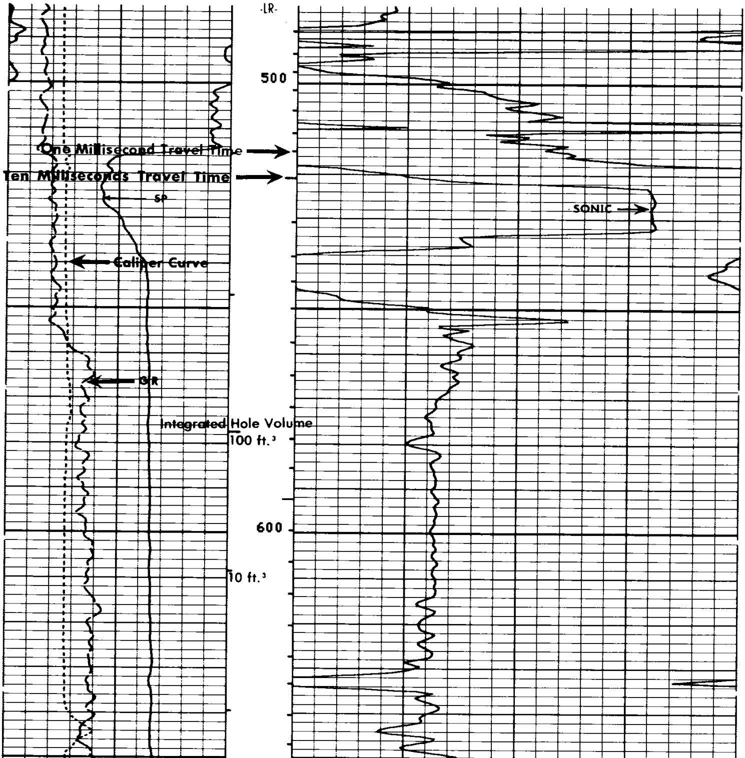

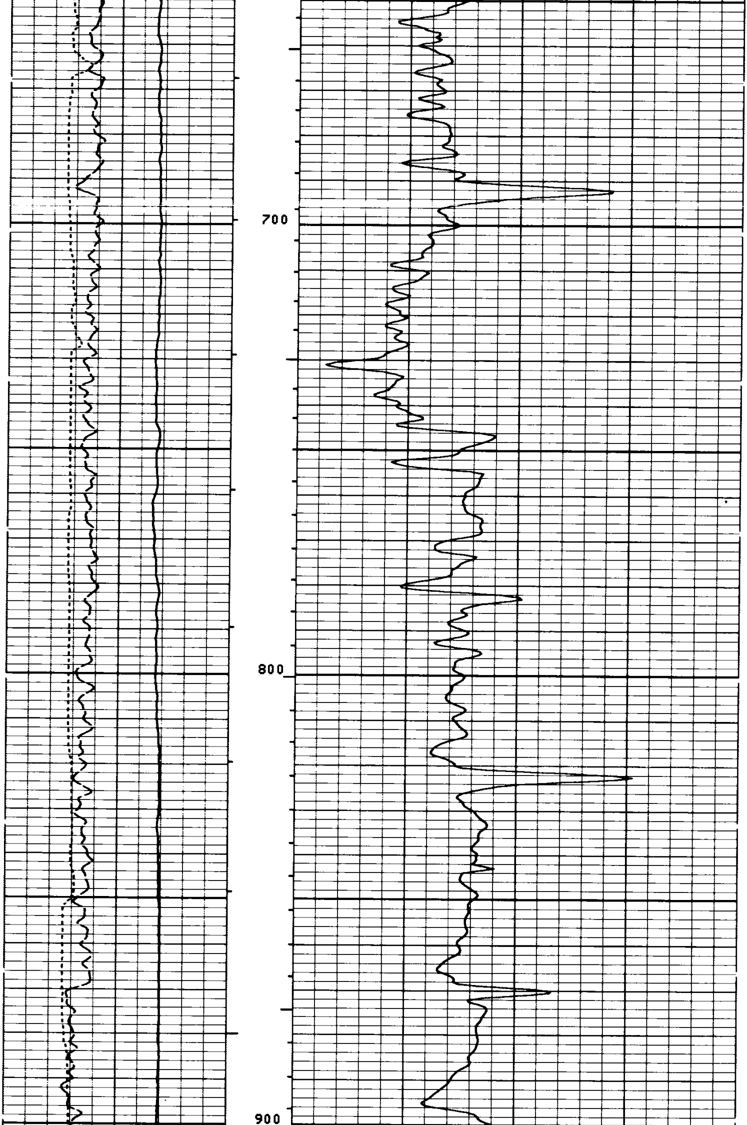

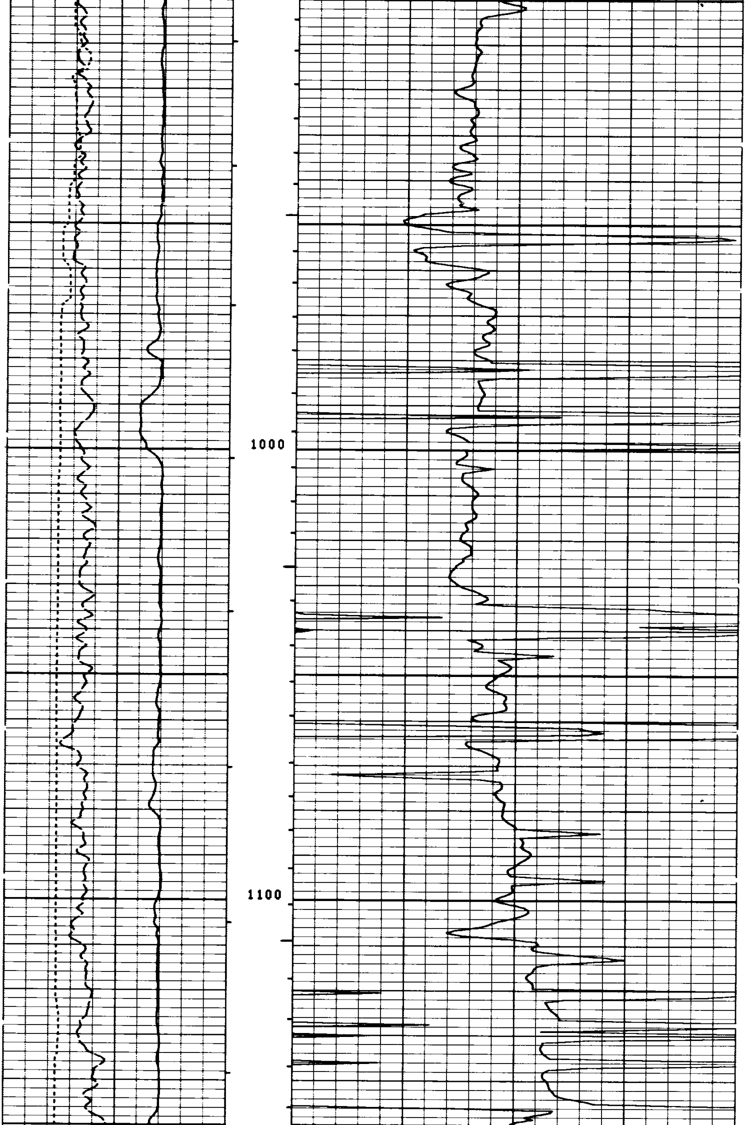

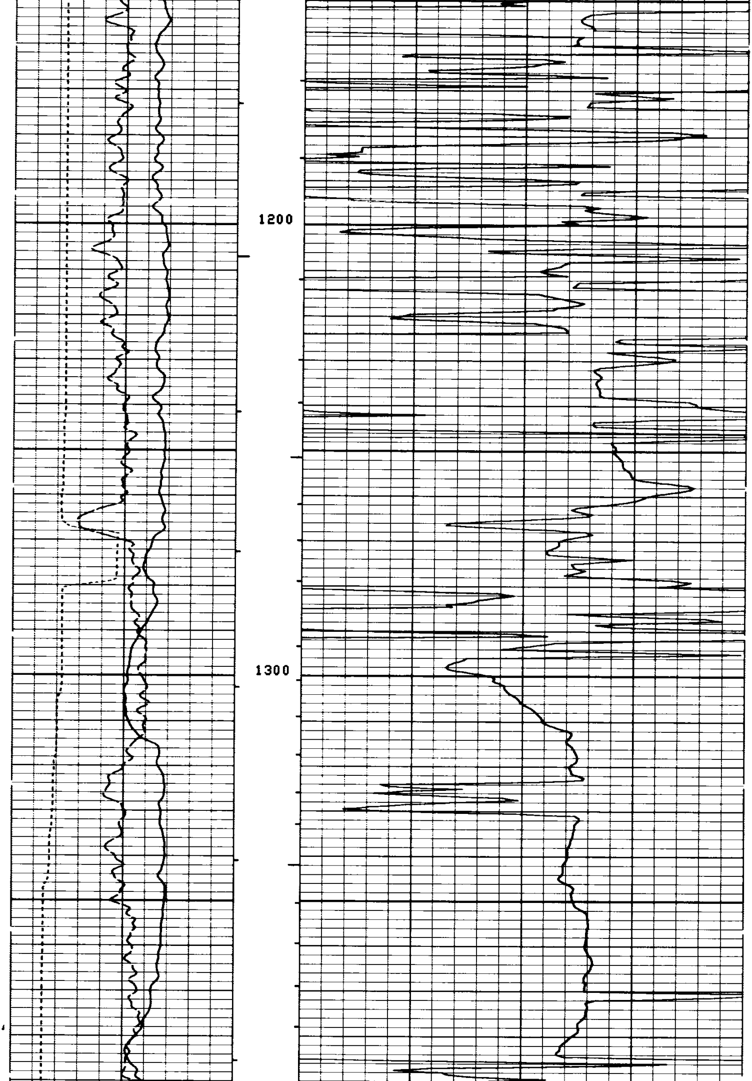

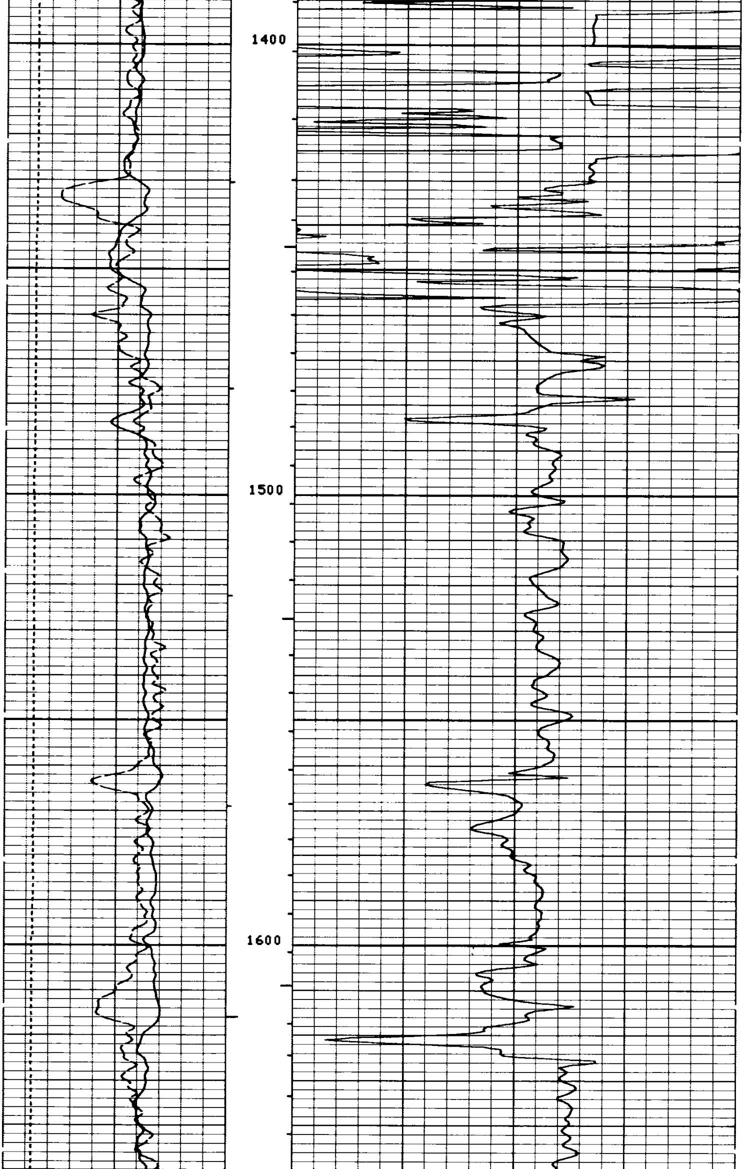

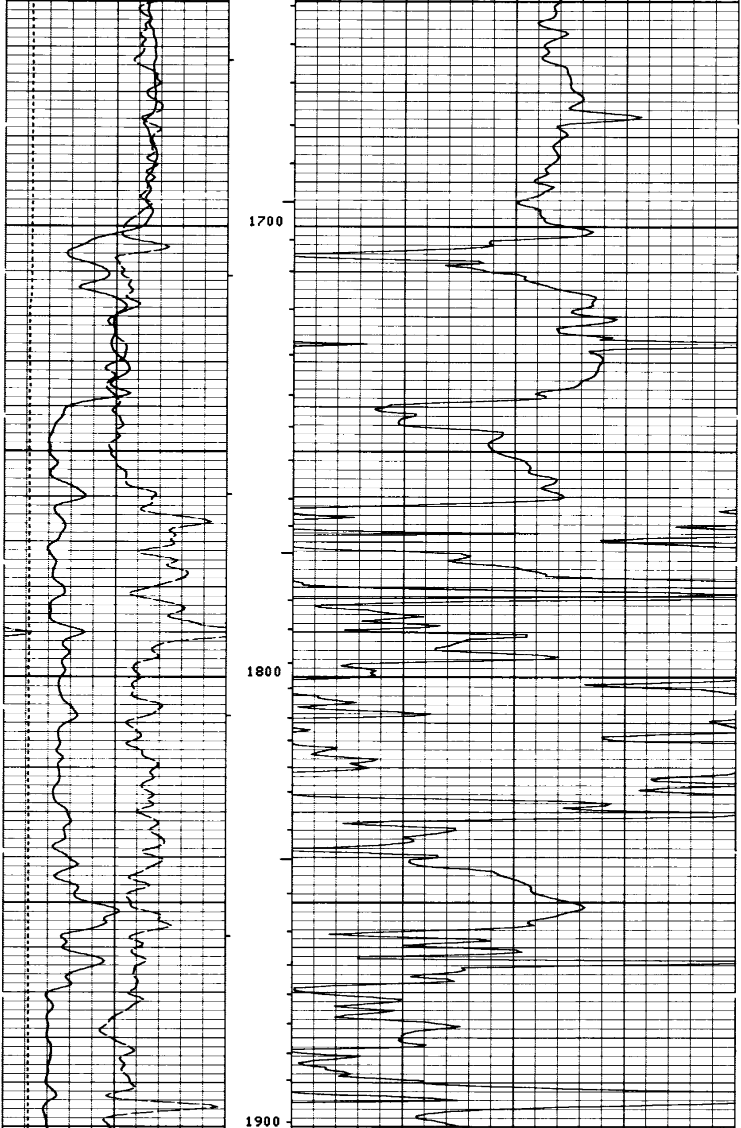

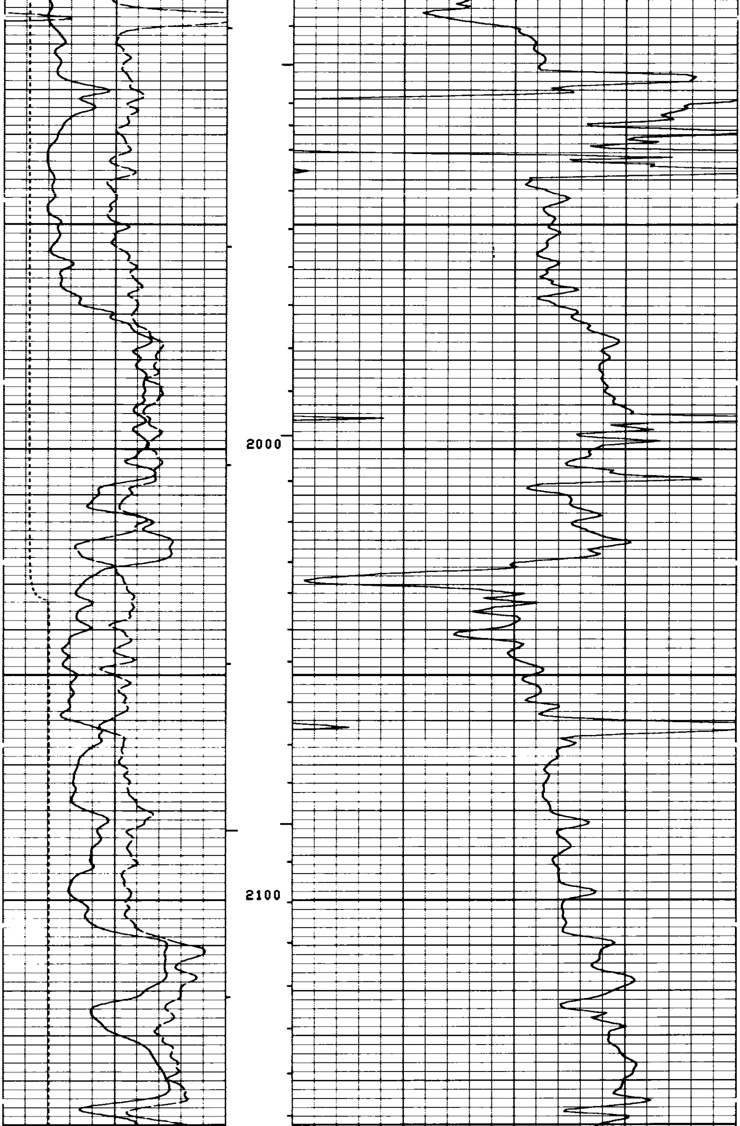

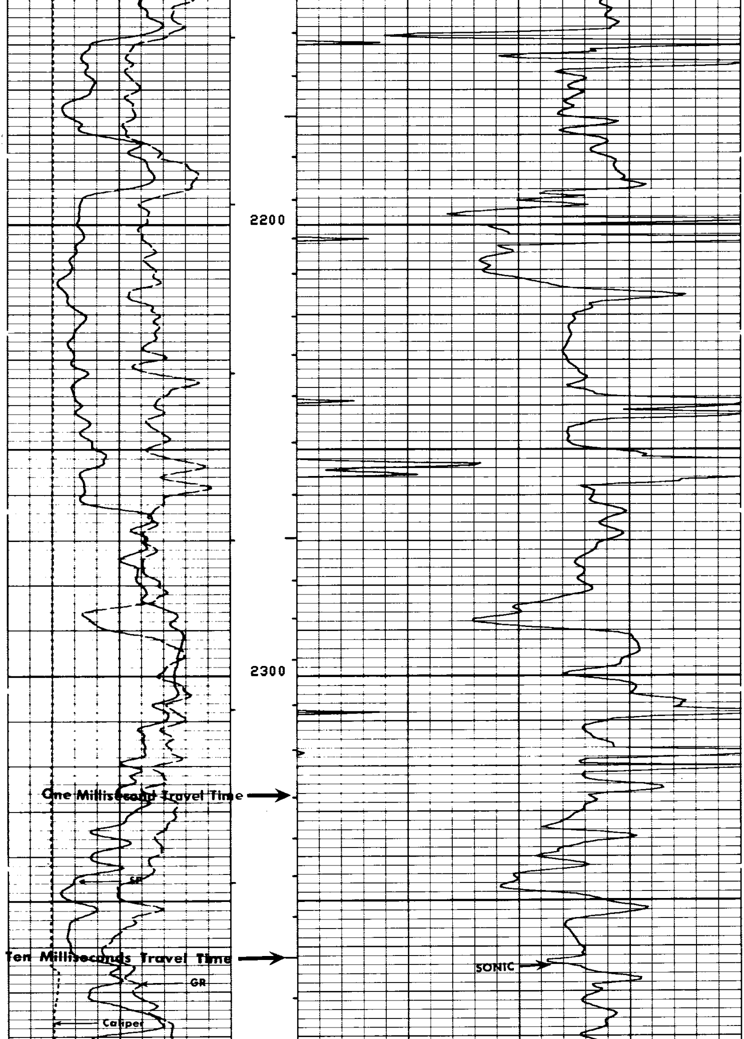

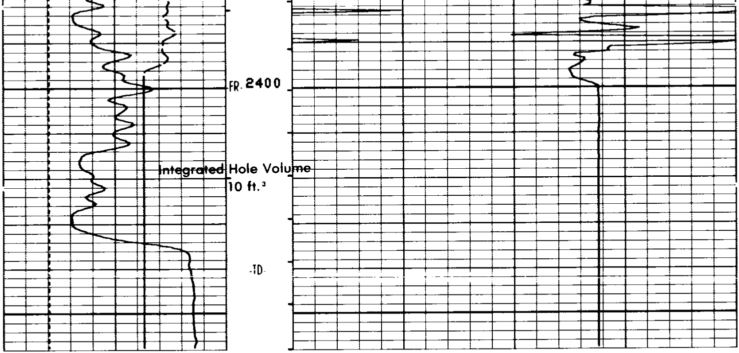

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SP (MV)
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DT (US/F)
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REPEAT SECTION

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PARAMETERS

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FPHI		SPHI	MSEC	MM/M	4.790			
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)
175.0 75.00

FILE

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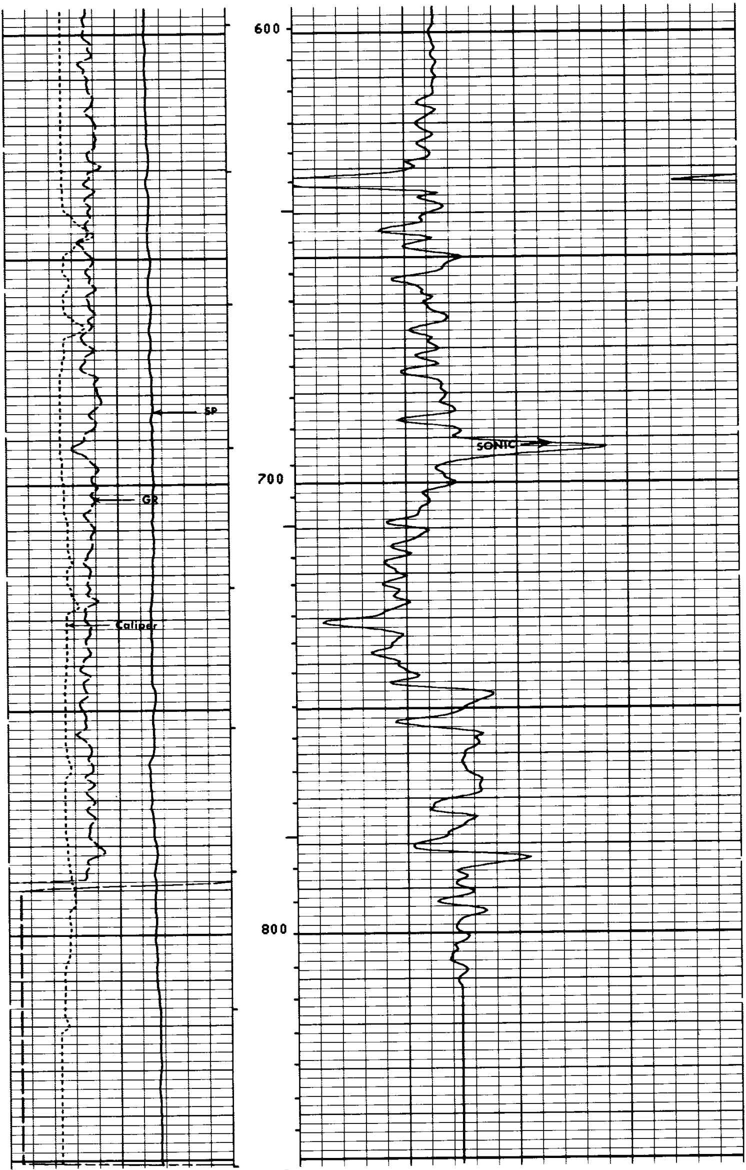

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DT (US/F)	175.0	75.00

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CALIBRATION RECORD

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 80/09/14
PROGRAM FILE: ISN (VERSION 18.2 80/ 4/29)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	ZERO	PLUS	ZERO	PLUS	UNITS
ILD	2.1	570.4	0.0	499.8	MM/M
ILM	1.5	552.2	0.0	499.9	MM/M
SFL	-5.7	514.0	0.0	499.9	MM/M

ILM SONDE ERROR CORRECTION : 4.7 MM/M
ILD SONDE ERROR CORRECTION : 5.4 MM/M

SGTE DETECTOR CALIBRATION SUMMARY

	MEASURED			
	BKGD	JIG	CALIBRATED	UNITS
GR	54	213	165	GAPI

MCDB CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	7.5	11.5	8.0	12.0	IN

FILE

CALIBRATION RECORD

COMPANY	AMERICAN QUASAR PETROLEUM COMPANY	SCHL. FR	2435
		SCHL. TD	2441
WELL	RAU NO. 18-14 RD	DRLR. TD	2440
FIELD	MIST NEHALEM BASIN	Elev: KB	593.5
		DF	--
COUNTY	COLUMBIA STATE OREGON	GL	583.0