Investment Management 20-21

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY COLUMBIA
FIELD MIST NEHALEM BASIN
LOCATION 20-6N-4W
WELL INVESTMENT MANAGE-MENT NO. 20-21
COMPANY AMERICAN QUASAR

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL INVESTMENT MANAGEMENT NO. 20-21

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

LOCATION 4142.9'NORTH & 1599.9'EAST OF THE SOUTHWEST CORNER OF:

API SERIAL NO.	SEC.	TWP	RANGE
	20	6N	4W

Other Services:
DIL
HDT

Permanent Datum: GL ; Elev.: 618.16
Log Measured From KB 10.5 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 628.66
D.F. --
G.L. 618.16

RECEIVED-PTLD
NOV 18 1980
DEPT OF GEOLOGY
& MINERAL [illegible]

Date	10-16-80			
Run No.	ONE			
Depth—Driller	2281			
Depth—Logger (Schl.)	2202			
Btm. Log Interval	2196			
Top Log Interval	522			
Casing—Driller	7" @ 521	@	@	@
Casing—Logger	522			
Bit Size	6¼"			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	73 | 45			
pH | Fluid Loss	9.5 | 6.0 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	1.95 @ 76 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.64 @ 54 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.21 @ 52 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	1.45 @ 102°F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0800			
TIME Logger on Bottom	1030			
Max. Rec. Temp.	102 °F	°F	°F	°F
Equip. | Location	8128 | SAC			
Recorded By	BORATKO/SCANLAN			
Witnessed By	SMITH			

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

Run No.	ONE			
Service Order No.	135760			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	SLM-DA-383			
Sonic Cart No.	SLC-1321			
Sonic Sonde No.	SLS-375			
Mem. Panel No.	-			
G.R. Cart. No.	-			
G.R. Panel No.	-			
Caliper No.	MCDB-290			
TTR No.	-			
Centralizers: No.	-			
Type	CME-Z			
Standoffs: No.	-			
Type	FIN 1½			
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	
Δtm	Δtf	Cp	Ø Scale	From	To
55.6	189	150	-	2202	522

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 Clause 4 of 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	55.60	CDTS		140.0	BS	INCH	6.250
SBR	OHMM	1.000	DSEC	MM/M	4.820	DTF	US/F	189.0
FPHI		SPHI	MSEC	MM/M	16.53			
DO		0.0	BHS		OPEN			

CALI(IN)			DT (US/F)	
5.000	15.00			
SP (MV)				
-100.0	0.0		175.0	75.00

FILE

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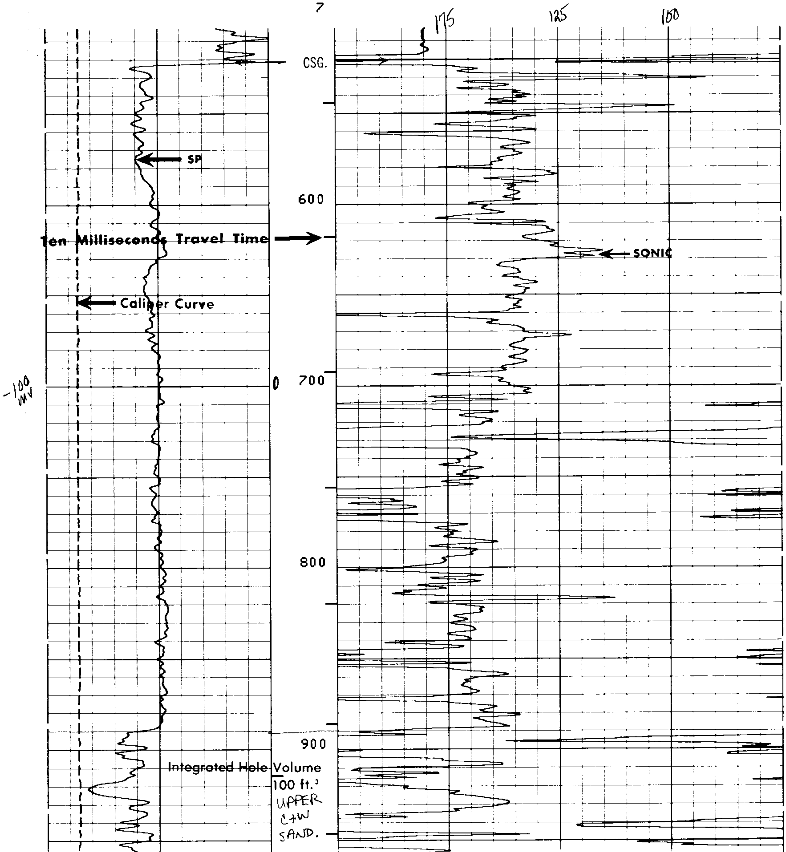

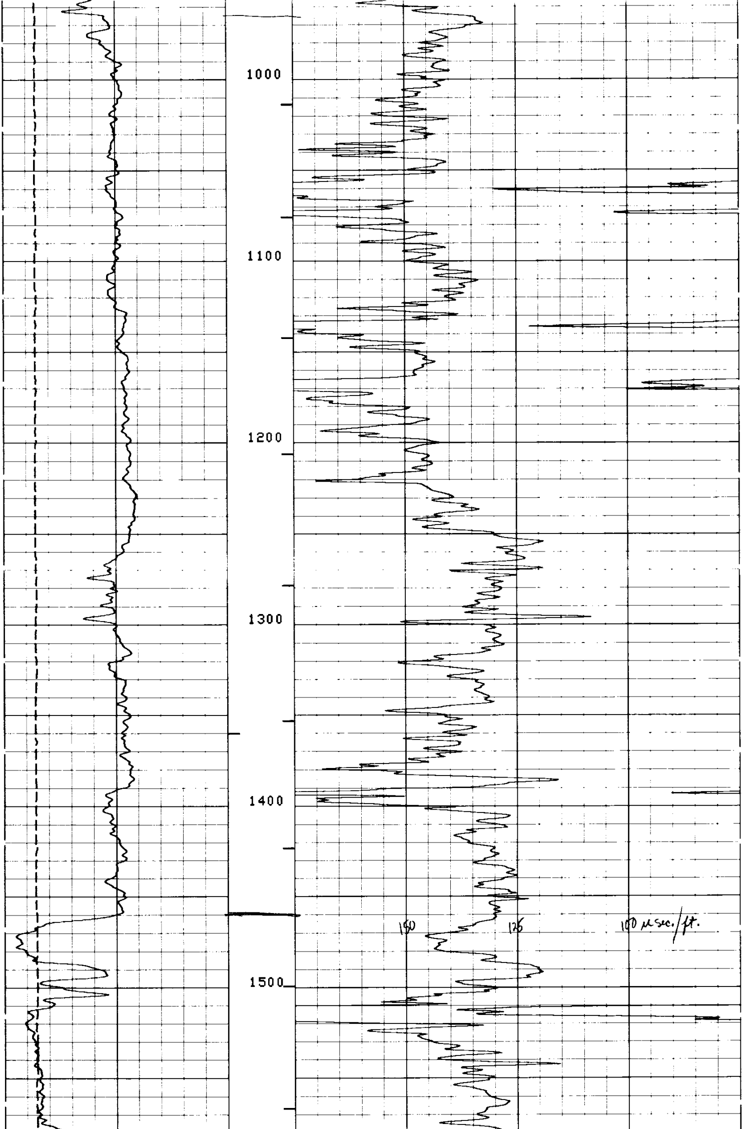

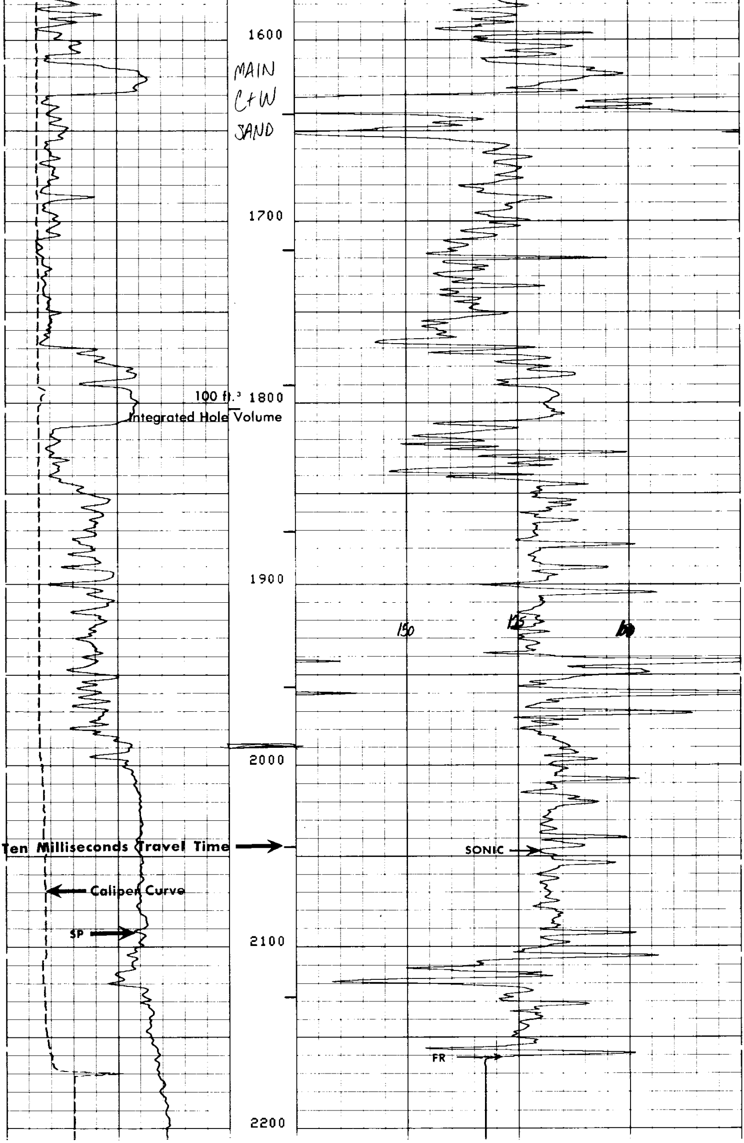

FILE

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

DT (US/F)
175.0 75.00

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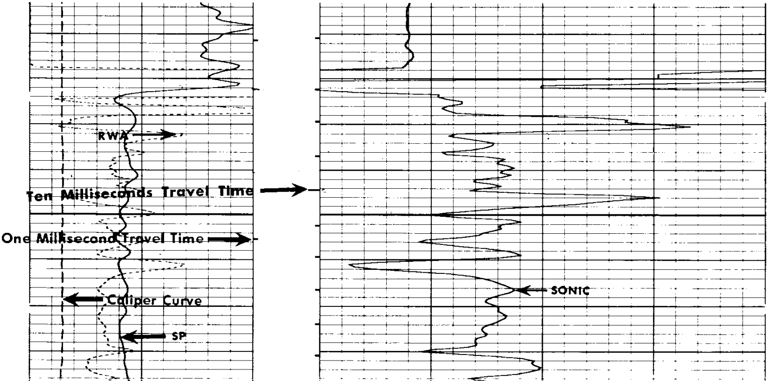
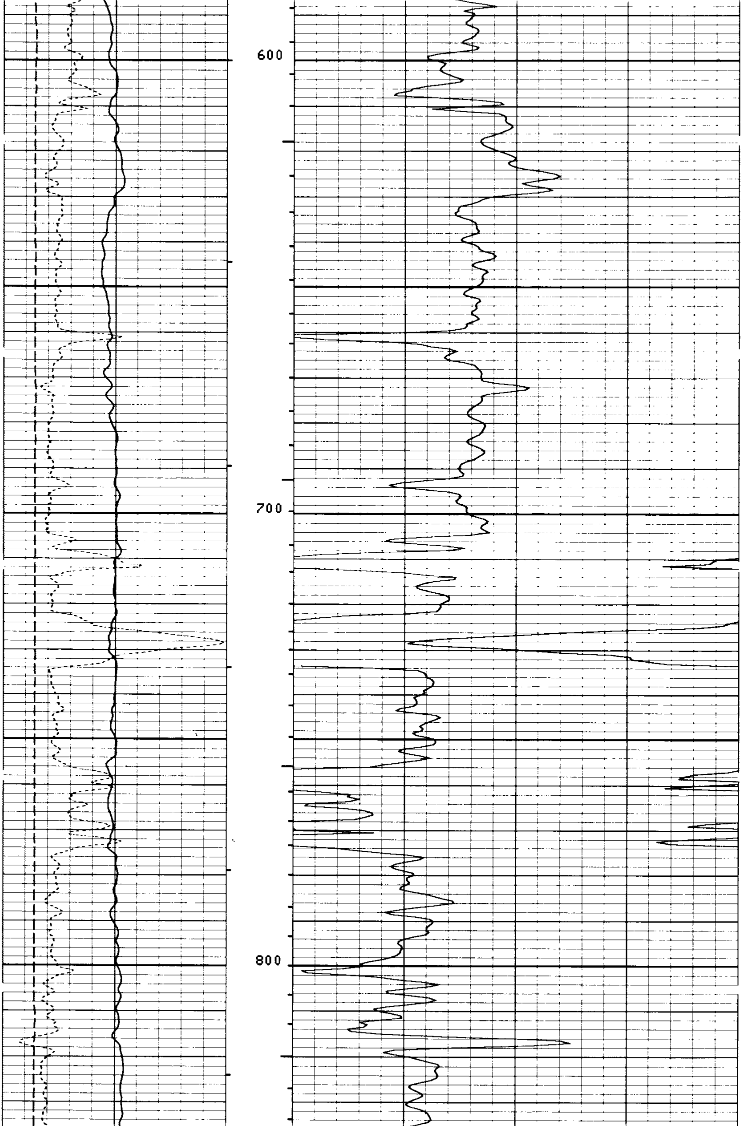
RWA (OHMM)
0.0 3.000
CALI(IN)
5.000 15.00
SP (MV)
-100.0 0.0

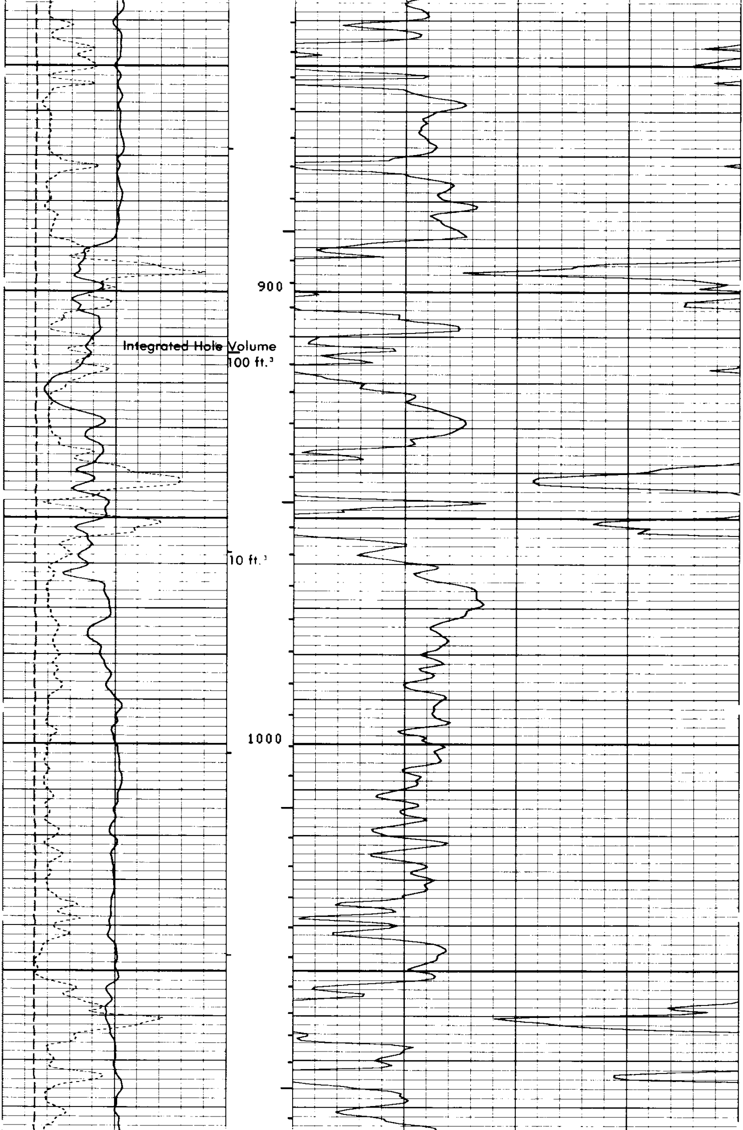
DT (US/F)
175.0 75.00

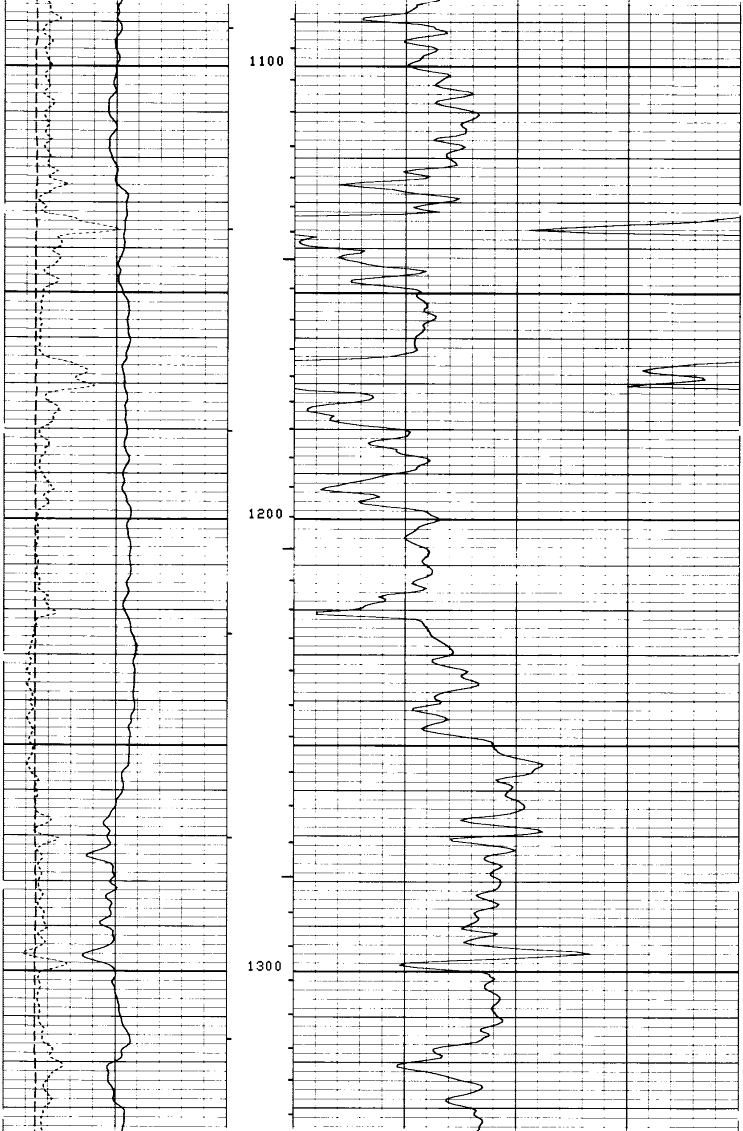
FILE

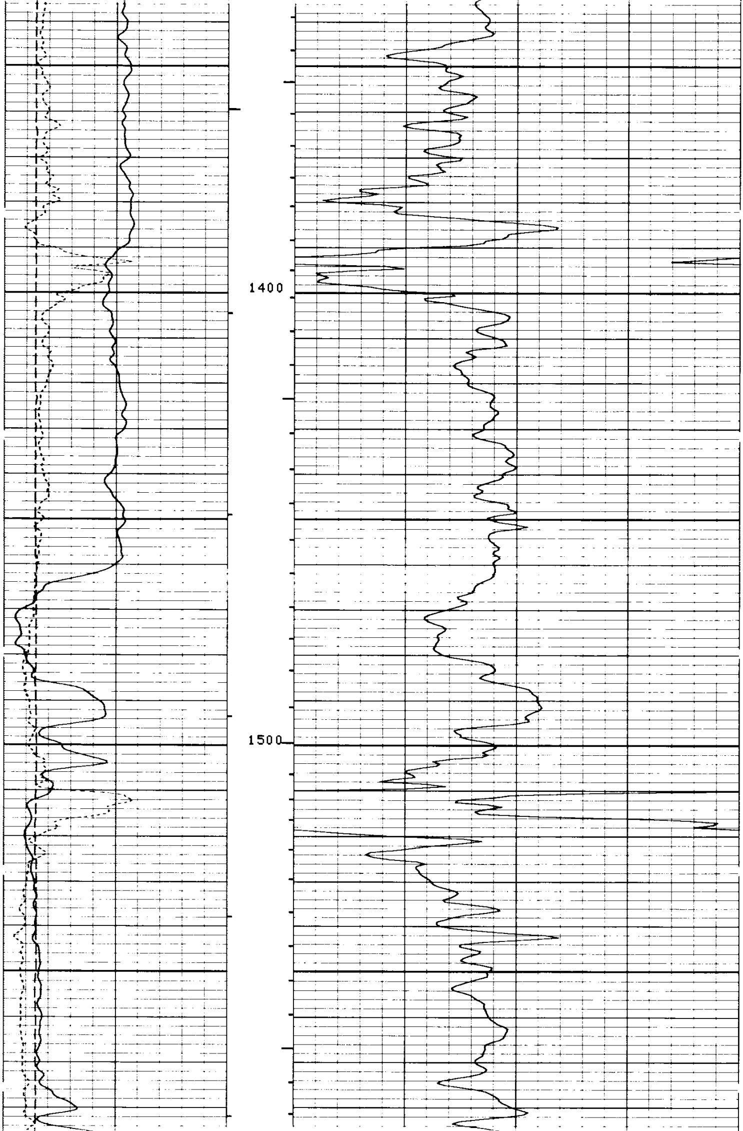
102

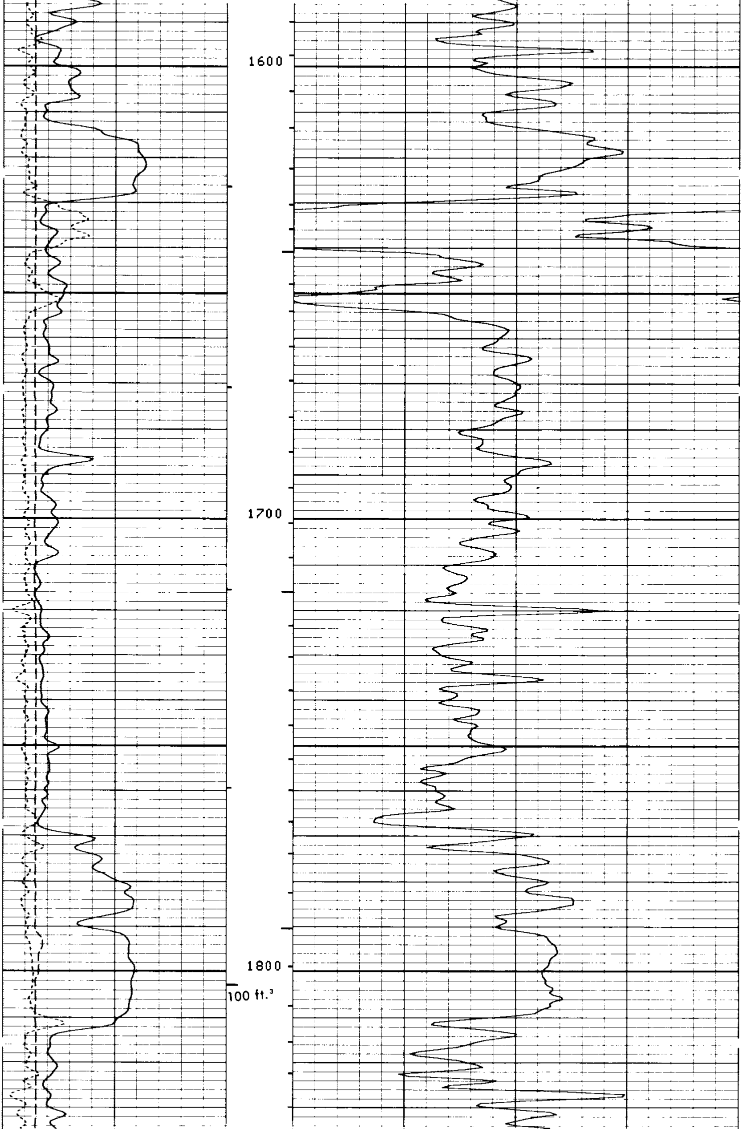


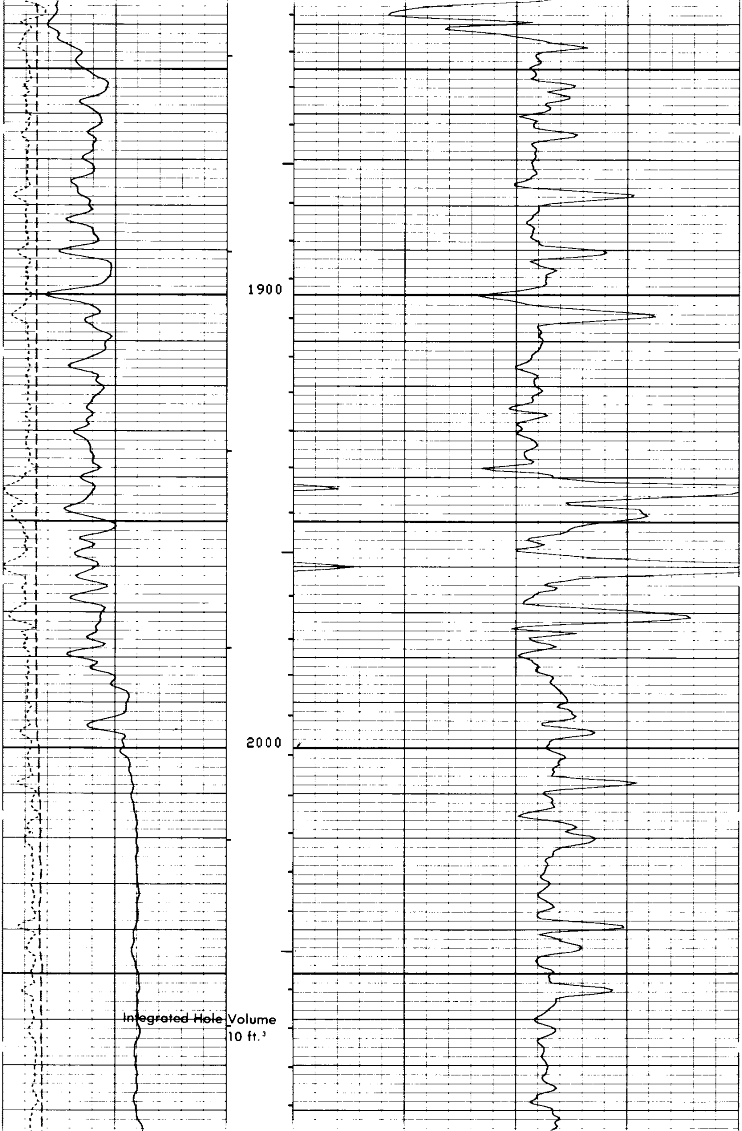


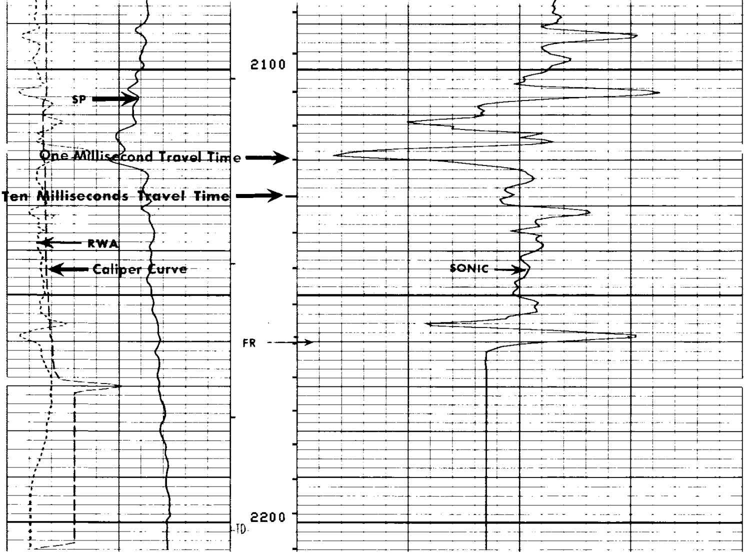












FILE

102

RWA (OHMM)
0.0 3.000
CALI(IN)
5.000 15.00
SP (MV)
-100.0 0.0

DT (US/F)
175.0 75.00

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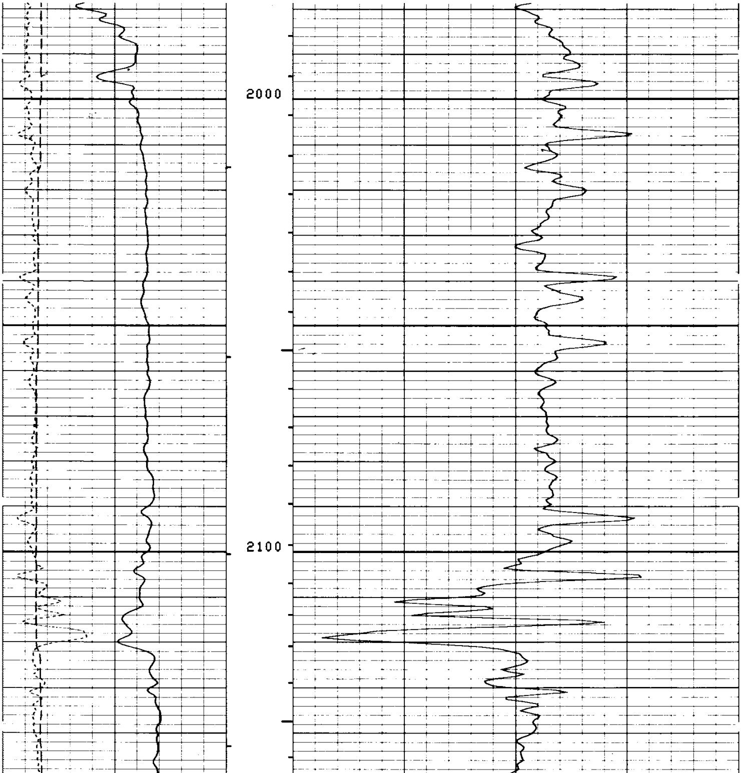
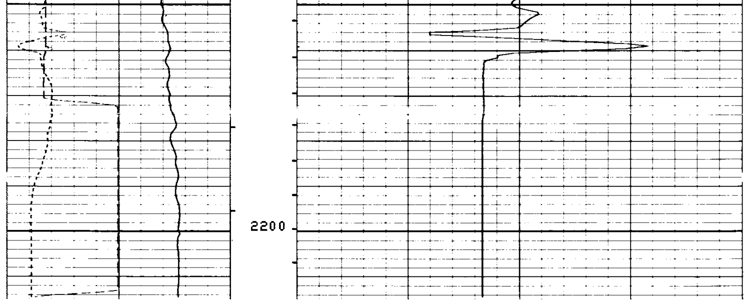
FILE

101





FILE

101

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COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL INVESTMENT MANAGEMENT NO. 20-21

FIELD MIST NEHALEM BASIN

COUNTY COLUMBIA STATE OREGON

SCHL. FR 2196
SCHL. TD 2202
DRLR. TD 2281
Elev:
KB 628.66
DF --
GL 618.16