Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY COLUMBIA
FIELD WILDCAT
LOCATION 29 6N 4W
WELL QUASAR 29-14
CROWN ZELLERBACH
COMPANY AMERICAN QUASAR

COMPANY AMERICAN QUASAR PETROL[illegible]Y

RECEIVED
JAN 23 1980
GEOLOGY

WELL QUASAR 29-14 CROWN ZELL[illegible]

FIELD WILDCAT

COUNTY COLUMBIA **STATE** OREGON

LOCATION			
251' NSL & 819' EWL			
API SERIAL NO	SEC	TWP	RANGE
	29	6N	4W

Other Services:
DI-SFL
FDC/CNL/GR
HDT

Permanent Datum: GL ; Elev.: 566.9
Log Measured From KB 10 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 576.9
D.F. - -
G.L. 566.9

Date	11-1-79			
Run No.	ONE			
Depth—Driller	2880			
Depth—Logger (Schl.)	2870			
Btm. Log Interval	2830			
Top Log Interval	508			
Casing—Driller	7" @ 508	@	@	@
Casing—Logger	508			
Bit Size	6¼"			
Type Fluid in Hole	GEL			
Dens. | Visc.	9.4 | 58	|	|	|
pH | Fluid Loss	10.8 | 7 ml	| ml	| ml	| ml
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	2.56 @ 76 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	3.2 @ 58 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.34 @ 60 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M	|	|	|
Rm @ BHT	2.05 @ 95 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1400			
TIME Logger on Bottom	1730			
Max. Rec. Temp.	95 °F	°F	°F	°F
Equip. | Location	8126 | SAC	|	|	|
Recorded By	ANDERSEN			
Witnessed By Mr.	LONG			

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

Run No.	ONE			
Service Order No.	216[illegible]1			
Fluid Level	FULL			

EQUIPMENT DATA

Sonic Panel No.	CSU			
Sonic Cart No.	CSU			
Sonic Sonde No.	QA1329			
Mem. Panel No.	- -			
G.R. Cart. No.	- -			
G.R. Panel No.	- -			
Caliper No.	- -			
TTR No.	- -			
Centralizers: No.	1			
Type	CME-Z			
Standoffs: No.	- -			
Type	- -			
Time Const.-Sec.	- -			
Speed - F.P.M.	70			

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	
Δt_m	Δt_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 Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS-POTENTIAL

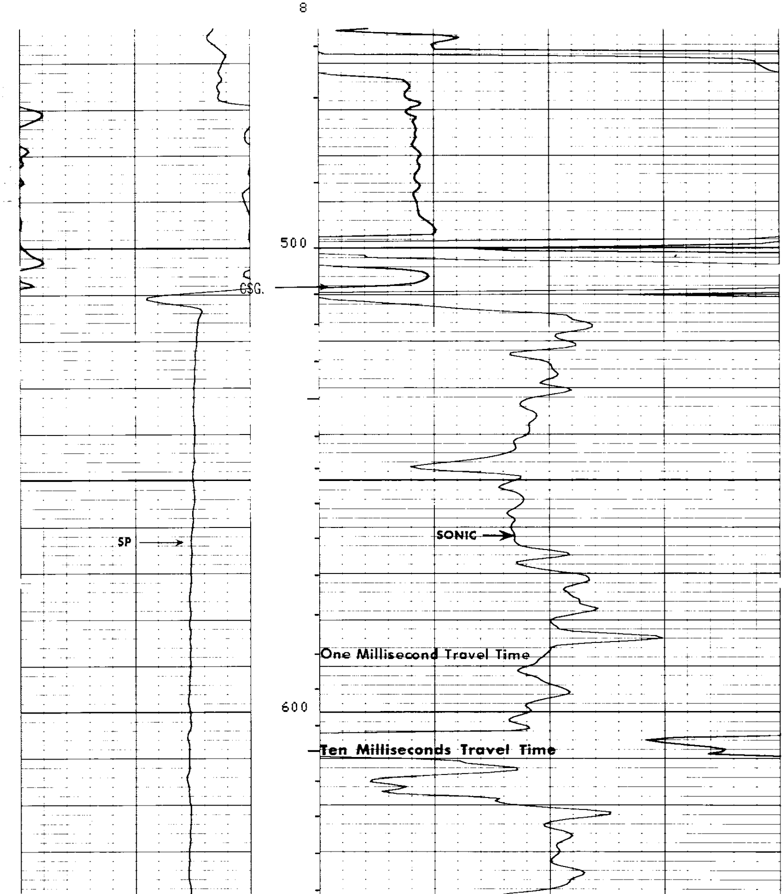
— 15 + MILLIVOLTS

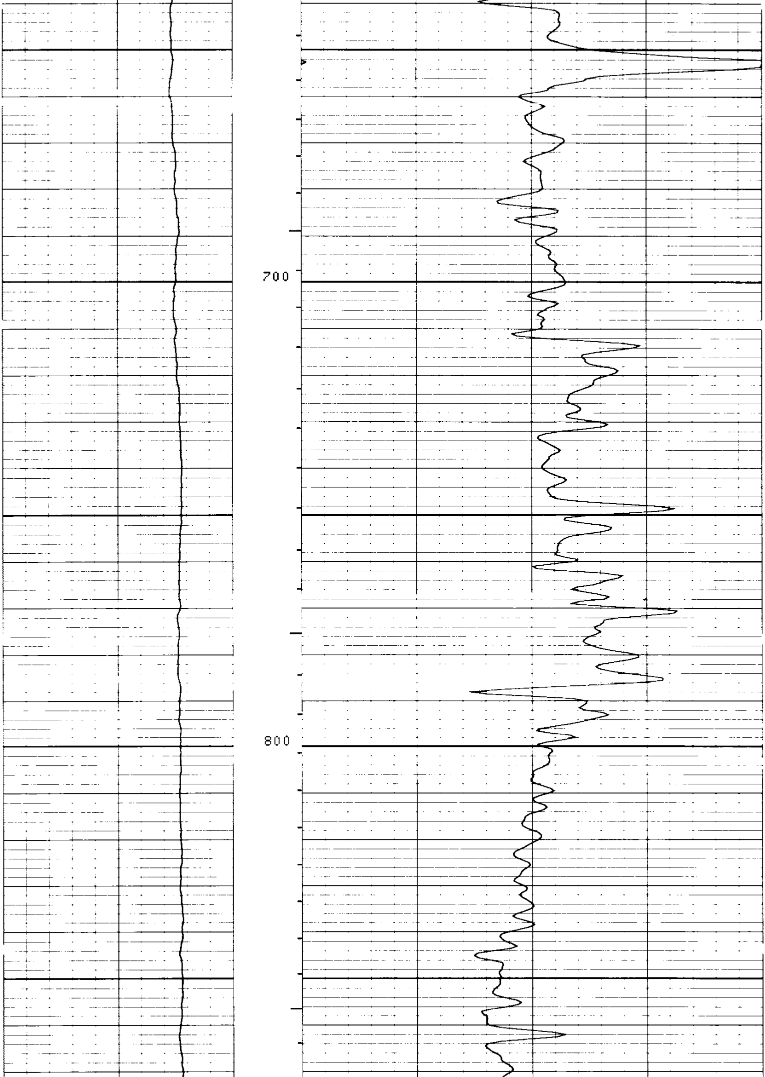
DEPTH

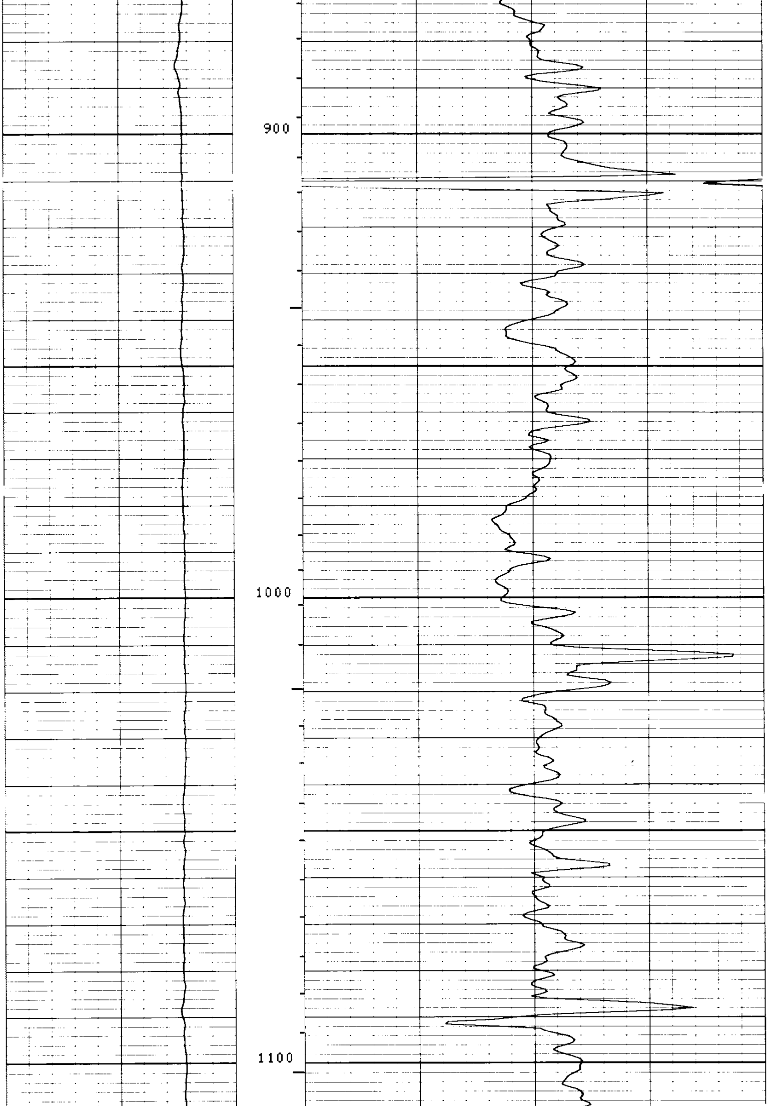
INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T__ R₁ 3' R₂ 2'

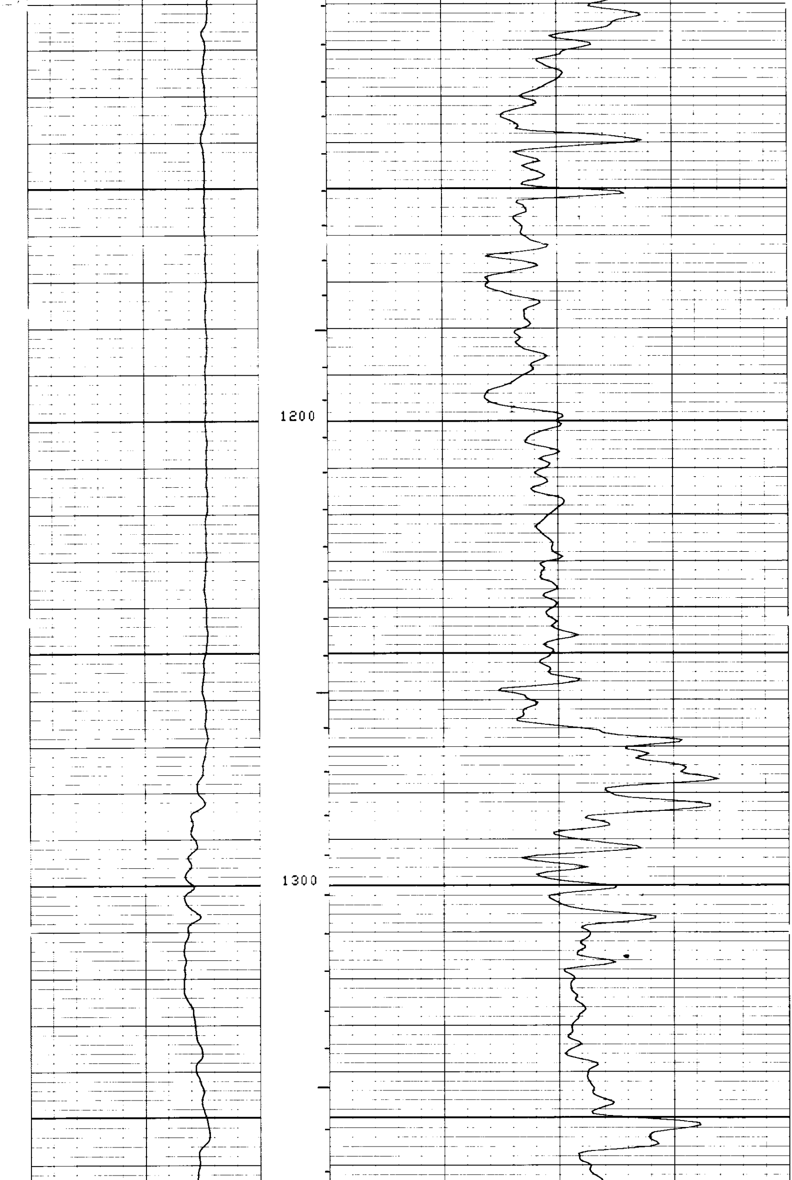
175	125	75

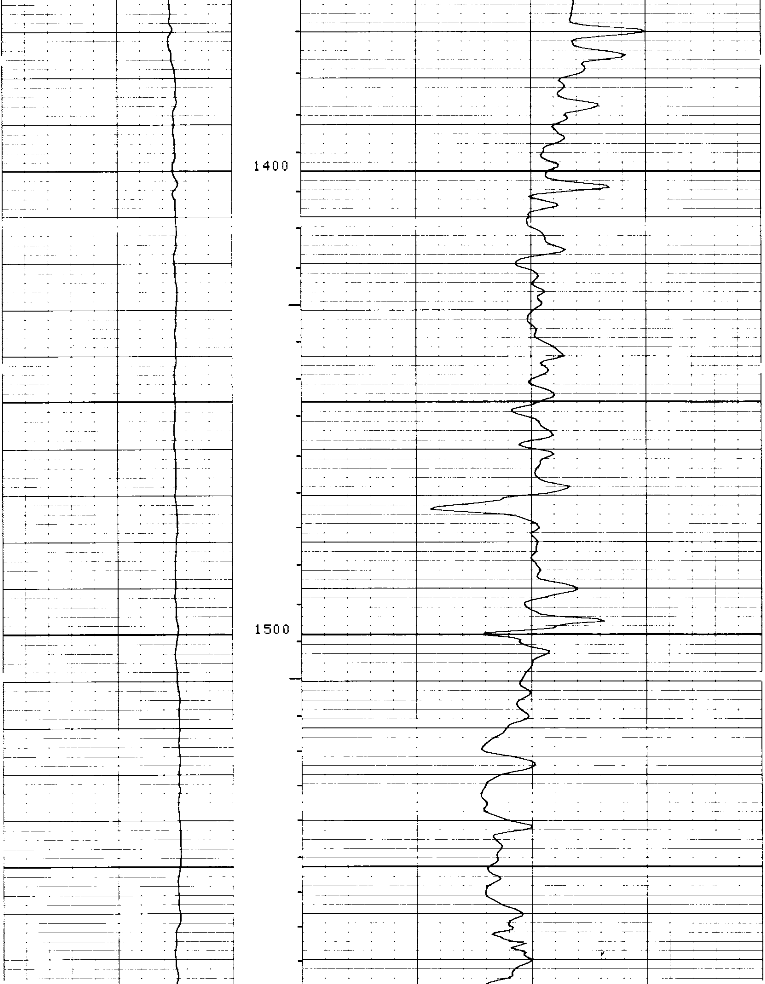
INTEGRATED TRAVEL TIME

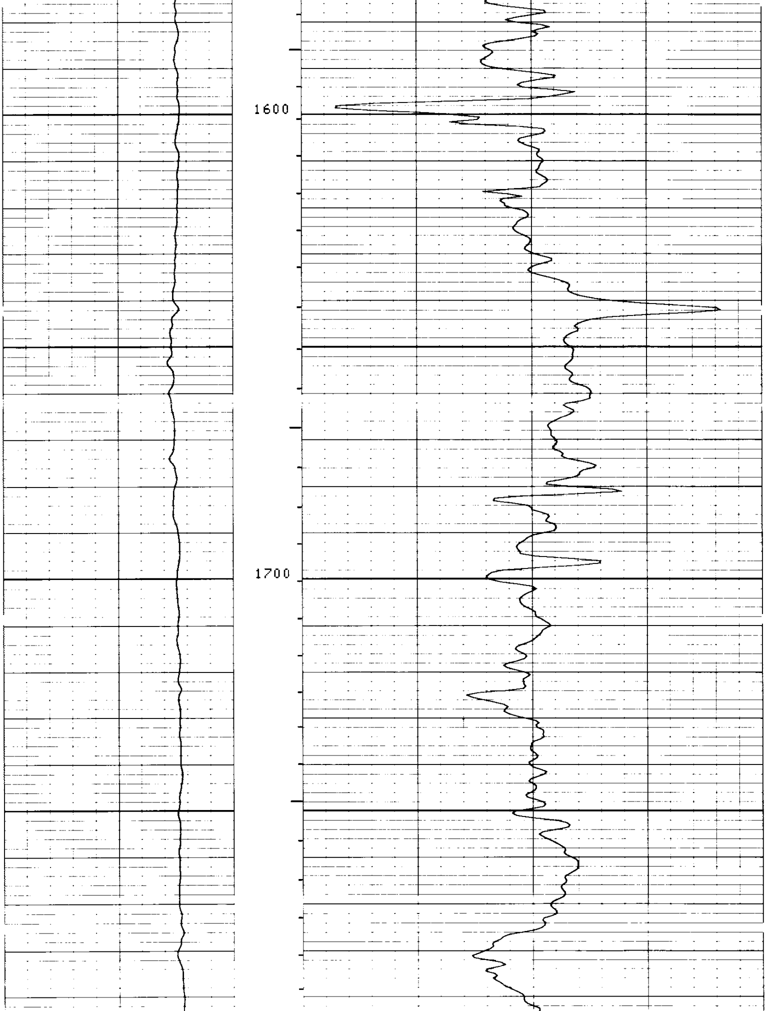


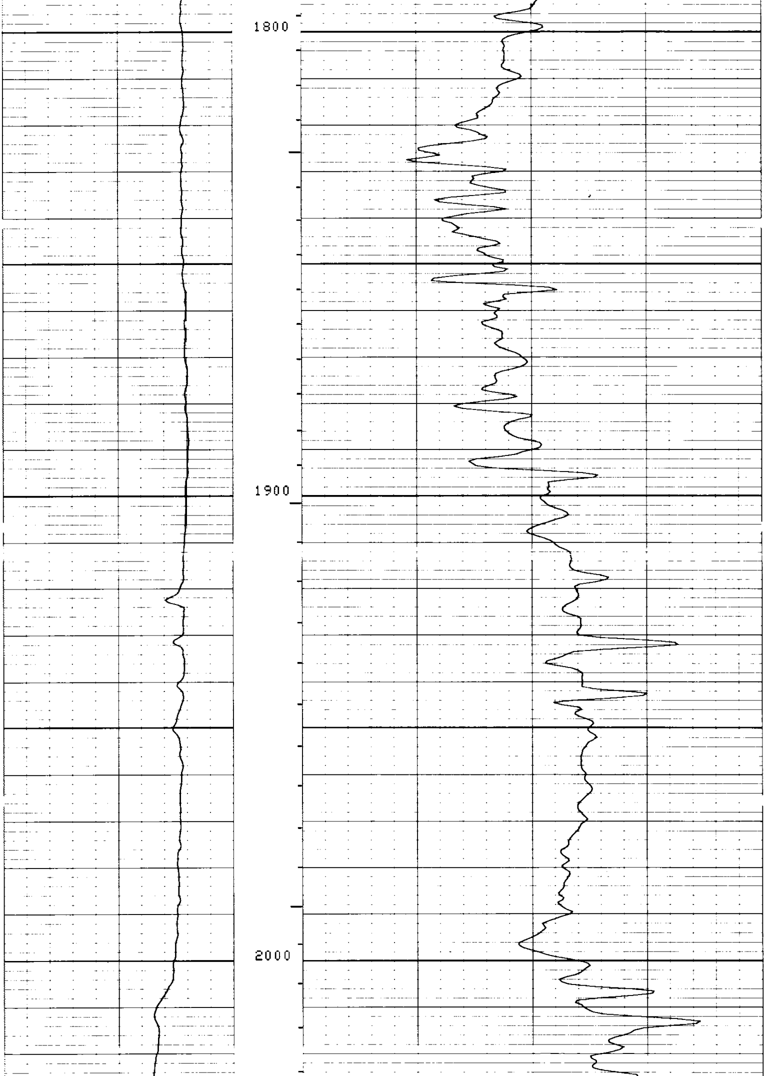


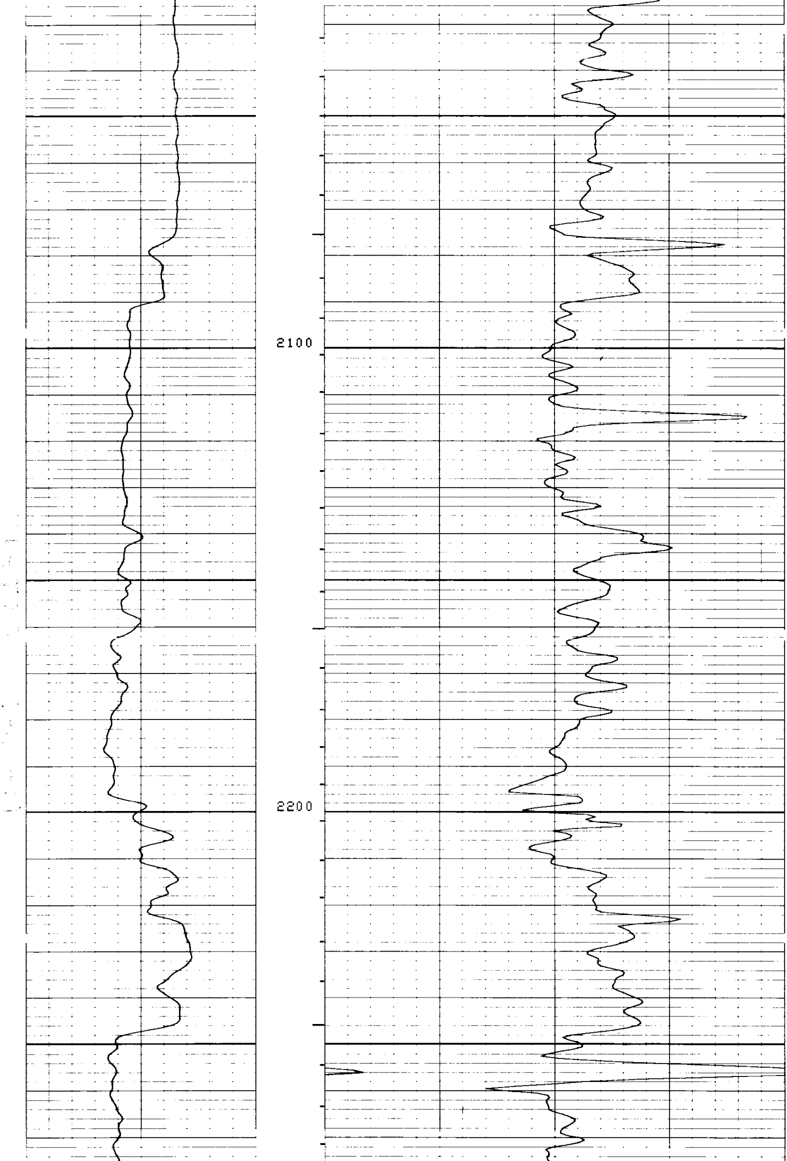


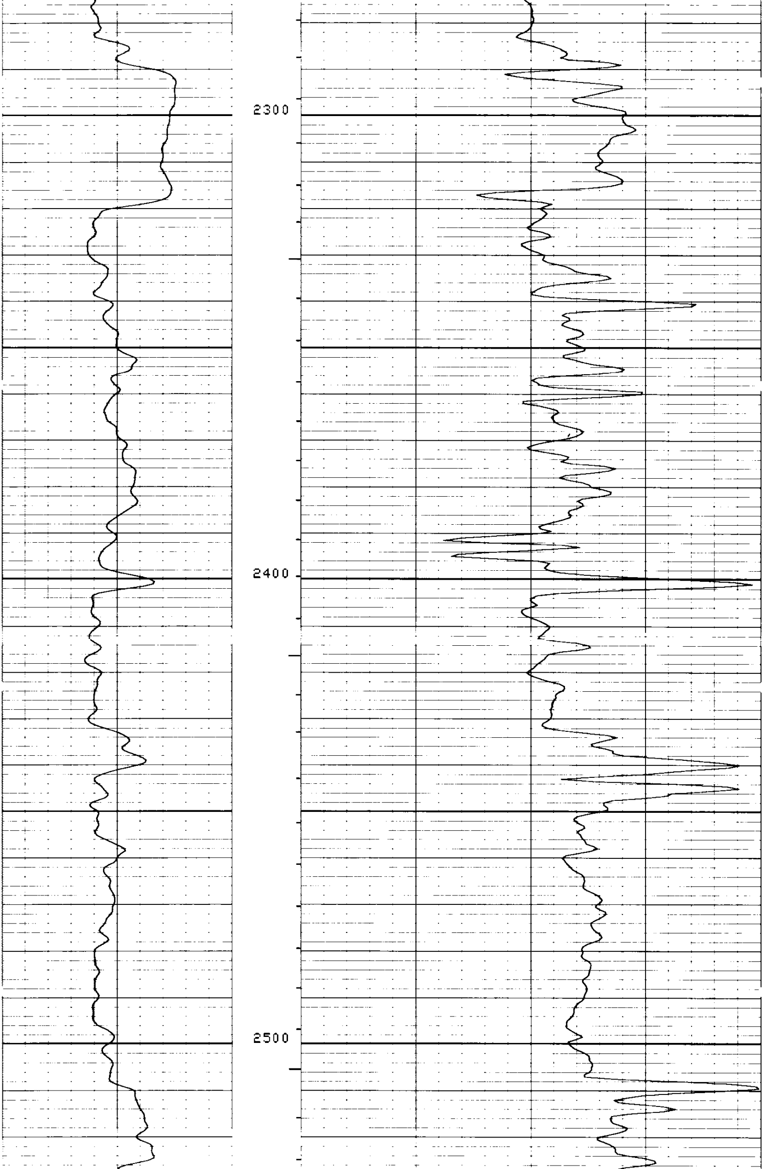


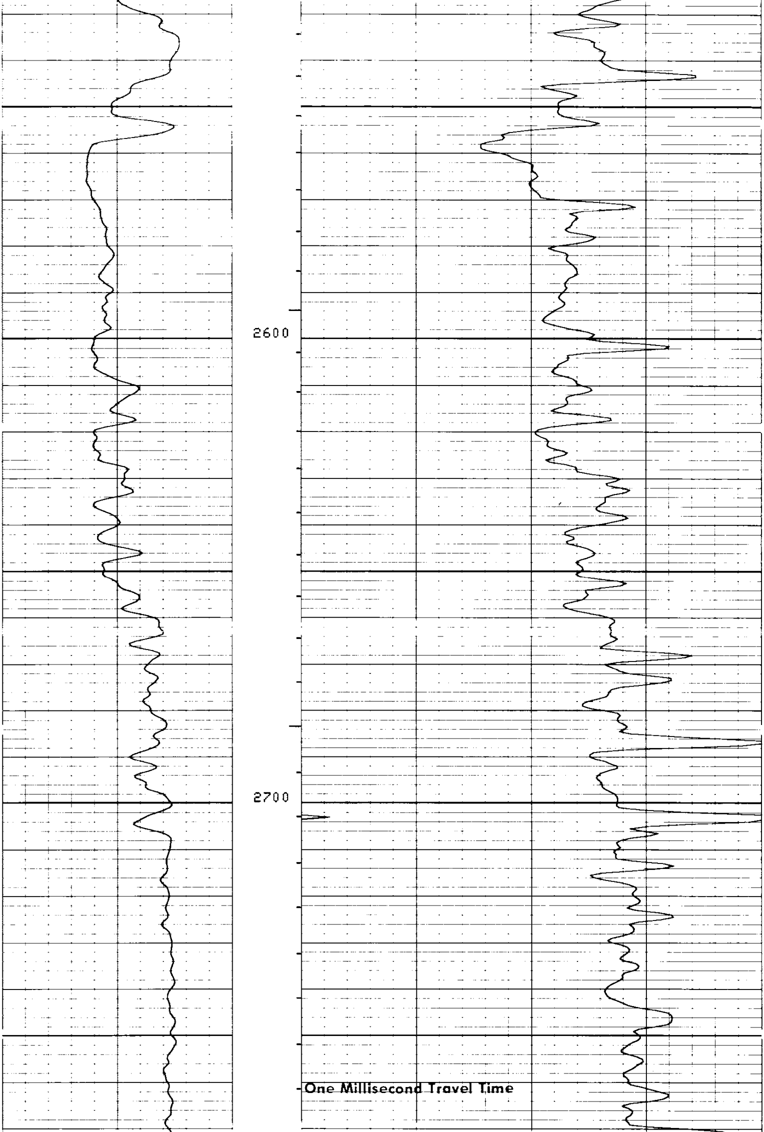


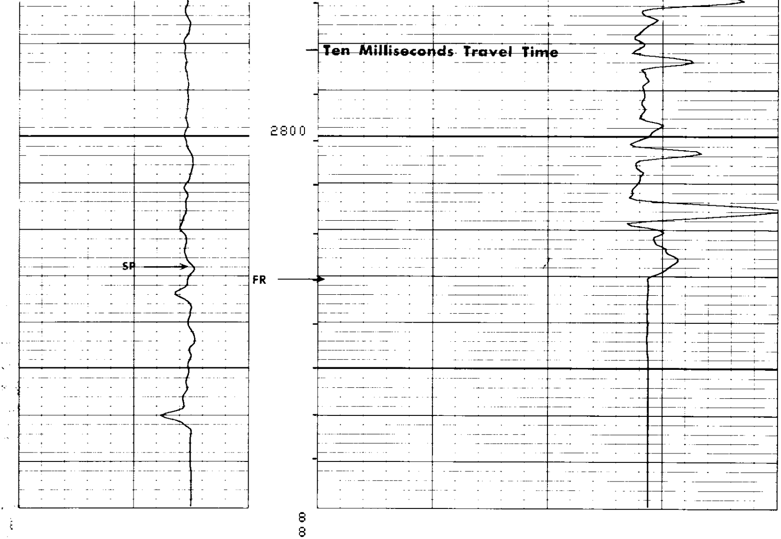












SPONTANEOUS-POTENTIAL

— 15 + MILLIVOLTS

INTEGRATED TRAVEL TIME

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT $T\,3'\,R_1\,2'\,R_2$

175 125 75

DEPTH

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL QUASAR 29-14 CROWN ZELLERBACH

FIELD WILDCAT

COUNTY COLUMBIA STATE OREGON

SCHL. FR 2830

SCHL. TD 2870

DRLR TD 2880

Elev: KB 576.9

DF - -

GL 566.9