GL01962-DOC2

Schlumberger

CEMENT BOND LOG

VARIABLE DENSITY

COUN
Field
LOCA
WELL
[redacted]
COMPANY CHEVRON U.S.A., INC

COMPANY	CHEVRON U.S.A., INC.
WELL	BEOWAWE 85-18
FIELD	BEOWAWE GEYSERS
COUNTY	LANDER
STATE	NEVADA

LOCATION API Serial No.
2960' SOUTH & 80' WEST OF THE NORTHEAST ¼ OF:
Sec. 18 Twp. 31N Rge. 48E

Other Services:
HDT HRT FIL
DI-SFL BHC FDC
FDC/CNL/GR

Permanent Datum: GL, Elev. 4920
Log Measured From KB, 15 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 4935
D.F. --
G.L. 4920

Date	5-10-80	Type Drill Fluid	GEL
Run No.	ONE	Fluid Level	FULL
Depth — Driller	4543	Max. Rec. Temp.	250 °F
Depth — Logger	4543	Est. Cement Top	--
Btm. Log Interval	2990	Equip. | Location	7763 | SAC
Top Log Interval	750	Recorded By	ANDERSEN
Open Hole Size	12¼	Witnessed By	IOVENETTI

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String	20				0	60
Prot. String	13⅜				0	1006
Prod. String	9⅝				785	2937
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of cement	NA	NA	NA	NA
Type of cement				
Additive				
Retarder				
Wt. of slurry				
Water loss				
Type fluid in csg.				
Fluid wt.				

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

PRIMARY CEMENTING PROCEDURE	Hour — date		Hours from start of operation
Started pumping cement			
Release pressure			
Start Cement Bond Log	1200	5-10-80	
Finish Cement Bond Log	1600	5-10-80	

REMARKS
Service Order No. 123994
Csg. Collars Recorded ft.

Preceding fluid ___ Volume ___ bbls.
Cement pumped ___ bbls./minute

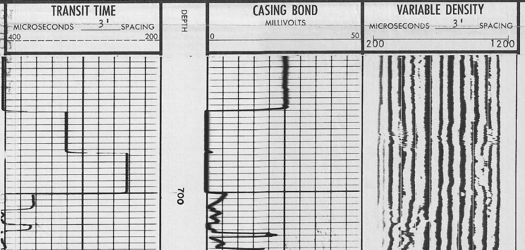
Pipe reciprocated during Pumping: Yes ___ No X
Pipe reciprocated after plug down: Yes ___ min., No X

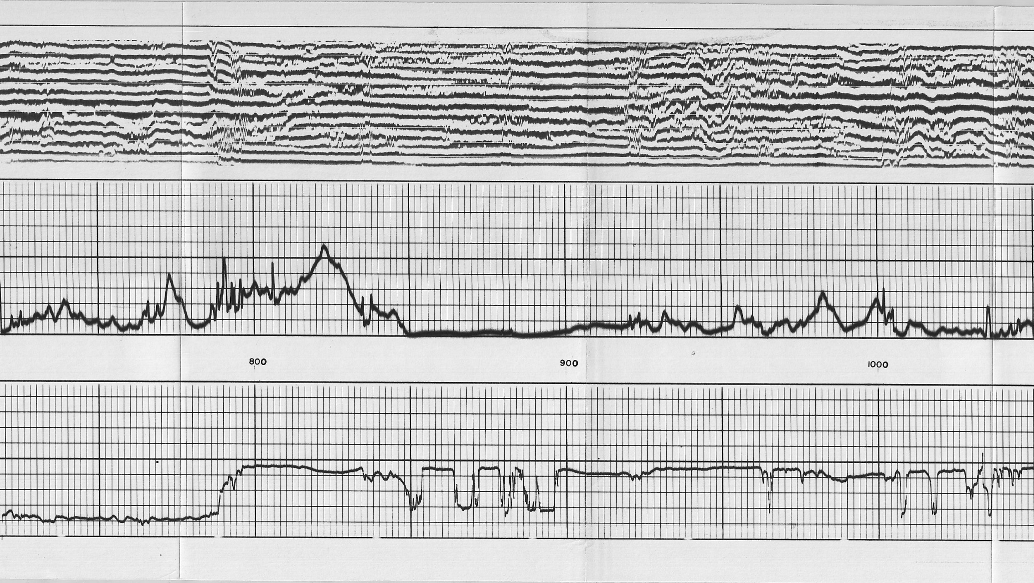
SQUEEZE JOB DETAIL		
Squeeze number	1	2
Date		
Depth interval		
Type cement		
Volume of cement		
Additive		
Retarder		
Weight of slurry		
Preceding fluid		
Breakdown pressure		
Max. pressure-stage 1		
" " " 2		
" " " 3		
Final maximum pressure		
Started pumping cement		
Released pressure		
Start CBL		
Finish CBL		

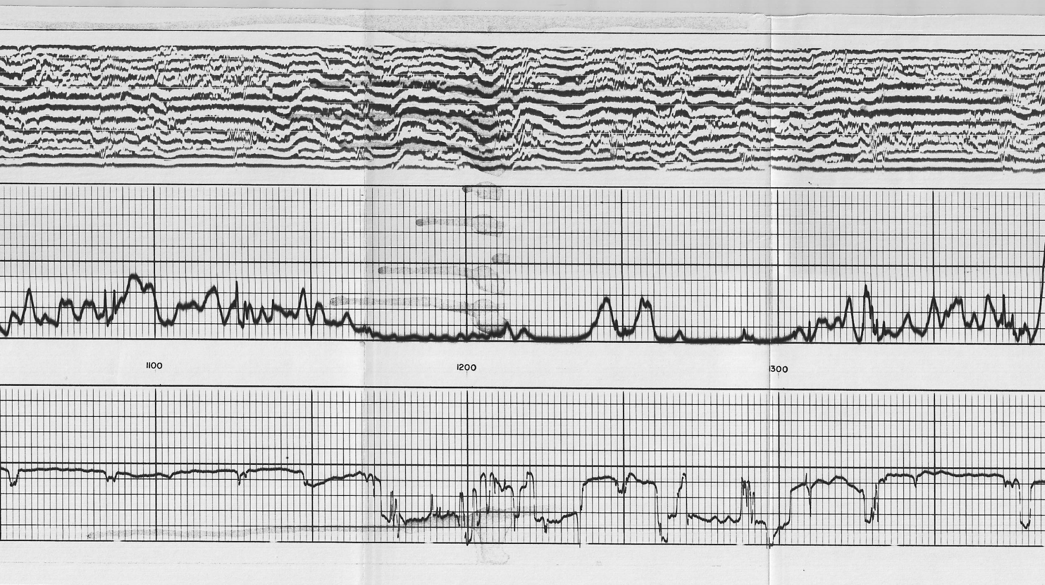
EQUIPMENT DATA		Centralizer Depths	Scratcher Depths
Sonic Panel No.	630		
Sonic Cart No.	520		
Sonic Sonde No.	1		
CRP No.	255		
Mem Panel No.	- -		
GR Panel No.	- -		
GR Cart No.	- -		
Centralizer: Type	CME-Z		
No.	1		
To Level (MV)	100		
Cart. Gain	1/20		
CRP Intensity	.25		
R9G Intensity	.7		
Logging Speed	40 FT/MIN.		
Time Constant	- -		

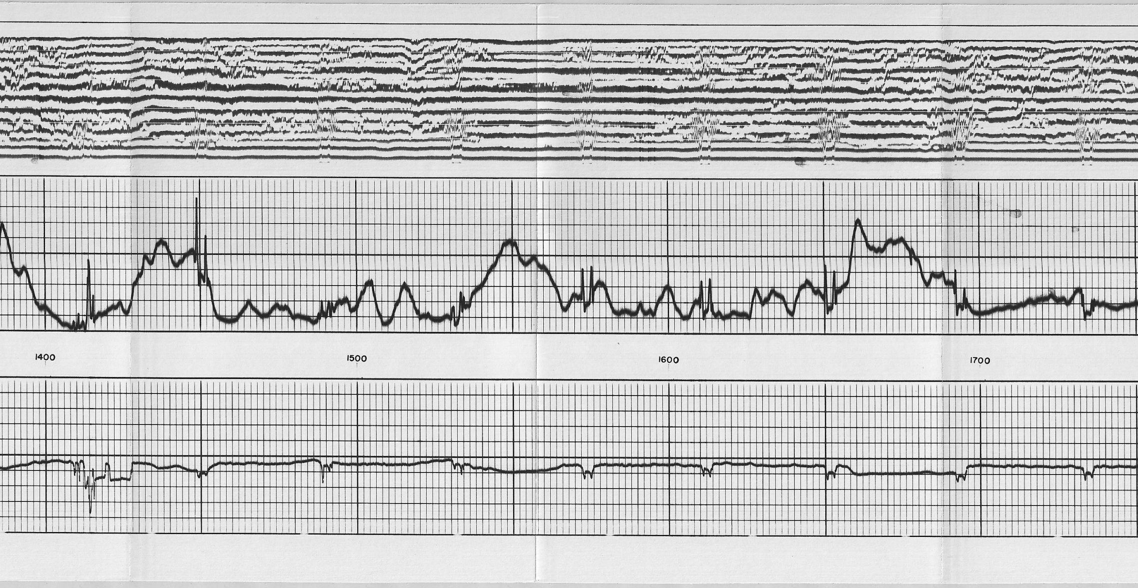
CAMERA VDL - OVERHEATED &QUIT
COOLED AND STARTED 2280-2380

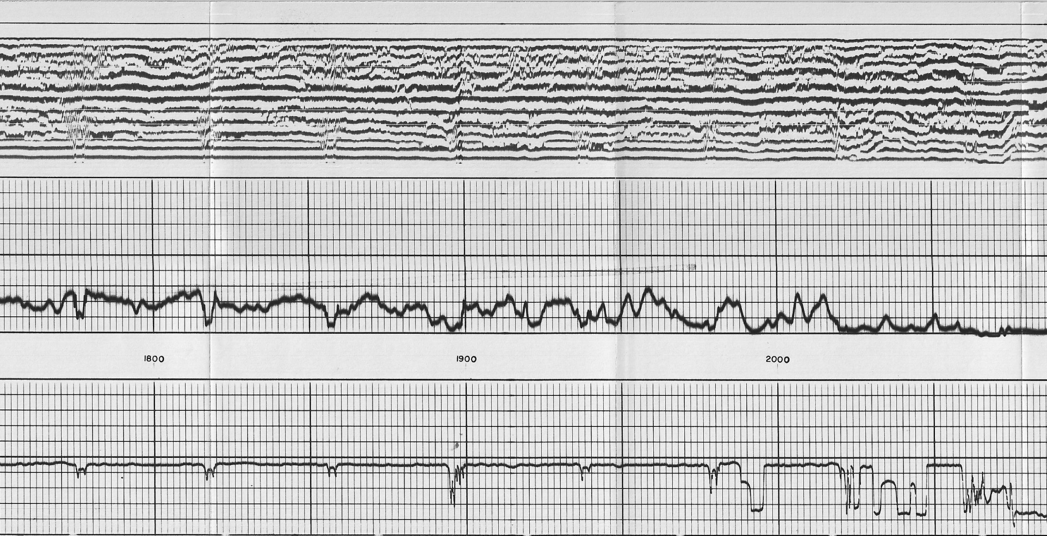
AVERAGE WELL DRIFT:
° from to ; ° from to ; ° from to

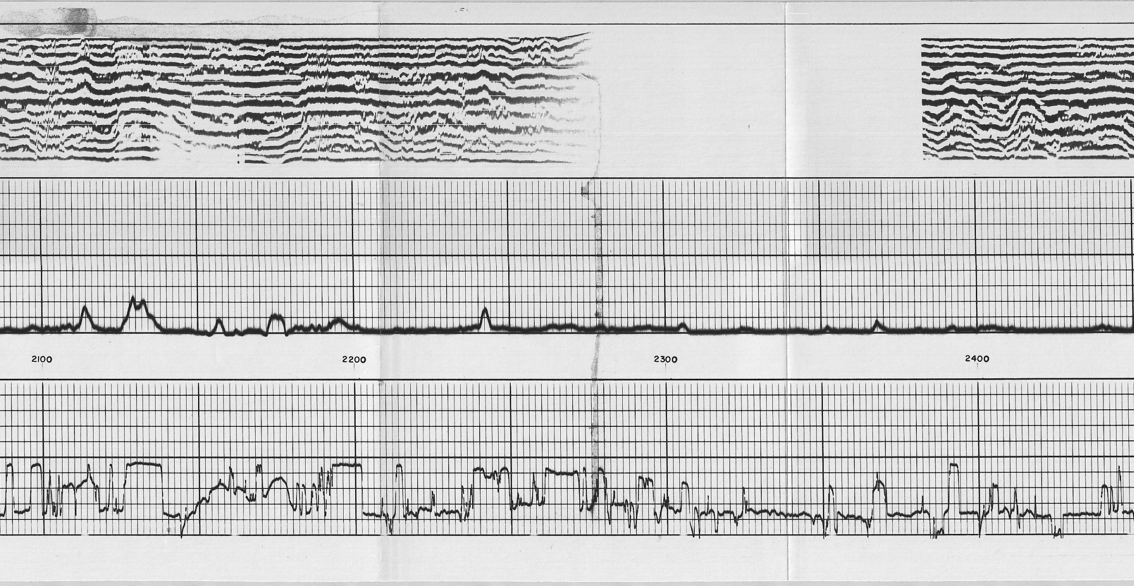


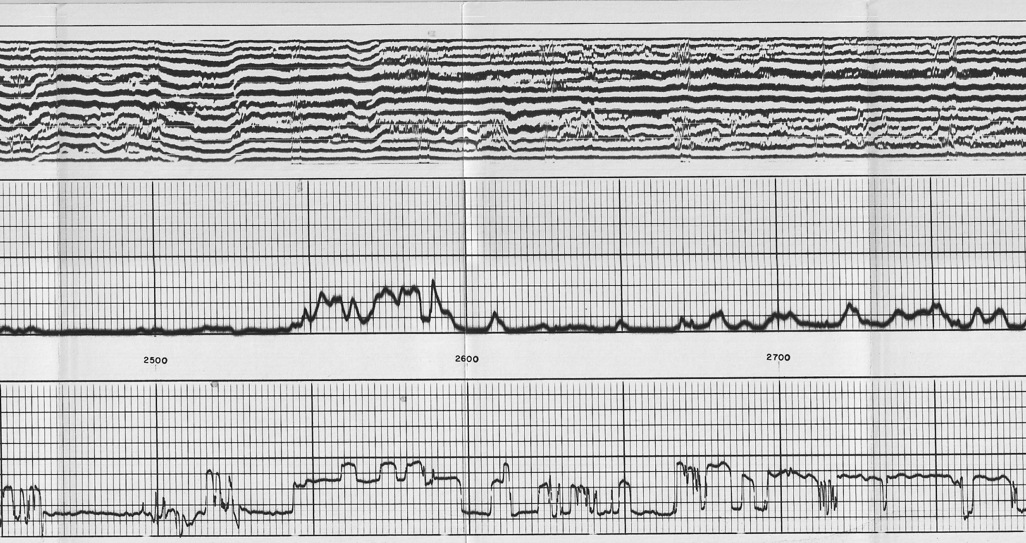


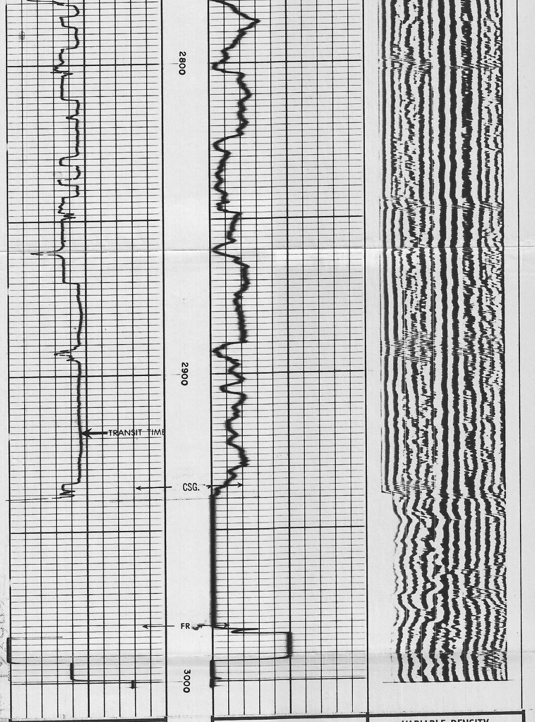












TRANSIT TIME
MICROSECONDS 3' SPACING
400 200

DEPTH

CASING BOND
MILLIVOLTS
0 50

VARIABLE DENSITY
MICROSECONDS 3' SPACING
200 1200

COMPANY CHEVRON U.S.A., INC.
WELL BEOWAWE 85-18
FIELD BEOWAWE GEYSERS
COUNTY LANDER STATE NEVADA

SCHL. FR 2990
SCHL. TD 4543
DRLR TD 4543
Elev:
KB 4935
DF - -
GL 4920

CEMENT BOND CALIBRATION CODING

	Δt	AMPLITUDE
1.	MECHANICAL ZERO	MECHANICAL ZERO
2.	240 μ sec	ELECTRICAL ZERO
3.	320 μ sec	CALIBRATE
4.	400 μ sec	