[redacted]

GL04309_7

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COMPANY	CHEVRON GEOTHERMAL
WELL	HGU # 153
FIELD	HEBER
COUNTY	IMPERIAL
STATE	CALIFORNIA

LOCATION	
	NOT AVAILABLE
API SERIAL NO.	
SEC.	
TWP	
RANGE	

Other Services:

COUNTY IMPERIAL
FIELD HEBER
LOCATION
WELL HGU # 153
COMPANY CHEVRON GEOTHERMAL

Permanent Datum: GL ; Elev.:
Log Measured From KB 28.6 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B.
D.F.
G.L.

Date	11 27 84			
Run No.	ONE			
Depth—Driller	6710			
Depth—Logger (Schl.)	6686			
Btm. Log Interval	6662			
Top Log Interval	821			
Casing—Driller	16" @ 822	@	@	@
Casing—Logger	821			
Bit Size	14 3/4			
Type Fluid in Hole	MIL TEMP			
Dens. / Visc.	9.7 / 32.0			
pH / Fluid Loss	9.4 / 11.2 ml	ml	ml	ml
Source of Sample	MUD PIT			
Rm @ Meas. Temp.	3.350 @ 78 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.710 @ 49 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	4.340 @ 70 °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	PRESS / PRESS			
Rm @ BHT	1.312 @ 210 °F	@ °F	@ °F	@ °F
TIME: Circulation Stopped	2100 11-26			
TIME: Logger on Bottom	0712			
Max. Rec. Temp.	210 °F	°F	°F	°F
Equip. / Location	8240 / 4404			
Recorded By	MACGLASHAN			
Witnessed By	ROBERTS			

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

Run No.	ONE			
Service Order No.	[illegible]			
Fluid Level	[illegible]			

EQUIPMENT DATA

Sonic Panel No.	[illegible]			
Sonic Cart. No.	[illegible]			
Sonic Sonde No.	[illegible]			
Mem. Panel No.				
G.R. Cart. No.	[illegible]			
G.R. Panel No.				
Caliper No.				
TTR No.				
Centralizers: No.				
Type				
Standoffs: No.				
Type	--			
Time Const.-Sec.	--			
Speed - F.P.M.	--			
	--			
	--			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selector: Δt_m	Δt_f	Cp	Ø Scale	Depth: From	Depth: To

CALIBRATION DATA

GR	BKG. CPS	--			
	Source CPS	--			
	Tc Sec	--			
		--			
		--			

REMARKS
T1=T2= 210 DEGF

Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

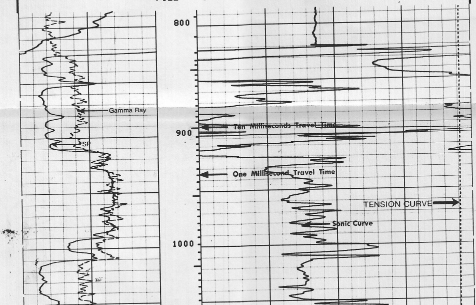
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 our General Terms and Conditions as set out in our current Price Schedule.

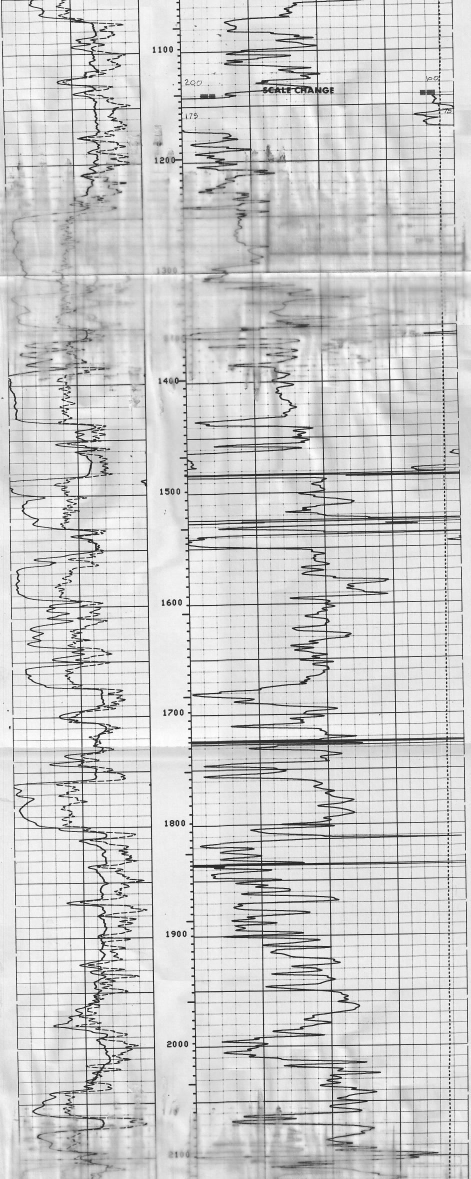
GR (GAPI)
30.000 130.00
SP (MV)
-50.00 50.000

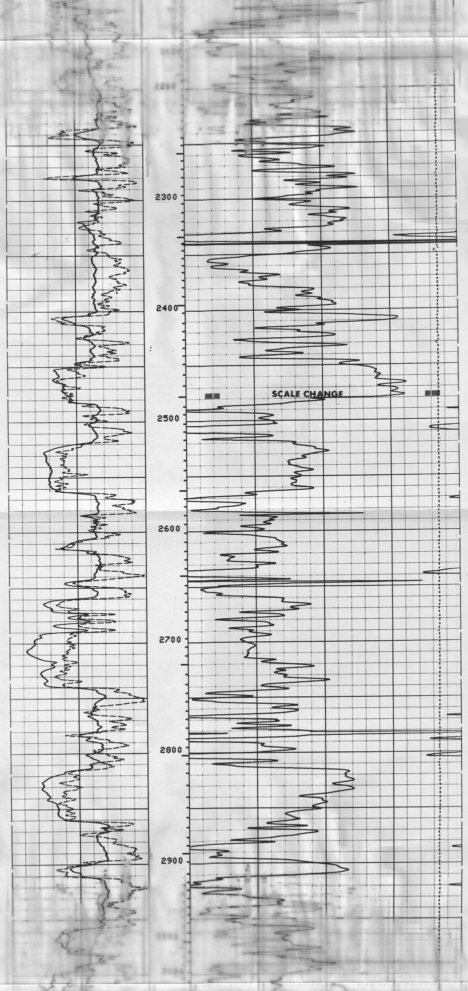
TÈNS(LB)
10000. 0.0
DT (US/F)
200.00 100.00

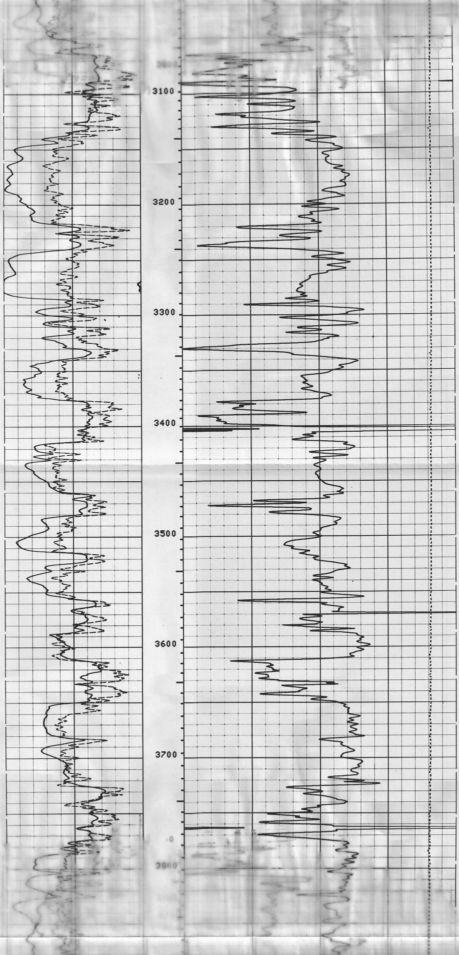
-50.00	SP	50.000	SCALE			
-70.00	4293	30.000	CHANGES			
-70.00	SP	30.000	SCALE	200.00	DT	100.00
-60.00	6162	40.000	CHANGES	175.00	1142	75.000
-60.00	SP	40.000	SCALE	175.00	DT	75.000
-80.00	6363	20.000	CHANGES	150.00	2479	50.000

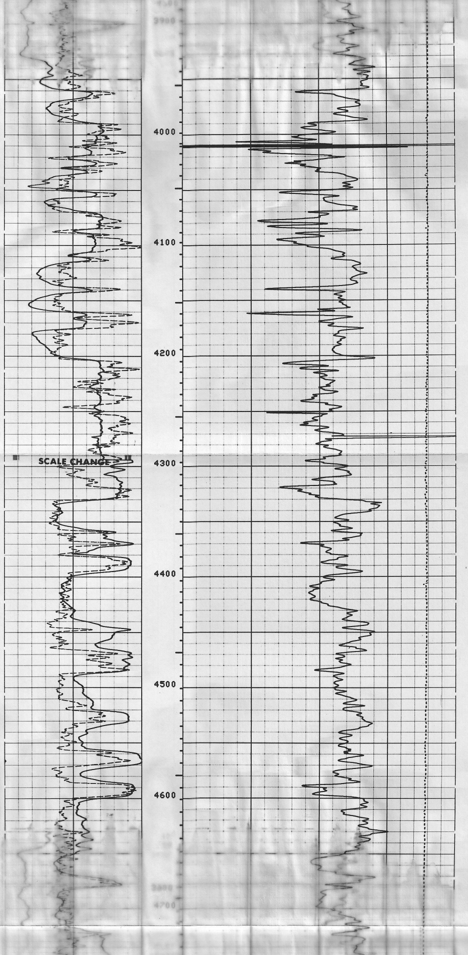
FILE 3 27-NOV-84 09:31

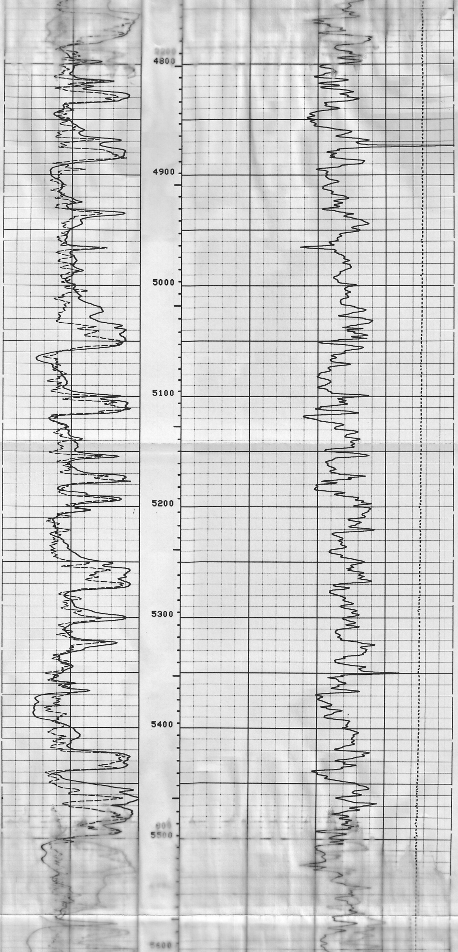


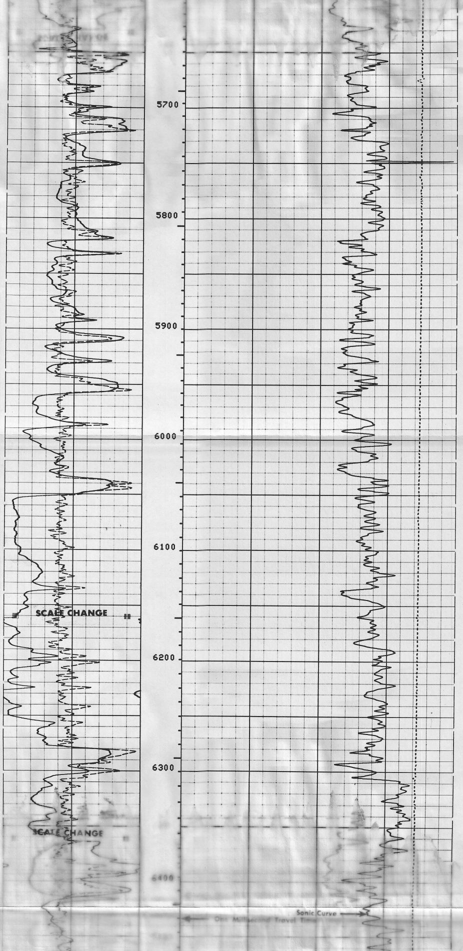


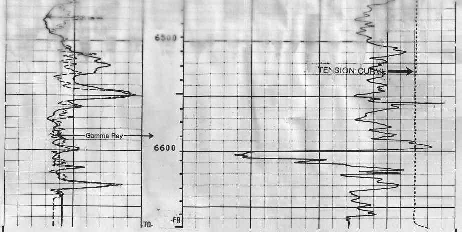












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GR (GAPI)
30.000 130.00
SP (MV)
-80.00 20.000

TENS(LB)
10000. 0.0
DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	8.2	FEET	AMPL	8.2	FEET
TT3	4.5	FEET	TT4	3.5	FEET
TT1	7.2	FEET	TT2	8.2	FEET
GR	28.4	FEET	SRAT	5.7	FEET
SFL	35.7	FEET	ILD	38.7	FEET
SP	31.5	FEET	ILM	35.0	FEET
TENS	3.5	FEET	SPAR	31.8	FEET
NOIS	0.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.50000	MMHO
BHS	OPEN		MSEC	4.50000	MMHO
BS	8.00000	IN			

COMPANY CHEVRON GEOTHERMAL
WELL HGU # 153
FIELD HEBER
COUNTY IMPERIAL STATE CALIFORNIA

SCHL. FR 6662
SCHL. TD 6686
DRLR TD 6710
Elev:
KB
DF
GL