[redacted]berger

TEMPERATURE LOG

COUNTY [redacted]
FIELD
LOCATION
WELL NO. 16
COMPANY

COMPANY	CHEVRON GEOTHERMAL
WELL	HGU NO. 16
FIELD	HEBER
COUNTY	IMPERIAL STATE CALIFORNIA
LOCATION	LAMBERT COORDINATES: N: 199906.56 E: 2225265.08

Other Services:
CNL/FDC
BHC
DIPMETER

Permanent Datum: G.L. (MAT) ; Elev.: -5
Log Measured From K.B. 24.1 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 19.1
D.F. 17.6
G.L. -5

Date	11-23-86	12-10-86	
Run No.	ONE	TWO	
Depth—Driller	5413	9363	
Depth—Logger	5413	9175	
Btm. Log Interval	5374	9175	
Top Log Interval	1655	5411	
Casing—Driller	18.625@1655	13.375@5415	@
Casing—Logger	1655	5411	
Casing Size 1	To	To	To
2	To	To	To
Casing Weight 1	105.0		
2		105.0	
Casing Thickness 1			
2			
Bit Size 1	17.5 To	To	To
2	To	12.25 To	To
Type Fluid in Hole	GEL/DRISPAC	GEL WATER	
Dens. | Visc.	9.40 | 44.0	9.50 | 35.0	
Time Since Circ.			
BHT	204	297	
Equip. | Location	8297 | L.B.	8297 | LONG BEACH	
Recorded By	MACGLASHAN	MACGLASHAN	
Witnessed By	SIMMONS	SIMMONS	

FOLD HERE

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

REMARKS:
SERVICE ORDER: RUN ONE: 488824
RUN TWO: 488828

CEMENTATION DATA

Date	Depth	Type of Cement	Nb of Sacks	Additives	Calculated Top

REMARKS: Run 1

ECCENTRALIZING BOWSPRING USED
400 PPM CHLORIDES
T1=T2=204 DEGF

EQUIPMENT NUMBERS-

DRS-5702	NSC-871	PGD-3851	PDH-3836
CNC-HA-358	SGC-SA-630	TCC-B-59	AMM-770
SP-AA-474	TCM-1032		

REMARKS: Run 2

T1=T2=T3=297 DEGF
UNABLE TO REACH TOTAL DEPTH WITH TEMPERATURE LOGGING TOOL

EQUIPMENT NUMBERS-

AMM-770
SGC-SA-630 CCCB-1972

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.

EVENT MARK SUMMARY:

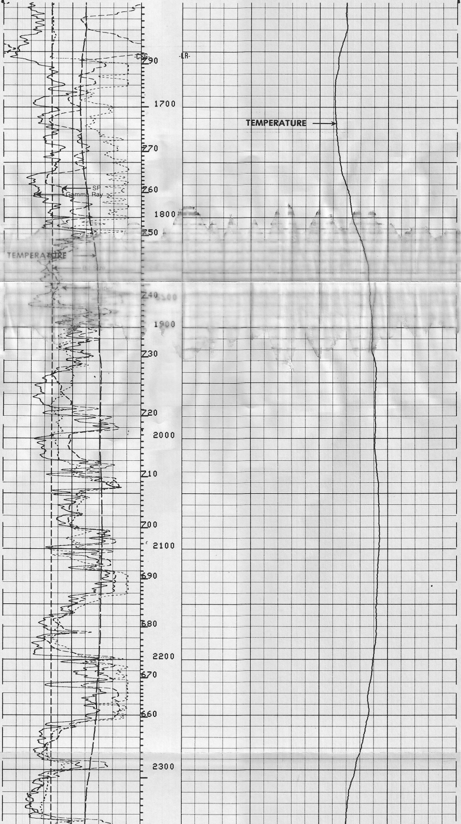
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE

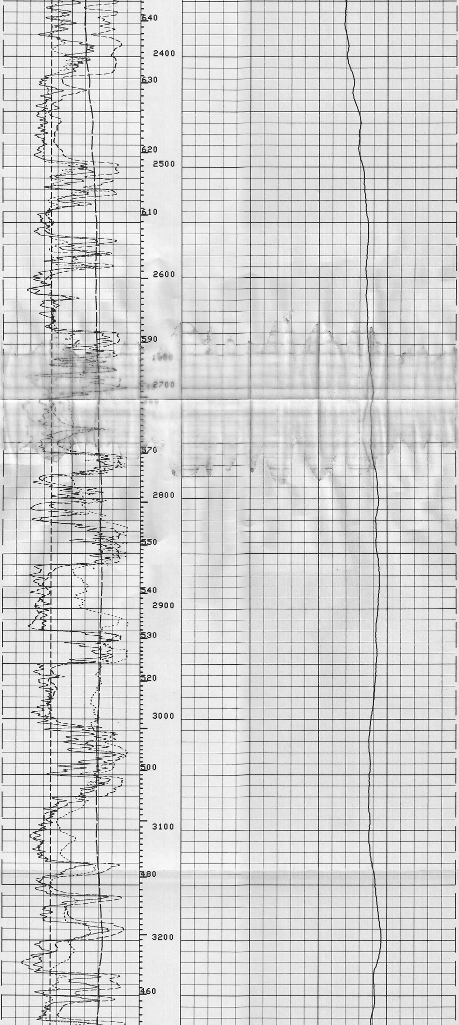
MTEM(DEGF)
130.00 230.00
BS (IN)
14.000 24.000
CALI(IN)
14.000 24.000
GR (GAPI)
20.000 120.00
SP (MV)
-110.0 -10.00

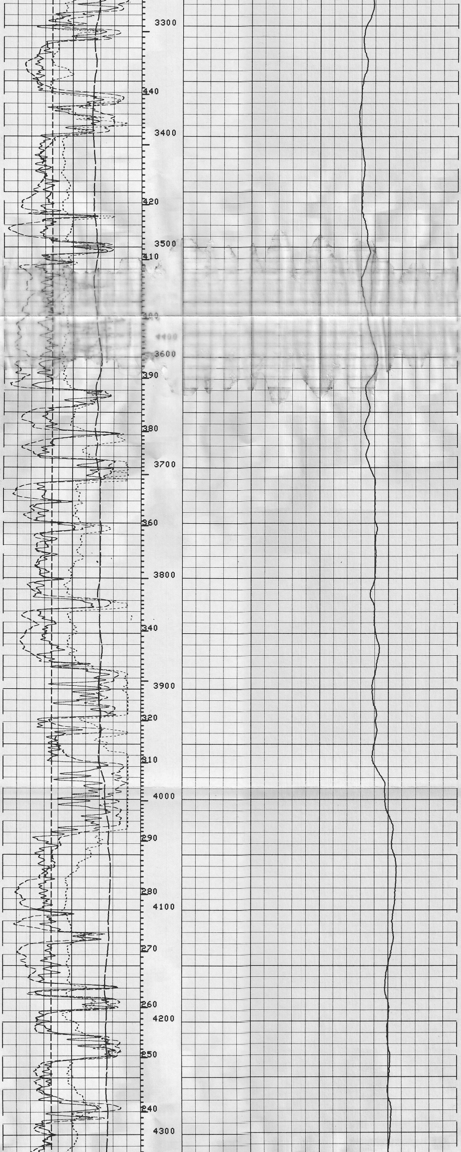
Run 1

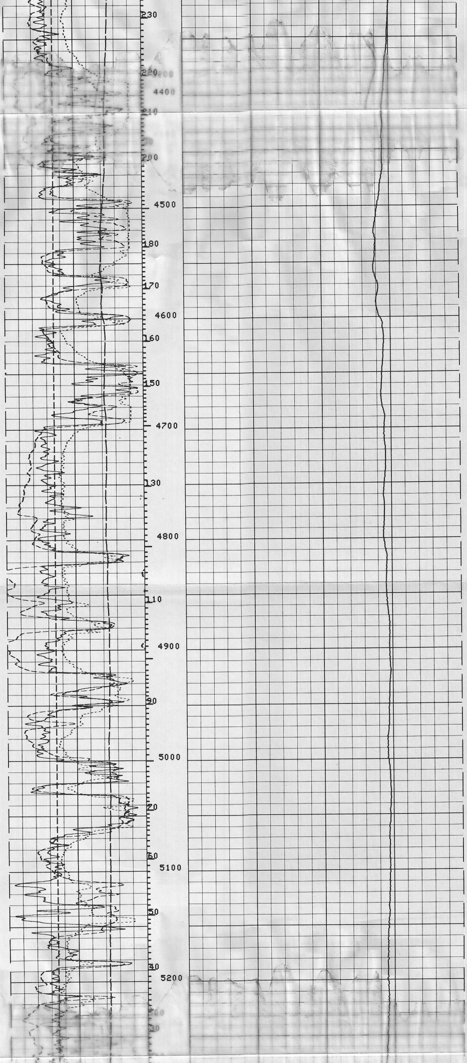
MTEM(DEGF)
130.00 230.00

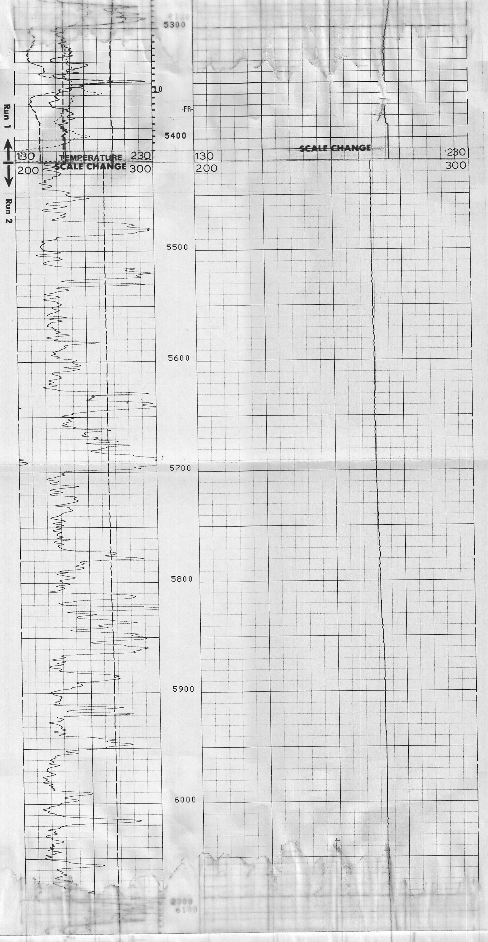
CP 28.4A FILE 102 23-NOV-86 10:08
DATA ACQUIRED 23-NOV-86 09:27

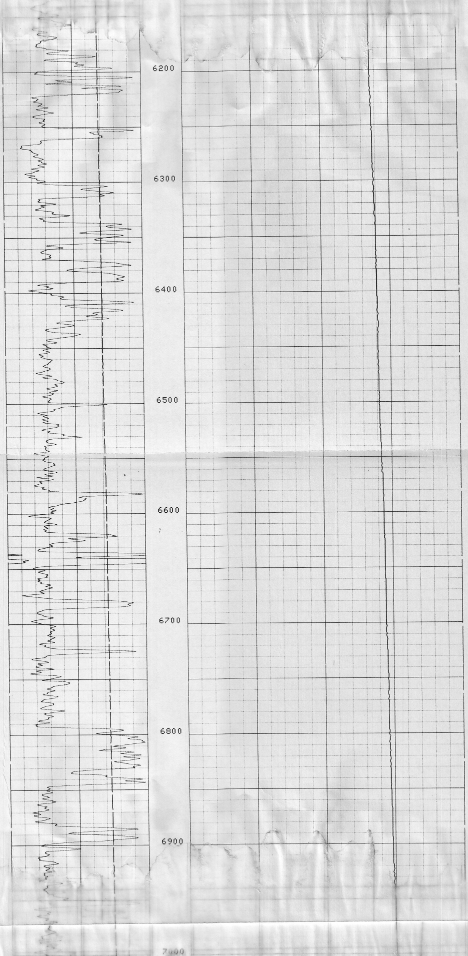


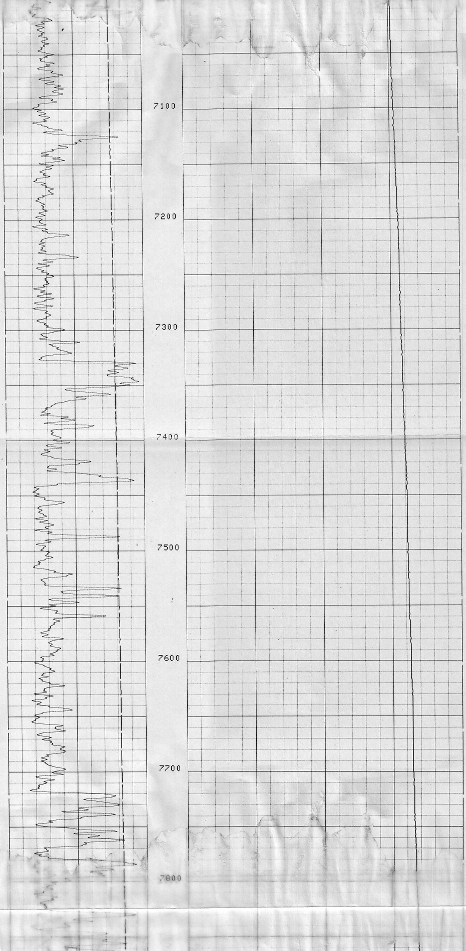


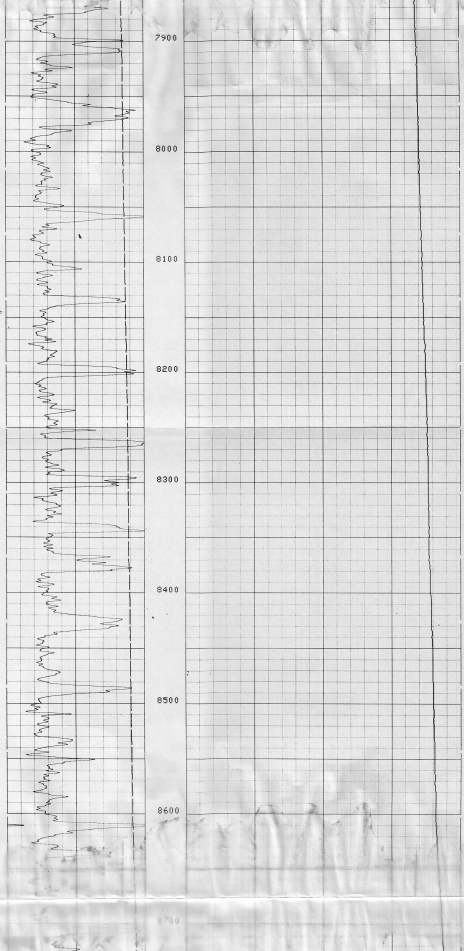


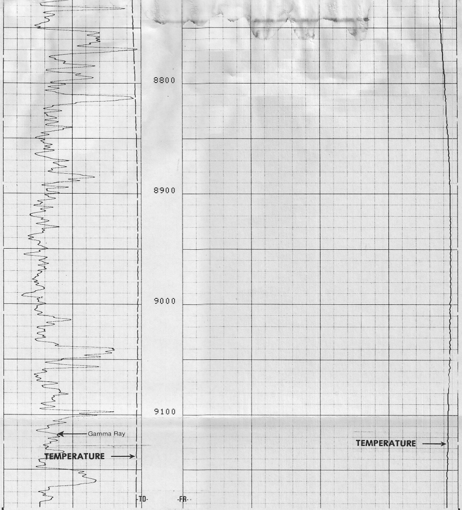












CP 28.4A FILE 2 10-DEC-86 19:19

MTEM(DEGF)		Run 2	MTEM(DEGF)	
200.00	300.00			
GR (GAPI)				
20.000	120.00		200.00	300.00

SENSOR MEASURE POINT TO TOOL ZERO

MTEM	17.3	FEET	MRES	17.3	FEET
STSG	-.4	FEET	GR	4.6	FEET
TENS	-.4	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BHT	260.000	DEGF	TD	9363.00	F
FNUM	.810000		SHT	60.0000	DEGF
BS	12.2500	IN	BHS	OPEN	

COMPANY CHEVRON GEOTHERMAL
WELL HGU NO. 16
FIELD HEBER
COUNTY IMPERIAL
STATE CALIFORNIA

SCHL. F. R. 9175
SCHL. T. D. 9175
DRLR. T. D. 9363