GL01952-D063

Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

[redacted]

COMPANY CHEVRON USA INC.

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WELL BEOWAWE NO. 85-18

FIELD BEOWAWE GEYSERS

COUNTY LANDER **STATE** NEVADA

LOCATION 2960'SOUTH & 80'WEST FROM THE NORTHEAST ¼ OF:

API SERIAL NO.	SEC.	TWP	RANGE
	18	31N	48E

Other Services:
BHC HDT

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	3-8-80		4-4-80		5-10-80		5-27-80	
Run No.	ONE		TWO (JLI)		THREE		FOUR	
Depth—Driller	1008		~~3188~~ 3206		4543		5927	
Depth—Logger (Schl.)	996		1924		4542		5930	
Btm. Log Interval	990		1918		4536		5924	
Top Log Interval	61		1006		2936		4100	
Casing—Driller	20" @ 60		13⅜" @1006		9⅝" @ 2937		9⅝" @2937	
Casing—Logger	61		1006		2936		--	
Bit Size	17½"		12¼"		8¾"		8¾"	
Type Fluid in Hole	LIGNOSULFONATE/GEL				GEL		GEL	
Dens. | Visc.	9.2	48	88	75	8.9	43	8.8	40
pH | Fluid Loss	9.5	8.8 ml	9.0	12 ml	9.4	8 ml	9.8	7.8 ml
Source of Sample	FLOWLINE		CIRCULATION		CIRCULATION		CIRCULATION	
Rm @ Meas. Temp.	4.59 @ 92 °F		MUD MEAS. @ °F		4.5 @ 52 °F		2.23 @96 °F	
Rmf @ Meas. Temp.	1.18 @ 56 °F		NOT CURR- @ °F		4.68 @ 48 °F		3.69 @60 °F	
Rmc @ Meas. Temp.	5.75 @ 50 °F		ENTLY AVAIL- @ °F		3.16 @ 58 °F		2.68 @67 °F	
Source: Rmf | Rmc	M	M	ABLE		M	M	M	M
Rm @ BHT	3.58 @ 120 °F		@212 °F		1.07 @ 240 °F		0.86 @ 258 °F	
TIME Circulation Stopped	1600		1400		1830 5/9		0900	
TIME Logger on Bottom	2300		2058		0645 5/10		2030	
Max. Rec. Temp.	120 °F		212 °F		240 °F		258 °F	
Equip. | Location	8128	SAC	8128	SAC	7763	SAC	8128	SAC
Recorded By	LINDGREN		LANGFORD/KAISER/ANDERSEN/LANGFORD					
Witnessed By	IOVENETTI		HILL		IOVENETTI		IOVENETTI	

FOLD HERE

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

Run No.	ONE	TWO	THREE	FOUR
Service Order No.	123942	123833	123994	123980
Fluid Level	FULL	FULL	FULL	FULL
Salinity ppm. cl	60	67	60	60
Speed F.P.M.	--	--	--	--
EQUIPMENT DATA				
Panel No.	BB-384	304	447	304
Cartridge No.	DA-217	217	217	217
Sonde No.	EA-195	195	195	195
Mem. Panel No.	--	CSU	--	CSU
G.R. Panel No.	--	--	--	--
G.R. Cart No.	--	--	--	--
Tape Recorder - (TTR)	--	--	--	--
Depth Encoder - (DRE)	--	--	--	--
Pressure Wheel - (CPM)	--	--	--	--
Type Centralizers	FIN	FIN	FIN	FIN
Stand Off - Inches	4½	1½	1½	1½
CALIBRATION DATA				
SBR	1.0	1.0	1.0	1.0
Sonde Error - ILM	3.83	5.13	4.09	4.09
Sonde Error - ILD	5.64	4.53	5.25	5.25
G.R. BKG. - CPS.	--	--	--	30
G.R. Source - CPS.	--	--	--	195
S.E. Set In Hole - Depth	--	--	--	--
S.E. Corr. - Hole Size	--	--	--	--
LOGGING DATA				
SBR	1.0	1.0	1.0	1.0
Sonde Error Log - ILM	3.83	5.13	4.09	4.09
Sonde Error Log - ILD	5.64	4.53	5.25	5.25
G.R. Scale per 100 Div.	--	--	--	--
G.R. - T.C. Log	--	--	--	--
	°F	°F	°F	°F
	°F	°F	°F	°F
	°F	°F	°F	°F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS

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.

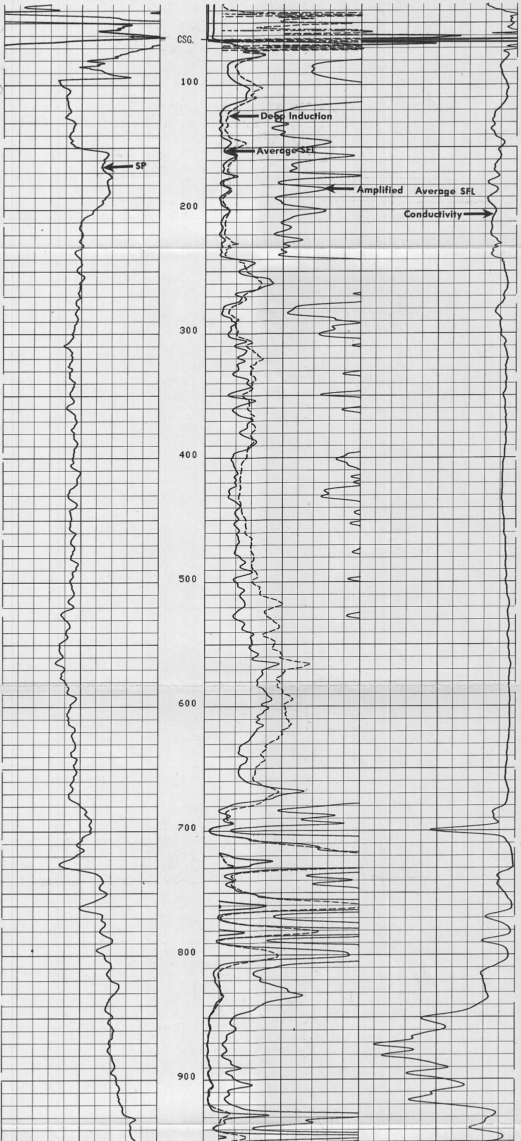
SPONTANEOUS POTENTIAL
— |5| + MILLIVOLTS

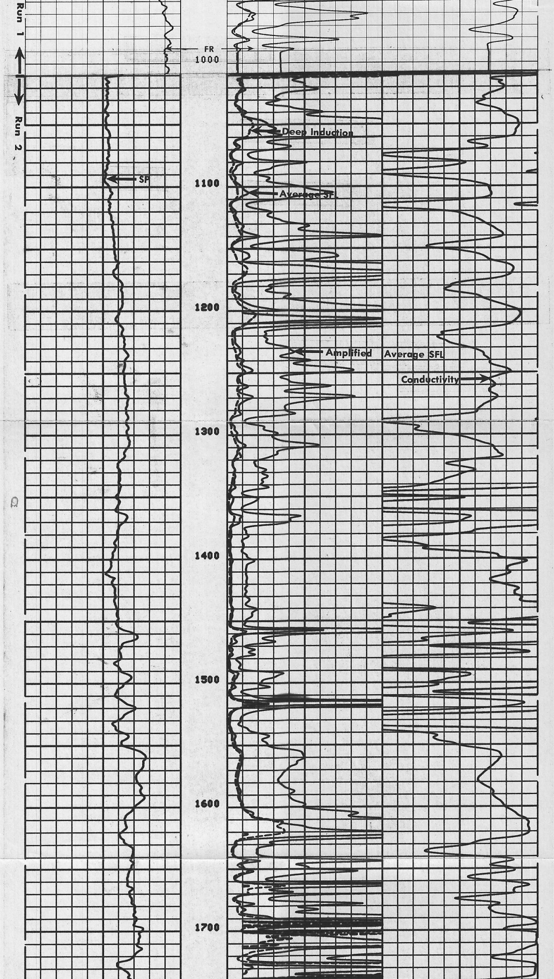
DEPTH

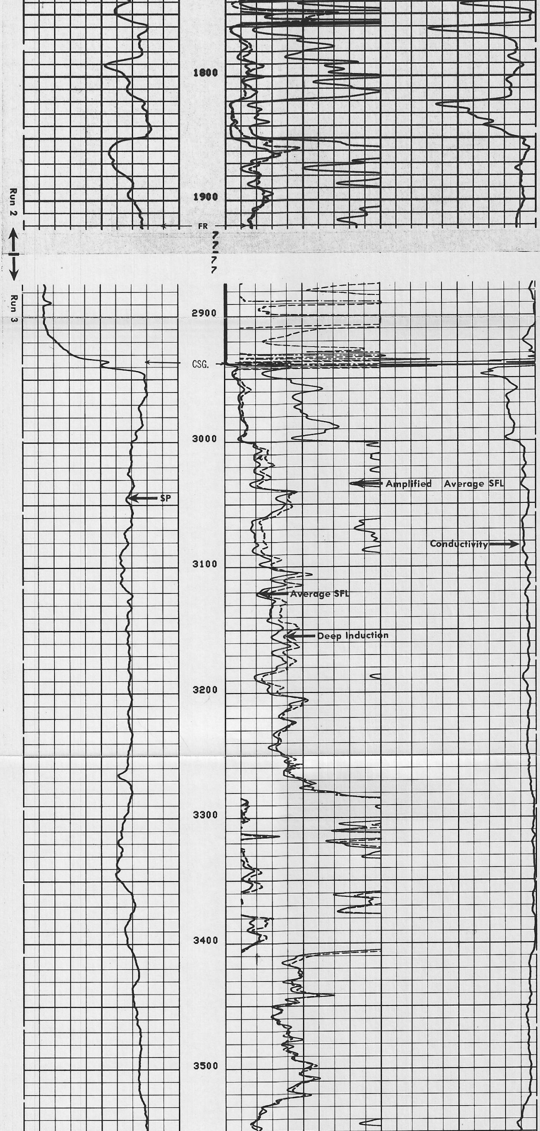
RESISTIVITY OHMS. M²/M
DEEP INDUCTION
R_{ILD}
0 100
0 1000
SPHERICALLY FOCUSED LOG
R_{SFL}
0 100
0 1000
AMP. SPHERICALLY FOCUSED LOG
0 20

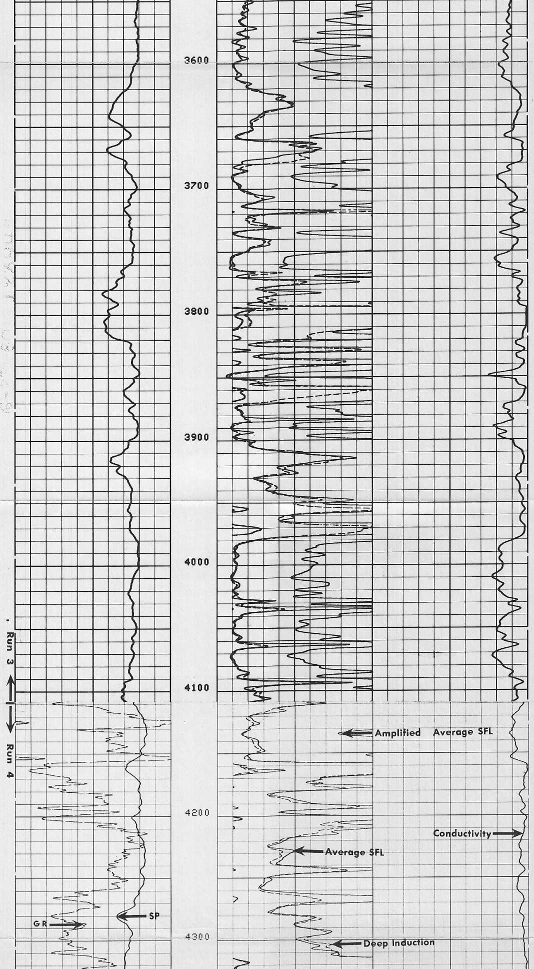
CONDUCTIVITY MILLIMHOS/M
DEEP INDUCTION
500 0

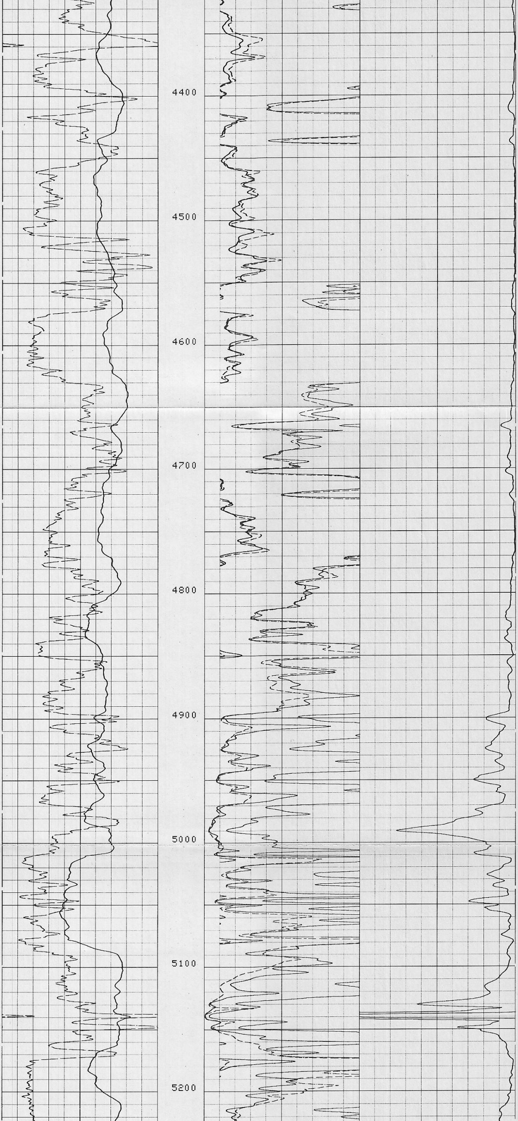
4
4
4

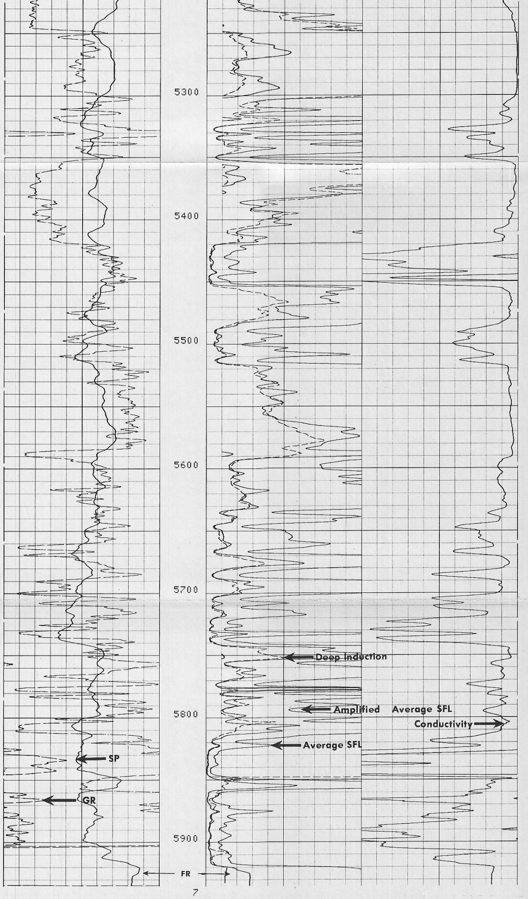












GAMMA RAY
0 150

SPONTANEOUS-POTENTIAL
– 5 + MILLIVOLTS

DEPTH

RESISTIVITY OHMS. M^2/M
DEEP INDUCTION
R_{ILD}
0 100
0 1000
SPHERICALLY FOCUSED LOG
R_{SFL}
0 100
0 1000
AMP. SPHERICALLY FOCUSED LOG
0 20

CONDUCTIVITY MILLIMHOS/M
DEEP INDUCTION
500 0

COMPANY CHEVRON USA INC.
WELL BEOWAWE NO. 85-18
FIELD BEOWAWE GEYSERS
COUNTY LANDER STATE NEVADA

SCHL. FR 5924
SCHL. TD 5930
DRLR. TD 5927

Elev: KB 4935
DF --
GL 4920