Schlumberger

CEMENT BOND LOG

GAMMA RAY

COUNTY LOS ANGELES
Field or LOCATION WILMINGTON
WELL AMERICAN CAN
COMPANY ARGO PETROLEUM CO.

COMPANY E & B Natural Resources Management Corp.

" "WNF-I" 21 4T" 1
WELL ~~AMERICAN CAN NO. 2~~ (037-21445
FIELD WILMINGTON
COUNTY LOS ANGELES STATE CALIFORNIA

LOCATION 205' NORTH AND 164' EAST OF CENTER LINE INTERSECTION OF A.T. AND S.F. RR AND MAIN STREET
Sec. Twp. Rge.

Other Services: FDC-GR, DIL

Permanent Datum: GL, Elev. 39
Log Measured From KB, 9 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 48
D.F.
G.L. 39

Date	5-9-74	Type Drill Fluid	LEASE-WATER
Run No.	ONE	Fluid Level	SURFACE
Depth — Driller	4823	Max. Rec. Temp.	152 °F
Depth — Logger	4813	Est. Cement Top	----
Btm. Log Interval	4803	Equip. | Location	5614 | VENTURA
Top Log Interval	3803	Recorded By	HALL
Open Hole Size	9 7/8"	Witnessed By	GRAHAM

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prot. String						
Prod. String	7"	23	K-55	LT & C	SURFACE	4910
Liner						

PRIMARY CEMENTING DATA

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

SWS-729-G

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	1000 5-9-74	
Finish Cement Bond Log	1200 5-9-74	

Preceding fluid Volume bbls.
Cement pumped bbls./minute

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

Equipment Data

Type centralizers	FIN
Logging speed	30 FPM
Sonde Type	SLS-D-519
Cartridge Type	SLC-D
Cartridge No.	SLC-D-212

SQUEEZE JOB DETAIL

Squeeze number	1	2	3	4
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				

Centralizer Depths	Scratcher Depths

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

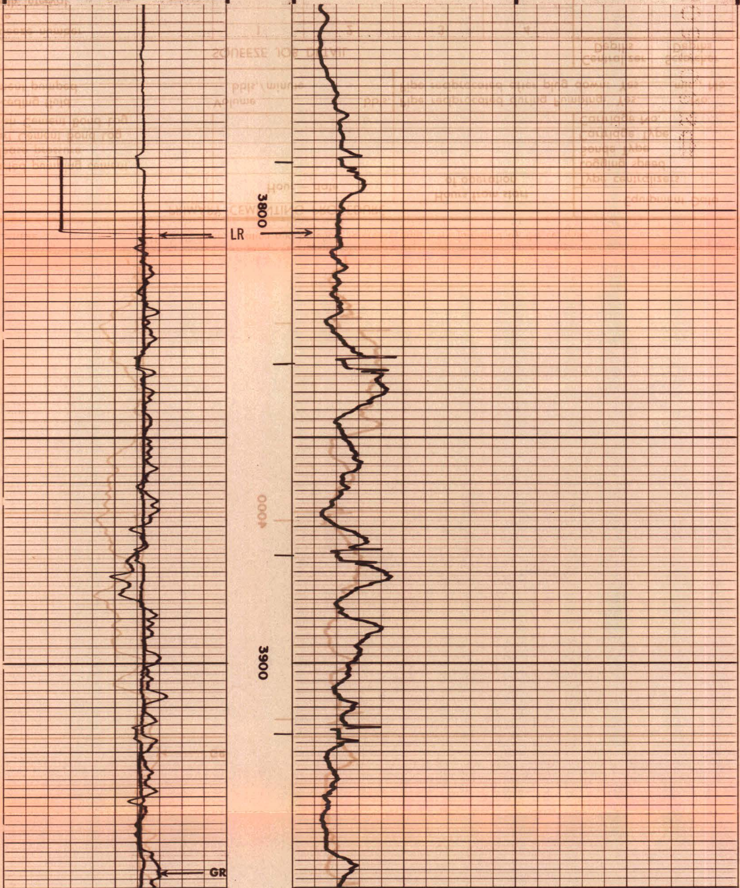
REMARKS

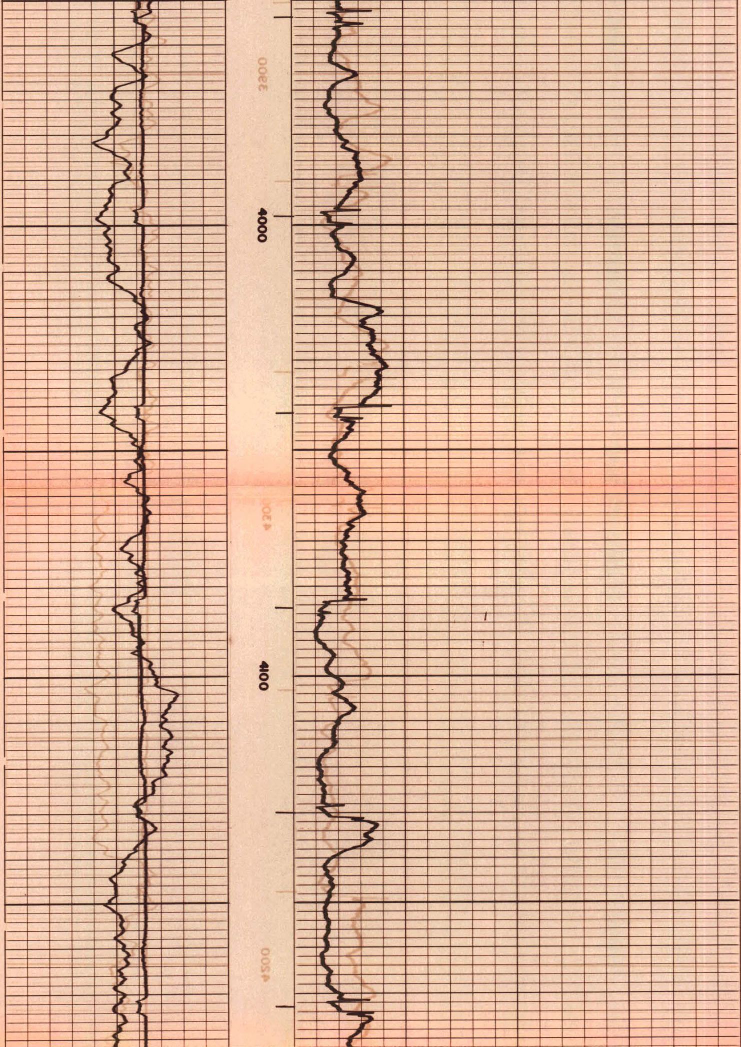
SINGLE RECEIVER ΔT
MICROSECONDS
400 200

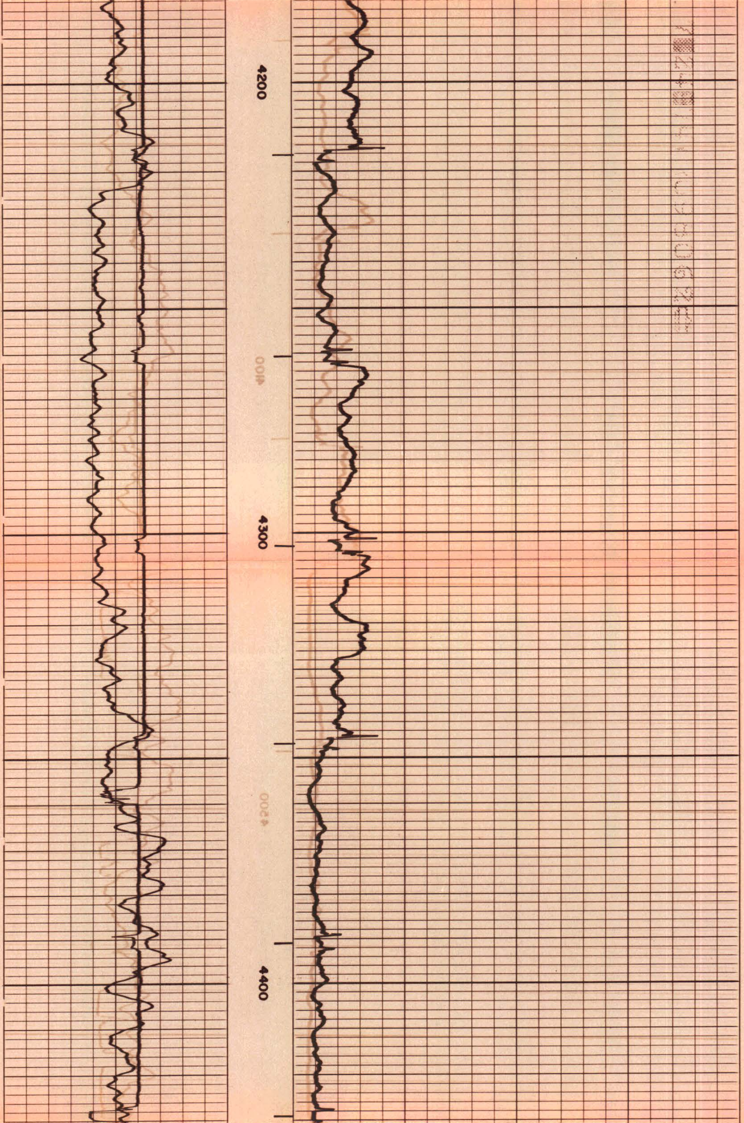
GAMMA RAY
API UNITS
0 70

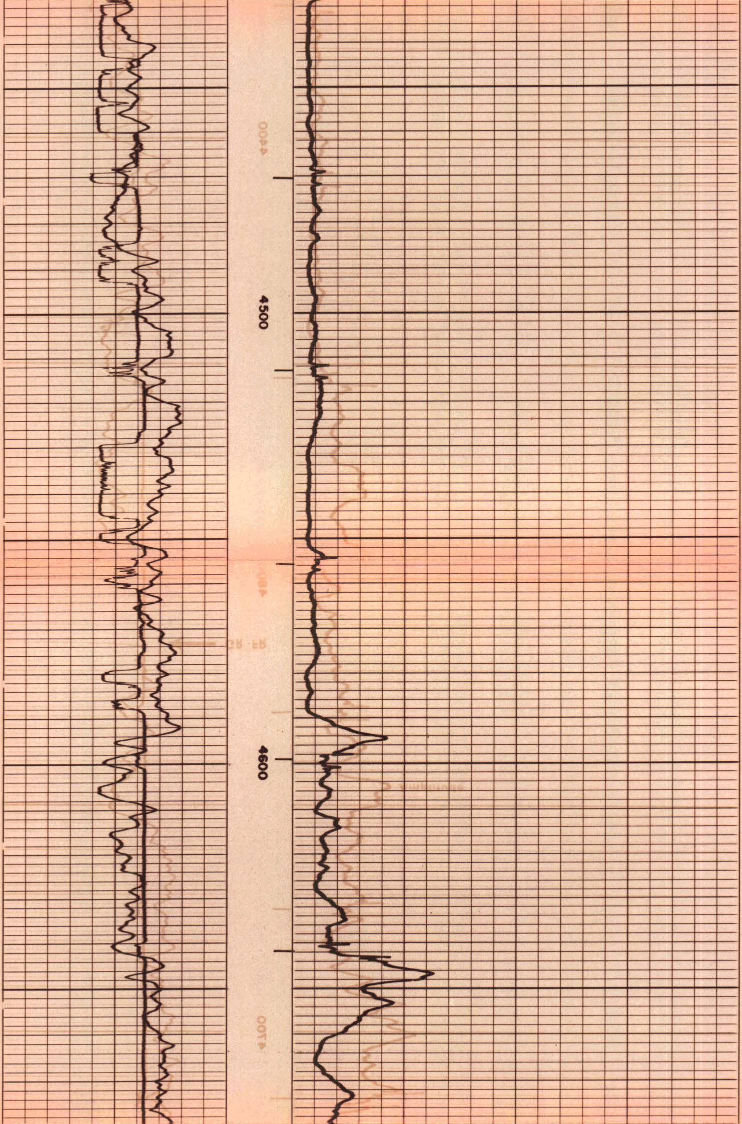
DEPTHS

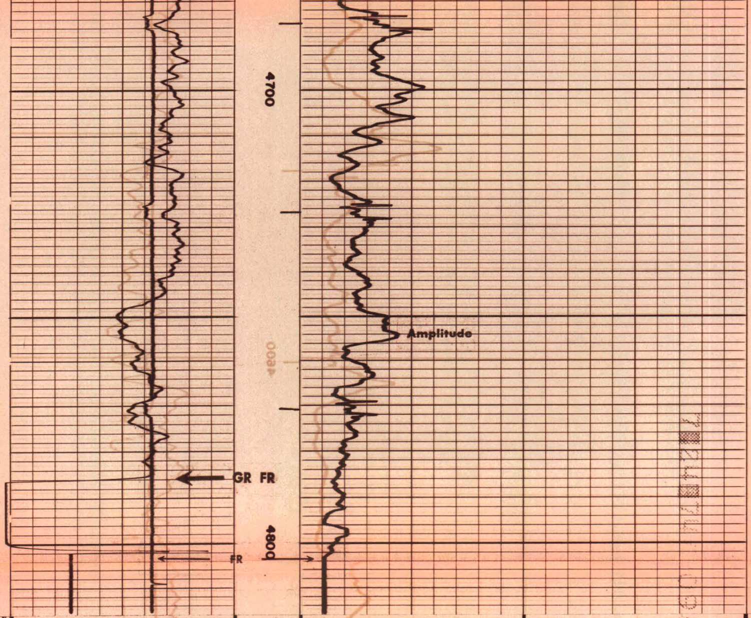
BOND LOG
MILLIVOLTS
BONDING INCREASES ←
0 50 100











-730-D

0 70				
GAMMA RAY API UNITS		BONDING INCREASES ←		
400 200		0	50	100
SINGLE RECEIVER AT MICROSECONDS	DEPTHS	**BOND LOG** MILLIVOLTS		

COMPANY ARGO PETROLEUM COMPANY

WELL AMERICAN CAN

FIELD WILMINGTON

COUNTY LOS ANGELES STATE CALIFORNIA

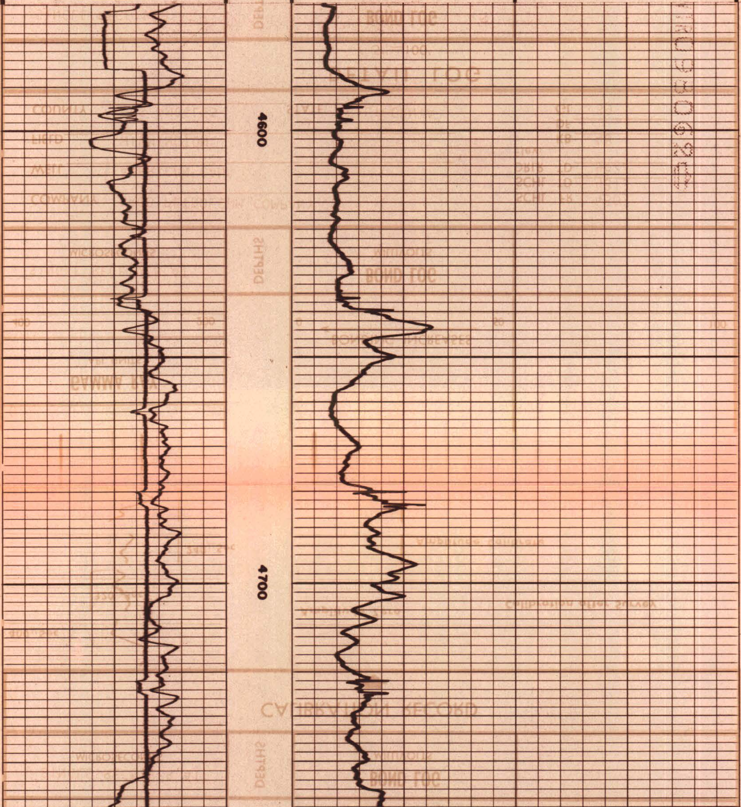
SCHL FR 4803
SCHL TD 4813
DRLR TD 4823
Elev:
KB 48
DF
GL 39

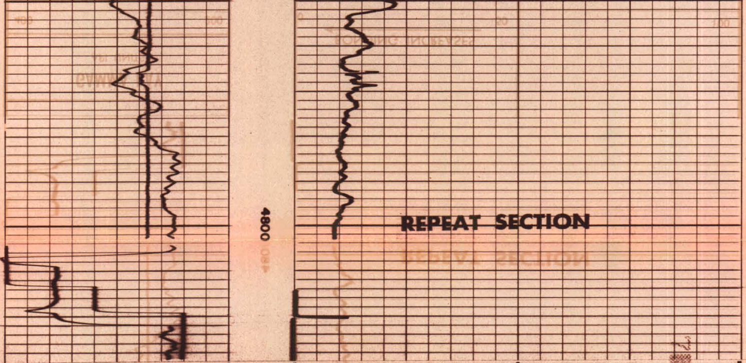
DETAIL LOG

5″=100′

SINGLE RECEIVER AT MICROSECONDS	DEPTHS	**BOND LOG** MILLIVOLTS	
400 — 200		← BONDING INCREASES 0 — 50	100
GAMMA RAY API UNITS			
0 — 70			

7 24 74 R098062





0 70

GAMMA RAY

API UNITS

400 200

0 BONDING INCREASES 50 100

SINGLE RECEIVER AT

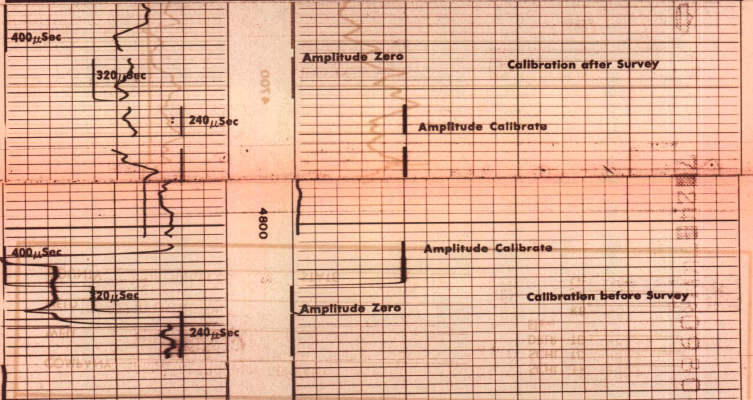
MICROSECONDS

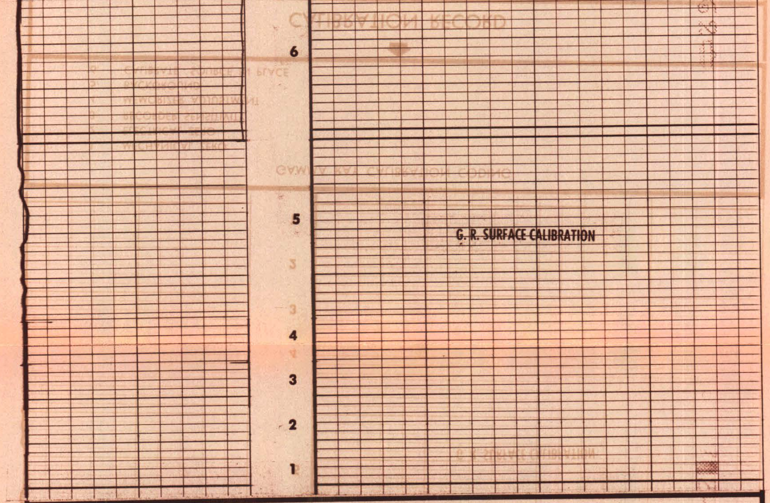
DEPTHS

BOND LOG

MILLIVOLTS

CALIBRATION RECORD





GAMMA RAY CALIBRATION CODING

1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. RECORDER SENSITIVITY
4. MEMORIZER ADJUSTMENT
5. BACKGROUND
6. CALIBRATE - SOURCE IN PLACE

CALIBRATION RECORD

COMPANY ARGO PETROLEUM COMPANY
WELL AMERICAN CAN
FIELD WILMINGTON
COUNTY LOS ANGELES STATE CALIFORNIA

SCHL FR 4803
SCHL TD 4813
DRLR TD 4823
Elev:
KB 48
DF
GL 39

RECEIVED
SEP 25 11 31 AM '74
DIV. OF OIL AND GAS
LONG BEACH, CA.