Schlumberger

CEMENT BOND LOG

COUNTY LEWIS
Field or LOCATION JACKSON PRAIRIE 17-12N-1W
WELL STORAGE UNIT #901
COMPANY JACKSON PRAIRIE

COMPANY JACKSON PRAIRIE GAS STORAGE COMPANY

WELL STORAGE UNIT #901

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

LOCATION 274'S & 834'E FROM THE N/4 CORNER OF:

Sec. 17 Twp. 12N Rge. 1W

Other Services:
HDT
SNP FDC
IES

Permanent Datum: GL, Elev. 525
Log Measured From KB, 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 537
D.F. -
G.L. 525

Date	4/27/72	Type Drill Fluid	FRESH
Run No.	ONE	Fluid Level	300
Depth — Driller	2830	Max. Rec. Temp.	100 °F
Depth — Logger	2833	Est. Cement Top	SURFACE
Btm. Log Interval	2825	Equip. / Location	5106 / 4401
Top Log Interval	600	Recorded By	ANDERSEN
Open Hole Size	12-1/4-2088;9-7/8-TD	Witnessed By	WURDEN

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String	13-3/8	54		ST & C	0	618
Prot. String	7	23		ST & C	0	2840
Prod. String						
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	PRODUCTION		Liner
Vol. of cement		1150		
Type of cement		CLASS A		
Additive		4% 6 CL 3% CA		
		1/2 CUFT PERLITE 25# GILSOUITE		
Retarder		2.17#SALT PER SACK (660SKS)		
Wt. of slurry		10.8		
Water loss				
Type fluid in csg.		FRESH		
Fluid wt.		10.6		

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

Equipment Data

Type centralizers	RUBBER
Logging speed	4000
Sonde Type	-
Cartridge Type	SLC
Cartridge No.	A-166

PRIMARY CEMENTING PROCEDURE

	Hours from start of operation	Hour — date
Started pumping cement	0	0500 4/26/72
Release pressure	1	0600 4/26/72
Start Cement Bond Log	34	1600 4/27/72
Finish Cement Bond Log		

Preceding fluid WATER Volume 50 CU.FT. bbls.
Cement pumped bbls./minute

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

SQUEEZE JOB DETAIL

Squeeze number	1	2	3	4
Date				
Depth interval				
Type cement				
Volume of cement				
Additive				
Retarder				
Weight of slurry				
Preceding fluid				

Centralizer Depths

Scratcher Depths

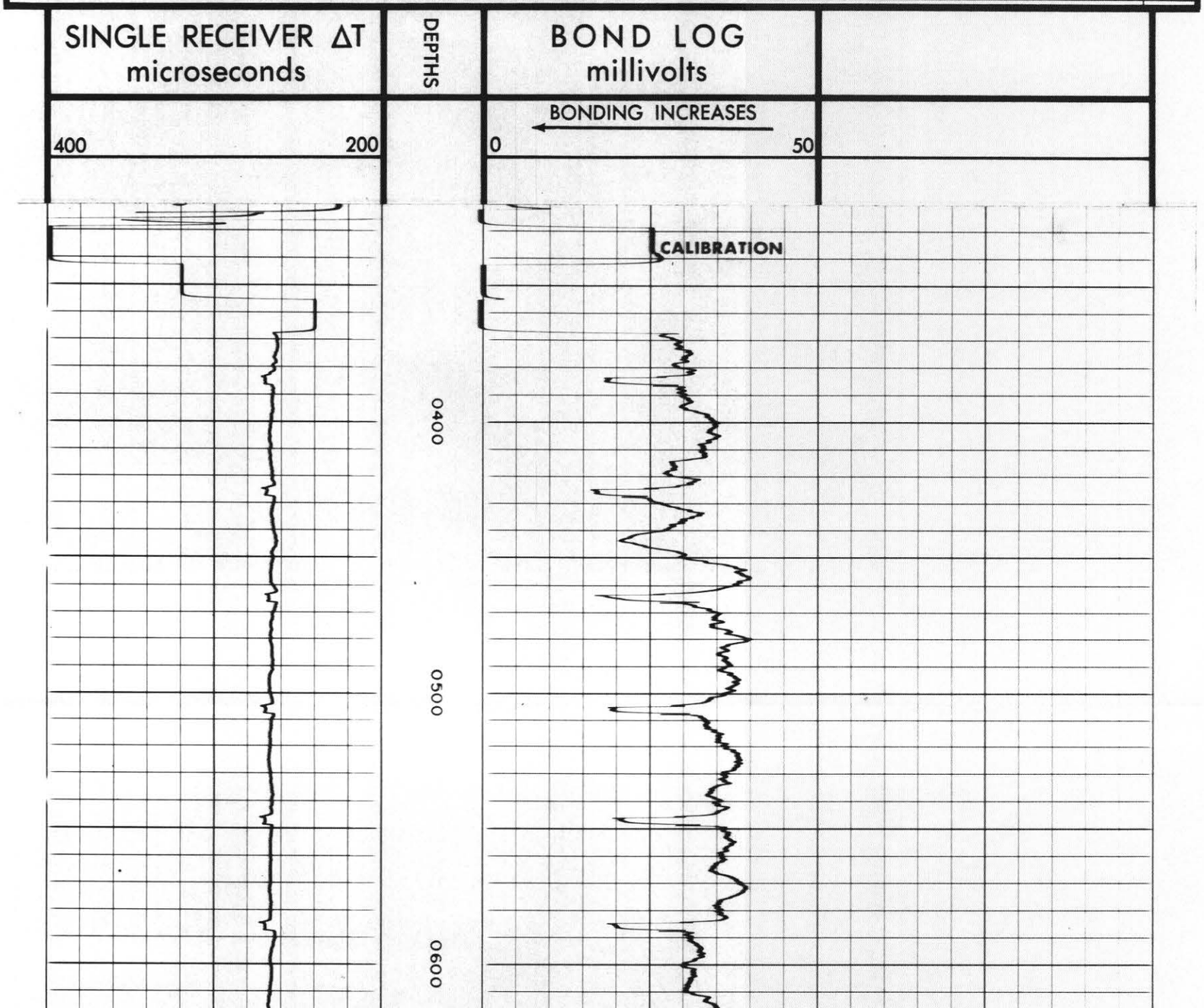
5-19

Preceding field				
Breakdown pressure				
Max. pressure-stage 1				
" " " 2				
" " " 3				
Final maximum pressure				
Started pumping cement				
Released pressure				
Start CBL				
Finish CBL				

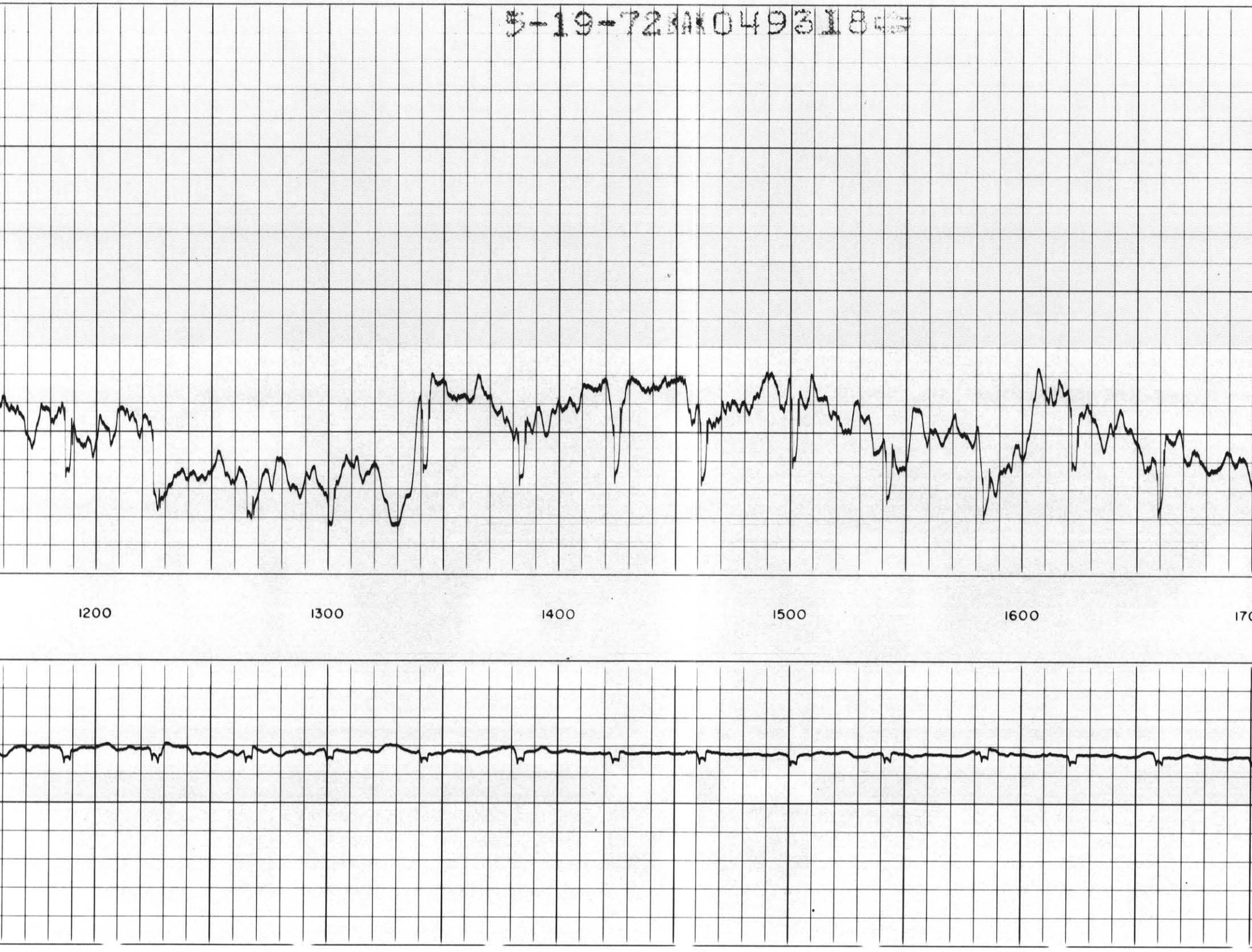
AVERAGE WELL DRIFT:
° from to ; ° from to ; ° from to

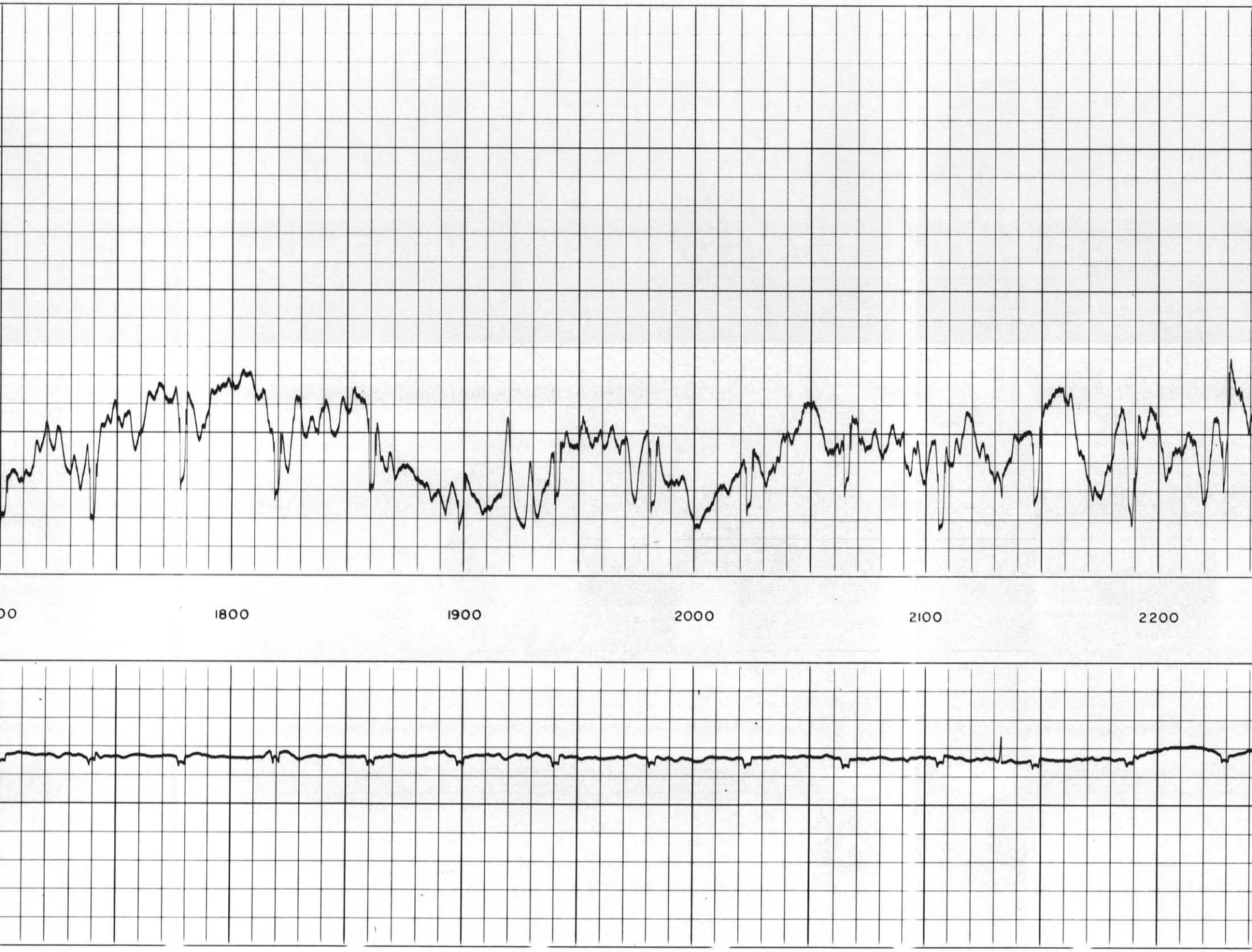
REMARKS

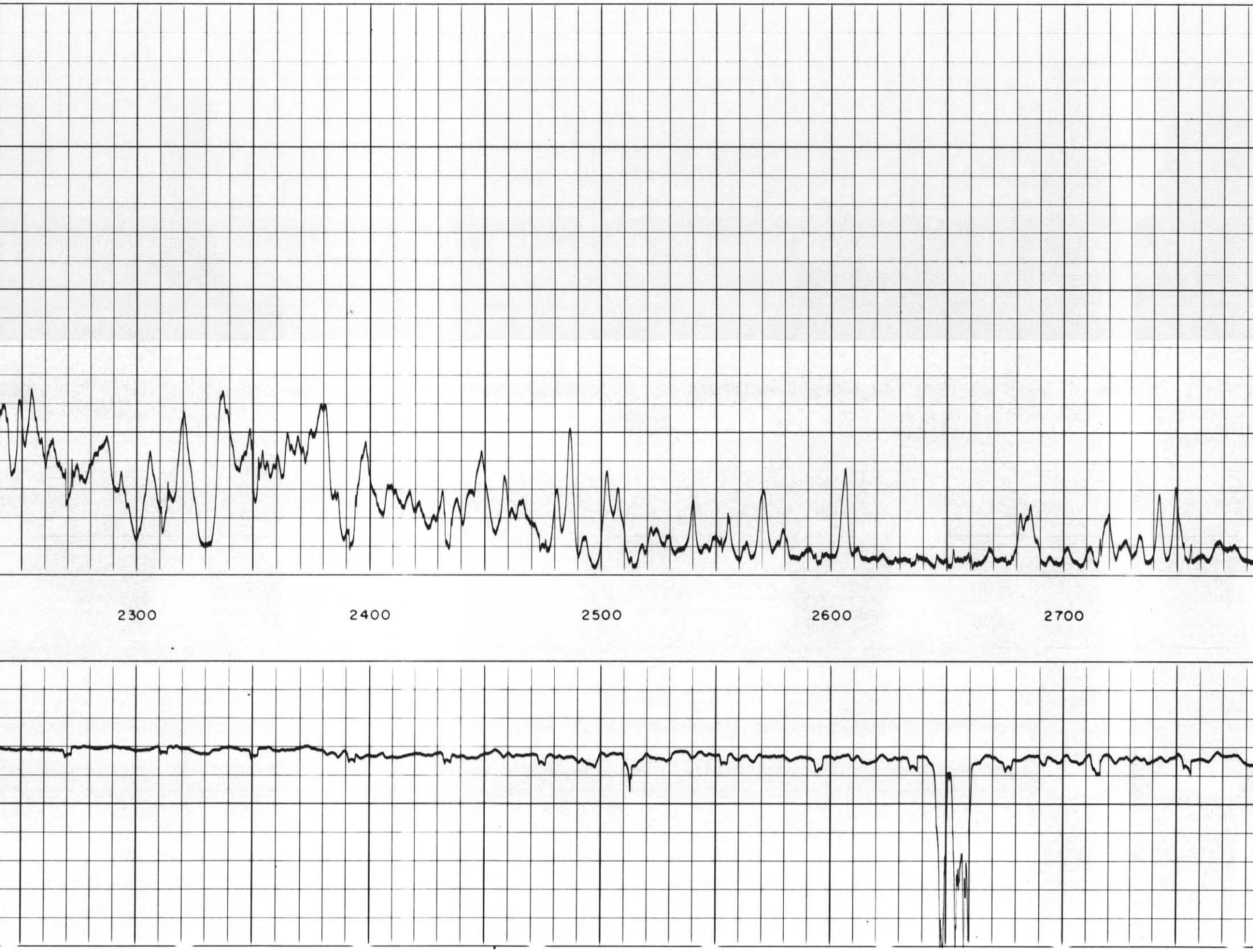
-72BAK04931B

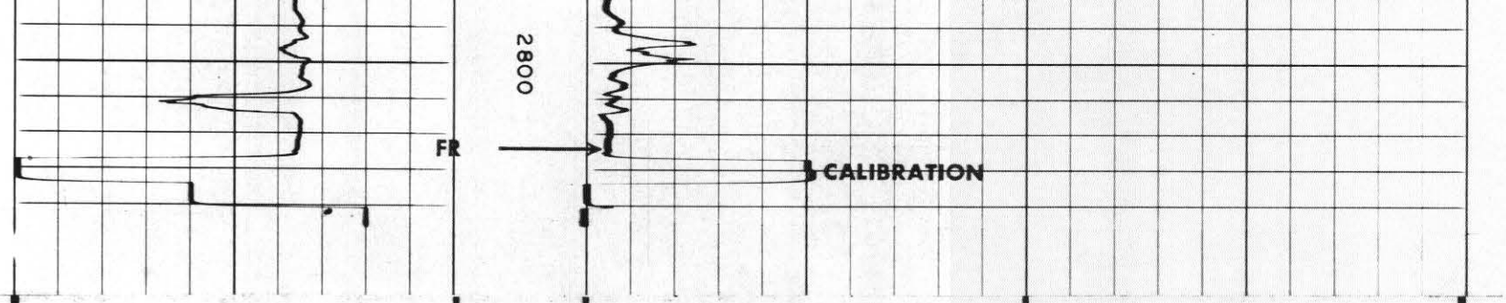


0700
0800
0900
1000
1100


5-19-72 MAK 049318
1200
1300
1400
1500
1600
170


00
1800
1900
2000
2100
2200


2300
2400
2500
2600
2700



400 200

BONDING INCREASES

0 50

TRANSIT TIME microseconds	DEPTHS	BOND LOG millivolts

COMPANY JACKSON PRAIRIE GAS STORAGE COMPANY

WELL STORAGE UNIT #901

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

SCHL FR 2825
SCHL TD 2833
DRLR TD 2830
Elev:
KB 537
DF -
GL 525