

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.	SF - 07604A 078604A
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA, Agreement Designation	
8. Well Name and No.	EALUM GAS COM /C/ 1R
9. API Well No.	3004526805
10. Field and Pool, or Exploratory Area	Cedar Hill Basal Fruitland Coal Gas
11. County or Parish, State	SAN JUAN NEW MEXICO

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator AMOCO PRODUCTION COMPANY	Attention: Nancy I. Whitaker
3. Address and Telephone No. P.O. BOX 800 DENVER, COLORADO 80201 303-830-5039	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1640 FNL 1575 FEL Sec. 33 T 32N R 10W UNIT G	

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other REPAIR / ADD PAY ZONE <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

AMOCO PRODUCTION COMPANY REQUESTS PERMISSION TO CLEAN OUT, AND PERFORATE AND FRAC THE COTTONWOOD IN THE ABOVE WELL PER THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION PLEASE CONTACT KHANH VU 303-830-4920

RECEIVED
 MAY 16 AM 9:07
 MAY 27 1997
 MAY 27 1997
 MAY 27 1997

14. I hereby certify that the foregoing is true and correct

Signed Nancy I. Whitaker Title Staff Assistant Date 05-15-1997

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer Title _____ Date MAY 22 1997

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

Ealum Gas Com C 1R
Orig. Comp. 9/87
TD = 2910', PBD = 2954'

Page 2 of 2

Version 1

Current wellbore info: 5 1/2" CSG @ 2954', 2 3/8" TBG @ 2782'
 Current flow info: 1859 MCFD, TP= 108 psi, CP= 159 psi, LP= 102 psi
 General observations:

1. Well is experiencing loading problems
2. Well has not been worked on since 2/91
3. Last tag indicated fill @ 2881' & fluid @ 2288' (3/12/97)

- Short term plans: 1. Replace WH, C/O
 Long term plans: 1. Place on artificial lift (if needed)

1. Install/Check anchors. Inspect location for pit, access, etc.
2. MIRU Service Rig #374
3. NUBOE, kill well w/ produced coal water, if necessary.
4. Set plug in seating nipple (assume standard, did not report in tally) in 2 7/8" TBG @ 2782'. TOH and lay down 2 7/8" tubing. If tbg looks corroded, send in for inspection
5. TIH w/ 4 3/4" bit, bit sub and workstring. Cleanout hole to PBD @ 2910'
6. Set RBP @ 2650'. Pressure test csg to max frac pressure (3000 psi). If there is any leak, locate it and sqz cement. Contact Denver eng if any leaks occur.
7. RU lubricator
8. Run GR/CCL to correlate perf (perfs picked from Welex's GR/CD/DSN log dated 9/19/87)
9. TIH w/ perf guns & perf the following schedule:

<u>COAL ZONES</u>	<u>PERFORATIONS</u>	
Cottonwood	2,473 to 2,479	4 spf 24 holes
	2,494 to 2,494	4 spf 16 "
	2,504 to 2,512	4 spf 32 "
	2,536 to 2,541	4 spf 20 "
	2,545 to 2,555	4 spf 40 "
	2,558 to 2,567	4 spf 36 "
		168 holes

11. TOH w/ guns. RD lubricator
12. Install frac valve
13. MI frac equipment
14. Frac according to Schedule A (Ealum Gas Com C 1R)
15. MO frac equipment
16. Flow back (Try to minimize sand flowback, by slowly changing flow condition)
17. CO to RBP @ 2650'
18. TOH w/ RBP
19. CO to PBD @ 2910'
20. RIH w/ 2 7/8" TBG as follows (if hole is stable):
 - 1) 10' 2 7/8" tbg sub
 - 2) 10' 2 7/8" tbg sub w/ 5/8" hole in middle
 - 3) 2 7/8" std. SN (2.280" ID) with retrievable pressure bomb and plug in place
 - 4) remainder 2 7/8" TBG (All TBG: 6.4# J55)
19. Land bottom of TBG at approximately 2800'.
20. ND BOE, NU standard CBM depletion plan WH assembly and RDMORT. Lock wellhead and notify production
21. Retrieve plug and bring well on line

Note: well may require swabbing to enable RTP.

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 5 days and to cost \$60,000 (see attached AFE form).

Khanh Vu

W - (303) 830-4920
Pager - (303) 687-3819

Ealum Gas Com C 1R

Orig. Comp. 9/87

TD = 2910', PBD = 2954'

Page 3 of 2

Version 1

H - (303) 980-6324

Fax - (303) 830-4777

Continuous Fax - (303) 830-4276

Amoco Production Company

Sheet No. _____ Of _____

ENGINEERING CHART

Appn _____

SUBJECT Ealum Gas Com C 1R

Spud 9/87

Date 3/10/97

By KQV

KB-12' GL-5994'

SICP (2/91) - 1175#

TOC - Surf (

Gas Analysis: (4/88) 94% CH₄ 5.2% C₂H₆

163' - csg

8 5/8"

Pumped w/rod 11/87 - 2/91

Acid job: (11/87)

Huff & puff: (1/88)

TOC - Surf (circ)

FT - 2350'

Sands - 2480'

Seams - 2507'

2537'

2540'

2561'

2777' } 4 spf
2813' } 144 holes
2782' - + bag (2/91)

Gel Frac (10/87) - 44 mlb (12-20 mesh) @ 30# x link
2 7/8"

Cahn - 2778'

2782'

2809'

2910' - PBD
2954' - csg

5 1/2", 17# N-80

PC - 2812'

Total Net Prod - 40



SPECTRAL DENSITY
DSN II
LOG

COMPANY RHOCO PRODUCTION COMPANY

WELL EALUM GAS COM. CIR

FIELD CEDAR HILL FRUITLAND BASAL COAL

COUNTY SAN JUAN

API NO.
LOCATION
1640 FNL AND 1575 FEL

COMPANY _____
WELL _____
FIELD _____
COUNTY _____ ST _____

SEC. 33 TWP 32N RGE 10W

STATE NH
OTHER SERVICES
DIGL

PERMANENT DATUM G.L. ELEV. 5994
LOG MEASURED FROM K.B. 12FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM K.B. ELEV. : K.B. 6006
DATE 09/19/87 D.F. 6005
G.L. 5994

RUN NO. ONE

DEPTH-DRILLER 2955

DEPTH-MELEX 2959

BITM. LOG INTER. 2924

TOP LOG INTER. 1959

CASING-DRILLER 8 5/8 163

CASING-MELEX 165

BIT SIZE 7 7/8

TYPE FLUID IN HOLE GEL-BAR

DENS. : VISC 10.7 155

PH : FLUID LOSS 9.0 19.6

SOURCE OF SAMPLE FLOWLINE

RM # MERS. TEMP. 4.6 50

RM # MERS. TEMP. 4.5 40

RM # MERS. TEMP. 6.0 50

SOURCE RMF : RMC MERS. MERS. 1.84 125

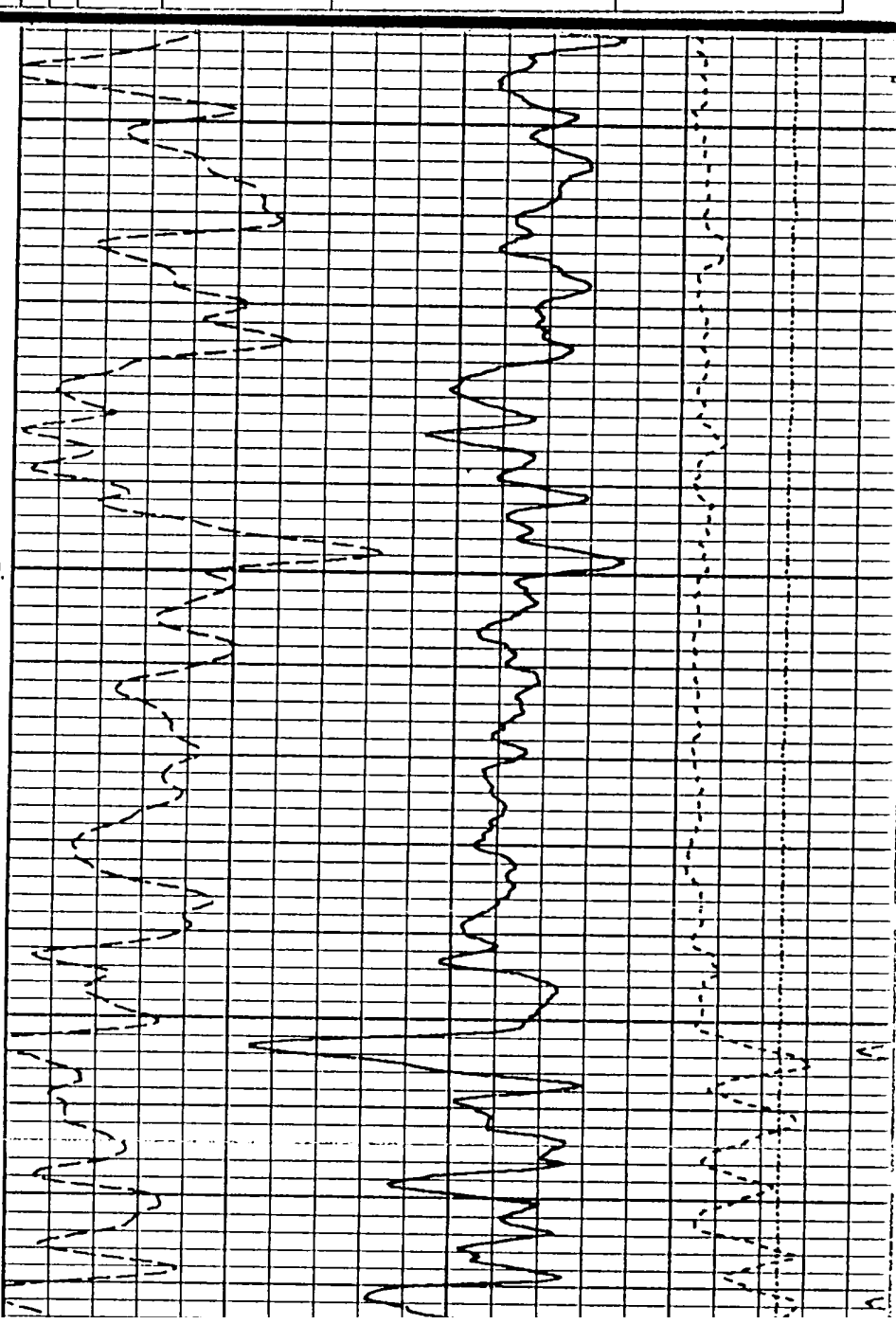
RM # BHT 3 HRS.

TIME SINCE CIRC. 8:45

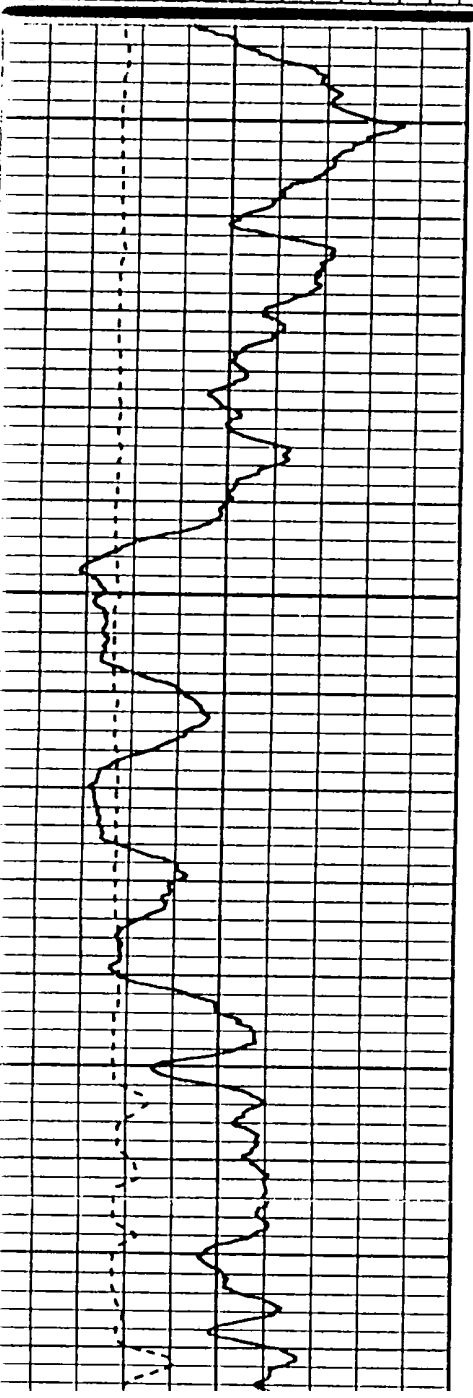
TIME ON BOTOM

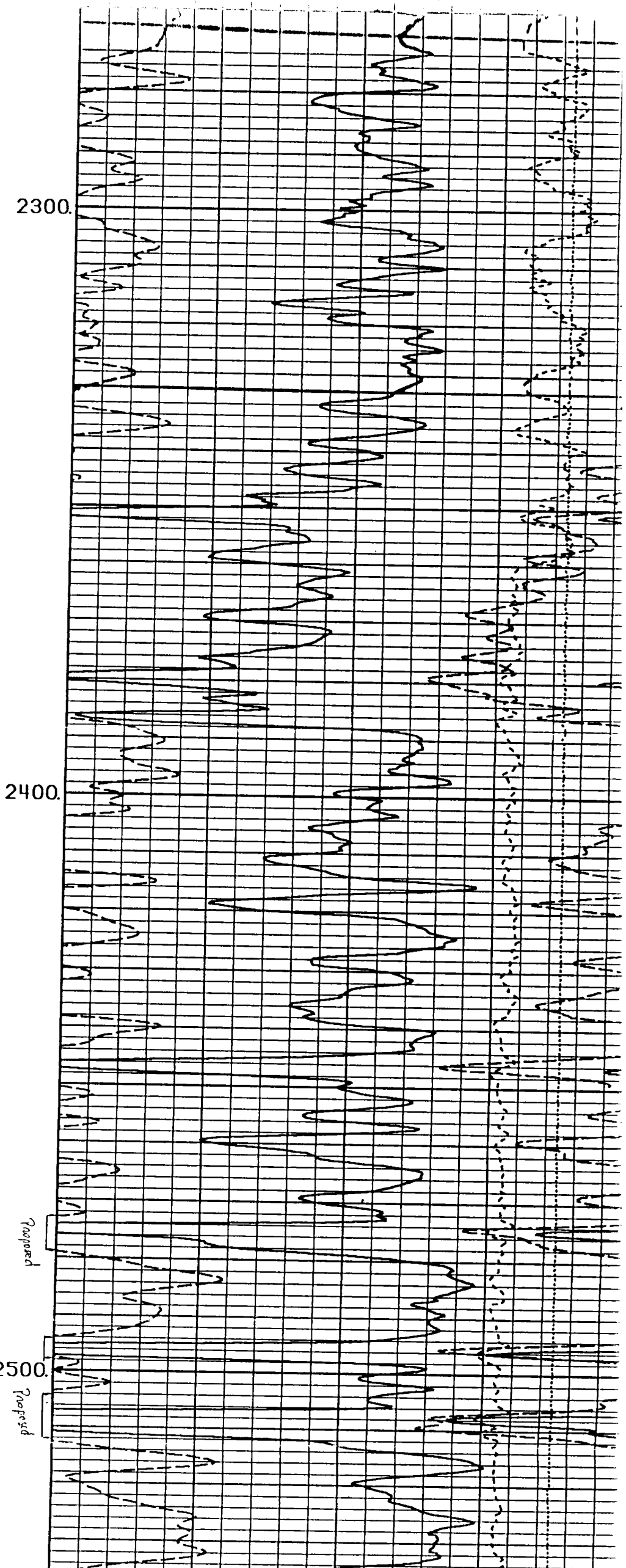
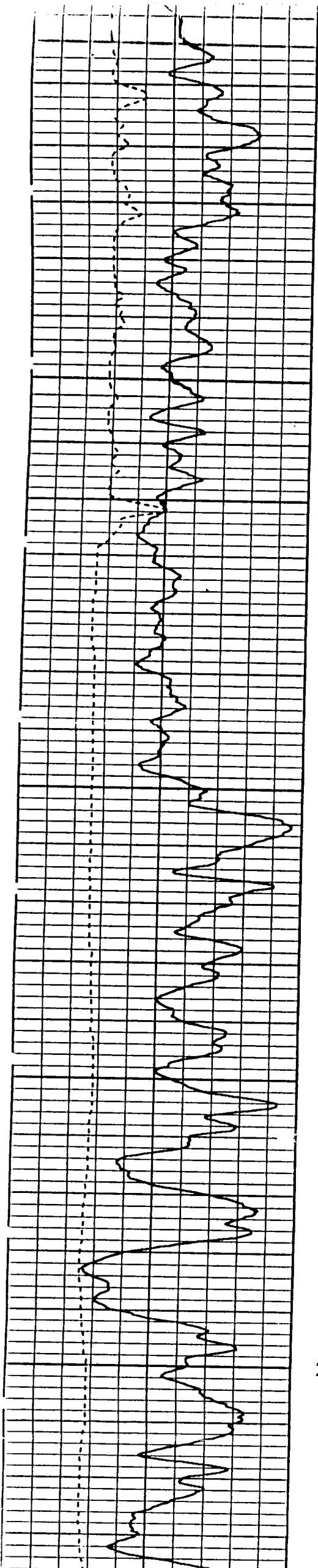
MAX. REC. TEMP. 125 °TD

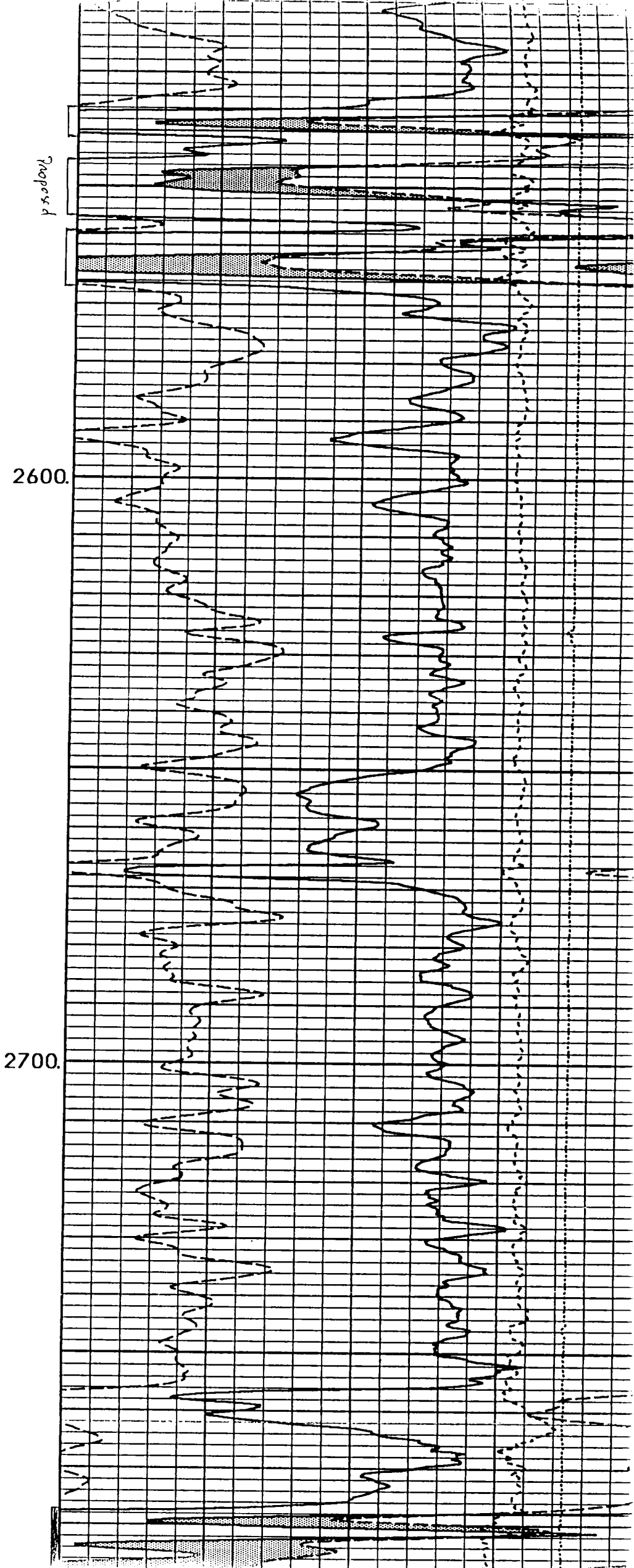
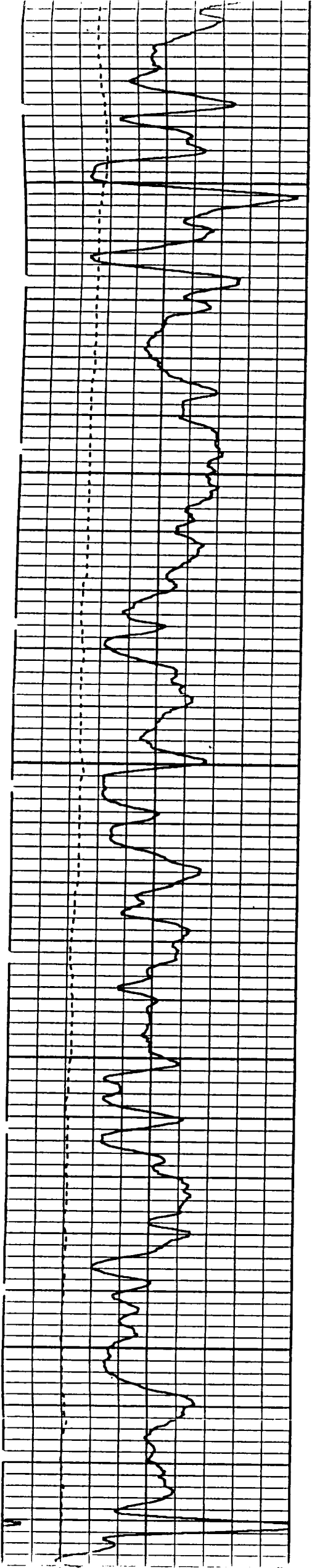
EQUIP. : LOCATION 4550 IFARM

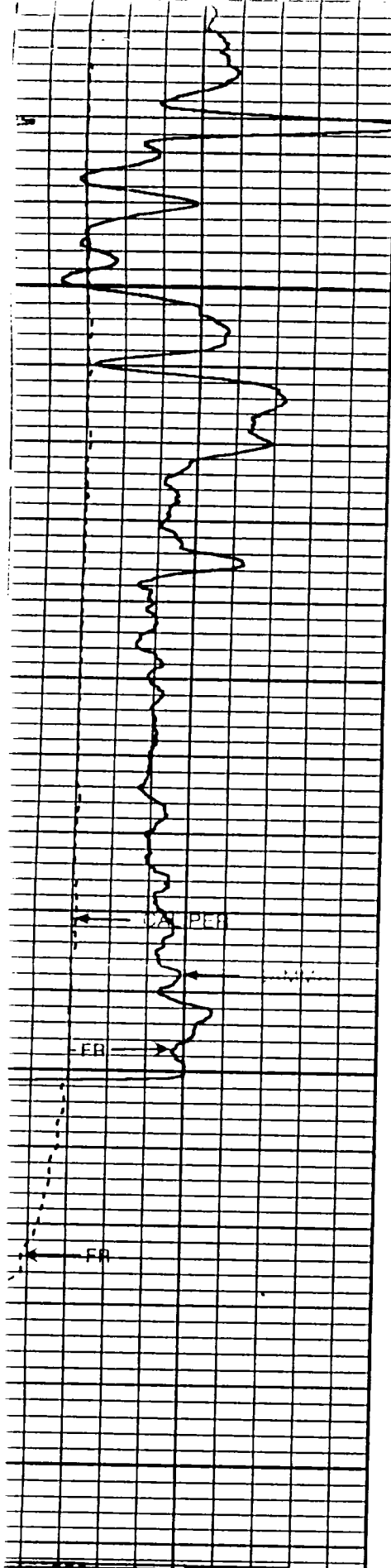


2200.

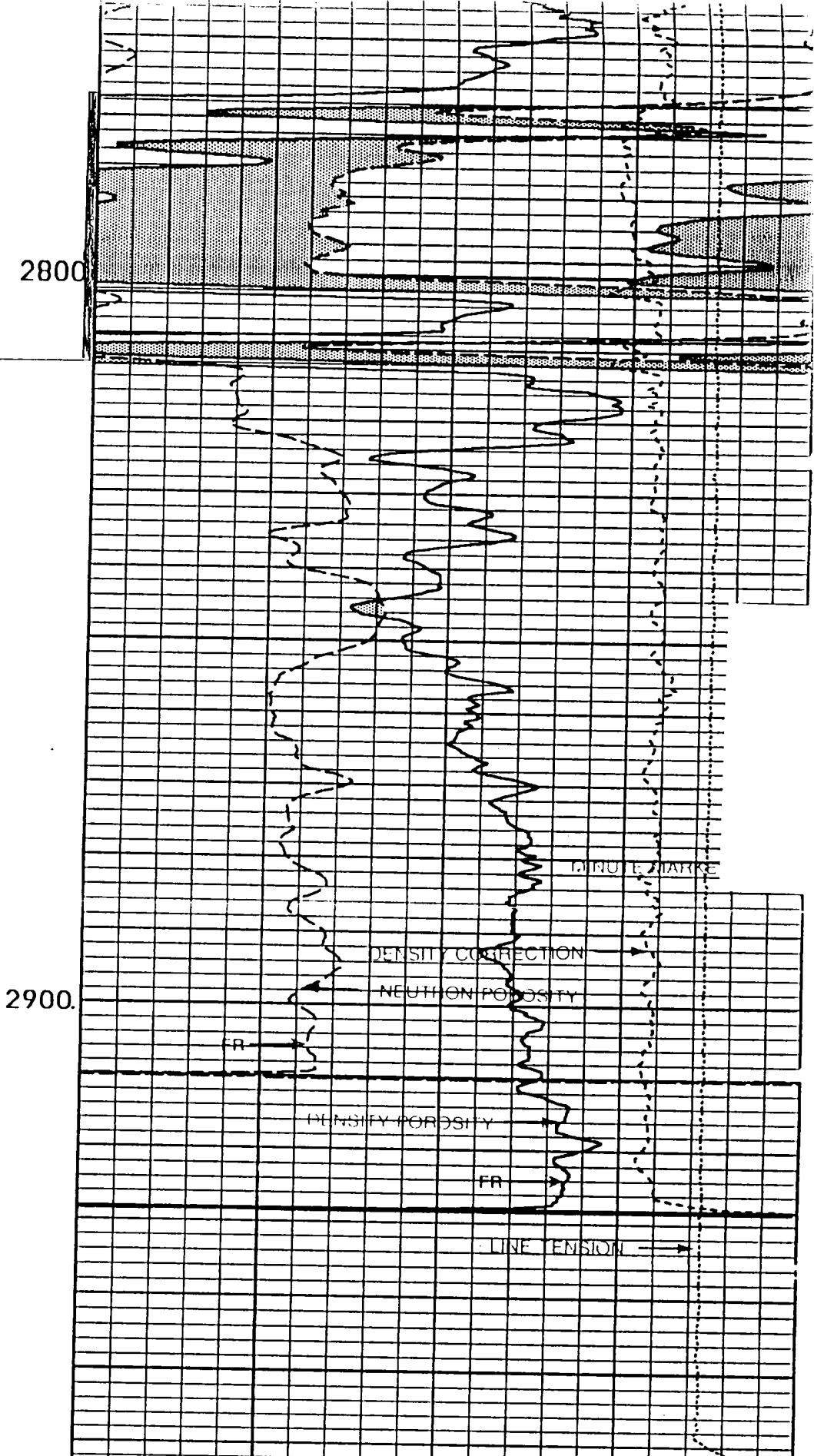








GAMMA	
API	200
CALIPER	
INCHES	16



	DENS. CORR	
	- .25	.25
	GM/CC	
	TENSION	
	10000	0
	POUNDS	
	DEN PORO.	
30	SAND	-10
	NEU PORO.	
30	SAND	-10