

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107
Revised 4-1-91

DISTRICT II
P.O.Box DD, Artesia, NM
88211-0719

OIL CONSERVATION DIVISION
P.O.Box 2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM
87410

Santa Fe, New Mexico 87504-2088

Filing Instructions
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APPLICATION FOR MULTIPLE COMPLETION

Operator WILLIAMS PRODUCTION COMPANY Address P O BOX 3102, TULSA, OK 74172

Lease: ROSA UNIT Well No. #24A Unit Ltr. E Sec 32 T31N R5W County: RIO ARRIBA

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Immediate Zone	Lower Zone
a. Name of Pool and Formation	BLANCO MV		BASIN DAKOTA
b. Top and Bottom of Pay Section (Perforations)	5291' - 6104'		7976' - 8135'
c. Type of Production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e. Daily Production ☐ Actual ☒ Estimated Oil Bbls. Gas MCF Water Bbls.	IP = 3923		IP = 1439

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NOV 25 1996
OIL CON. DIV.
DIST. 3

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:
I hereby certify above information is true and complete to best of my knowledge, and belief.

Signature Susan Griguhn
Printed Name & Title Susan Griguhn Office Assistant
Date November 21, 1996
Telephone (918)561-6254

OIL CONSERVATION DIVISION

Approved by: [Signature]
Title: SUPERVISOR DISTRICT #3
Date: NOV 25 1996

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- District Approval — See rule 112-A-B — Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval — See Rule 112-C — Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

OFFSET OPERATORS
ROSA UNIT #24A
E-32-31N-5W

1. Lease: Rosa Unit

Operator: Williams Production Company, PO Box 3102, Tulsa OK, 74101

2. Lease: San Juan 30-5 Unit

Operator: Phillips Petroleum Company, 5525 Hwy 64, Farmington NM

WELLBORE DIAGRAM

ROSA UNIT #24A MV/DK

Location: 1695' FNL, 1165' FWL
SW/4 NW/4 Section 32, T31N, R5W
Rio Arriba Co., NM

Elevation = 6505' GR
KB = 14'

TOPS	DEPTH
OJO ALAMO	2611'
KIRTLAND	2744'
FRUITLAND	3154'
PICTURED CLIFFS	3342'
LEWIS	3620'
CLIFF HOUSE	5504'
MENEFEE	5559'
POINT LOOKOUT	5775'
MANCOS	5992'
GREENHORN	7796'
GRANEROS	7850'
DAKOTA	7974'

STIMULATION

Cliff House/Menefee: 5291' - 5759'

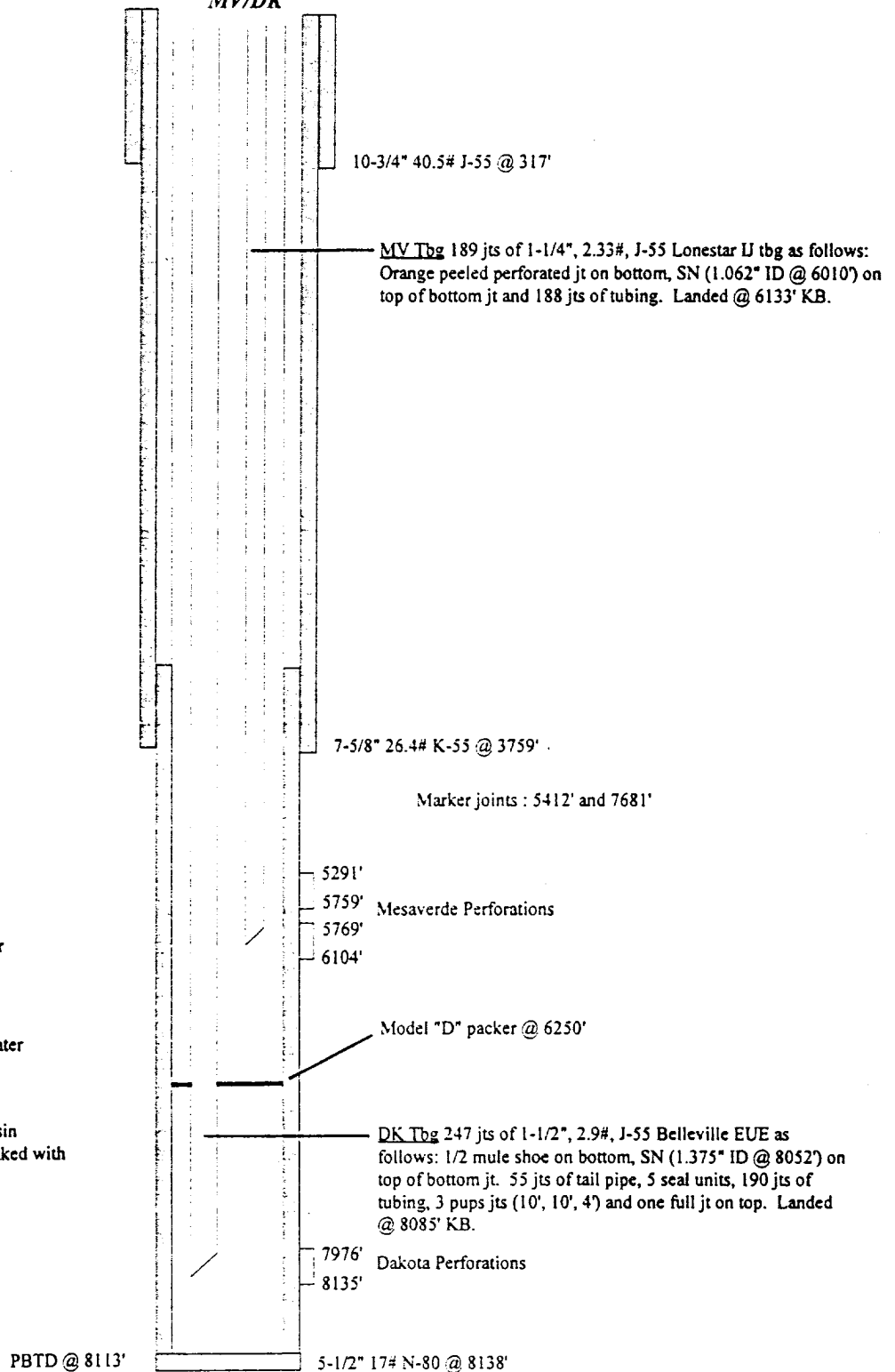
80,000# of 20/40 sand in 987 BBL's of slick water

Point Lookout: 5769' - 6104'

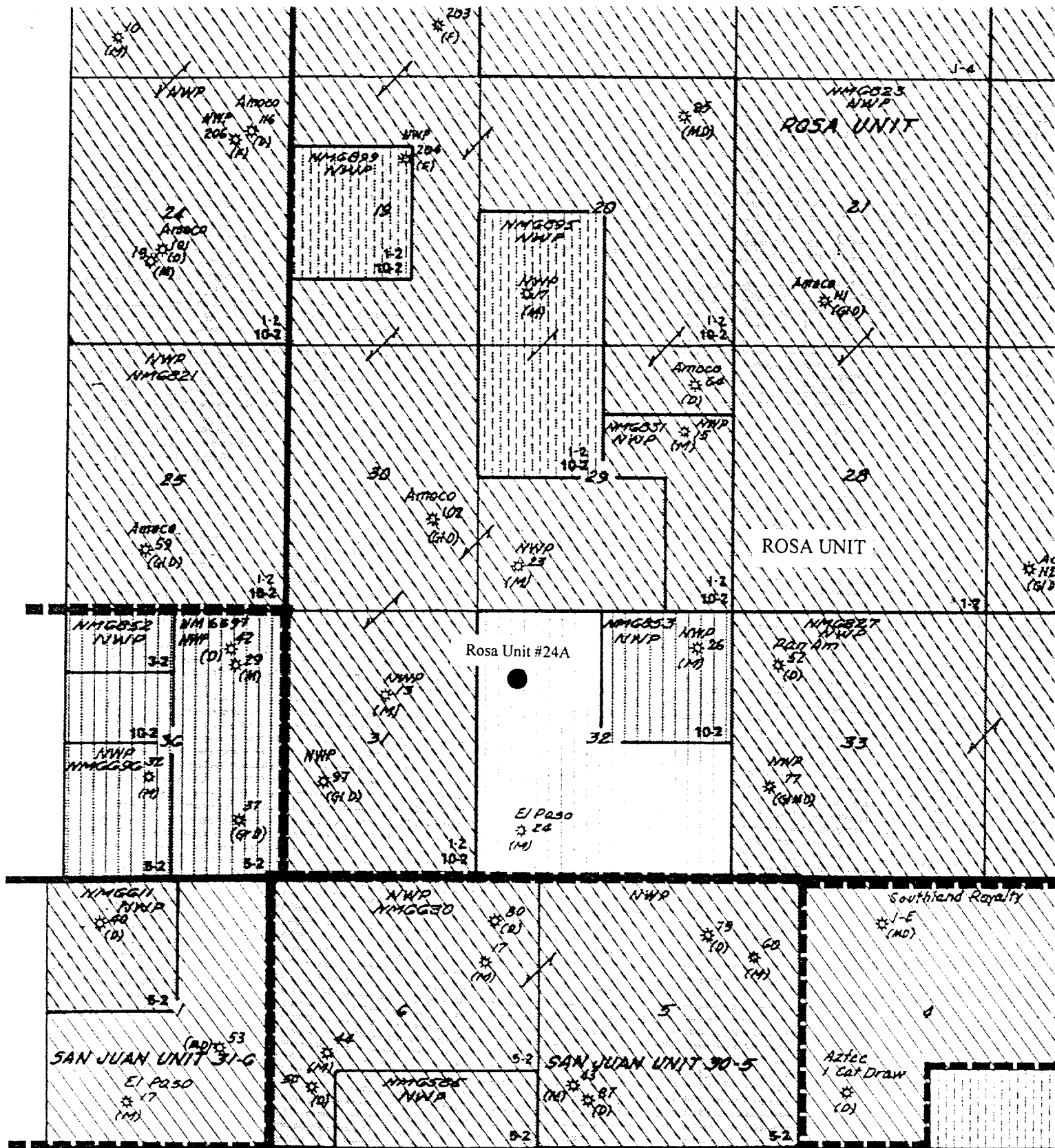
133,000# of 20/40 sand in 2492 BBL's of slick water

Dakota: 7976' - 8135'

65,000# of 20/40 Ottawa & 10,000# 20/40 DC resin coated sand in 659 Bbls of 35# CMHPG gel X-linked with Zirconium in a 60 quality foam.

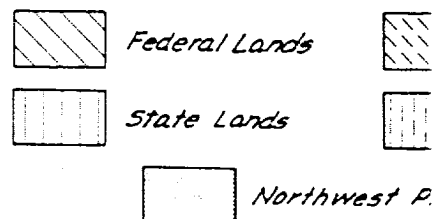


HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
14-3/4"	10-3/4" 40.5#	285 sx	336 cu.ft.	SURFACE
9-7/8"	7-5/8" 26.4#	825 sx	1534 cu.ft.	SURFACE
6-3/4"	5-1/2" 17#	440 sx	612 cu.ft.	4250' CBL



Rio Arriba County

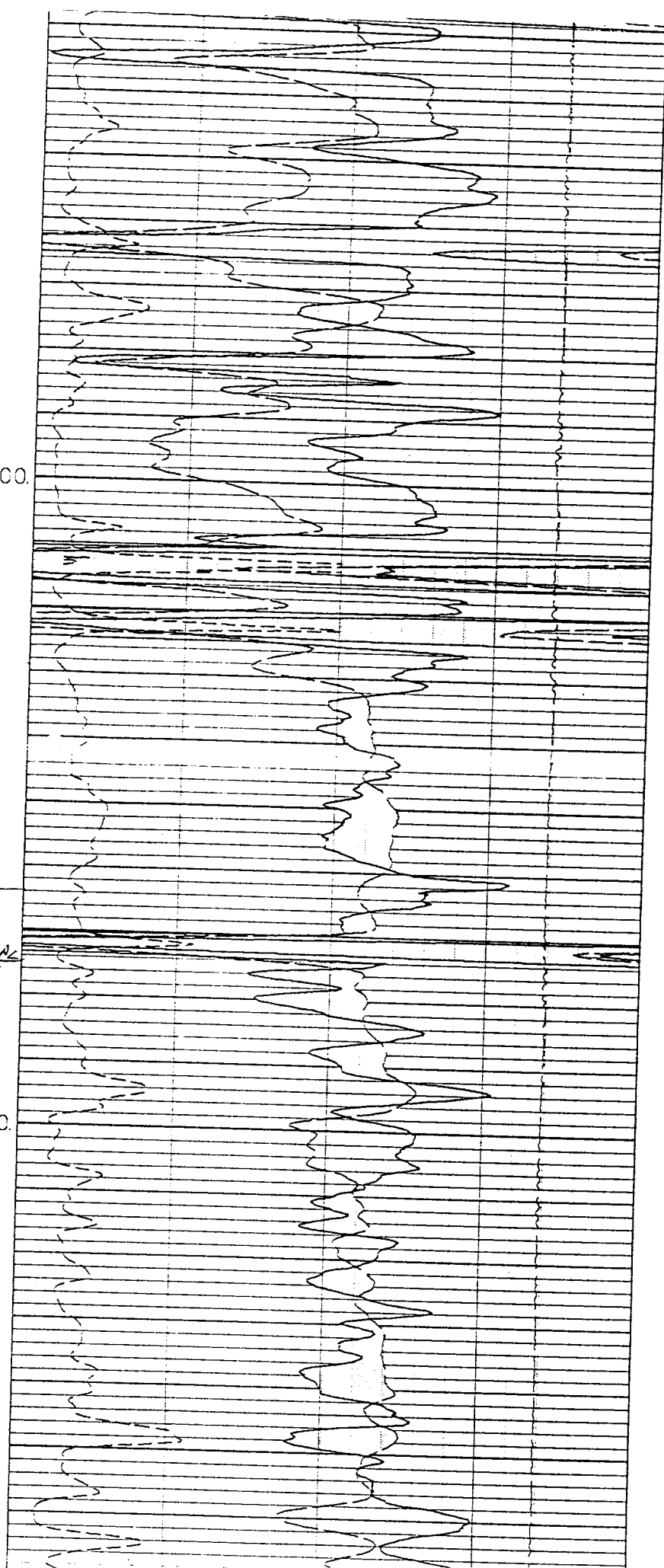
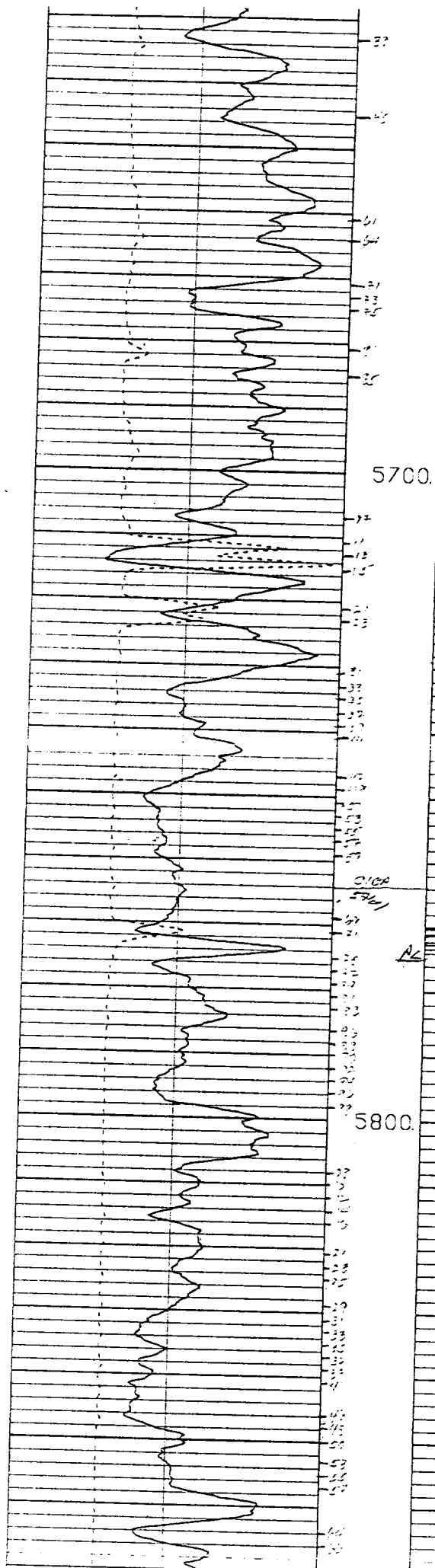
ROSA # 24A

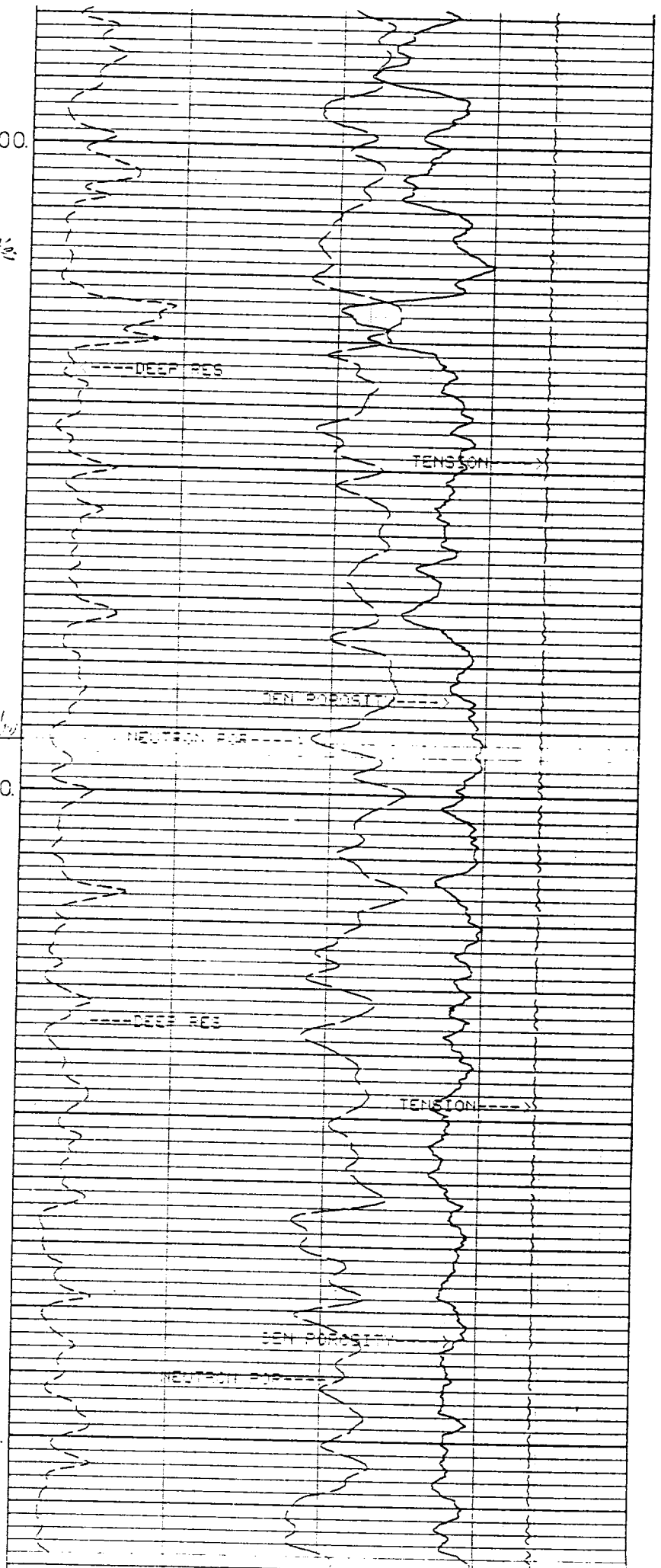
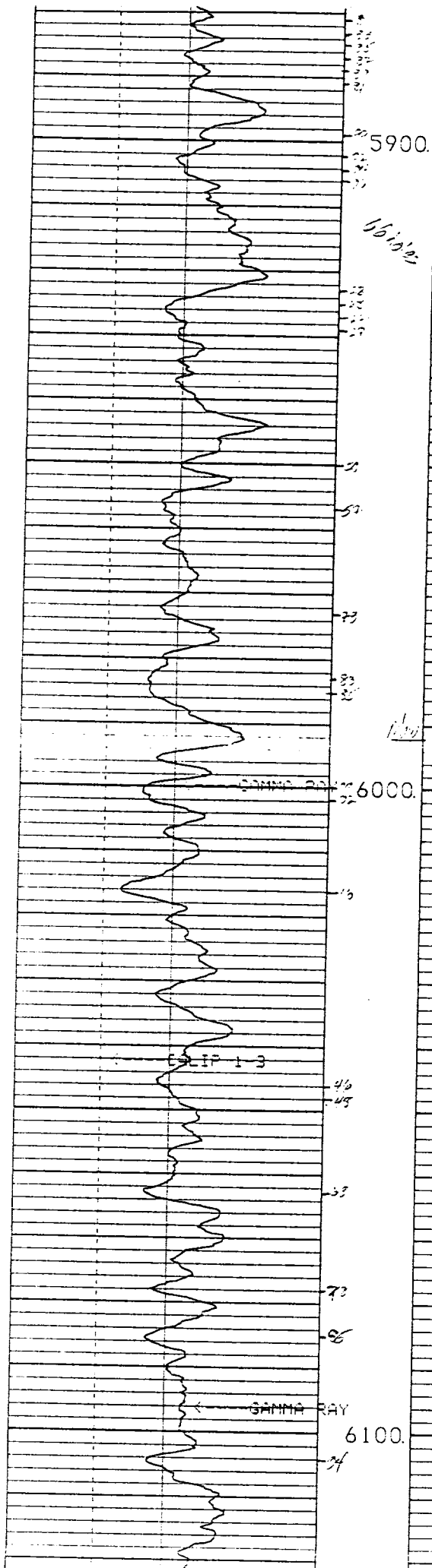


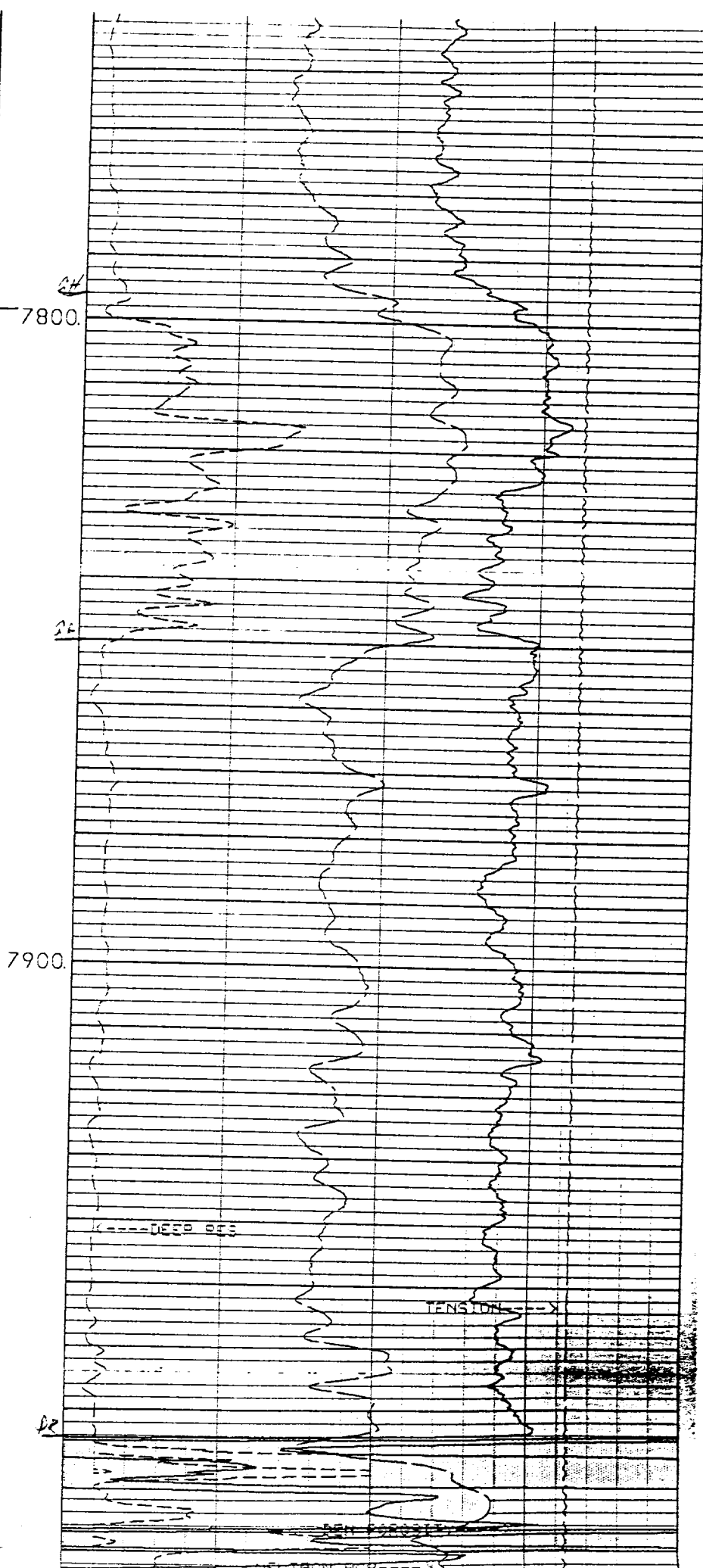
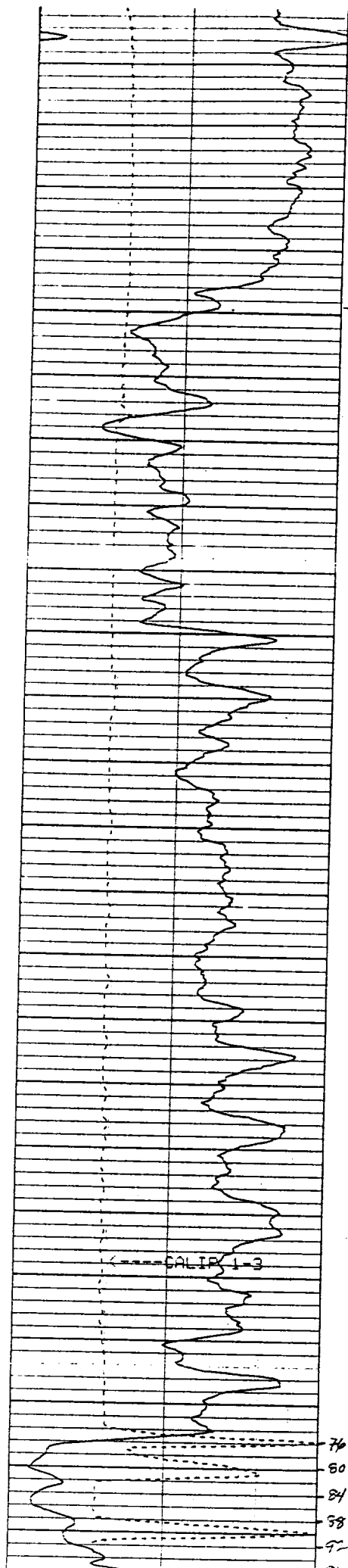
SPECTRAL DENSITY
DUAL SPACED NEUTRON

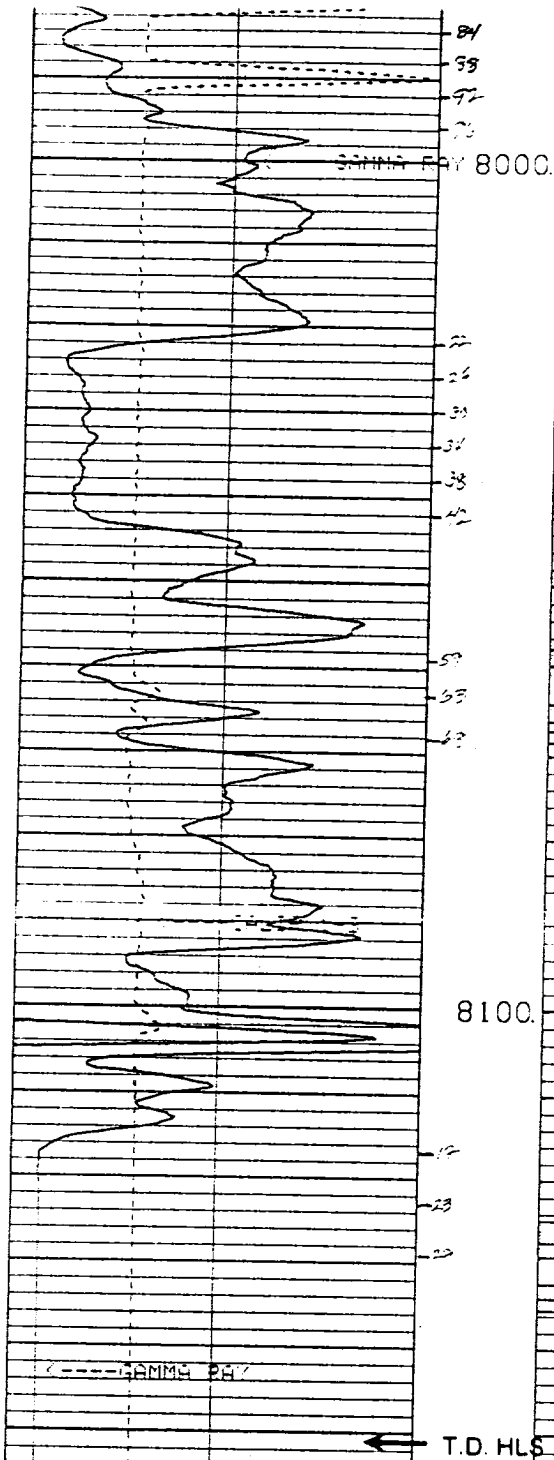
RECEIVED
SEP 18 1995
PRODUCTION ENGINEERING



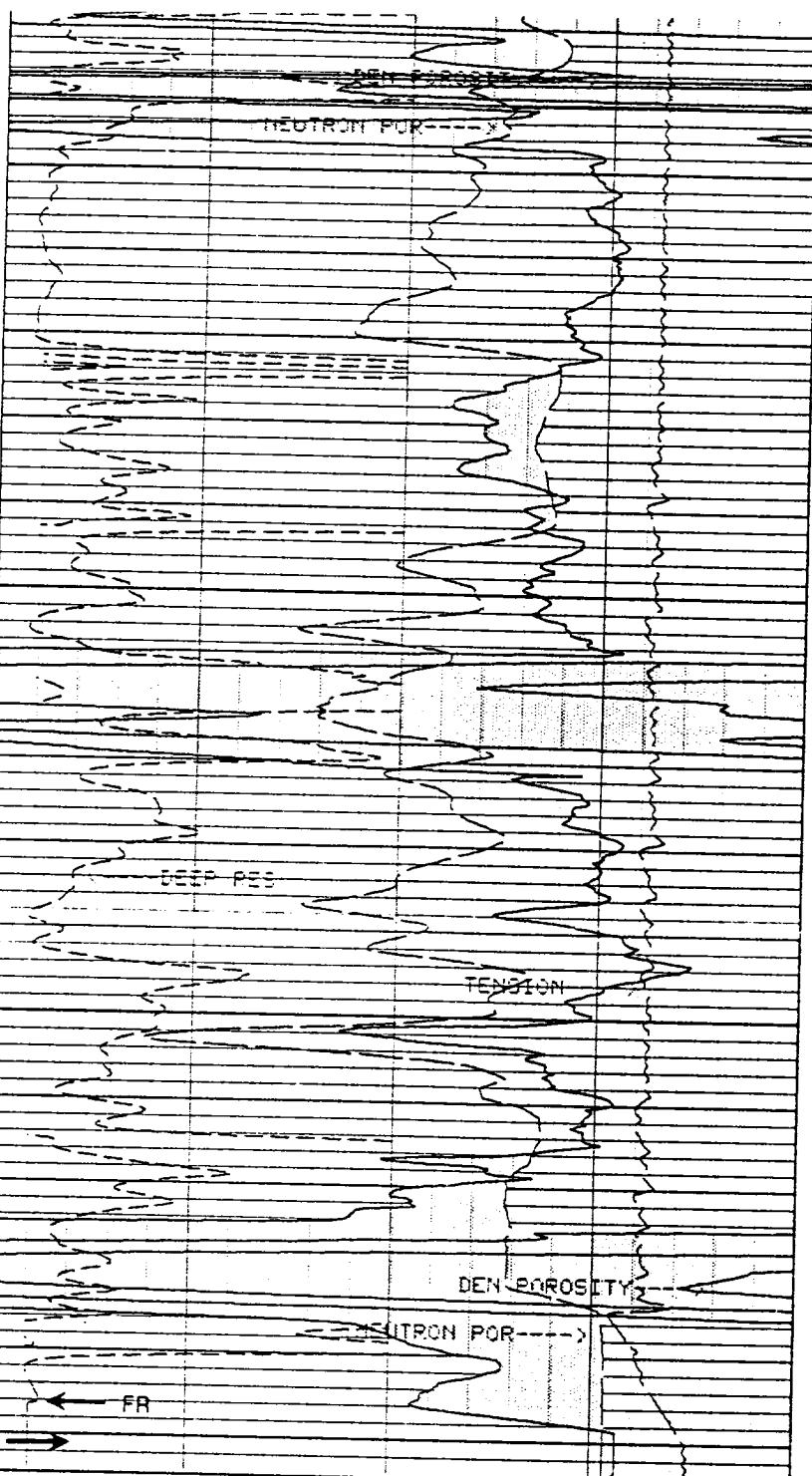








CALIP 1-3		
4	INCHES	14
GAMMA RAY		
0	API COUNTS	200



DEEP RES		TENSION	
0	OHM	100 10000	POUNDS
DEN POROSITY			
30	PERCENT		-10
MATRIX DENSITY =		2.65	
FLUID DENSITY =		1.0	
NEUTRON POR			
30	PERCENT		-10