

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.Drawer 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
Bottom of Page

APPLICATION FOR MULTIPLE COMPLETION

NORTHWEST PIPELINE CORPORATION P.O. BOX 58900 SALT LAKE CITY, UTAH 84158-0900

Operator	Address		
ROSA UNIT	#1E	P 11 31 06	RIO ARRIBA
Lease	Well No.	Unit Ltr. — Sec — Twp — Rge	County

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 MESAVERDE		BASIN DAKOTA
b. Top and Bottom of Pay Section (Perforations)	5356' - 5973'		7887' - 7981'
c. Type of Production (Oil or Gas)	GAS	RECEIVED OCT 18 1994 OIL CON. DIV. DIST. 3	GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e. Daily Production ☐ Actual ☒ Estimated Oil Bbls. Gas MCF Water Bbls.	PITOT 1808 MCF/D		PITOT 5548 MCF/D

2. The following must be attached:
- a. 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.
 - b. 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.
 - c. 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

OIL CONSERVATION DIVISION

WELLBORE DIAGRAM

ROSA UNIT #1E MV/DK

LOCATION: 830' FSL, 830 FEL
SE/4 SE/4 SEC. 11, T31N, R6W
RIO ARRIBA CO., NM
ELEVATION: 6345' GR
KB: 12'

TOPS:

OJO ALAMO	2447'
KIRTLAND	2547'
FRUITLAND	2947'
PICTURED CLIFFS	3205'
LEWIS	3510'
CLIFF HOUSE	5329'
MENEFEE	5442'
POINT LOOKOUT	5648'
MANCOS	6002'
GREENHORN	7516'
GRANEROS	7694'
DAKOTA	7872'

STIMULATION

DK

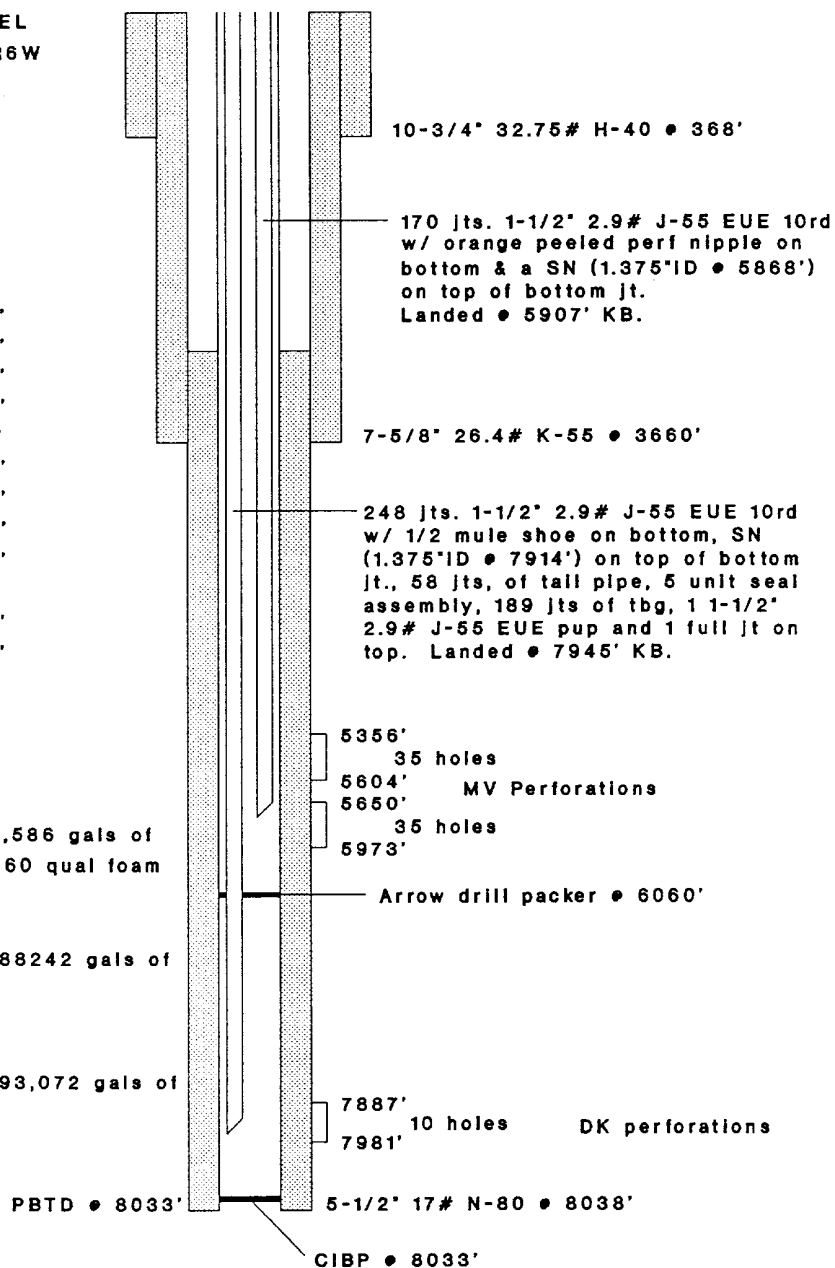
7887' to 7981'
102,300# 20/40 sand in 55,586 gals of
30# zirconium X-Link in a 60 qual foam

MV

5650' to 5973'
82,300# of 20/40 sand in 88242 gals of
slick water.

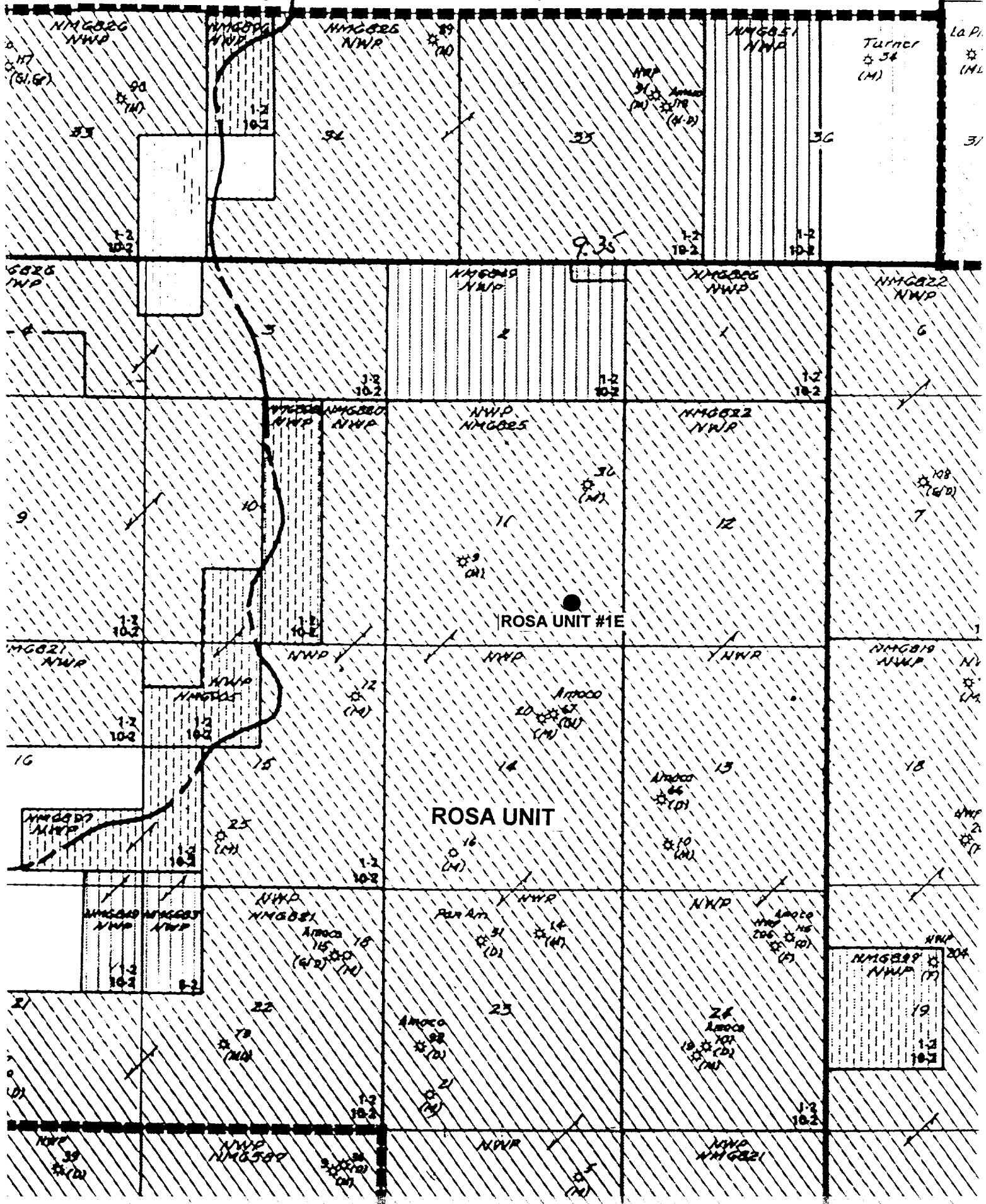
MV

5356' to 5604'
89,000# of 20/40 sand in 93,072 gals of
slick water.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4" 32.75#	240 SX	286 CU.FT.	SURFACE
9-7/8"	7-5/8" 26.4#	865 SX	1607 CU.FT.	SURFACE
6-3/4"	5-1/2" 17#	415 SX	601 CU.FT.	3030' (SURV)

San Juan County Rio Arriba County



**OFFSET OPERATORS
ROSA UNIT #1E
P-11-31N-6W**

1. LEASE: ROSA UNIT

Operator: Northwest Pipeline Corp, MS-2M3, P.O. Box 58900, Salt Lake City, UT, 84158-0900

JO ARRIBA STATE: **NEW MEXICO**

Schlumberger

Elev.:	K.B.	6357 F
	G.L.	6345 F
	D.F.	6356 F

Elev.: 6345 F

12.0 F above Perm. Datum

TOWNS

100

1001

TO

1

1

1

1

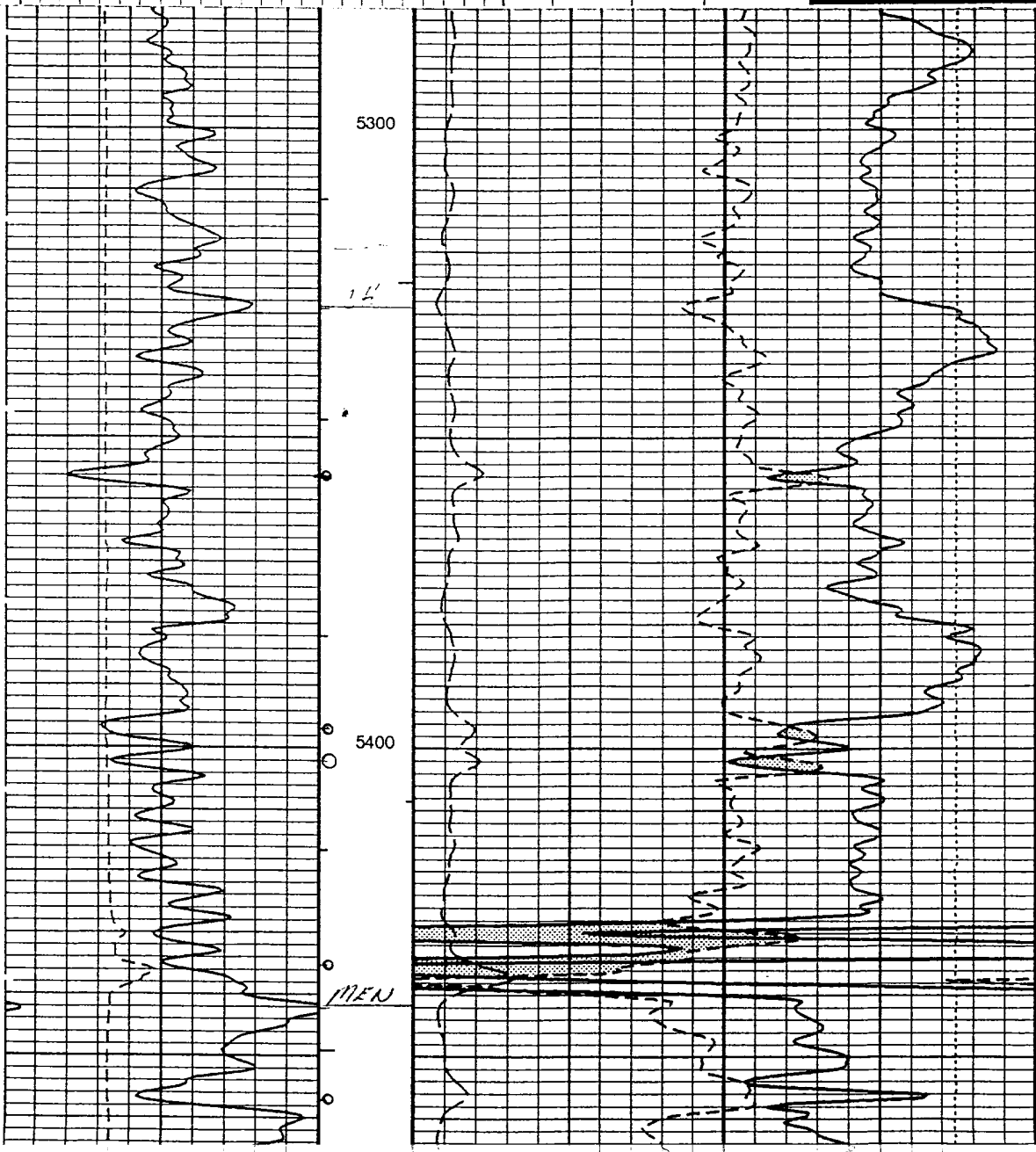
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

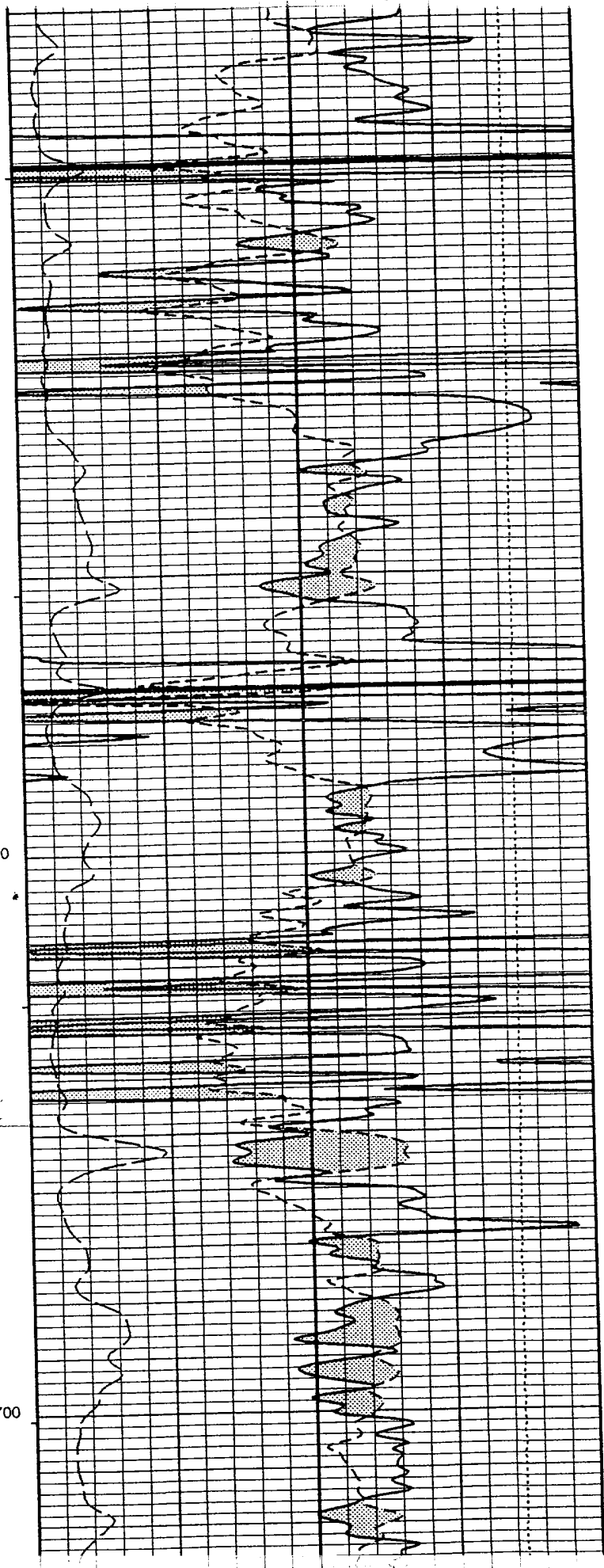
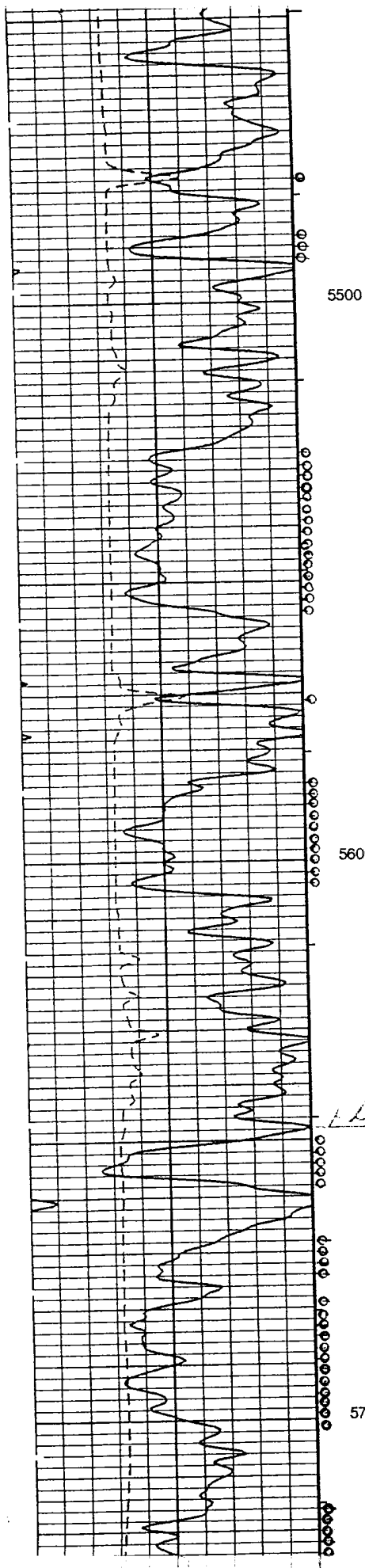
Abstract

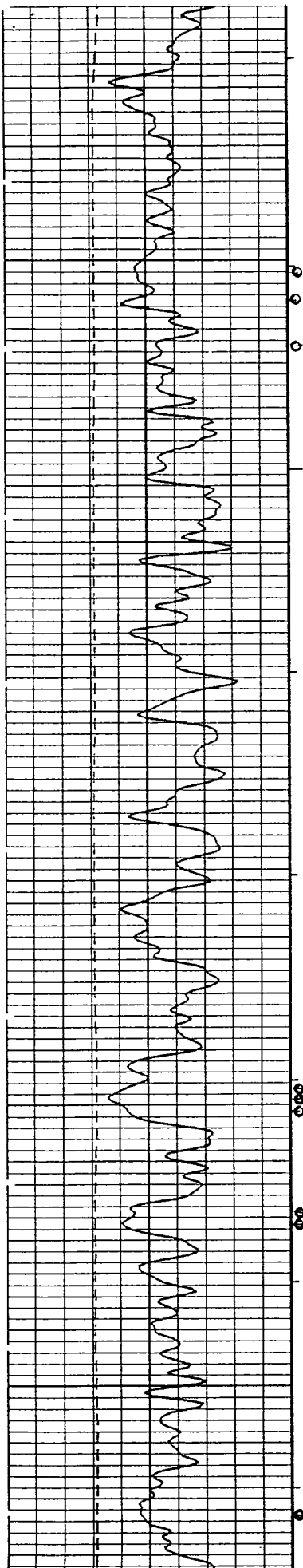
—

[illegible]

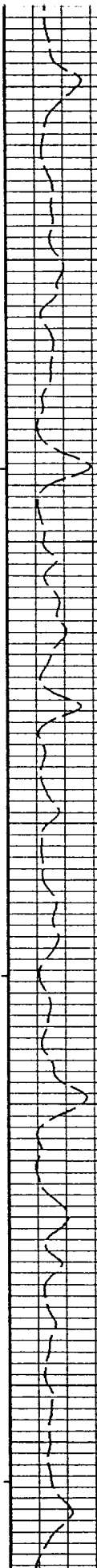
1000



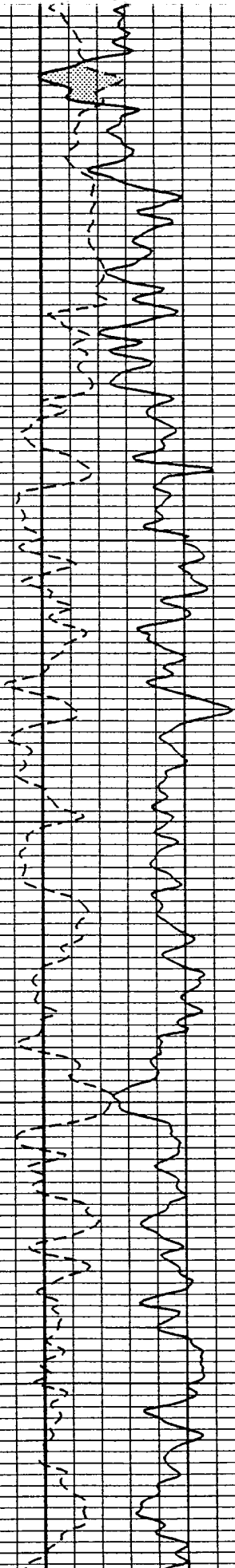




5800



5900



ORTHWEST PIPELINE CORP.
OSA UNIT NO. 1E
LANCO MV / BASIN DAKOTA
IO ARRIBA STATE: NEW MEXICO

chunbeiger
EPITHERMAL NEUTRON
LITHO-DENSITY
WITH GAMMA RAY

0 FSL & 830' FEL

Elev.: K.B. 6357 F
G.L. 6345 F
D.F. 6356 F

Permanent Datum: GROUND LEVEL

Elev.: 6345 F
12.0 F above Perm. Datum

g Measured From: RKB

RKB

g Measured From: RKB

RKB

API Serial No.

SECTION

TOWNSHIP

RANGE

30-JUN-1994

11

31N

6W

1

8025 F

8036 F

8034 F

5050 F

7.625 IN

3659 F

6.750 IN

AIR-GAS

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

FINAL PRINTS

