

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O.Box 2088

Santa Fe, New Mexico 87504-2088

Form C-107
Revised 4-1-91

Filing Instructions
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APPLICATION FOR MULTIPLE COMPLETION

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

Operator	Address
ROSA UNIT	C 17 31 06
Lease	Unit Ltr. — Sec — Twp — Rge
#139	SAN JUAN
Well No.	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	ROSA PICTURED CLIFFS		BLANCO MESAVERDE
b. Top and Bottom of Pay Section (Perforations)	3234' - 3319'		5411' - 5919'
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.	PITOT 615 MCF/D		PITOT 3,221 MCF/D

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 Mark McCallister

Printed Name & Title **MARK MCCALLISTER SR. ENGINEER**

Date **11/09/94** Telephone **(801)584-7103**

OIL CONSERVATION DIVISION

Approved by: [Signature]

Title: **SUPERVISOR DISTRICT # 3**

Date: **NOV 14 1994**

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.

WELLBORE DIAGRAM ROSA UNIT #139 PC/MV

LOCATION: 1008'FNL, 1496 FWL
NE/4 NW/4 SEC. 17, T31N, R8W
SAN JUAN, Co., NM
ELEVATION: 6419' GR
KB: 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2368'
KIRTLAND	2482'
FRUITLAND	2938'
PICTURED CLIFFS	3234'
LEWIS	3548'
CLIFF HOUSE	5341'
MENEFEE	5435'
POINT LOOKOUT	5671'
MANCOS	5972'

Stimulation

MV - 5682' to 5919'

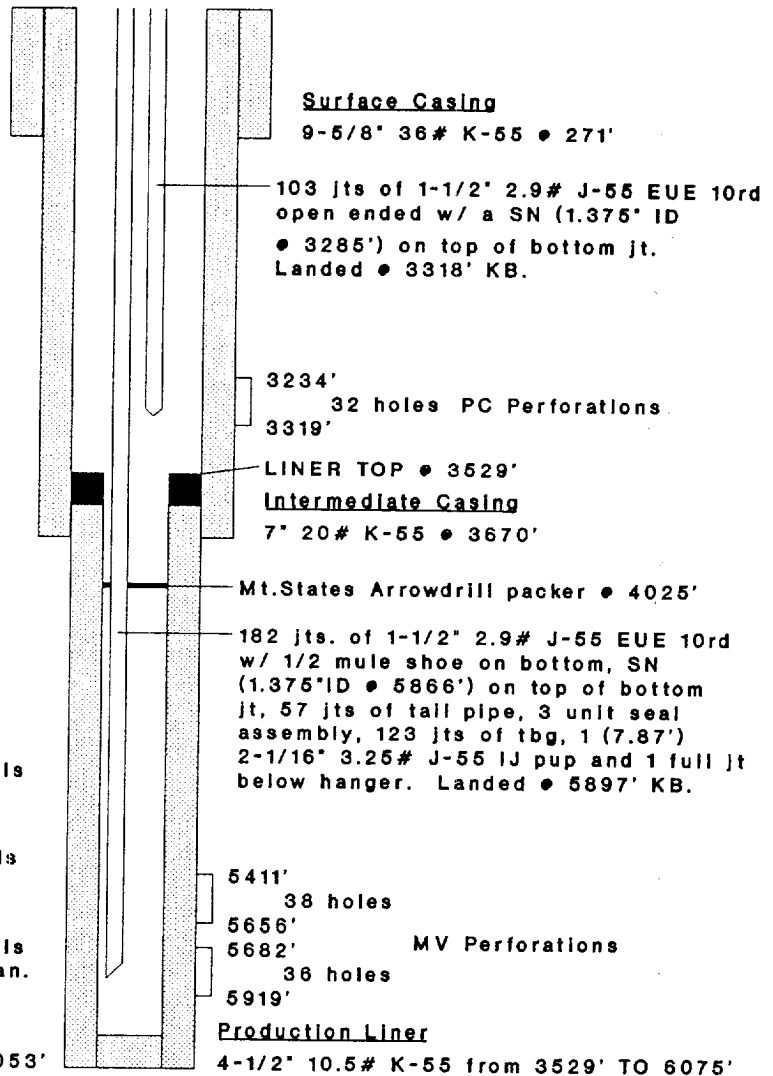
75,000# of 20/40 sand in 100,212 gals of slick water.

MV - 5411' to 5656'

65,300# of 20/40 sand in 69,468 gals of slick water.

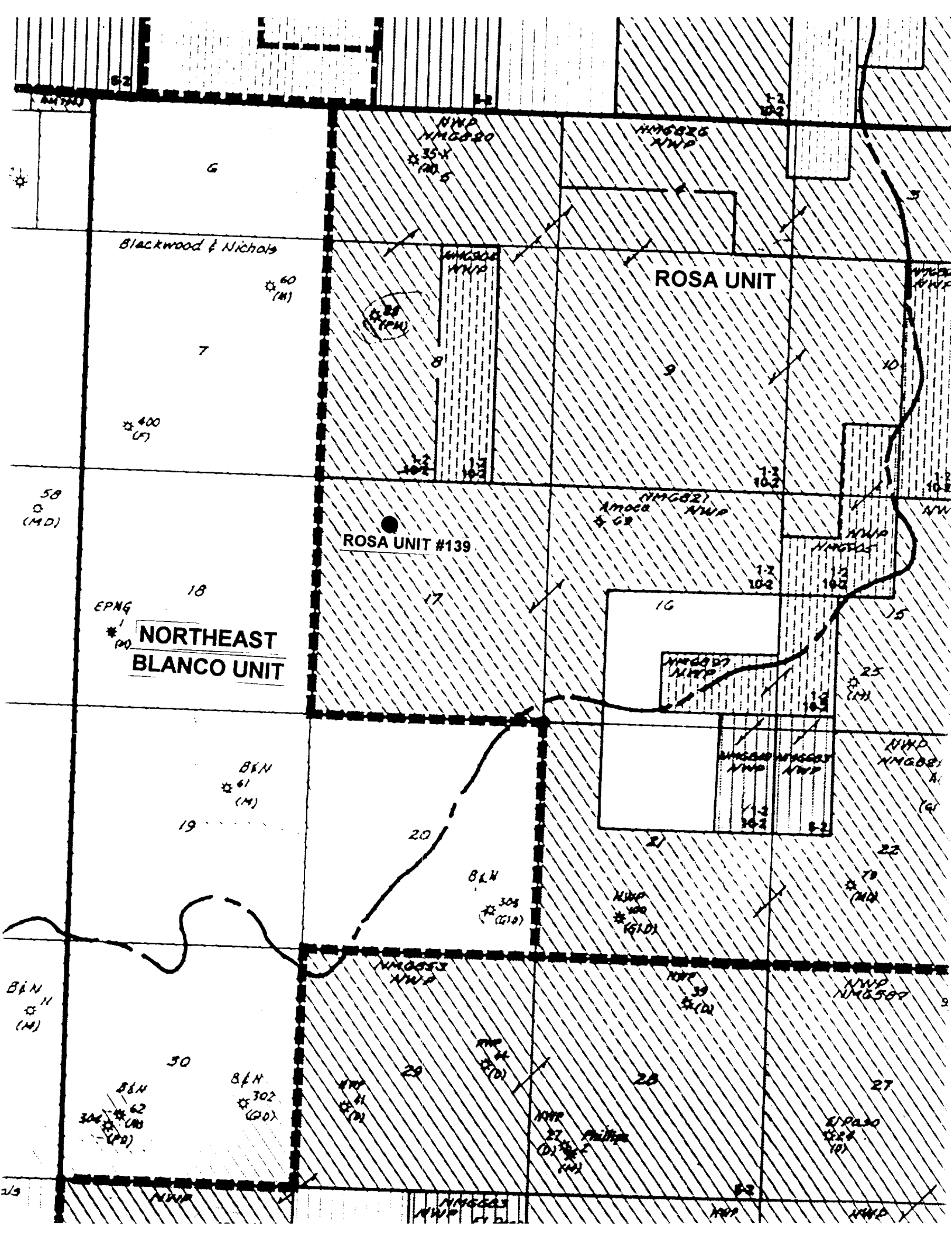
PC - 3234' to 3319'

108,300# of 20/40 sand in 18,900 gals of 30# of X-Link gel in a 70 qual foam.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	150 SX	179 CU.FT.	SURFACE
8-3/4"	7" 20#	600 SX	1149 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	240 SX	415 CU.FT.	LINER TOP

Note: Squeezed liner top with 200 sx (236 cu.ft.) of class 'B'



**OFFSET OPERATORS
ROSA UNIT #139
C-17-31N-6W**

1. LEASE: ROSA UNIT

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

2. LEASE: NORTHEAST BLANCO UNIT

Operator: Blackwood and Nichols, P.O. Box 1237, Durango, CO, 81302

st Pipeline Corporation

it No. 139

Rosa PC/Blanco MV

STATE: New Mexico

Compensated Neutron
Formation Density

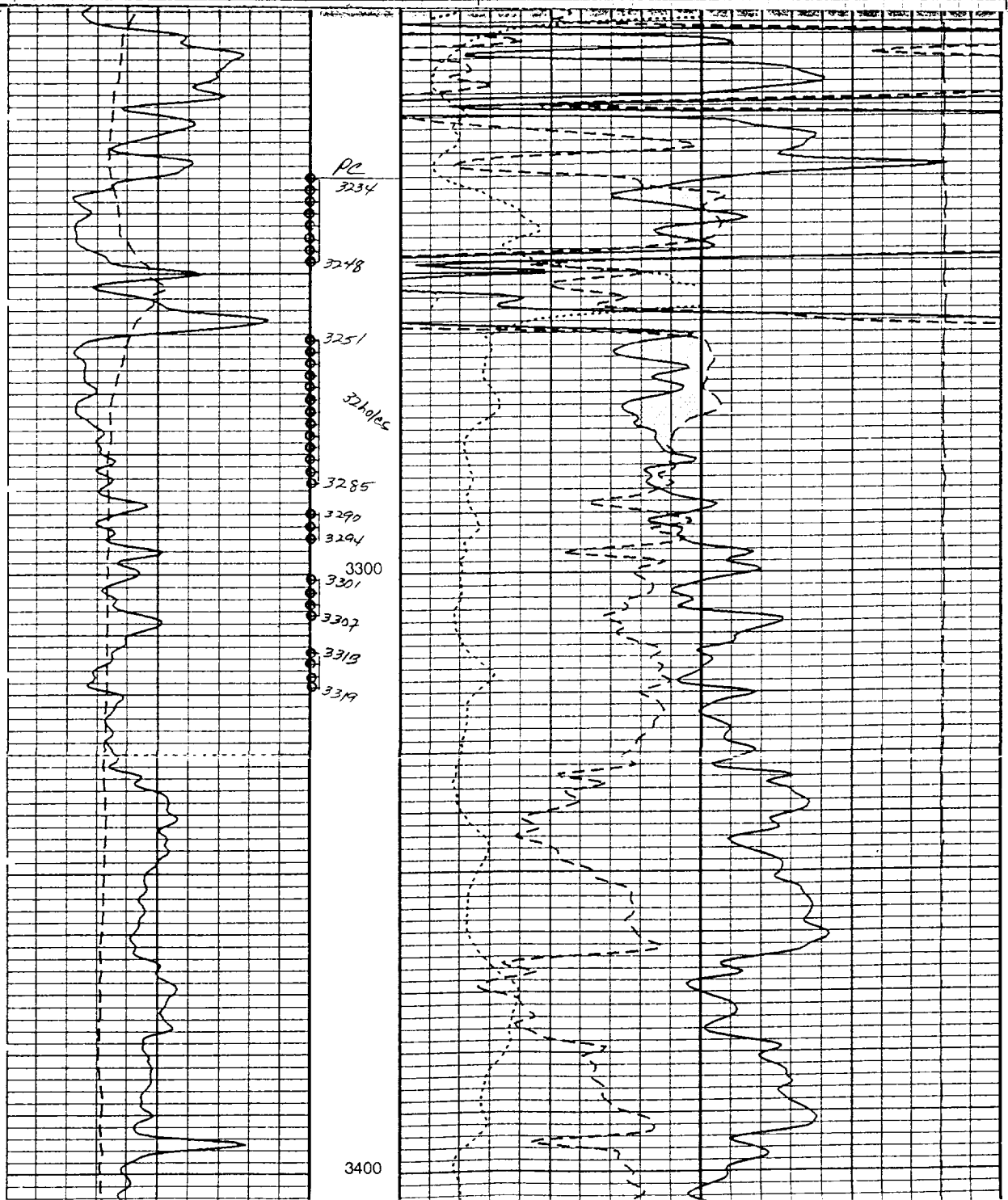
PC
part 54
Tops

GROUND LEVEL Elev.: 6419 F
KELLY BUSHING 12.0 F above Perm. Datum
From: KELLY BUSHING

No. SECTION 17 TOWNSHIP 31N RANGE 6W

9 AUG 1994

586 F			
582 F			
550 F			
500 F			
625 IN	@	27.1 F	
71 F			
750 IN			
SND			
0 LBG	55 S		
ank			
320 OHMM	(@)	86 DEGF	(@)
990 OHMM	(@)	86 DEGF	(@)
990 OHMM	(@)	86 DEGF	(@)
less	Calc.		
191 @ 111	3.143	(@) 111	(@)
11 DEGF		111	
9 AUG 1994		22.15	
9 AUG 1994		4.30	
426 Farmington			
im Lu			
Bricher			



SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

Northwest Pipeline Corporation

Rosa Unit No. 139

Wildcat: Rosa PC/Blanco MV

San Juan STATE New Mexico

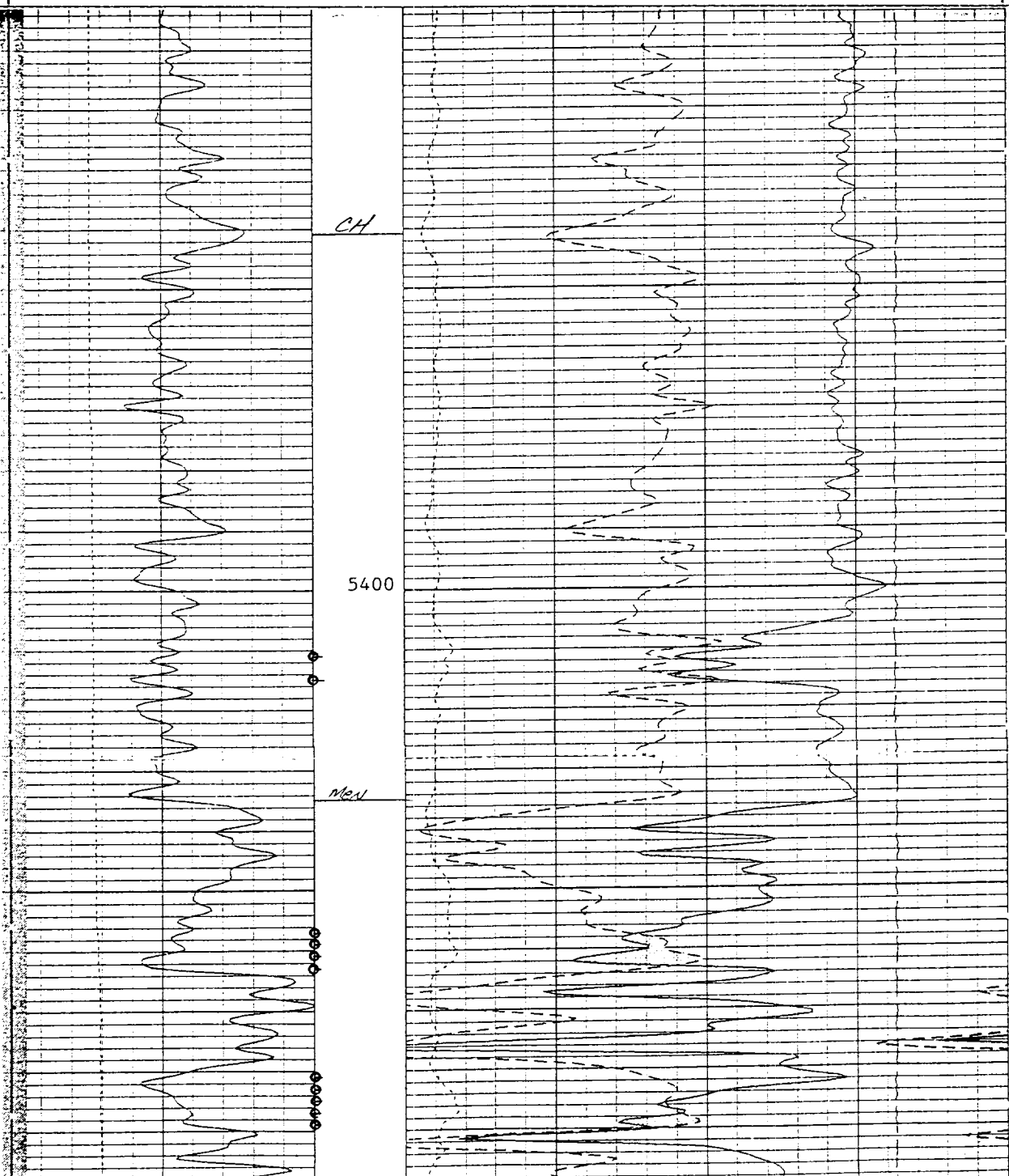
36FWL Other Services:
DIL/LDT
CNL/GR

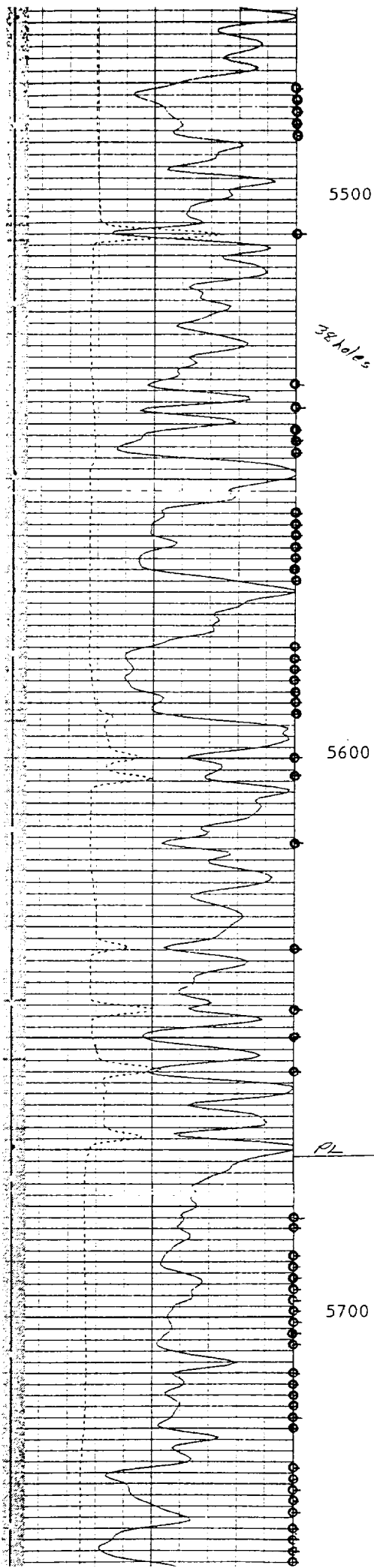
SECT.	TWP.	RANGE	Elev. : K.B. 6431.0 F
17	31N	6W	D.F. 6430.0 F
2nd Elev. 6419.0 F			G.L. 6419.0 F
12.0 F			
ing			

271.0 F	7 IN	(@) 3670.0 F	(@)
3664.0 F			
3586.0 F	6.25 IN	(@) 6075.0 F	(@)

(@)	(@)
(@)	(@)
(@)	(@)
(@)	(@)
(@) 150. DEGF	(@)
(@) 21.00	
(@) 01.30	
Farmingington	

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





38 holes

