

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

Santa Fe, New Mexico 87504-2088

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

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	G 16 31 06
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	PICTURED CLIFFS		BLANCO MESA VERDE
b. Top and Bottom of Pay Section (Perforations)	3160' - 3255'		5363' - 5875'
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 1,374 MCF/D		PITOT 3,042 MCF/D

RECEIVED
OCT 26 1994
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 *Mark McCallister*

Printed Name & Title MARK MCCALLISTER SR. ENGINEER

Date 10/21/94 Telephone (801) 584-7103

OIL CONSERVATION DIVISION

Approved by: Original Signed by FRANK T. CHAVEZ

Title: SUPERVISOR DISTRICT # 3

Date: OCT 26 1994

WELLBORE DIAGRAM

ROSA UNIT #145 PC/MV

LOCATION: 1679'FNL, 1835' FEL
SW/4 NE/4 SEC. 16, T31N, R6W
SAN JUAN, Co., NM
ELEVATION: 6322' GR
KB: 12'

TOPS:
NACIMIENTO N/A
OJO ALAMO 2330'
KIRTLAND 2445'
FRUITLAND 2907'
PICTURED CLIFFS 3159'
LEWIS 3518'
CLIFF HOUSE 5300'
MENEFEE 5397'
POINT LOOKOUT 5623'
MANCOS 5884'

STIMULATION

MV - 5627' to 5875'

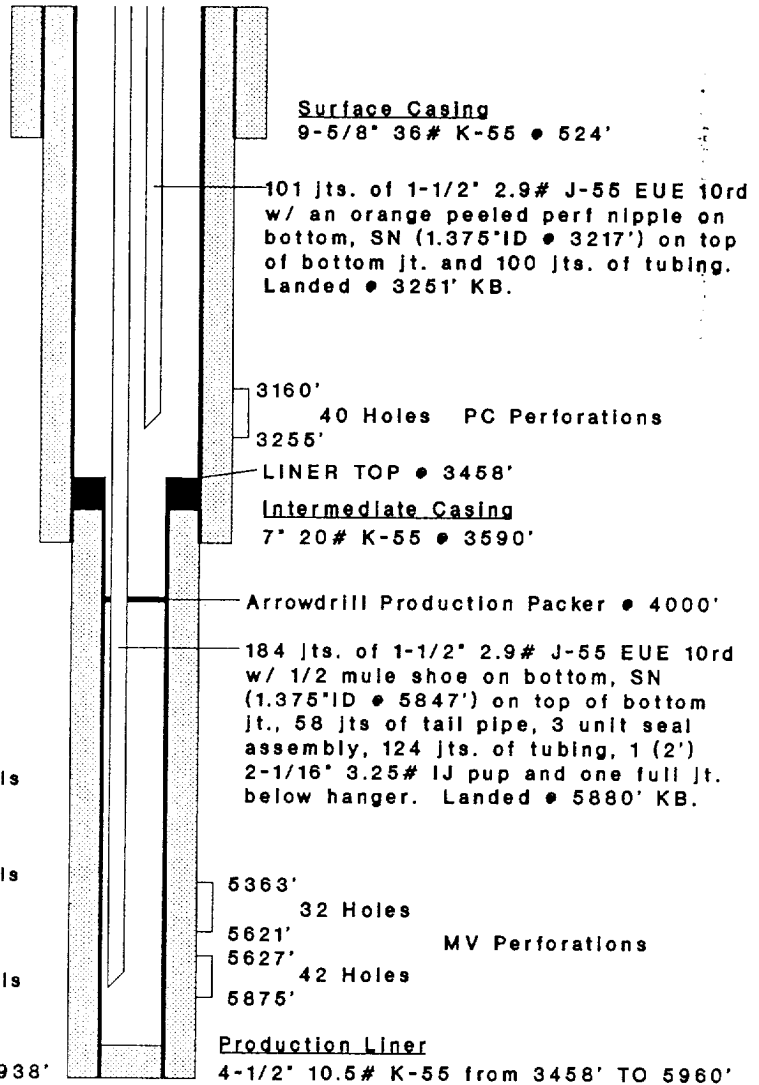
78,500# of 20/40 sand in 88,746 gals of slick water.

MV - 5363' to 5621'

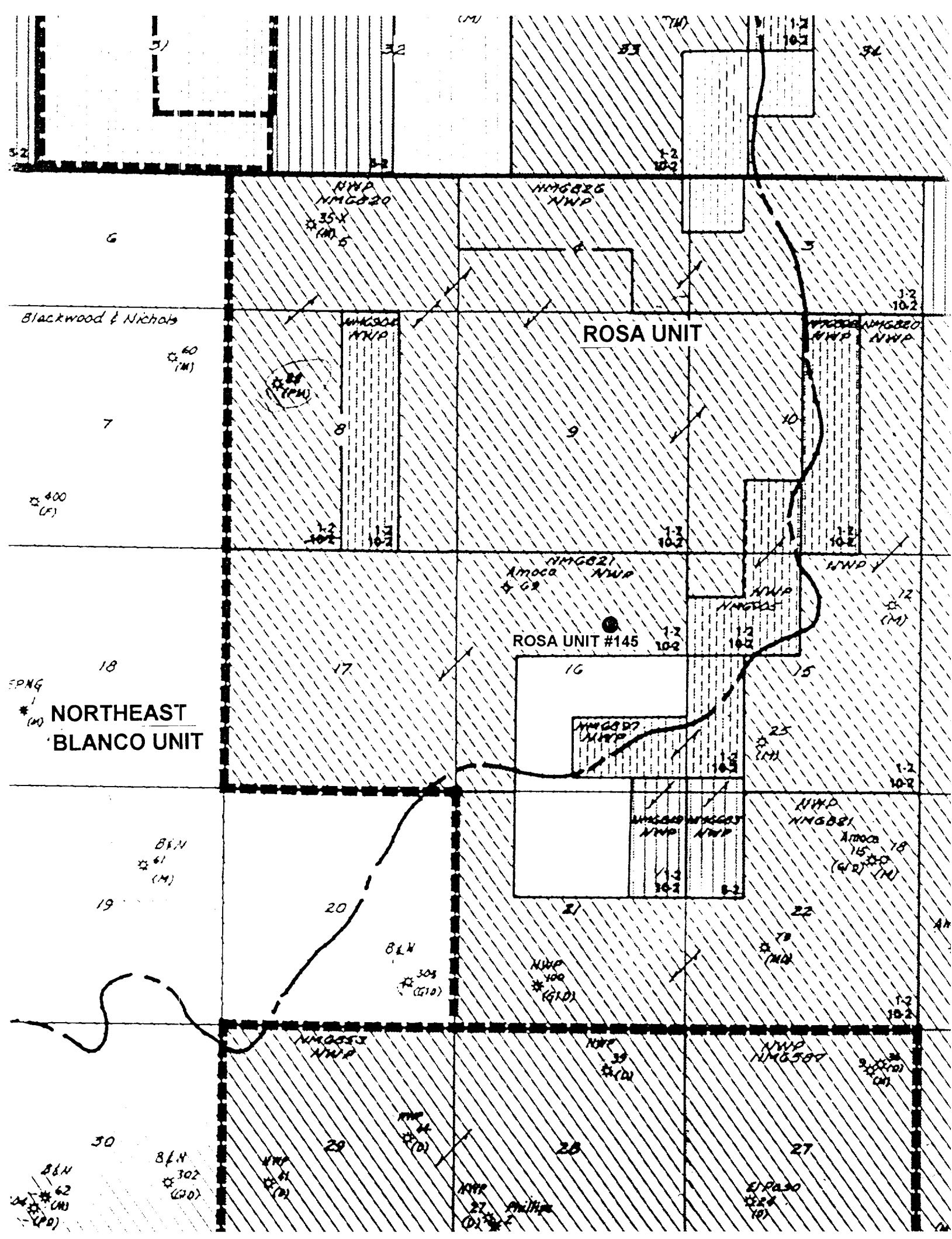
66,000# of 20/40 sand in 82,286 gals of slick water.

PC - 3160' to 3255'

115,000# of 20/40 sand in 16,380 gals of 30# X-Link gel in a 70 qual foam.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	300 SX	179 CU.FT.	SURFACE
8-3/4"	7" 20#	600 SX	1149 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	445 SX	644 CU.FT.	LINER TOP



OFFSET OPERATORS
ROSA UNIT #145
G-16-31N-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

ington		

Hand-drawn geological log on grid paper. The log consists of two vertical columns of data. The left column features a jagged line representing a profile, with depth markers at 3160, 3168, 3175, 3200, 3201, 3213, 3243, 3247, 3255, and 3300. The right column features a dashed line and a jagged line. A vertical label "46 holes" is positioned between the two columns. The entire log is drawn on a grid background.

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

NY Northwest Pipeline Corporation

Rosa Unit No. 145

Wildcat: Rosa PC/Blanco MV

San Juan STATE New Mexico

L 8.1835FEL

Other Services:
DIL/LDT
CNL/GR

L. NO.	SECT.	TWP.	RANGE	Elev.
16	31N	6W		6322.0 F
				12.0 F Above Perm. Datum

Ly Bushing

F	7 IN	(@ 3590.0 F	(@
F	3590.0 F		
F	6.25 IN	(@ 5960.0 F	(@
F			

3	150 DEGF	(@
3	1994 (@ 12.00	
3	1994 (@ 15.31	
3	Farmlington	

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

