

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

DISTRICT II
P.O. Drawer 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

WILLIAMS PRODUCTION COMPANY PO BOX 3102 TULSA, OK 74101

Operator

Address

ROSA UNIT #77A 1 3.3 31N 6W 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)	5541' - 6016'		7995' - 8205'
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.	3 HR PITOT 1555 MCF/D	RECEIVED OCT 27 1995 OIL CON. DIV.	3 HR PITOT 2636 MCF/D

2. The following must be attached:

DIST. 3

- 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 Bob McElhattan
Printed Name & Title BOB MC ELHATTAN - SR PRODUCTION ANALYST

Date October 24, 1995 Telephone (918) 561-6678

OIL CONSERVATION DIVISION

Approved by: 37.8
Title: SUPERVISOR DISTRICT #3

Date: OCT 27 1995

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 #77A MV/DK

LOCATION: 1850' FSL, 895' FEL
NE/4 SE/4 SEC. 33, T31N, R5W
RIO ARRIBA CO., NM
ELEVATION: 6503' GR
KB: 12'

TOPS:

OJO ALAMO 2626'
KIRTLAND 2716'
FRUITLAND 3134'
PICTURED CLIFFS 3397'
LEWIS 3642'
CLIFF HOUSE 5518'
MENELEE 5572'
POINT LOOKOUT 5792'
MANCOS 6005'
GREENHORN 7820'
GRANEROS 7873'
DAKOTA 7977'

STIMULATION

Cliff House/Menelee: 5541' - 5772'

82,000# of 20/40 sand in 1098 BBLs of
20# linear gel in a 60/65 qual. foam.

Point lookout: 5793' - 6016'

96,000# of 20/40 sand in 1096 BBLs of
20# linear gel in a 60/65 qual. foam.

Upper Dakota: 7995' - 8121'

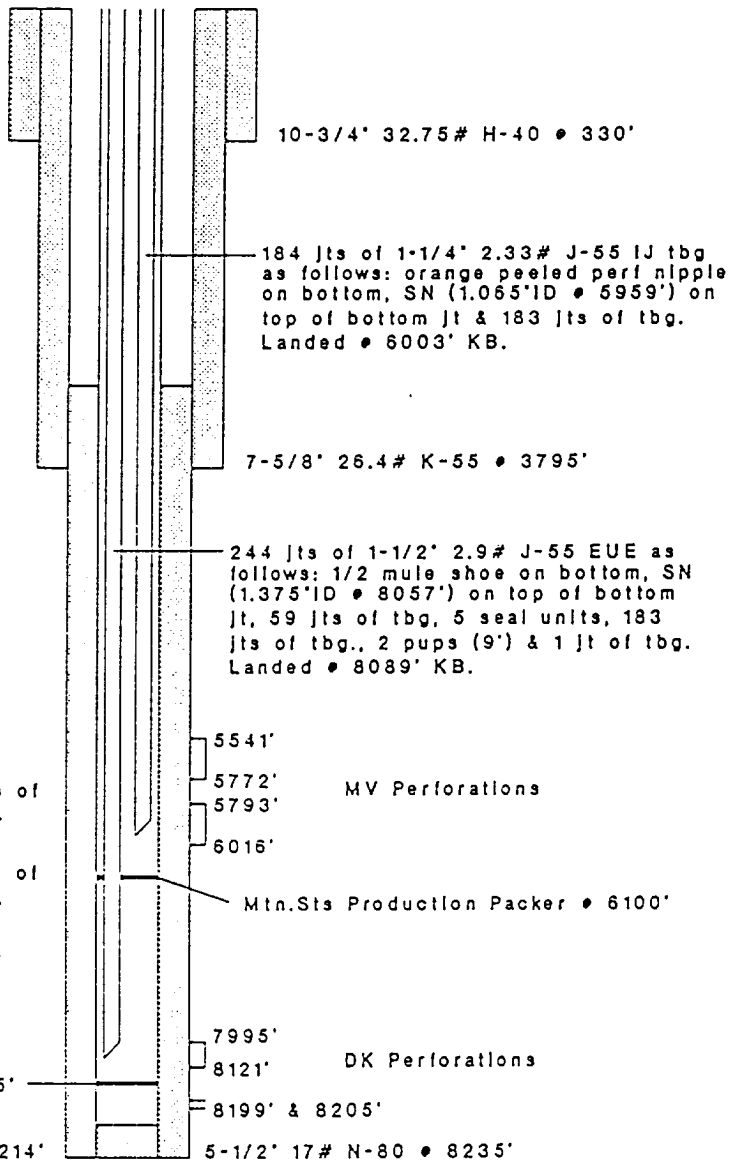
100,804# of 20/40 sand in 590 BBLs
of 30# X-Link gel in a 60 qual foam.

Lower Dakota: 8199' & 8205'

Broke down w/ 250 gals of 15% HCl

CIBP • 8175'

PBTD • 8214'



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
13-3/4"	10-3/4" 32.75#	215 SX	254 CU.FT.	SURFACE
9-7/8"	7-5/8" 26.4#	871 SX	1585 CU.FT.	SURFACE
6-3/4"	5-1/2" 17#	445 SX	610 CU.FT.	3040' (CBL)

**OFFSET OPERATORS
ROSA UNIT #77A
I-33-31N-5W**

1. LEASE: ROSA UNIT

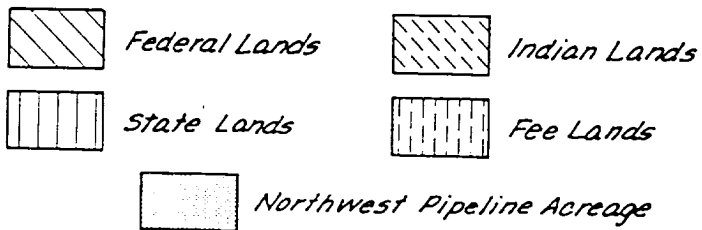
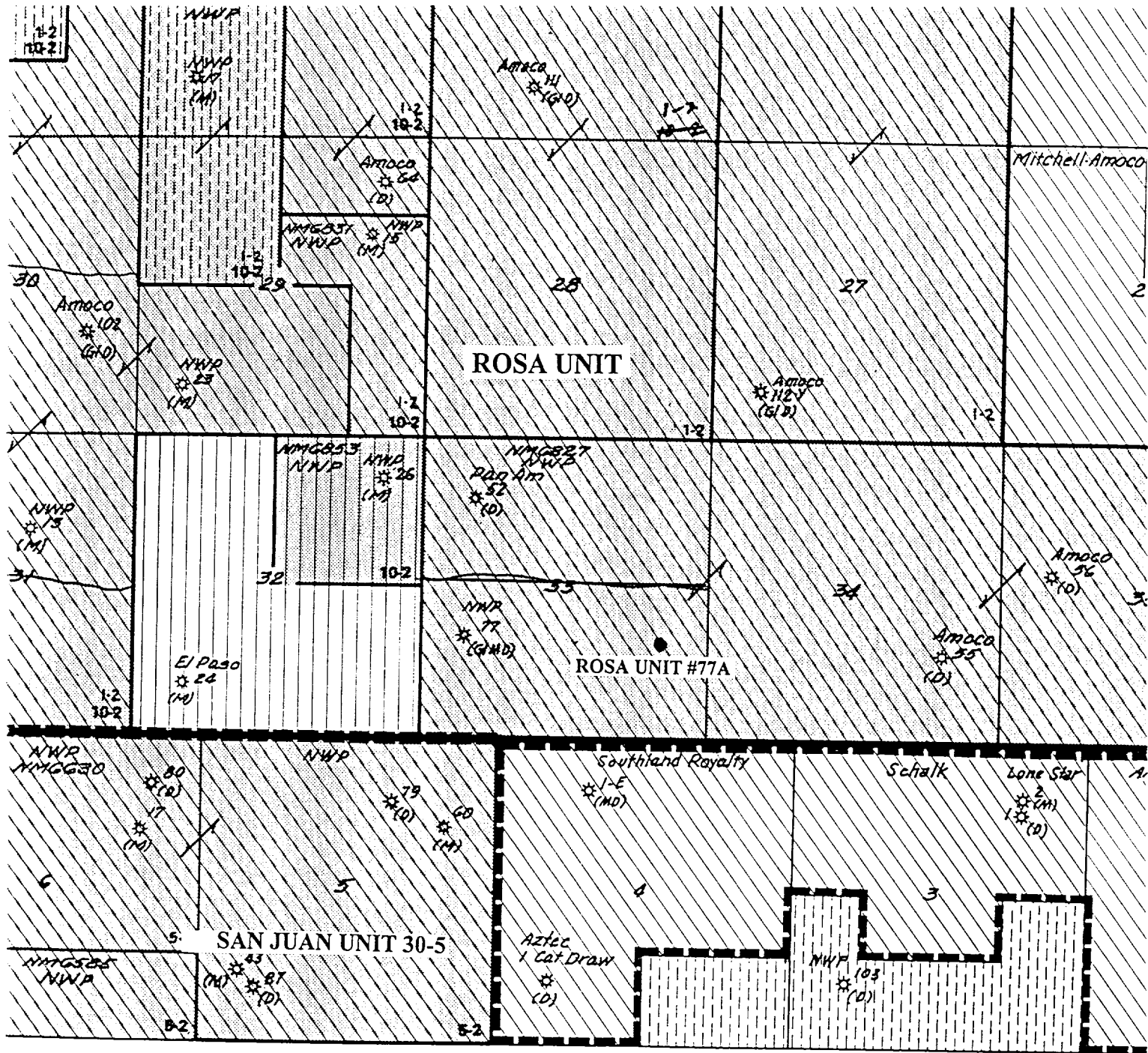
Operator: Williams Production Company, P.O. Box 3102, MS-37-3, Tulsa, OK 74101

2. LEASE: SAN JUAN UNIT 30-5

Operator: Phillips Petroleum Company, 5525 hwy, 64 BBY 3004, Farmington, NM 87401

3. LEASE: SECTION 4-30N-5W NOT A PART OF A UNIT

Operator: Meridian Oil Inc., P.O. Box 4289, Farmington, NM 87499-4289



COUNTY: **Rio Arriba** STATE: **New Mexico**

FINAL
Schlumberger

Location: 1575 FSL & 1170 FEL			
Well: Rosa Unit No. 77A			
Company: Northwest Pipeline Corporation			
LOCATION			
Permanent Datum: Log Measured From: Drilling Measured From:		Ground Level: Kelly Bushing:	
API Serial No. N/A		SECTION 33	TOWNSHIP 31N
		RANGE 05W	
		Elev.: 6500 F. 12.0 F. above Perm. Datum	
		Elev.: K.B. 6515 F. G.L. 6500 F. D.F. 6514 F.	
Schlumberger		FINAL COMPENSATED NEUTRON- FORMATION DENSITY	

ing Date	23-JUN-1995	Two	28-JUN-1995
Number	One	8230 F	8230 F
th Driller	3795 F	8234 F	8234 F
umber Depth	3799 F	8230 F	8230 F
om Log Interval	3759 F	5000 F	5000 F
Log Interval	2700 F	17075 IN	7 623 IN
ing Driller Size @ Depth	10750 IN	300 F	3795 F
ing Schlumberger	327 F	9 875 IN	3794 F
Size	9 875 IN	6 750 IN	6 750 IN
e Fluid in Hole	9 875 IN	6 750 IN	6 750 IN
Viscosity	9 2 LB/C	65 S	65 S
al Loss	P11		
ice Of Sample	Tank		
(a) Measured Temperature	3 320 CHMM	(a) 68 DEGF	(a) 68 DEGF
(a) Measured Temperature	2 400 CHMM	(a) 69 DEGF	(a) 69 DEGF
(a) Measured Temperature	4 960 CHMM	(a) 68 DEGF	(a) 68 DEGF
ice FIMF	Meas	Calc	
(a) MIT	1 974	(a) 119	(a) 119
(a) MIT	1 197	(a) 119	(a) 119
imum Recorded Temperatures	119 DEGF	119	119
ation Stopped	23-JUN-1995	19 45	19 45
ig On Bottom	23-JUN-1995	23:30	23:30
Number	2017	Farmingfor	2017
anded By	K. Baerengen		Preziop
anded By	J. Brucher		J. Brucher

