

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

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

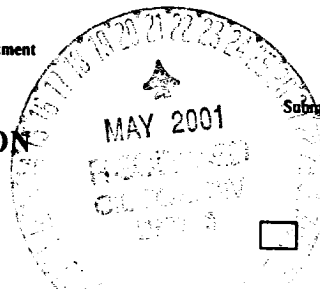
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
PO BOX 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies



☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Williams Production Company c/o Walsh Engineering 7415 East Main Street Farmington, New Mexico 87402		² OGRID Number 120782
		³ API Number 30 - 0
⁴ Property Code 17033	⁵ Property Name Rosa Unit	⁶ Well No. 24B

⁷ Surface Location

UL or lot no. N	Section 32	Township 31N	Range 5W	Lot Idn	Feet from the 860'	North/South Line South	Feet from the 1965'	East/West Line West	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	------------------------	------------------------	----------------------

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
⁹ Proposed Pool 1 Blanco Mesaverde					¹⁰ Proposed Pool 2 Basin Dakota				

¹¹ Work Type Code N	¹² Well Type Code M	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6518' GR
¹⁶ Multiple Yes	¹⁷ Proposed Depth 8195'	¹⁸ Formation Mesaverde/Dakota	¹⁹ Contractor AWS	²⁰ Spud Date July 1, 2001

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4"	10-3/4"	32.75# H-40	+/- 250	165 sx (225 cu.ft.)	Surface
9-7/8"	7-5/8"	26.40# K-55	+/- 3805'	875 sx (1635 cu.ft.)	Surface
6-3/4"	5-1/2"	17.0# N-80	+/- 8195'	395 sx (562 cu.ft.)	3600'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

'Williams Production Company proposes to drill and complete the Rosa Unit 24B as a Mesaverde/Dakota dual well as per the attached drilling and completion procedure. The well is currently permitted as a stand alone Mesaverde well.

Attached: New plat showing Mesaverde/Dakota, drilling procedure w/ blowout prevention program

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed name: John C. Thompson

Title: Engineer/Agent for Williams

Date:
05/16/01

Phone:
505-327-4892

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: MAY 21 2001

Expiration Date: MAY 21 2002

Conditions of Approval

Attached ☐

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code 72319 / 71599		Pool Name Blanco Mesaverde / Basin Dakota	
Property Code 17033		Property Name ROSA UNIT			Well Number 248
GRID No. 120782		Operator Name WILLIAMS PRODUCTION COMPANY			Elevation 6518'

¹⁰ Surface Location

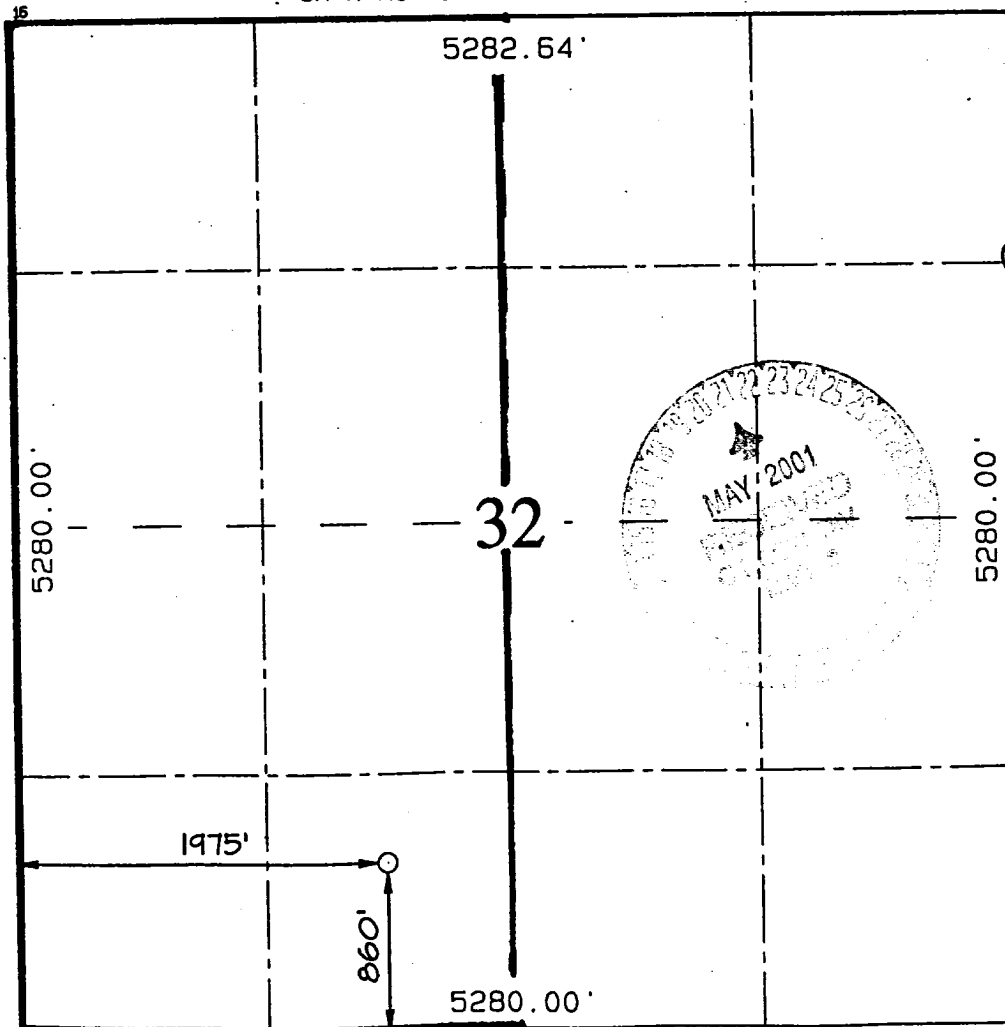
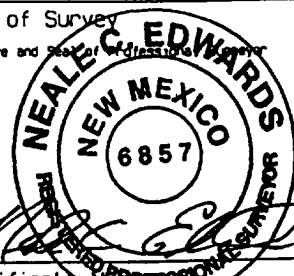
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	32	31N	5W		860	SOUTH	1975	WEST	RIO ARriba

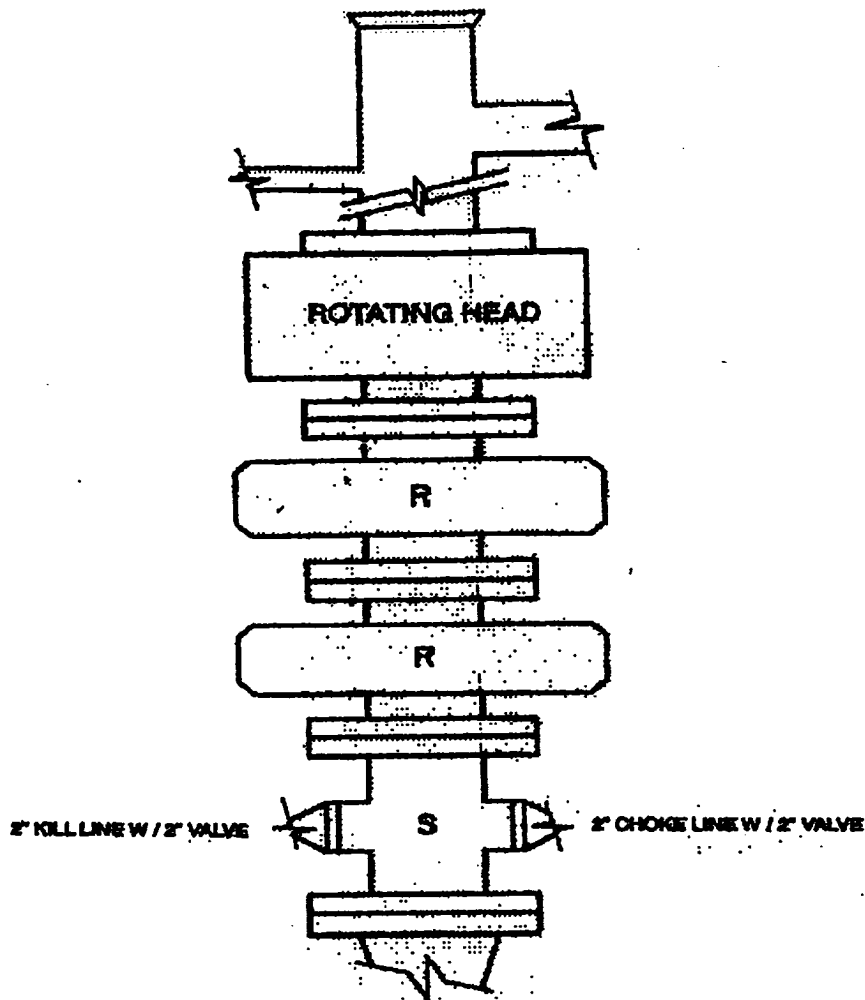
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320 - W/2	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
--	------------------------------------	---------------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Steve Nelson</i> Signature</p> <p>Steve Nelson Printed Name</p> <p>Agent, Nelson Consulting Title</p> <p>April 2, 2001 Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>DECEMBER 7, 2000 Date of Survey</p> <p><i>Neale C. Edwards</i> Signature and Seal of Professional Surveyor</p> <p></p> <p>Certificate No. 6857</p>



2M – BOP ARRANGEMENT

2M SYSTEM:

- Annular preventer or double ram or two rams with one being blind and one being a pipe ram
- Kill line (2 inch minimum)
- 1 kill line valve (2 inch minimum)
- 1 choke line valve
- 2 chokes (refer to diagram)
- Upper kelly cock valve with handle available
- Safety valve and subs to fit all drill strings in use
- Pressure gauge on choke manifold
- 2 inch minimum choke line
- Fill-up line above uppermost preventer

Anticipated reservoir pressure is expected to be less than 1300 psi on all encountered zones.

All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The pipe and blind rams will be activated and checked for operational readiness each trip. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with changeovers for each tool joint in the string and choke manifold all rated to 2000 psi