

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-101
 Revised October 18, 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 P.O. Box 3102, MS 37-2 Tulsa, OK 74101		² OGRID Number 120782
		³ API Number 30.039-26630
⁴ Property Code 17033	⁵ Property Name Rosa Unit	⁶ Well No. 24B

⁷ 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

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 Blanco - Mesa Verde					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6518' GR
¹⁶ Multiple No	¹⁷ Proposed Depth 6230' KB	¹⁸ Formation Blanco - Mesa Verde	¹⁹ Contractor Aztec Well Service	²⁰ Spud Date April 1, 2001

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36# K-55	250' KB	130 sx (181 cuft)	Surface
8-3/4"	7"	20# K-55	3805' KB	620 sx (1144cuft)	Surface
6-1/4"	4-1/2"	10.5# K-55	3705' - 6230' KB	270 sx (389 cuft)	Top of Liner

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 Exploration & Production proposes to drill a vertical well with an 12-1/4" hole with water & benex to approx. 250' KB and set 9-5/8" 36# K55 surface casing, cement to surface with 130 sx of Class Type III, 2% CaCl2 (181 cu ft), then drill 8-3/4" hole to 3805' KB, set 7" K-55 casing. Cement Lead with 435 sx (888 cu ft) of Type III 65/35 Poz with 8% gel + 1% CaCl2; Cement Tail with 185 sx (256 cuft) of class Type III + 1% CaCl2. Drill 6-1/4" hole to 6218'KB, set 4-1/2" K-55 casing, set production liner, cement Lead with 80 sx (116 Cuft) of Class H + 50/50 poz, cement Tail with 190 sx (273 cu ft) of Class-H 50/50 poz + 4% gel + 0.4% FL-5. Run cased hole log (TMDL). While drill pipe in use run not less than one BOP test per day. Set 9-5/8" 36# K-55 production casing from 250' KB to surface, set 7", 20# K-55 casing from 250'KB to 3758"KB, and set 4-1/2" 10.5# K-55 casing from 3658"KB to 6218"KB. The 125% excess should circulate cement to surface. WOC 12 hours. Run cement bond log across all intervals to be perforated & find Top of Cement behind all casing strings. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes. Mesa Verde: run 2-3/8", 4.7#, J-55 EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above bottom Point Lookout perforation. Will test Mesa Verde through perforated casing. Will fracture stimulate and put on for production test. Surface ownership is State of NM. Surface State procedures. Formation tops: Ojo Alamo- 2620', Kirtland-2745', Fruitland-3055', Pictured Cliffs 3330', Lewis 3625', Cliff House 5495', Menefee 5550', Point Lookout 5780', Mancos 6085', TD 6230', all KB.

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

Signature: *Steve Nelson*

Printed name: Steve Nelson

Title: Agent, Nelson Consulting, Inc.

Date: January 8, 2001

Phone: 505-327-6331

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 03

Approval Date: JAN 10 2001

Expiration Date: JAN 10 2002

Conditions of Approval:
 Attached

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30039-26630		² Pool Code 72319 -		³ Pool Name Blanco Mesaverde -	
⁴ Property Code 17033		⁵ Property Name ROSA UNIT			⁶ Well Number 24B
⁷ GRID No. 120782		⁸ Operator Name WILLIAMS PRODUCTION COMPANY			⁹ 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

¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Steve Nelson
Signature
Steve Nelson
Printed Name
Agent, Nelson Consulting
Title
January 8, 2001
Date

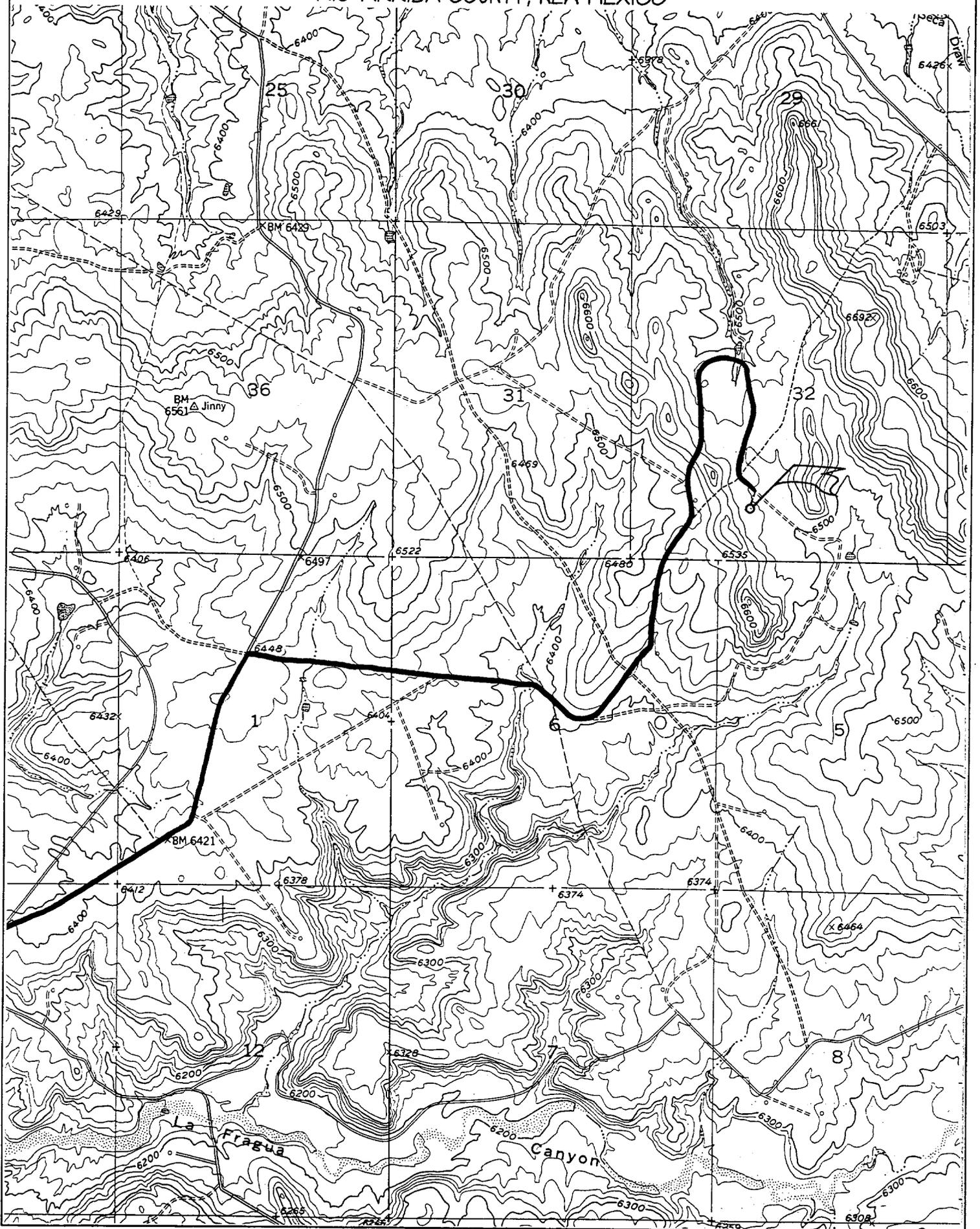
¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

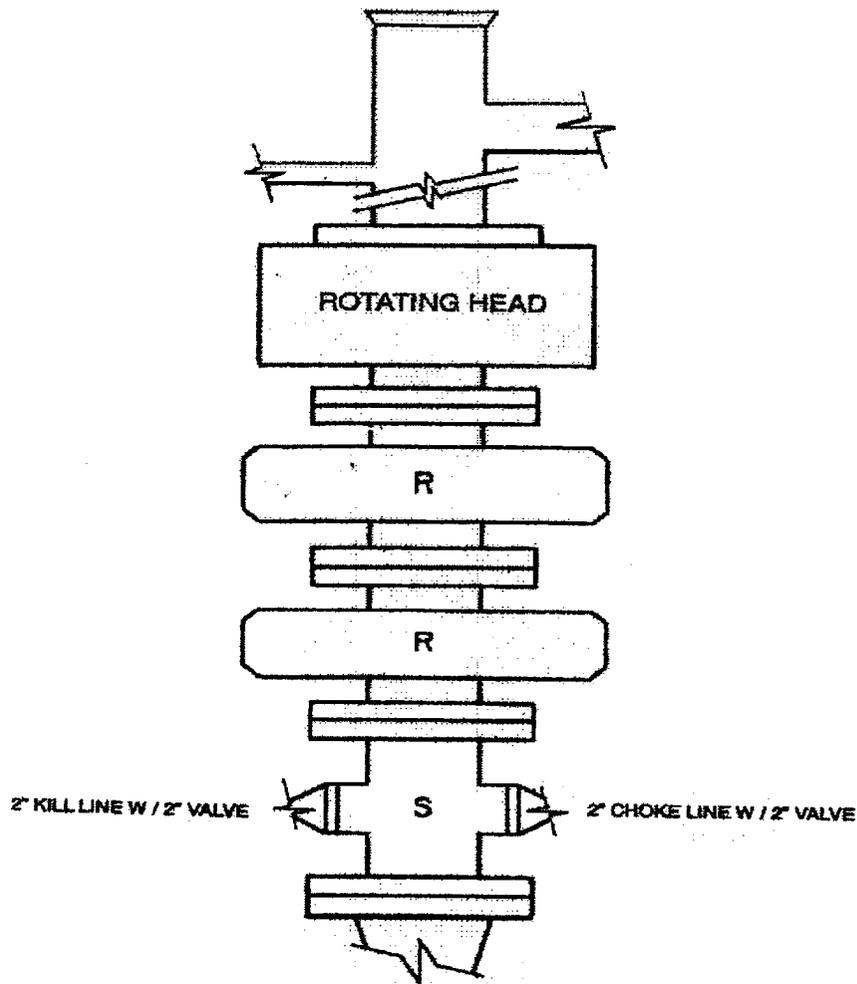
DECEMBER 7, 2000
Date of Survey
Signature and Seal of Professional Surveyor

Certificate No. 6857

WILLIAMS PRODUCTION COMPANY ROSA UNIT #24B

860' FSL & 1975' FWL, SECTION 32, T31N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





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