

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROW/APD

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒DEEPEN ☐

b. Type of Well

Oil Well ☐ Gas Well ☒ Other ☐Single Well ☒Multiple Zone ☐

2. Name of Operator

Williams Production Company

3. Address and Telephone No.

P.O. Box 3102, MS 37-2, Tulsa, OK. 74101

4. Location of Well (Footages)

At Surface

1520' FSL 1250' FEL, NESE

proposed prod. zone

5. Lease Designation and Serial No.
SF-078773

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Rosa Unit

8. Well Name and No.

RU-# 184

9. API Well No.

30-039-26383

10. Field and Pool, or Exploratory Area

Blanco - MV -

11. Sec., T., R., M., or BLK.
and Survey or Area

I Section 34, T31N, R5W

12. County or Parish

Rio Arriba -

13. State

NM

14. Distance in Miles and Directions from Nearest Town or Post Office

22.0 miles east Navajo Dam Post Office (straight line)

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 1250'

16. No. of Acres in Lease

1920 acres

17. No. of Acres Assigned to This Well

320 acres E/2

18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT

232'

19. Proposed Depth

6306' KB -

20. Rotary or Cable Tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc)

6579' GR -

22. Approximate Date Work will Start

April 1, 2000

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	250'	125 sx-176 cu ft Type III
8-3/4"	7"	20#	3911'	445 sx-933 cu ft Lite 175 sx-242 Cu ft-Type III
6-1/4"	4-1/2"	10.5#	3811' - 6306' -	80 sx-114-cuft 185 sx-270cuft Poz/Class H 50/50

Williams Exploration & Production proposes to drill a vertical well to develop the Mesa Verde Formation at the above described location, in accordance with the attached Operation and Surface Use plans. **The surface is under the jurisdiction of the U.S. Forest Service, Carson National Forest, Jicarilla District Office.** Moore Anthropological Research of Aztec, NM, has surveyed the proposed location for Cultural Resources. The report has been submitted to your office for review.

This APD also is serving as an application to obtain BLM road and pipeline rights-of-way. This well will not require a new access road (see Pipeline & Well Plats #3 and #4). The access road will utilize an existing access road for the Rosa Unit Well #55. The proposed 232-foot long pipeline would tie into the Williams Gathering System on the Rosa Unit Well #55 (see the attached Pipeline Plat Map # 4). This proposed well would twin with the Rosa Unit Well #55.

This action is subject to initial and procedural review pursuant to 43 CFR 3100.3 and appeal pursuant to 43 CFR 3100.4.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

I hereby certify that the proposed program is correct. If proposal to deepen, give present productive zone and proposed new productive zone.
Signed Steve Nelson Title Agent

COPIES: BLM+4, WELL FILE+1
Date February 18, 2000

(This space for Federal or State office use)

Permit No. _____

Approval Date _____

Application approval does not warrant or certify that applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any:

Jim Lovato

MAJOD

JUN 21 2000

APPROVED BY: _____

TITLE _____

DATE _____

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

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

District III
300 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 30-039-26383		*Pool Code 72319-	*Pool Name Blanco - MV
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 184
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6579'

10 Surface Location

U. or lot no. I	Section 34	Township 31N	Range 5W	Lot Idn	Feet from the 1520	North/South line SOUTH	Feet from the 1250	East/West line EAST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

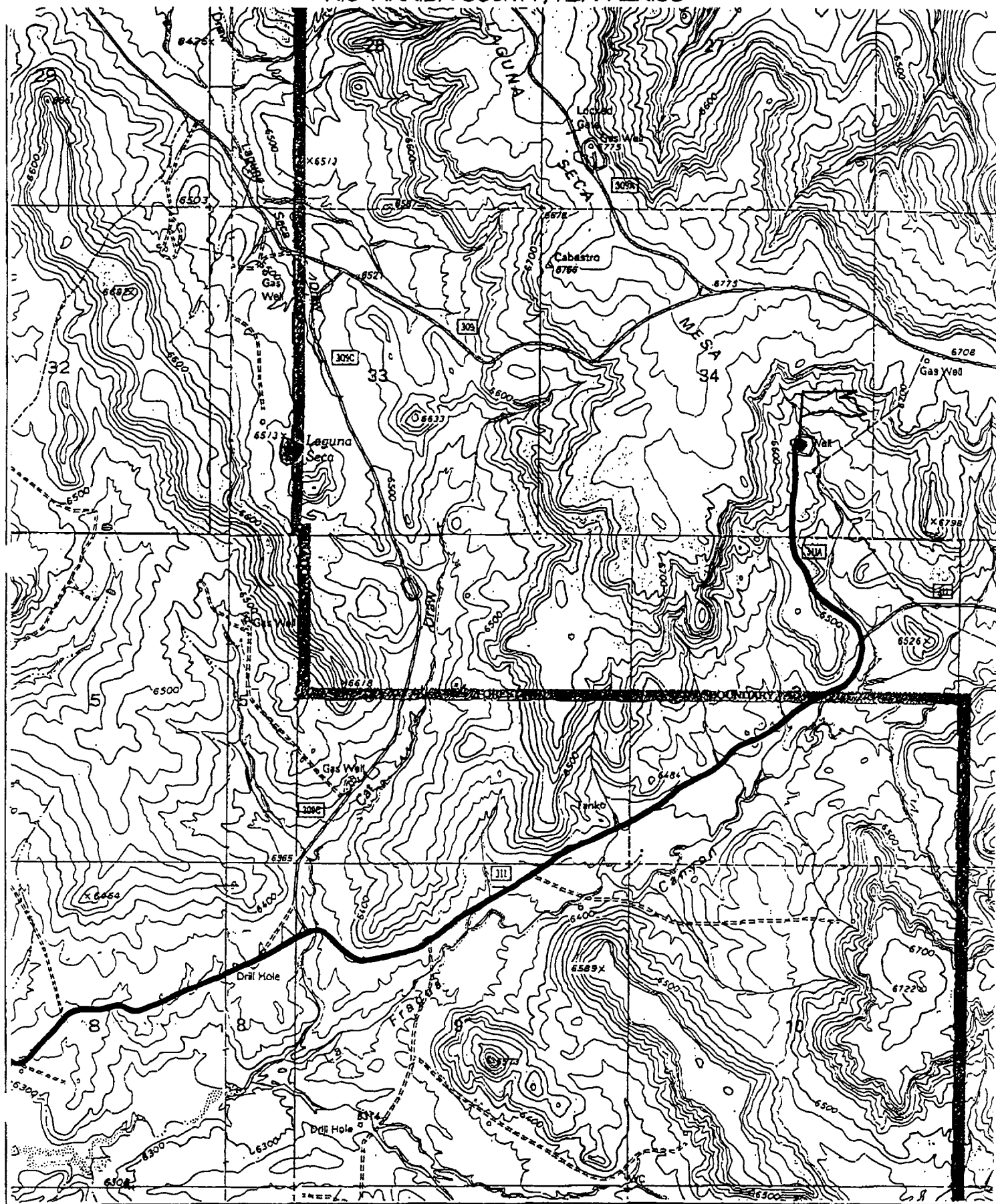
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320 - E/2		13 Joint or Infill I		14 Consolidation Code U		15 Order No.			

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

16	5277.36'	34	5280.00'	5280.00'	1250'	1520'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Steve Nelson</u> Printed Name <u>Steve Nelson</u> Agent, Nelson Consulting Title Date <u>February 18, 2000</u>

WILLIAMS PRODUCTION COMPANY ROSA UNIT #184

1520' FSL & 1250' FEL, SECTION 34, T31N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO





WILLIAMS PRODUCTION COMPANY
OPERATIONS PLAN

DATE: 2/08/00

WELLNAME: ROSA UNIT #184 **FIELD** Blanco MV

SURFACE LOCATION: NE/4 SE/4 Sec. 34, T31N, R05W **SURFACE:** Forest
Rio Arriba, NM

ELEVATION: 6579" GR **MINERALS:** Federal

TOTAL DEPTH: 6306' **LEASE #** SF-078773

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Ojo Alamo	2666'	Cliff House	5601'
Kirtland	2846'	Menefee	5651'
Fruitland	3206'	Point Lookout	5856'
Pictured Cliffs	3436'	Mancos	6151'
Lewis	3711'	Total Depth	6306'

B. LOGGING PROGRAM: 8-3/4" IND/GR/Temp log from TD to surface. CDL interval selected by onsite geologist. 6-1/4" IND/GR/Temp log from TD to Intermediate TD. CDL interval selected by onsite geologist.

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe.

B. BOP TESTING: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

<u>CASING TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	12-1/4"	250'	9-5/8"	36# K-55
Intermediate	8-3/4"	3911'	7"	20# K-55
Prod. Liner	6-1/4"	3811'-6306'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. **SURFACE CASING:** 9-5/8" notched regular pattern guide shoe.