

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

855' FNL 1040' FEL, NENE

proposed prod. zone

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

Approximately 29.1 miles east of Navajo Dam Post Office (straight line)

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 855'

16. No. of Acres in Lease

1920 acres

17. No. of Acres Assigned to This Well

160. acres, NE

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

190'

19. Proposed Depth

3414' KB

20. Rotary or Cable Tools

Rotary

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

6857' GR

22. Approximate Date Work will Start

April 1, 2000

5. Lease Designation and Serial No.
SF-078793 893

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.

RU-#513

9. API Well No.

30-039-26411

10. Field and Pool, or Explanatory Area

Ojo Alamo

W 231N 4W 23.7

11. Sec., T., R., M., or BLK.

and Survey or Area

Section 23, T31N, R4W

12. County or Parish

Rio Arriba

13. State

NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7-5/8" 26.4	20#	300'	105 sx-145 cu ft Type III
6-3/4"	5-1/2"	17#	3414'	295 sx-570 cu ft Lite HS 65/35 Type III Poz

Williams Exploration & Production proposes to drill a vertical well to develop the Blanco Ojo Formation in the described location above, and 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. Independent Contract Archaeology has surveyed the proposed location for Cultural Resources, and the report has been submitted to the Forest Service for review.

This well would utilize an existing access road for the Evergreen Rosa Unit Well #84 and would not require a new access road (see Pipeline & Well Plats #3 and #4). The proposed 190-foot long pipeline would tie into ANGI Gathering System on the Evergreen Rosa Unit Well #35X (see the attached Pipeline Plat Map # 4).

This action is subject to technical and procedural review pursuant to 43 CFR 3105.3 and appeal pursuant to 43 CFR 3105.4.

COPIES OF THIS PERMIT AND ATTACHED ARE TO BE MAINTAINED WITH ATTACHED "GENERAL WELL PLAT MAPS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal to deepen, give present productive zone and proposed new productive zone.

COPIES: BLM-4, WELL FILE-1

24. I hereby certify that the foregoing is true and correct

Signed

Steve Nelson

Title Agent

Date March 20, 2000

(This space for Federal or State office use)

Permit No.

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:

APPROVED BY:

TITLE

DATE 5/5/00

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

District II
PO 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 & 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

200 MAR 21 AM 10:22 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26411		*Pool Code 96956	*Pool Name W/L 31N4W23; Ojo Alamo
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 513
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6857

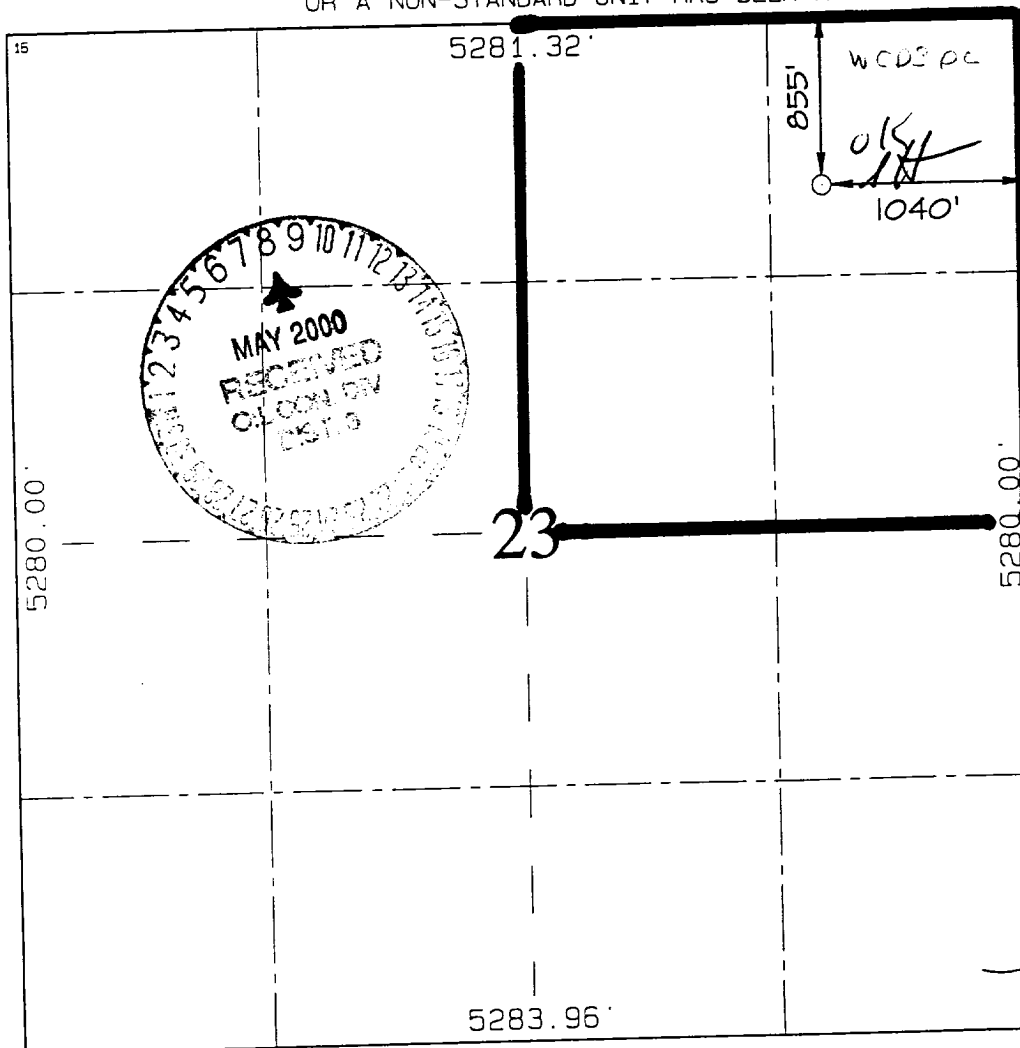
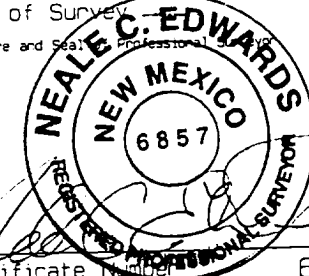
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	31N	4W		855	NORTH	1040	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

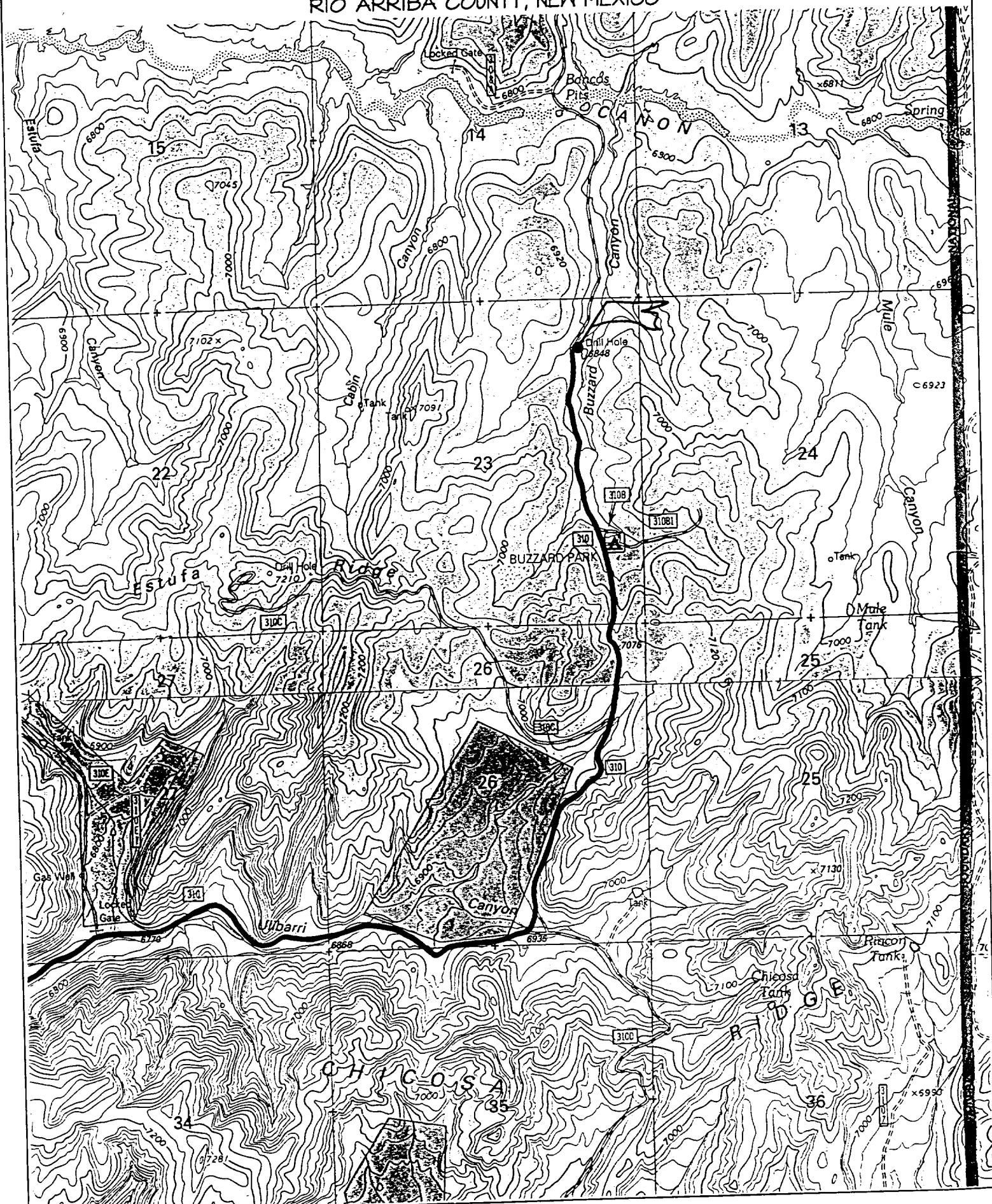
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160 NE		13 Joint or Infill NE		14 Consolidation Code U		15 Order No.			

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 Steve Nelson Printed Name Agent, Nelson Consulting Title March 20, 2000 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>JANUARY 4, 2000 Date of Survey NEALE C. EDWARDS Signature and Seal  Certificate Number 6857</p>

WILLIAMS PRODUCTION COMPANY ROSA UNIT #513

855' FNL & 1040' FEL, SECTION 23, T31N, R4W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO



WILLIAMS PRODUCTION COMPANY
OPERATIONS PLAN

DATE: Revised 4/25/2000

<u>WELLNAME:</u>	ROSA #513	<u>FIELD:</u>	Blanco Ojo
<u>LOCATION:</u>	NE/4 NE/4 Sec. 23, T31N, R4W Rio Arriba Co, NM	<u>SURFACE:</u>	Carson National Forest
<u>ELEVATION:</u>	6857' GR	<u>MINERALS:</u>	Federal
<u>TOTAL DEPTH:</u>	3414'	<u>LEASE #</u>	SF-078793

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS: (KB)

Nacimiento	2034'	Kirtland	3314'
Ojo Alamo	3164'	Total Depth	3414'

B. LOGGING PROGRAM: IND/GR, CDL/SNL. Log the Ojo Alamo from TD to surface pipe.

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. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses.

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	9-7/8"	300'	7-5/8"	26.4# K-55
Production	6-3/4"	3414'	5-1/2"	17# K-55

B. FLOAT EQUIPMENT:

1. **SURFACE CASING:** 7-5/8" notched regular pattern guide shoe.

2. **PRODUCTION CASING:** 5-1/2" cement nose guide shoe with a self- fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 2975' to the surface. Total centralizers = 5 regular and 24 turbulent.