

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.
SF-078893

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #500

9. API Well No.
30-039-26165

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State
RIO ARRIBA, NM

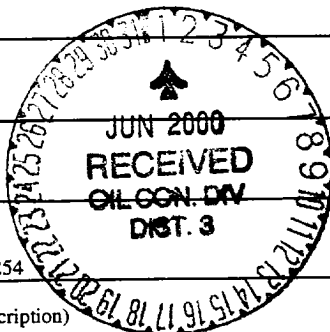
SUBMIT IN TRIPPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL & 970' FWL, NW/4 NW/4, SEC 23-T31N-R04W



CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
☒ Other Complete Fruitland Coal

Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Williams Production Company proposes to deepen this Ojo Alamo test to the Fruitland coal and cavitate the coal per the attached procedure. Estimated start date is 06/14/2000. This well was originally drilled to a depth of 3605' (per logs) on 9/14/99 to test the Ojo Alamo. Open hole logs indicated no gas response and the well was not completed

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

Signed Tracy Ross
TRACY ROSS

Title Production Analyst Date May 23, 2000

(This space for Federal or State office use)

Approved by /s/ Jim Lovato

Title _____

Date MAY 31 2000

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

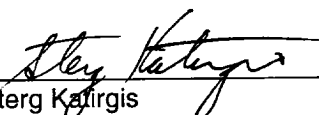
5/23/00

WILLIAMS PRODUCTION COMPANY
CAVITATION PROGNOSIS
ROSA 500

Purpose: To deepen this Ojo Alamo test to the Fruitland and cavitate the Fruitland Coal zone.

1. Build pit and line. Check rig anchors
2. Notify BLM 24 hours to moving in.
3. MIRUSU. Nipple up pneumatic actuated BOP's, 2 blooie lines, pneumatic working valves and 2 - 7" blooie lines. Anchor blooie lines securely. Test BOP's. Fill rig tank with produced water. Do not filter water unless necessary.
4. Rig up air package.
5. RIH with tubing and and bit to TD and check for fill. TOOH.
6. PU 5-1/2" x 8-1/2" underreamer and underream from 5-1/2" shoe @ 3590' to estimated new TD @ 3702'. TOOH. Use mud logger to determine top of Pictured Cliffs.
- CAVITATE
7. Run 5 to 10 bbl sweeps using 1 GPD soap if necessary.
8. PU bit inside 5-1/2" casing. Pressure up hole to MAXIMUM. Then open to atmosphere. Repeatedly surge well. SI for buildup after surging about 5 times.

Record any breaks. Record accurate buildup pressure and choke volumes after each cycle. Repeat until gas production no longer increases, 2 – 3 weeks.
9. TOOH w/ bit and 2-7/8" DP.
Order out 4" flush joint casing.
10. Notify Dante Vescovi with TIW to run liner.
PU 4" liner; bottom 3 joints pre perfed and plugged, on DP. Run in with JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner @ new TD with $\pm 75'$ overlap in 5-1/2" casing. TOOH w/ DP and LD.
11. TIH w/ mill on DP and mill out plugs. TOOH.
12. TIH w/ 2-3/8", 4.7#, J-55, 8rd, EUE tbg and land tubing. Notched collar on bottom and SN 1 jt up.
13. ND BOP and NU wellhead. Shut well in for buildup.
14. Clean up location and release rig.


Sterg Katirgis
Senior Engineer

04/06/99

08:45

NU.0880

006

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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26165		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code	*Property Name ROSA UNIT		*Well Number 500
*OGRID No.	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6849'

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
0	23	31N	4W		990	NORTH	970	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

*Dedicated Acres 320	*Joint or Infill	*Consolidation Code	*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

	<h3>17 OPERATOR CERTIFICATION</h3> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Lance Hobbs</i> Signature</p> <p>Lance Hobbs Printed Name</p> <p>Drilling & Production Engineer Title</p> <p>March 14, 2000 Date</p>
	<h3>18 SURVEYOR CERTIFICATION</h3> <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>MARCH 31, 1999 Date of Survey</p> <p><i>NEALE C. EDWARDS</i> Signature and Seal of Professional Surveyor</p> <p>NEALE C. EDWARDS NEW MEXICO 6857 Professional Surveyor</p> <p>Certificate Number 6857</p>

ROSA UNIT #500
OJO ALAMO

Spud 9/6/99

Location:

990' FNL and 970' FWL
NW/4 NW/4 Sec 23D, T31N R4W
Rio Arriba, New Mexico
Elevation: 6844' GR

<u>Top</u>	<u>Depth</u>
Ojo Alamo SS	3058'
Kirtland SH	3276'
Fruitland FM	3567'
Top of Coal	3630'
Bottom of Coal	3701'
Pictured Cliffs SS	3702'
TD	3705'

12 jts 8-5/8", 24#, K-55, ST&C csg @ 527'

87 jts 5-1/2", 15.5#, K-55, LT&C @ 3591'

TD 3605'

Hole Size	Casing	Cement	Top of CMT
12-1/4"	8-5/8", 24#	350 sx	Surface
7-7/8"	5-1/2", 15.5#	435 sx	Surface



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 5, 2000

**Williams Production Company
P. O. Box 3102
Tulsa, Oklahoma 74101
Attention: Lance A. Hobbs**

Administrative Order NSL-4444

Dear Mr. Hobbs:

Reference is made to the following: (i) your application dated March 14, 2000; (ii) the New Mexico Oil Conservation Division's ("Division") initial response by letter dated March 22, 2000 from Mr. Michael E. Stogner, Chief Hearing Officer/Engineer in Santa Fe; (iii) your response by letter dated March 29, 2000 with the requested data; and (iv) the records of the Division in Aztec and Santa Fe: all concerning Williams Production Company's request for an off-pattern non-standard Basin-Fruitland coal gas well location for the existing Rosa Unit Well No. 500 (API No. 30-039-26165), located 990 feet from the North line and 970 feet from the West line (Unit D) of Section 23, Township 31 North, Range 4 West, NMPM, Basin-Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico.

The W/2 of Section 23 is to be dedicated to this well in order to form a standard 320-acre stand-up gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool.

By the authority granted me under the provisions of Rule 8 of the "*Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool*," as promulgated by Division Order No. R-8768, as amended, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
U. S. Forest Service - Bloomfield