

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078764	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY OGRID 120782		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 (505) 327-4892		8. FARM OR LEASE NAME, WELL NO. Rosa Unit #17A (008480) 17033	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 790' FSL & 1450' FEL At proposed prod. zone Same		9. AN WELL NO. 30-039-25576 ✓	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles NE of Blanco, NM		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde 72319	
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 790		11. SEC., T., R., M., OR R.L.K. AND SURVEY OR AREA 0 Sec. 20, T31N, R5W ✓	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2000' 6155		12. COUNTY OR PARISH 13. STATE Rio Arriba NM	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6412' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 ✓	
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary	
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.		22. APPROX. DATE WORK WILL START May 1996	

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", K-55	36.0	250 320	157 cuft Cl "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3735	900 cuft 65/35 Poz, 176 cuft Cl
6-1/4"	4-1/2", K-55	10.5	3635-6155	413 cuft Cl "B" w/4% gel & additives

WILLIAMS PRODUCTION COMPANY proposes to drill a vertical well to develop the Mesa Verde formation at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by CRMC. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of way. This well will be accessed by a new road approximately 1300' long which crosses the SW/SE of Section 20, and NE/NE of Section 29, T31N, R5W where it joins an existing road. This road crosses the NW/NE, SW/NE, SE/NW and NW/SW of Section 29, the SE/SE of Section 30, the NE/NE, NW/NE, SW/NE, SE/NW, and SW/NW of Section 31, all of T31N, R5W, and the SE/NE of Section 36, T31N, R6W where it joins the main Rosa Road. The main Rosa Road continues SE for 17 miles where it joins the Sims Mesa Highway.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Paul C. Thompson TITLE Paul C. Thompson, Agent DATE 2/26/96
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would be required to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY

OK

NMOCD

APPROVED
AS AMENDED

MAY 20 1996

DISTRICT MANAGER

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <u>30-039-25576</u>		Pool Code 72319	Pool Name Blanco Mesa Verde
Property Code <u>17033</u> <u>008480</u>	Property Name Rosa Unit		Well Number 17A
OGRID No. 120782	Operator Name Williams Production Co.		Elevation 6412'

10 Surface Location

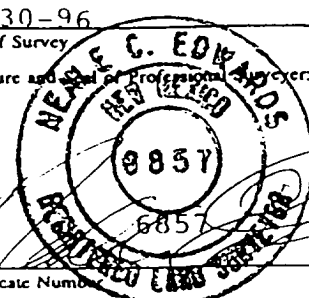
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	20	31N	5 W		790	South	1450	East	R.A.

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres 320	13 Joint or Infill N	14 Consolidation Code U	15 Order No.
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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	5284.62'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <u>Paul C. Thompson</u> Signature Paul C. Thompson, Agent Printed Name President Walsh Engr. & Prod. Corp. Title 2/26/96 Date
	20		
5280.00'		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. 1-30-96 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number	
5280.00'		1450'	
790'			
5280.00'			

<u>DATE:</u>	2/1/96		
<u>WELLNAME:</u>	ROSA UNIT #17A	<u>FIELD:</u>	Blanco MV
<u>LOCATION:</u>	SW/4 SE/4 Sec.20, T31N, R5W San Juan Co., NM	<u>SURFACE:</u>	BLM
<u>ELEVATION:</u>	6406' GR	<u>MINERALS:</u>	Federal
<u>TOTAL DEPTH:</u>	6155'	<u>LEASE #</u>	SF-078764

A. FORMATION TOPS:

Ojo Alamo	2568'	Cliff House	5493'
Kirtland	2678'	Menefee	5538'
Fruitland	3103'	Point Lookout	5753'
Pictured Cliffs	3308'	Mancos	5923'
Lewis	3588'	Total Depth	6155'

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

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.

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"	3735'	7"	20# K-55
Prod. Liner	6-1/4"	3635'-6155'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. **SURFACE CASING:** 9-5/8" notched regular pattern guide shoe.
2. **INTERMEDIATE CASING:** 7" 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 2568 to the surface. Total centralizers = 5 regular and 19 turbulent.
3. **PRODUCTION CASING:** 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' joint. Place 20' marker joint above 5493'.

WILLIAMS PRODUCTION COMPANY
 Rosa Unit #17A
 1050' FSL & 1850' FEL
 Section 20, T31N, R5W
 Rio Arriba County, New Mexico