

Form 3160-3
(December 1990)

RECEIVED
SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

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-078769	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <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 #31 (008486) 17033	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1080'FNL & 1795'FWL At proposed prod. zone Same		9. AN WELL NO. 30-039-25579	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 NE of Blanco, NM		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde 72319	
10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 845		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA C Sec. 17, T31N, R5W	
18. PROPOSED DEPTH 5915		12. COUNTY OR PARISH Rio Arriba	
19. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2500'		13. STATE NM	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6201' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL W/ 320	
22. APPROX. DATE WORK WILL START May 1996		20. ROTARY OR CABLE TOOL Rotary	

23. PROPOSED CASING AND CEMENTING PROGRAM				
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	157cuft Cl "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3490	817cuft 65/35 Poz, 183cuft Cl
6-1/4"	4-1/2", K-55	10.5	3390-5915	414cuft 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. 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 directly from the main Rosa Road. The Rosa Road continues SE for 19 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.

APPROVED
Paul C. Thompson
(This space for Federal or State officer 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 entitle the applicant to operate thereunder.

CONDITIONS OF APPROVAL, IF ANY

NMOCD

APPROVED
AS AMENDED
23
MAY 28 1996
DISTRICT MANAGER

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brueño 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

1 API Number 30-039-25579		2 Pool Code 72319		3 Pool Name BLANCO MESA VERDE	
4 Property Code 008480 17033		5 Property Name Rosa Unit			6 Well Number 31
7 OGRID No. 120782		8 Operator Name Williams Production Co.			9 Elevation 6201'

10 Surface Location

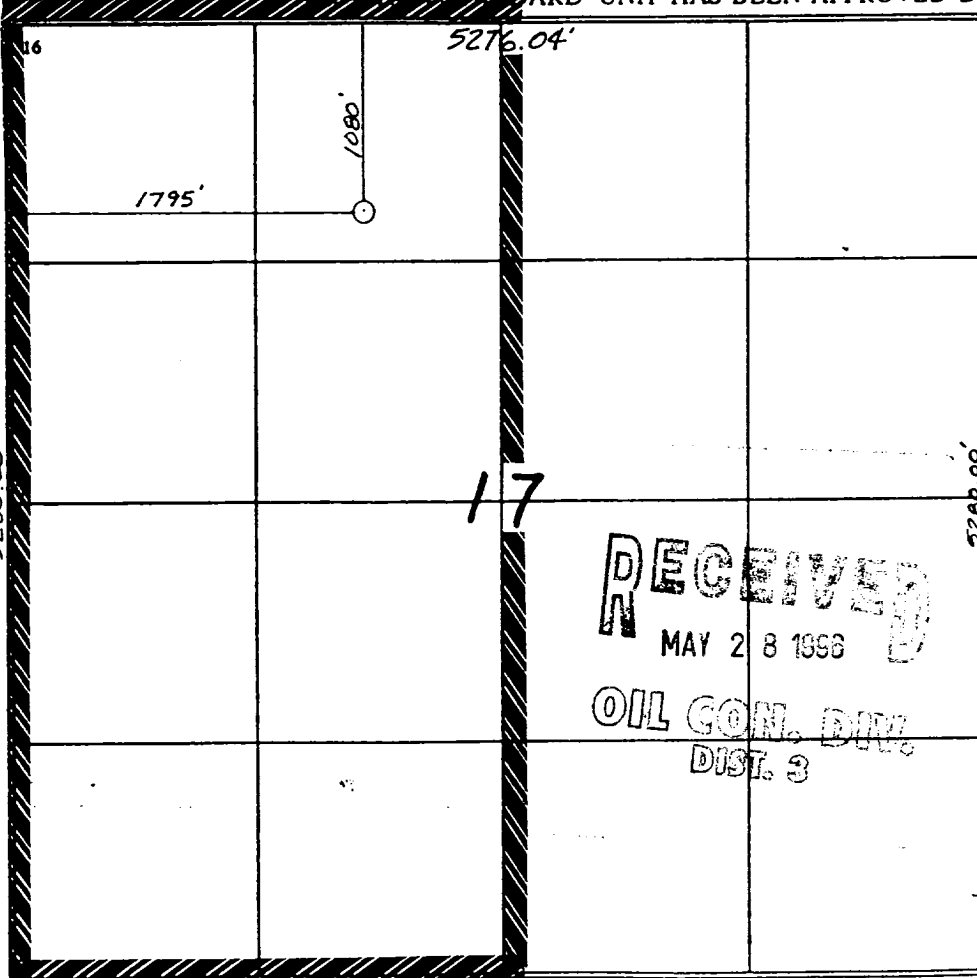
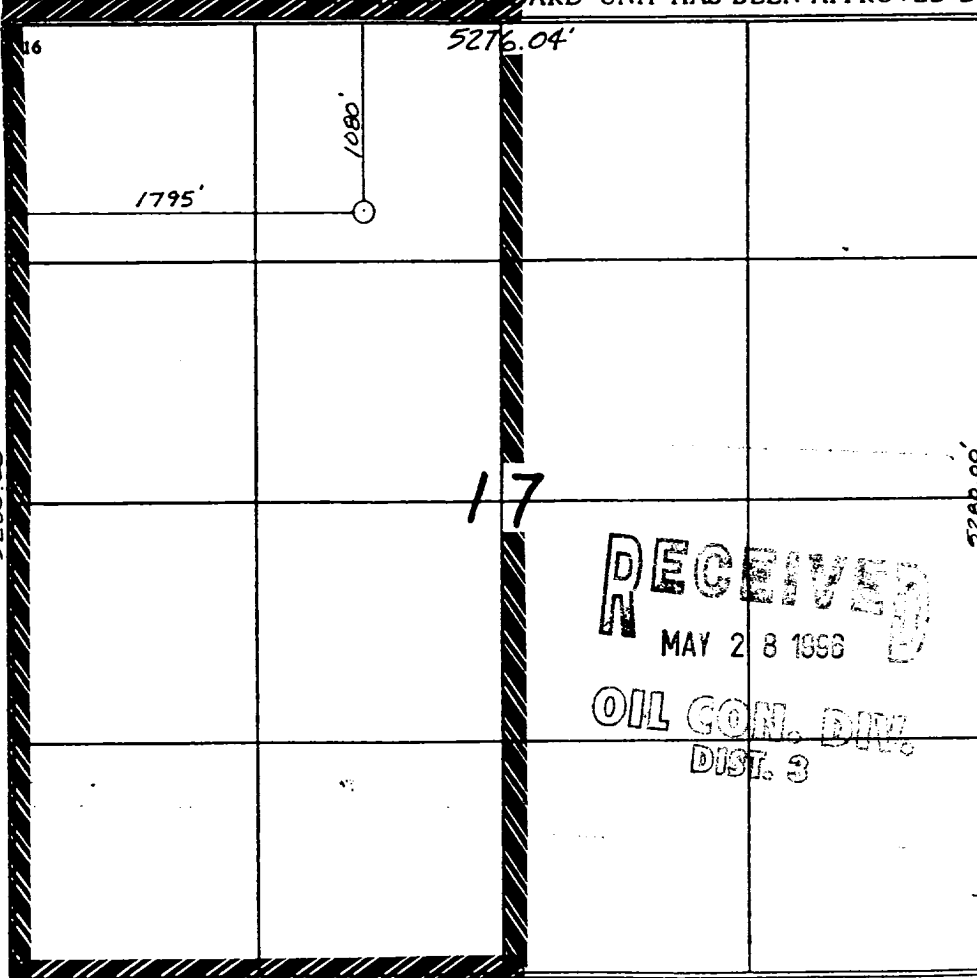
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	17	31 N	5 W		1080	North	1795	West	R.A.

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

		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Paul C. Thompson Signature Paul C. Thompson, Agent Printed Name President Walsh Engr. & Prod. Corp. Title 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. 11/20/95 Date of Survey NEALE C. EDWARDS Signature and Seal of Professional Surveyor 8857 6852 Certificate Number	

RECEIVED
MAY 28 1996
OIL CON. DIV.
DIST. 3

<u>DATE:</u>	2/1/96		
<u>WELLNAME:</u>	ROSA UNIT #31	<u>FIELD:</u>	Blanco MV
<u>LOCATION:</u>	NE/4 NW/4 Sec. 17, T31N, R5W San Juan Co., NM	<u>SURFACE:</u>	BLM
<u>ELEVATION:</u>	6201' GR	<u>MINERALS:</u>	Federal
<u>TOTAL DEPTH:</u>	5915'	<u>LEASE #</u>	SF-078769
<u>I. GEOLOGY:</u>	Surface formation - San Jose		

Ojo Alamo	2318'	Cliff House	5263'
Kirtland	2433'	Menefee	5308'
Fruitland	2828'	Point Lookout	5513'
Pictured Cliffs	3048'	Mancos	5673'
Lewis	3338'	Total Depth	5915'

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

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.

<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"	3490'	7"	20# K-55
Prod. Liner	6-1/4"	3390'-5915'	4-1/2"	10.5# K-55

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 2318' 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 5263'.

