

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078766	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, New Mexico 87402 (505) 327-4892		8. FARM OR LEASE NAME, WELL NO. Rosa Unit #170 17033	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1025' FSL & 1845' FWL Sec. 21, T31N, R6W At proposed prod. zone		9. AM WELL NO. 30-039-25851	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles NE of Blanco, New Mexico		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) 1025'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 21, T31N, R6W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 300'		12. COUNTY OR PARISH Rio Arriba	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6371' GR		13. STATE NM	
16. NO. OF ACRES IN LEASE 2552.71		17. NO. OF ACRES ASSIGNED TO THIS WELL 5/320	
19. PROPOSED DEPTH 6140'		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START* April 1998			

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	500'	157 cuft C1 "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3600'	288 cuft 65/35 Poz, 174 cuft C1 "B"
6-1/4"	4-1/2", K-55	10.5	3500-6140'	402 cuft C1 "B" w/4% gel and additives

This section is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

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 Southwest Archaeological
Services. 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 ROW.
The well is accessed by an existing road. The pipeline ROW will only be 36'
from the edge of the pad to the gathering line. See Plat (4).

RECEIVED
APR 24 1998

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

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 preventer program, if any.

SIGNED Paul C. Thompson DIST. 3 TITLE Paul C. Thompson, Agent DATE 2/6/98

(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 entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

/S/ Duane W. Spencer

NMOC

APR 22 1998

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

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 30-039-25851		*Pool Code 72319	*Pool Name BLANCO MESA VERDE
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 170
*OGRIID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6371'

10 Surface Location

UA or lot no N	Section 21	Township 31N	Range 6W	Lot Idn	Feet from the 1025	North/South line South	Feet from the 1845	East/West line West	County RIO ARriba
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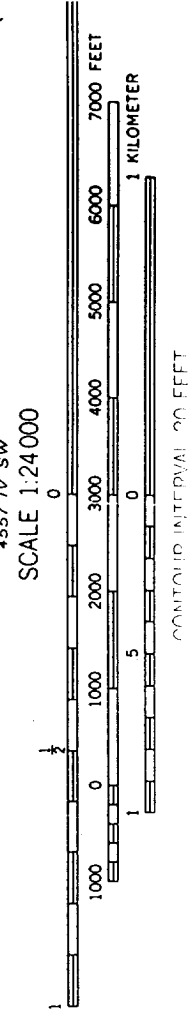
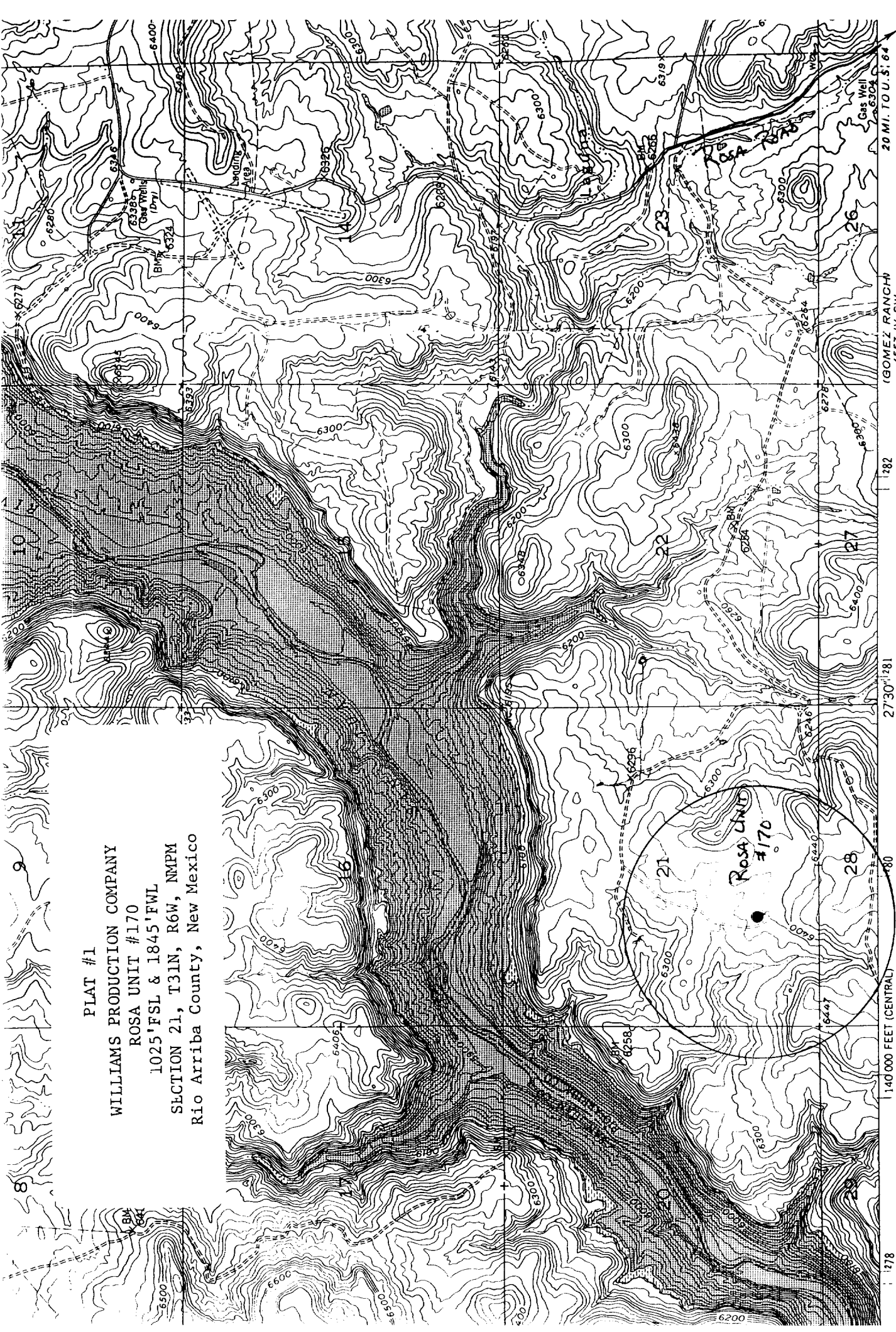
11 Bottom Hole Location If Different From Surface

UA or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 5/320		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	5280.00'	5280.00'	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 Printed Name Agent Title 2/6/98 Date
5280.00'	21	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. NOVEMBER 24, 1997 Date of Survey NEALE C. EDWARDS Signature and Seal of Professional Surveyor 6857 REGISTERED PROFESSIONAL SURVEYOR Certificate Number
1845'	1025'	5276.04'	

PLAT #1
 WILLIAMS PRODUCTION COMPANY
 ROSA UNIT #170
 1025'FSL & 1845'FWL
 SECTION 21, T31N, R6W, NMPM
 Rio Arriba County, New Mexico



and published by the Geological Survey
 and NOS/NOAA
 Photogrammetric methods from aerial photographs
 check 1954
 1997 North American Datum