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MAY 22 1996

Form 3160-3
(December 1990)

OIL CON. DIV.

UNITED STATES

DEPT. OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY OGRID 120782

3. ADDRESS AND TELEPHONE NO.

c/o Walsh Engr. & Prod. Corp.

7415 E. Main Farmington, N.M. 87402

(505) 327-4892

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1250' FNL & 2245' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles NE of Blanco, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)

395

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED TO THIS WELL

W/320

13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2500'

19. PROPOSED DEPTH

6100'

20. ROTARY OR CABLE TOOLS

Rotary

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

6247' GR

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

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	ORANGE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", K-55	36.0	500	313 cuft Cl "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3700	839 cuft 65/35 Poz, 189 cuft Clb
6-1/4"	4-1/2", K-55	10.5	3600-6100	412 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.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

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

"GENERAL REQUIREMENTS"

This APD also is serving as an application to obtain BLM road and pipeline right-of-way. This location will be accessed by a new road approximately 1000' long which crosses the NE/NW and NW/NE of Section 11, T31N, R6W where it joins an existing road. This road continues through the SW/NE, SE/NE, NE/SE and SE/SE of Section 11, T31N, R5W, where it joins the main Rosa Road. The Rosa Road continues SE for 20 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.

24

SIGNED Paul C. Thompson

TITLE Paul C. Thompson, Agent

2/29/96

(This space for Federal or State office use)

APPROVED
AS AMENDED

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

NOAD C-104 For NSL

NMOCD

MAY 20 1996

DISTRICT MANAGER

☐ AMENDED REPORT

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-0		* Pool Code 72719	* Pool Name Blane MV	
* Property Code 17033	* Property Name Rosa Unit			* Well Number 9A
* OGRID No. 120782	* Operator Name Williams Production Co.			* Elevation 6427'

¹⁰ Surface Location

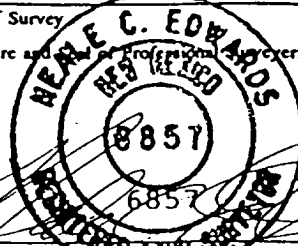
UL or lot no. C	Section 11	Township 31 N	Range 6 W	Lot Idn	Feet from the 1250	North/South line North	Feet from the 2245	East/West line West	County R.A.
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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" Dedicated Acres 320	" Joint or Infill N	" Consolidation Code U	" 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		17 OPERATOR CERTIFICATION	
<div style="position: relative; width: 100%;"> 5289.24' 5280.00' RECEIVED MAY 22 1996 OIL CON. DIV. DIST. 3 </div>		<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <hr/> <p><i>Paul C. Thompson</i> Signature</p> <hr/> <p>Paul C. Thompson (Agent) Printed Name President Walsh Engr. & Prod. Corp. Title</p> <hr/> <p>2/29/96 Date</p>	
<div style="position: relative; width: 100%;"> 5289.24' 5280.00' RECEIVED MAY 22 1996 OIL CON. DIV. DIST. 3 </div>		<p>18 SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plan 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.</i></p> <hr/> <p>1-10-96 Date of Survey</p> <hr/> <p>Signature and Seal of Professional Engineer: <i>HARVE C. EDWARDS</i></p> <div style="text-align: center;">  </div> <hr/> <p>Certificate Number</p>	

<u>DATE:</u>	2/1/96		
<u>WELLNAME:</u>	ROSA UNIT #9A	<u>FIELD:</u>	Blanco MV
<u>LOCATION:</u>	NE/4 NW/4 Sec. 11, T31N, R6W San Juan Co., NM	<u>SURFACE:</u>	BLM
<u>ELEVATION:</u>	6427' GR	<u>MINERALS:</u>	Federal
<u>TOTAL DEPTH:</u>	6110'	<u>LEASE #</u>	SF-078771

A. FORMATION TOPS:

Ojo Alamo	2444	Cliff House	5459'
Kirtland	2559'	Menefee	5504'
Fruitland	3014'	Point Lookout	5709'
Pictured Cliffs	3234'	Mancos	5864'
Lewis	3549'	Total Depth	6110'

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.

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	12-1/4"	500'	9-5/8"	36# K-55
Intermediate	8-3/4"	3700'	7"	20# K-55
Prod. Liner	6-1/4"	3600-6110'	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 2444' 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 5459'.

