

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROW/APD

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒DEEPEN ☐

b. Type of Well

Oil Well ☐ Gas Well ☒ Other ☐Single Well ☒ Multiple Zone ☐

2. Name of Operator

Williams Production Company

3. Address and Telephone No

P.O. Box 3102, MS 37-2, Tulsa, OK. 74101

4. Location of Well (Footages)

At Surface

1625' FSL 1835' FWL, NESW Surface location

1340' FSL 1340' FEL, NWSE Bottom Hole location

proposed prod. zone

14. Distance in Miles and Directions from Nearest Town or Post Office

Approximately 21.3 miles northeast of Navajo Dam Post Office (straight line)

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 1340'

16. No. of Acres in Lease

2544.64 acres

17. No. of Acres Assigned to This Well

320.00 acres E/2

18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT

215'

19. Proposed Depth

6011' KB

20. Rotary or Cable Tools

Rotary

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

6254' GR

22. Approximate Date Work will Start

April 1, 2000

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	250'	128 sx-176 cu ft Type III
8-3/4"	7"	20#	4024'	445 sx-931 cu ft Lite 200 sx-278 Cu ft-Type III
6-1/4"	4-1/2"	10.5#	3924' - 6549'	80 sx-114-cuft 240 sx-343cuft Poz/Class H 50/50

Williams Exploration & Production proposes to drill a directional well to develop the Blanco - Mesa Verde Formation at the above described location, in accordance with the attached Operation and Surface Use plans. **The surface is under the jurisdiction of the Bureau of Land Management.** Moore Anthropological Research of Aztec, NM, has surveyed the proposed location for Cultural Resources. The report has been submitted to your office for review.

This APD also is serving as an application to obtain BLM on lease road and pipeline rights-of-way. This well would utilize the existing access road for the Rosa Unit Well #80 (see Pipeline & Well Plats #3 and #4). The proposed 215-foot long pipeline would tie into the Williams Gathering System on the Rosa Unit Well #80 (see the attached Pipeline Plat Map # 4). The proposed well would be twinned with the Rosa Unit Well #80.

APPROVED BY: [Signature]
and approved by the BLM District Office.

APPROVED BY: [Signature]
SUPERVISOR, [Signature]
"GENERAL REQUIREMENTS"

APPROVED BY: [Signature] Steve Nelson Title Agent

COPIES: BLM+4, WELL FILE+1
Date February 24, 2000

(This space for Federal or State office use)

Permit No.

Approval Date

Application approval does not warrant or certify that 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:

APPROVED BY:

/s/ Charlie Beecham

Team Lead, Petroleum Management

DATE

MAR 20 2000

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

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

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26391		*Pool Code 72319	*Pool Name Blanco - MV
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 46A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6254'

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
K	8	31N	5W		1625	SOUTH	1835	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
J	8	31N	5W		1340	SOUTH	1340	EAST	RIO ARRIBA

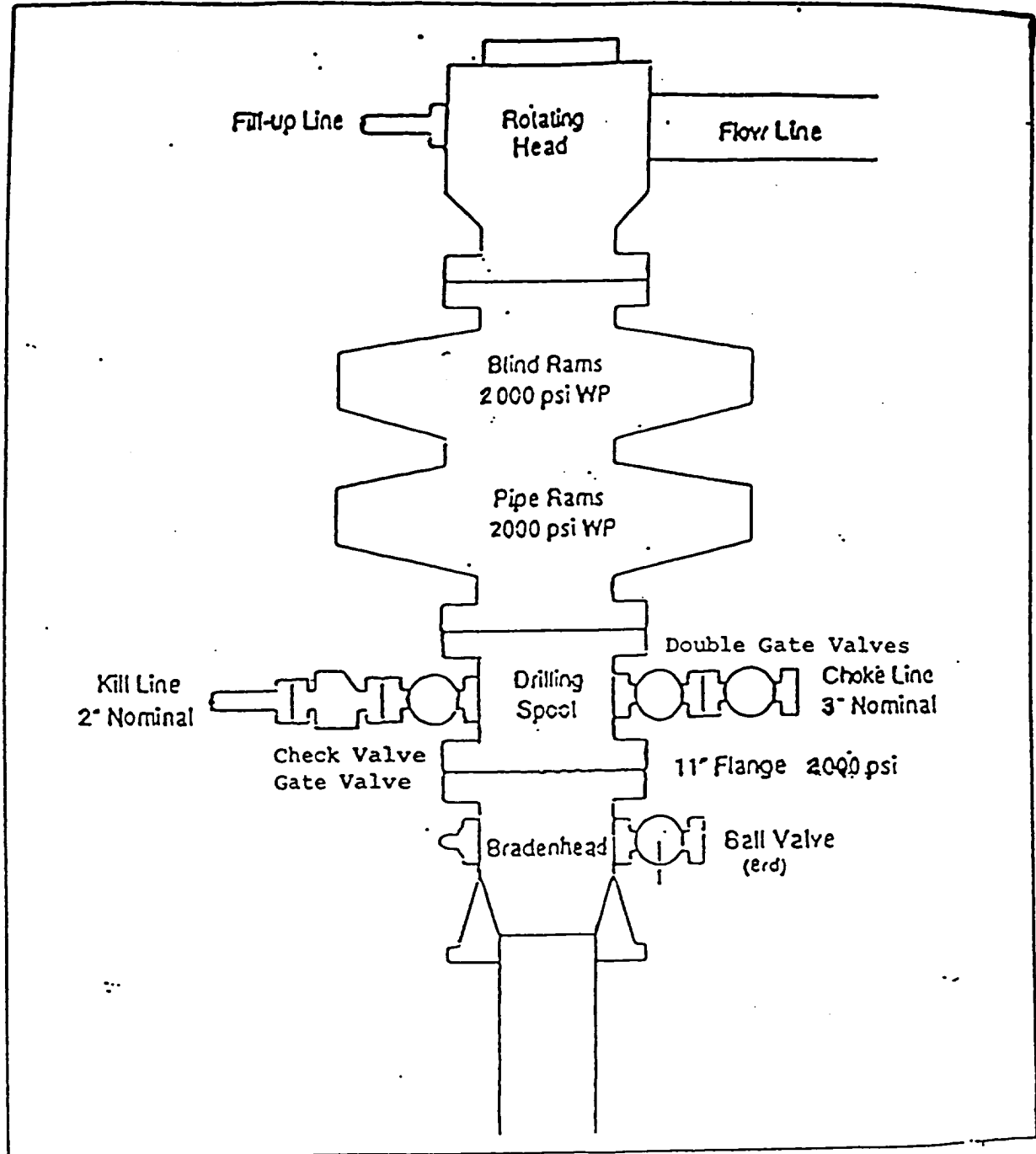
¹² Dedicated Acres 320 E/2	¹³ Joint or Infill I	¹⁴ Consolidation Code U	¹⁵ Order No.
---	---	--	-------------------------

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 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Steve Nelson Printed Name Agent, Nelson Consulting Title February 24, 2000 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. DECEMBER 29, 1999 Date of Survey Signature and Seal of Surveyor Certificate No. 6857

EXHIBIT 1

BOP STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with change overs for each tool joint in the string, and choke manifold all rated to 2000 psi.

Williams Production Company
Rosa Unit Well # 46A
Existing Roads & Wells in One-Mile Radius
Plat Map # 1

MARTINEZ
DRAW