

**UNITED STATES  
DEPARTMENT OF THE INTERIOR**

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

BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

RECEIVED  
OCT 16 1998

1a. TYPE OF WORK  
 b. TYPE OF WELL  
 OIL WELL  GAS WELL  Other  DEEPEN  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 AMOCO PRODUCTION COMPANY 778 Attention: Gail M. Jefferson

3. ADDRESS AND TELEPHONE NO.  
 P.O. BOX 800, DENVER, COLORADO 80201 (303) 830-6157

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 2480' FSL 1440' FWL  
 At proposed prod. zone Unit K

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 9 miles from the town of Aztec, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 16. NO. OF ACRES IN LEASE 315.36  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 315.36

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 19. PROPOSED DEPTH 5701'  
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6331' GL  
**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\*  
 12-01-1998

5. LEASE DESIGNATION AND SERIAL NO.  
 SF-078200

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
 W. H. Riddle #1B 985

9. API WELL NO.  
 30-045-29717

10. FIELD AND POOL, OR WILDCAT  
 Blanco Mesaverde 72319

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 24  
 Township 30N Range 10W.

12. COUNTY OR PARISH San Juan  
 13. STATE New Mexico

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12.25"	K-55 9.625	36#	250'	172 cu. ft. CI B to surface
8.75"	K-55 7.000	20#	3081'	827 cu. ft. CI B to surface
6.25"	K-55 4.500	10.5#	5701'	431 cu. ft. CI B to 2831'

Notice of Staking submitted as the W. H. Riddle #1B on 9/15/98.

Lease Description: T30N-R10W  
 Sec. 24: W/2

containing 315.36 acres, more or less

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

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 OCT 29 1998  
 OIL CON. DIV.  
 DIST. 3

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.

24. SIGNED Gail M. Jefferson TITLE Sr. Admin. Staff Asst. DATE 10-14-1998

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approved does not warrant or certify that the applicant holds legal or equitable title to these rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

/s/ Duane W. Spencer

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE OCT 27 1998

WSL-4145@

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

300000

DISTRICT I  
 PO Box 1990, Hobbs NM 88241-1980  
 District II  
 PO Drawer KK, Aramis, NM 87211-0719  
 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

Form C-102  
 Revised February 21, 1994

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

RECEIVED  
 53 OCT 16 11:10:00  AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29717		2 Pool Code 72319		3 Well Name Blanco Mesaverde	
4 Property Code 985		5 Property Name W. H. RIDDLE			6 Well Number # 1B
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 6331

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	24	30 N	10 W		2480	SOUTH	1440	WEST	SAN JUAN

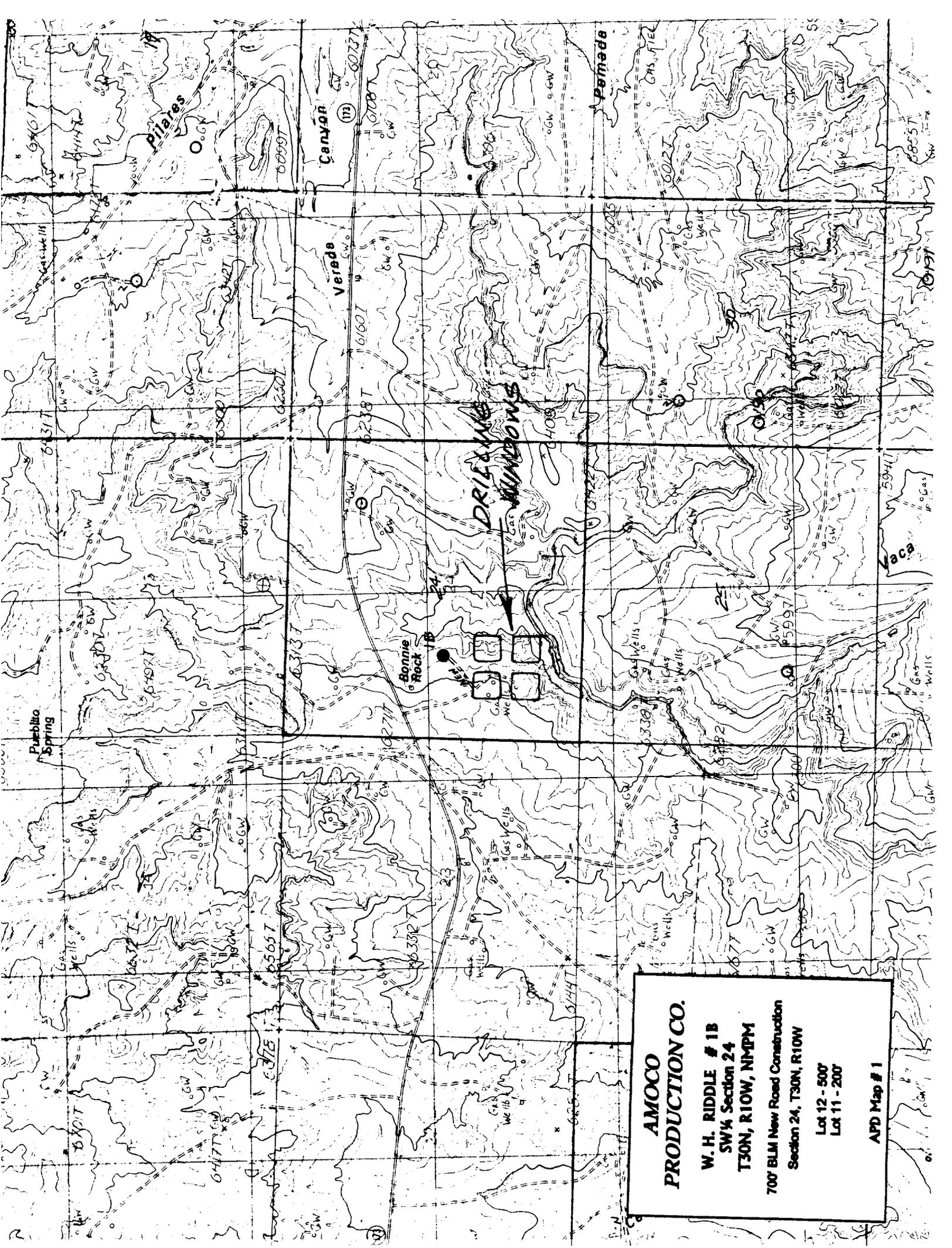
11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres 315.36	13 Joints or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED  
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Gail M. Jefferson</i>          Signature          Gail M. Jefferson          Printed Name          Sr. Admin. Staff Asst.          Title          9/10/98          Date</p>	
<p>RECEIVED          OCT 29 1998          OIL CON. DIV.          DIST. 3</p>				<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>August 31, 1998          Date of Survey          Signature and Seal of Professional Surveyor            7016          Certificate Number</p>	



**AMOCO  
PRODUCTION CO.**

**W. H. RIDDLE # 1B  
SW 1/4 Section 24  
T30N, R10W, N14PM**

**700' BLM New Road Construction  
Section 24, T30N, R10W**

**Lot 12 - 500'  
Lot 11 - 200'**

**APD Map # 1**



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

4

October 13, 1998

RECEIVED  
OCT 15 1998

OIL CON. DIV.  
DIST. 3

Amoco Production Company  
P. O. Box 800  
Denver, Colorado 80201-0800  
Attention: Pamela Staley

Administrative Order NSL-4145

Dear Ms. Staley:

Reference is made to your application dated September 15, 1998, which was received by the New Mexico Oil Conservation Division ("Division") in Santa Fe on September 18, 1998, for an exception to the well location requirements provided within the "Special Rules and Regulations for the Blanco-Mesaverde Pool," as promulgated by Division Order No. R-10987, for a non-standard gas well location in an existing standard 315.36-acre stand-up gas spacing and proration unit for the Blanco-Mesaverde Pool comprising Lots 3, 4, 5, 6, 11, 12, 13, and 14 (W/2 equivalent) of Section 24, Township 30 North, Range 10 West, NMPM, San Juan County, New Mexico. This unit is currently dedicated to Amoco Production Company's: (i) W. H. Riddle Well No. 1 (API No. 30-045-09328), the initial well on this unit, located at a standard gas well location 1650 feet from the South line and 990 feet from the West line (Lot 12/Unit L) of Section 24; and, (ii) W. H. Riddle Well No. 1-A (API No. 30-045-22199), located at a standard infill gas well location 925 feet from the North line and 790 feet from the West line (Lot 4/Unit D) of Section 24.

The application has been duly filed under the provisions of Division Rules 104.F and 605.B of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division Rule 104.F(2), the following described well to be drilled at an unorthodox gas well location in Section 24 is hereby approved:

**W. H. Riddle Well No. 1-B**  
2480' FSL & 1440' FWL (Lot 11/Unit K). 24-30-10

Further, Amoco Production Company is authorized to dedicate Blanco-Mesaverde gas production on the subject unit from the proposed W. H. Riddle Well No. 1-B with the two existing W. H. Riddle Well Nos. 1 and 1-A. These three wells and the existing 315.36-acre unit will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico.

Sincerely,

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec /  
U. S. Bureau of Land Management - Farmington



**Amoco Exploration and Production**

Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201-0800  
(303) 830-4040

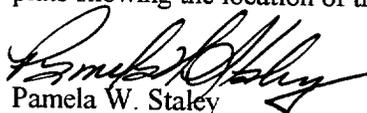
September 15, 1998

Ms. Lori Wrotenbery, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P.O. Box 6429  
Santa Fe, NM 87505

**Application For Unorthodox Location**  
**W.H. Riddle #1B Well**  
**2480' FSL & 1440' FWL**  
**Unit K Section 24-T30N-R10W**  
**W/2 Spacing Unit**  
**Blanco Mesaverde Pool**  
**San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval for an unorthodox well location for the W.H. Riddle #1B well in the Blanco Mesaverde Pool. Amoco plans to drill this well at an unorthodox location as a third well in the existing spacing unit to access reserves which would otherwise be bypassed with the current well density. This well, as proposed, would be moving toward the center line of the spacing unit only and would be well within the standard 790 foot setback from the outer boundaries of the spacing unit. We are locating this well toward the center of the spacing unit, away from the parent and original infill, which would cause it to fall outside the traditional drilling windows for the Blanco Mesaverde Pool.

A copy of this application will be submitted to the offset operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office. Attached are plats showing the location of the well, offset operators, and all wells drilled in the area.

  
Pamela W. Staley

**Attachments**

cc: Frank Chavez, Supervisor  
NM OCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Mark Yamasaki, Amoco  
Gail Jefferson, Amoco

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SEP 17 1998  
**OIL CON. DIV.**  
**DIST. 3**

**WAIVER**

\_\_\_\_\_ hereby waives objection to Amoco's application for an unorthodox well location for the W.H. Riddle #1B well described above.

By: \_\_\_\_\_

Date: \_\_\_\_\_

APPLICATION FOR APPROVAL OF UNORTHODOX LOCATION UNDER RULE 104-F

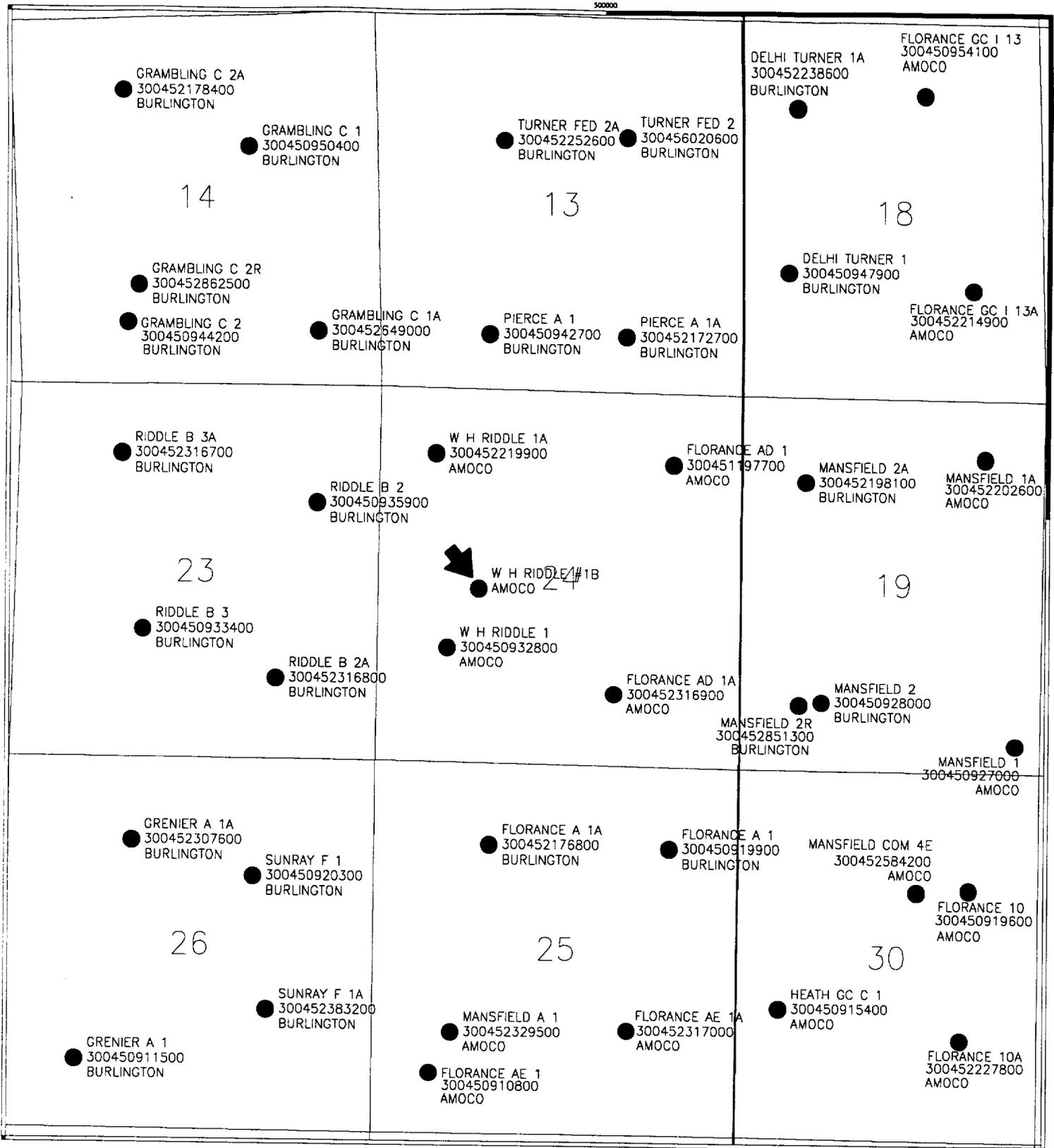
**W.H. Riddle #1B Well  
2480' FSL & 1440' FWL  
Unit K Section 24-T30N-R10W  
Blanco Mesaverde Pool**

ATTACHMENTS:

- 9-SECTION PLAT SHOWING LOCATION OF ALL OFFSET WELLS
- FORM C-102 FOR MESAVERDE FORMATION
- LIST OF ALL OFFSET OPERATORS AND THEIR ADDRESSES

LIST OF ADDRESSES FOR OFFSET OPERATORS

*I* Burlington Resources Oil and Gas Co.  
P.O. Box 4289  
Farmington, NM 87499



AMOCO PRODUCTION COMPANY		
W. H. RIDDLE #1B - NEW DRILL MESAVERDE - NINE SECTION PLAT 30N-10W-24NE/SW		
ALC		9/14/98
	Scale 1:23255.03	

PO Box 1980, Hobbs NM 88241-1980  
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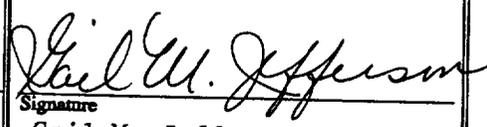
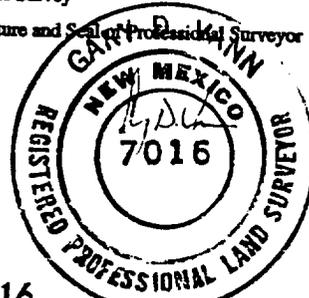
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16		5166 (R)		17 OPERATOR CERTIFICATION	
Lot 4		Lot 3		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Lot 5		Lot 6		 Signature Gail M. Jefferson Printed Name Sr. Admin. Staff Asst. Title 9/10/98 Date	
Lot 12		Lot 11		18 SURVEYOR CERTIFICATION	
Lot 13		Lot 14		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.	
Lot 15		Lot 16		August 31, 1998 Date of Survey Signature and Seal of Professional Surveyor  7016 Certificate Number	

1440' 2480' 5235 (R)