

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. CONTRACT #124
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INC.		7. If Unit or CA Agreement, Name and No. 31501
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705		8. Lease Name and Well No. AXI APACHE M 9
3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799		9. API Well No. 30-039-27285
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NENE 660FNL 1190FEL At proposed prod. zone		10. Field and Pool, or Exploratory BLANCO MESAVERDE
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area Sec 24 T25N R4W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	12. County or Parish RIO ARRIBA
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 5980 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7069 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 320.00
23. Estimated duration		20. BLM/BIA Bond No. on file

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY	Date 10/03/2002
Title AUTHORIZED SIGNATURE		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed)	Date JAN 08 2003
Title Acting Assist. Field Mar.	Office Albuquerque Field Office	

Application approval does not warrant or certify 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, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Additional Operator Remarks (see next page)

Electronic Submission #14750 verified by the BLM Well Information System  
For CONOCO INC., sent to the Rio Puerco  
Committed to AFMSS for processing by Angie Medina-Jones on 10/03/2002 ()

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

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 <b>30039-22285</b>		*Pool Code <b>72319</b>	*Pool Name <b>BLANCO MESAVERDE</b>
*Property Code <b>31501</b>	*Property Name <b>AXI APACHE M</b>		*Well Number <b>9</b>
*GRID No. <b>005073</b>	*Operator Name <b>CONOCO, INC.</b>		*Elevation <b>7069'</b>

#### 10 Surface Location

UL or lot no. <b>A</b>	Section <b>24</b>	Township <b>25N</b>	Range <b>4W</b>	Lot Idn	Feet from the <b>660</b>	North/South line <b>NORTH</b>	Feet from the <b>1190</b>	East/West line <b>EAST</b>	County <b>RIO ARriba</b>
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#### 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
12 Dedicated Acres <b>320.0 Acres - (E/2)</b>					13 Joint or Infill		14 Consolidation Code		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

<div>16</div> <div>Jicarilla Contract #124</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Vicki Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title <i>September 4, 2002</i> Date</p> <div>18 SURVEYOR CERTIFICATION</div> <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>Date of Survey: APRIL 9, 2002</p> <p>Signature and Seal of Professional Surveyor</p> <div><p><i>JASON C. EDWARDS</i> Certificate Number 15269</p></div>
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# PROJECT PROPOSAL - New Drill / Sidetrack

AXI APACHE M 9

(Not  
Assigned)

ConocoPhillips  
San Juan Business  
Unit

Lease : AFE # : AFE \$ :

Field Name : JICARILLA-TRIBAL Rig : State : NM County : RIO ARRIBA API # :

Geoscientist : Johnson, Tom B. Phone (281) 293 - 6551 Prod. Engineer Jennye Pusch Phone : (281) 293-5305

Res. Engineer : Riley, Steve Phone (281) 293-3967 Proj. Field Lead Wayne Shenfield Phone : (505) 320-1406

## Primary Objective (Zones)

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)

"Mud Drilled"

## Location - Surface

Latitude : 36.39 Longitude : -107.20 X : Y : Section : 24 Abstract: 4W  
Footage X : 1190 FEL Footage Y : 660 FNL Elevation: 7069 (FT) Survey : 25N

## Tolerance

Location Type : Summer Only Start Date (Est.) Completion Date : Date In Operation :

Formation Data Assume KB 7082 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	500	6582	<input type="checkbox"/>			Possible Lost Circulation. 12 1/4" Hole. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface. Test casing to 1500 psi.
NCMT	2002	5080	<input type="checkbox"/>			
OJAM	2997	4085	<input type="checkbox"/>			Possible water flows. Possible Chert - could damage the bit.
KRLD/FRLD	3215	3867	<input type="checkbox"/>			Possible DV Tool @ 3300' (if losses are seen while drilling the PCCF).
PCCF	3507	3575	<input type="checkbox"/>	500	125	Possible Lost Circulation. Producing PC well in the 1/4 section.
LEWS	3642	3440	<input type="checkbox"/>			
HURF	3925	3157	<input type="checkbox"/>			
CHRA	4424	2658	<input type="checkbox"/>	1860		DV Tool @ 5000'.
CLFH	5208	1874	<input type="checkbox"/>			Gas; possibly wet
MENF	5261	1821	<input type="checkbox"/>			Gas
PTLK	5672	1410	<input type="checkbox"/>	2380	160	Gas. Possible Lost Circulation.
Total Depth	5980	1102	<input type="checkbox"/>			7 7/8" Hole. 4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
MNCS	6082	1000	<input type="checkbox"/>			

## Reference Wells

Intermediate:	Well Name	Comments
	Az Jic A #2	Burlington PC in SW NE NE 24-25N-4W (Twin PC for ref depth)
	Lydia Rentz #8	Four Star MVRD in SW NE NW 19-25N-3W (Direct East Offset)
Production:	Well Name	Comments
	Lydia Rentz #8	Four Star MVRD in SW NE NW of 19-25N-3W (Direct East offset)



Cementing Summary

AXI Apache M #9 (v1.0 - 3-Stages)

	OH					
	Depth	Excess				
	9-5/8" Sfc. Casing	0	Standard Cement B	275 sx	Slurry Volume	330.6 cu ft
			Cement	94 lb/sk		58.9 bbl
			CaCl <sub>2</sub>	2.0% bwoc-db		
			Flocele	0.25 lb/sk		
12-1/4" Hole					Slurry Density	15.6 ppg
					Slurry Yield	1.2 cu ft/sk
					Mix Fluid	5.2 gal/sk
9-5/8" shoe	500	100%				
			Cement Blend	418 sx	Slurry Volume	1182.3 cu ft
			Class 'H' Cement	84 lb/sk		210.6 bbl
			Econolite	3.00% bwob	Slurry Density	11.4 ppg
					Slurry Yield	2.83 cu ft/sk
					Mix Fluid	17.29 gal/sk
			HR-5	0.05% bwob		
			Silicalite-blended	10 lb/sk		
			Flocele	0.5 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
DV Tool #2 Stage #3	3,300	60%	Cement Blend	232 sx	Slurry Volume	656.05 cu ft
			Class 'H' Cement	84 lb/sk		116.8 bbl
			Econolite	3.00% bwob	Slurry Density	11.4 ppg
					Slurry Yield	2.83 cu ft/sk
					Mix Fluid	17.29 gal/sk
			HR-5	0.05% bwob		
			Silicalite-blended	10 lb/sk		
			Flocele	0.5 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
DV Tool #1 Stage #2	5,000	60%	Cement Blend	257 sx	Slurry Volume	437.6 cu ft
			Class 'H' Cement	47 lb/sk		77.9 bbl
			San Juan Poz	24 lb/sk		
			Bentonite	3.00% bwob	Slurry Density	12.8 ppg
			Halad-344	0.40% bwob	Slurry Yield	1.70 cu ft/sk
			CFR-3	0.20% bwob	Mix Fluid	8.26 gal/sk
			HR-5	0.10% bwob		
			Silicalite-blended	20 lb/sk		
			Flocele	0.25 lb/sk		
			Defoamer (if req'd)	0.05 gal/bbl		
4-1/2" Csg Sh	6,080	60%				
Stage #1						
8-3/4" Hole						

Note: Conoco to verify casing & hole sizes, DV depths, etc.

