

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR
CONOCO INC.

3. ADDRESS OF OPERATOR
P. O. Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1050' FSL & 1050' FEL
At proposed prod. zone ☒

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
S. GEOLOGICAL SURVEY FARMINGTON, N. M.

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

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7091' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300'	225 SX. circulate
7 7/8"	5 1/2"	15.5#	6200'	1910 SX. circulate

It is proposed to drill a straight hole to a TD of 6200' and complete it as a Pictured Cliffs / Mesaverde dual gas well.

See attachments for 10 point well plan and 13 point Surface Use Plan.

RECEIVED
APR 27 1983

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

This action is subject to administrative appeal pursuant to 30 CFR 290.

OIL CON. DIV.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Greg Perry for: Administrative Supervisor
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE
CONDITIONS OF APPROVAL, IF ANY:

30-039-23268
5. LEASE DESIGNATION AND SERIAL NO.
CONTRACT No. 124

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
AXI Apache "M"

9. WELL NO.
8A

10. FIELD AND POOL, OR WILDCAT
Blanco Pictured Cliffs & Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
P Sec. 14, T-25N, R-4W

12. COUNTY OR PARISH 13. STATE
Rio Arriba NM

17. NO. OF ACRES ASSIGNED TO THIS WELL
160 PC / E320 MV

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START
July 11, 1983

RECEIVED
AUG 17 1983

APPROVED
AS AMENDED
AUG 15 1983
DATE <u>[Signature]</u>
AREA MANAGER FARMINGTON RESOURCE AREA

*See Instructions On Reverse Side

NMOCS

All distances must be from the outer boundaries of the Section.

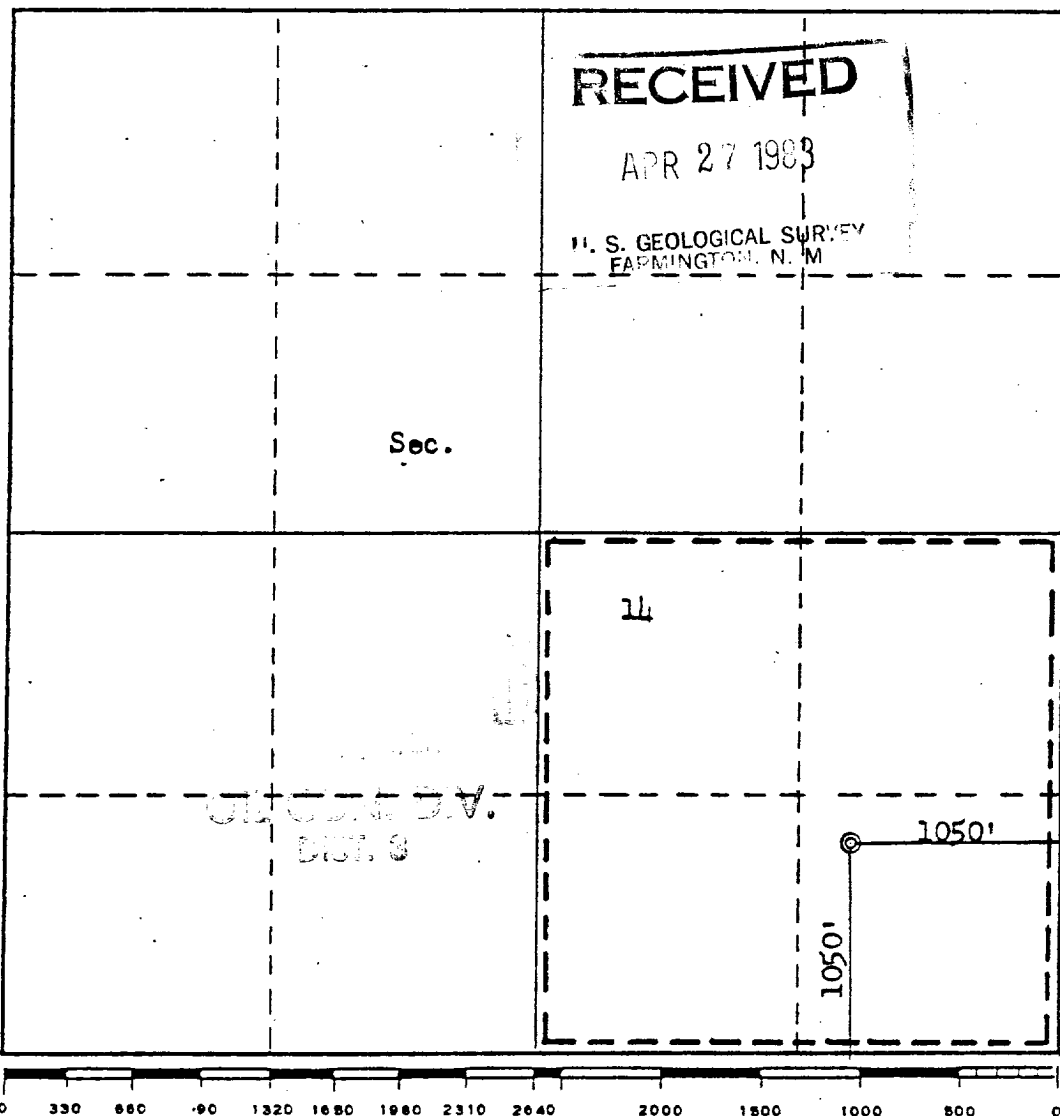
Operator CONOCO, INCORPORATED			Lease AXI APACHE "M"		Well No. 8A
Unit Letter P	Section 14	Township 25N	Range 1W	County Rio Arriba	
Actual Footage Location of Well: 1050 feet from the South line and 1050 feet from the East line					
Ground Level Elev. 7091	Producing Formation Pictured Cliffs		Pool South Blanco Pictured Cliffs	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **Greg Perry**
Position **Administrative Supervisor**
Company **CONOCO INC.**
Date **4-26-83**

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 knowledge and belief.

Date Surveyed **July 7, 1983**
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**

All distances must be from the outer boundaries of the Section.

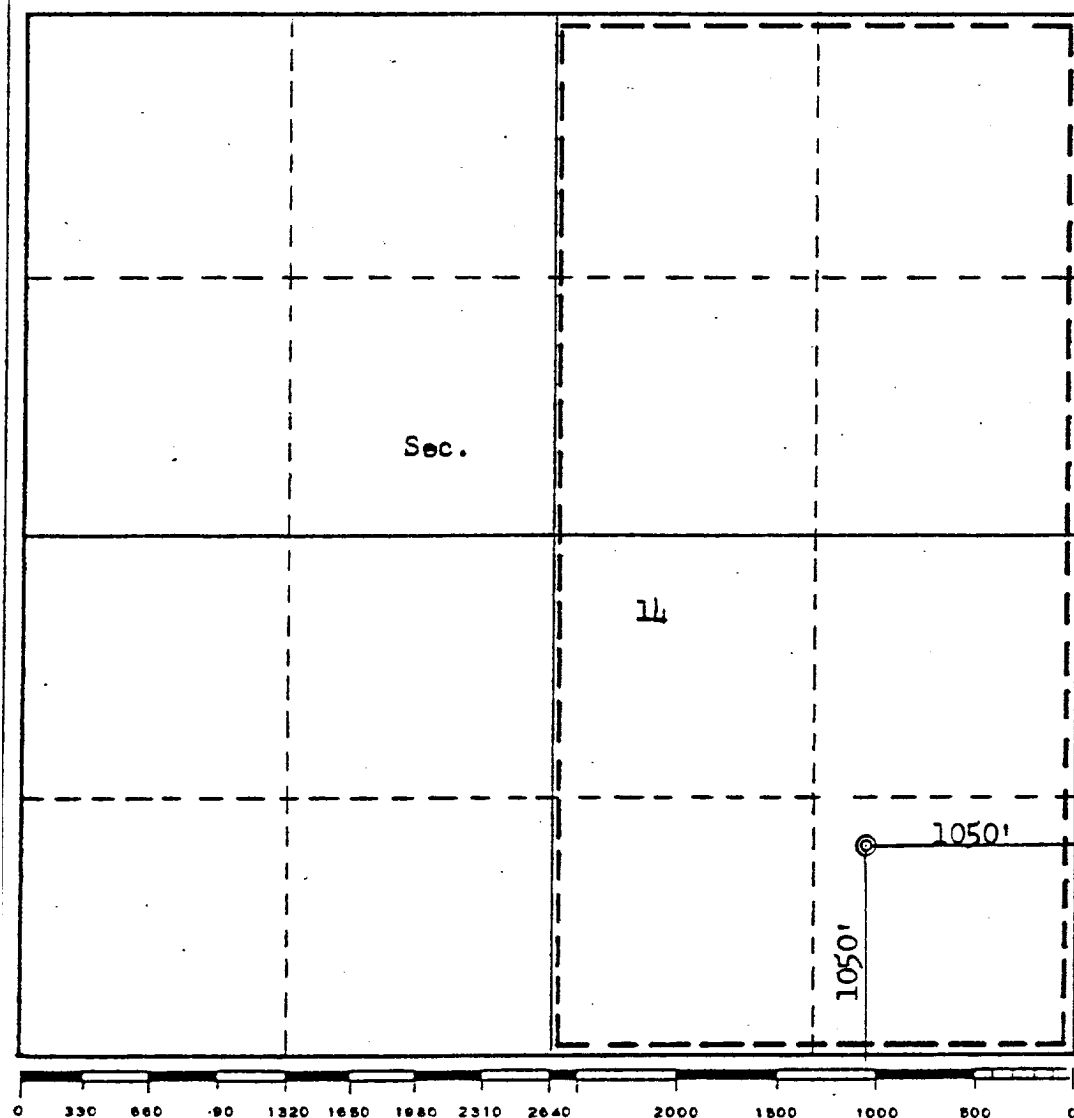
Operator CONOCO, INCORPORATED			Lease AXI APACHE "M"		Well No. 8A
Unit Letter P	Section 14	Township 25N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1050 feet from the South line and 1050 feet from the East line					
Ground Level Elev. 7091	Producing Formation Mesaverde		Pool Blanco Mesaverde	Dedicated Acreage: E 320 Acres	

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Certificate No. 3950

PROPOSED WELL PLAN OUTLINE

WELL NAME: AXI Apache M No. 9

COUNTY Rio Arriba STATE N. M.

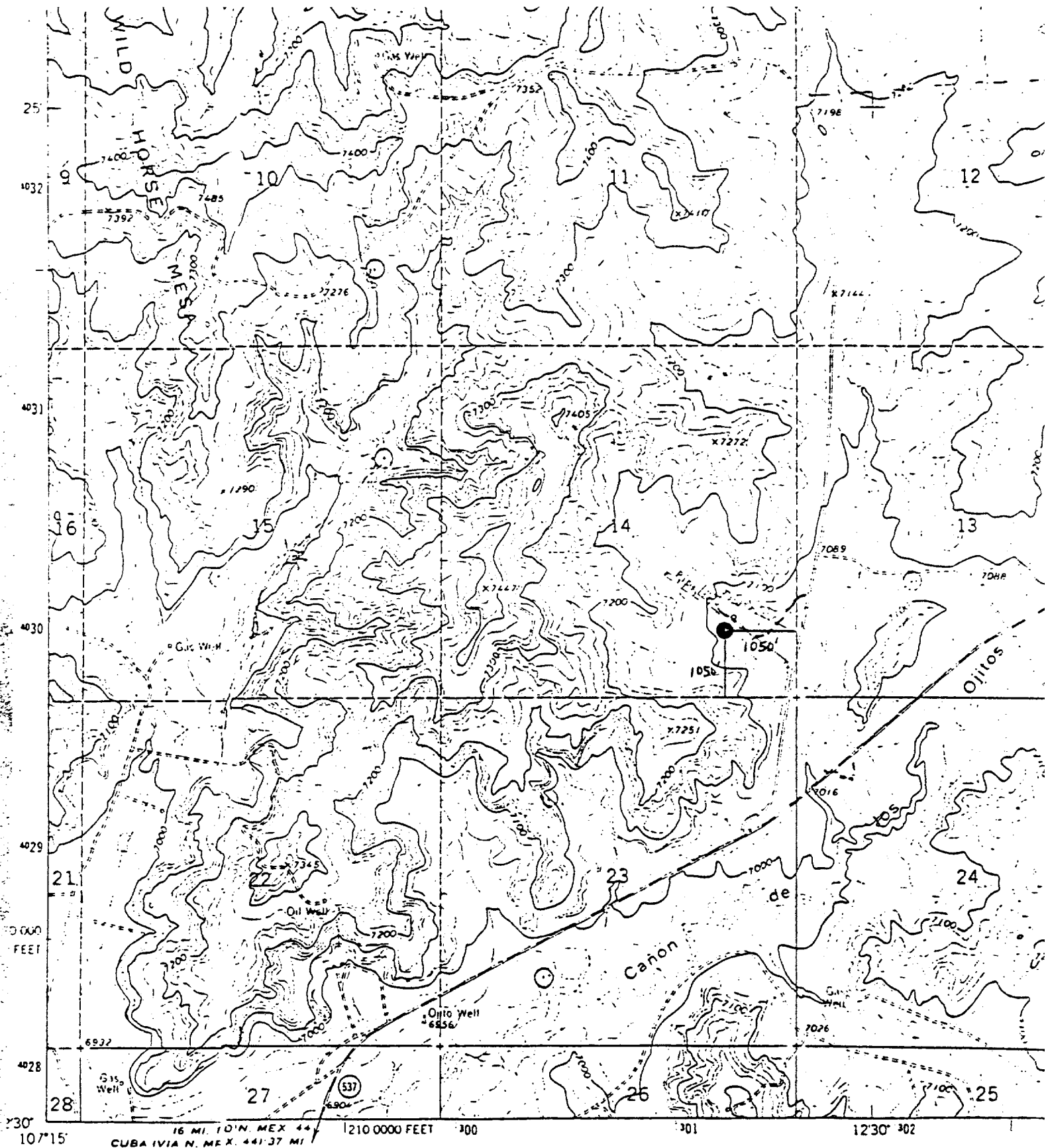
LOCATION: 1050' FSL & 1050' FEL

EST. KB: 7105'

Sec. 14, T25N, R4W

EST. GL: 7090'

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING		(PPG)	(PPG)	MUD	
					SIZE	DEPTH	FRAC GRADIENT	FORMATION PRESSURE GRADIENT	WEIGHT (PPG)	TYPE
			Geolograph 0' - TD	12-1/4	9-5/8	300'			8.5 9.0	Spud
					36# K-55 ST&C					
0000'			Deviation 0' - TD		225 SX class 'B' 2% CaCl ₂					
0000'			Samples every 30' from 0'- 1000'							
0000'			Samples every 10' from 1000' to TD							
0000'	OJO Alamo 2903									
0000'	Picture Cliffs (Gas)	3522'								
0000'		Possible lost circulation								
0000'	Chacra 4410' (Gas)		SP-IES-GR 2800'-TD						8.8- 9.0	Fresh Water Gel
0000'	Mesa Verde 5208 (Oil & Gas)		CNL-FDC-GR-CAL 2800'-TD							
0000'		Possible lost circulation			5-1/2 15.5# K-55 ST&C					
0000'	Mancos Sh. 6006'			7-7/8		6200'	10-12	<8.5	9.0- 9.2	Fresh Water Gel
					1410 SX class 'B' DV tool @ 3800'					



Mapped, edited, and published

Control by USGS and USCA/US

Topography by photogrammetric measurements
photographs taken 1958 and 1962

Polyconic projection - 1927 North A

10 000 foot grid based on New Mexico coordinate system, control zone

1000 meter Universal Transverse Mercator grid ticks,

zone 13 shown in blue

Some unimproved land lines have not been established

Vicinity Map for
CONOCO #9 AXI APACHE "M"
1050' FSL 1050' FEL Sec. 14-T25N-RLW
RIO ARRIBA COUNTY, NEW MEXICO

23 MILES

EXHIBIT B