

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

MESA OPERATING LTD PARTNERSHIP

3. ADDRESS OF OPERATOR

P.O. BOX 2009, AMARILLO, TEXAS 79189

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

At surface

790' FNL & 1235' FEL

At proposed prod. zone

Same

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

3 miles north of Aztec, New Mexico

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

790'

16. NO. OF ACRES IN LEASE

2,475.610

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

400'

19. PROPOSED DEPTH

2500'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N/2 320 3/5-6/

20. ROTARY OR CABLE TOOLS

Rotary

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

5840' 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\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	"GENERAL REQUIREMENTS"
12 1/4"	8 5/8"	24#	200'	150 'B' (177 Ft <sup>3</sup> ) + 2% CaCl (Surf)
7 7/8"	5 1/2"	17#	2500'	300 Poz (540 Ft <sup>3</sup> ) / 250 'B' (295 Ft <sup>3</sup> )

Propose to spud well with 12 1/4" hole and drill to 200' and set  
8 5/8" surface casing. Will cement with 150 sx of Class "B" and  
raise cement to surface. Will nipple up 2000 psi BOP assembly and  
drill 7 7/8" hole to TD of  $\pm$  2500' with fresh water mud system.  
Will then log well and evaluate for possible commercial production.  
If successful, will then run 5 1/2" casing to  $\pm$  2500' and cement  
with 300 sx Pozmix followed by 250 sx Class "B" cement. Will  
move off drilling rig and move in completion unit.

xc: BLM-Farmington (045) NMOC-Aztec (1) WF, Reg, Land, Expl., Drlg.

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

*Cecilia L. McKee*

TITLE

Regulatory Analyst

DATE 6/14/90

(This space for Federal or State use)

RECEIVED

APPROVED  
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

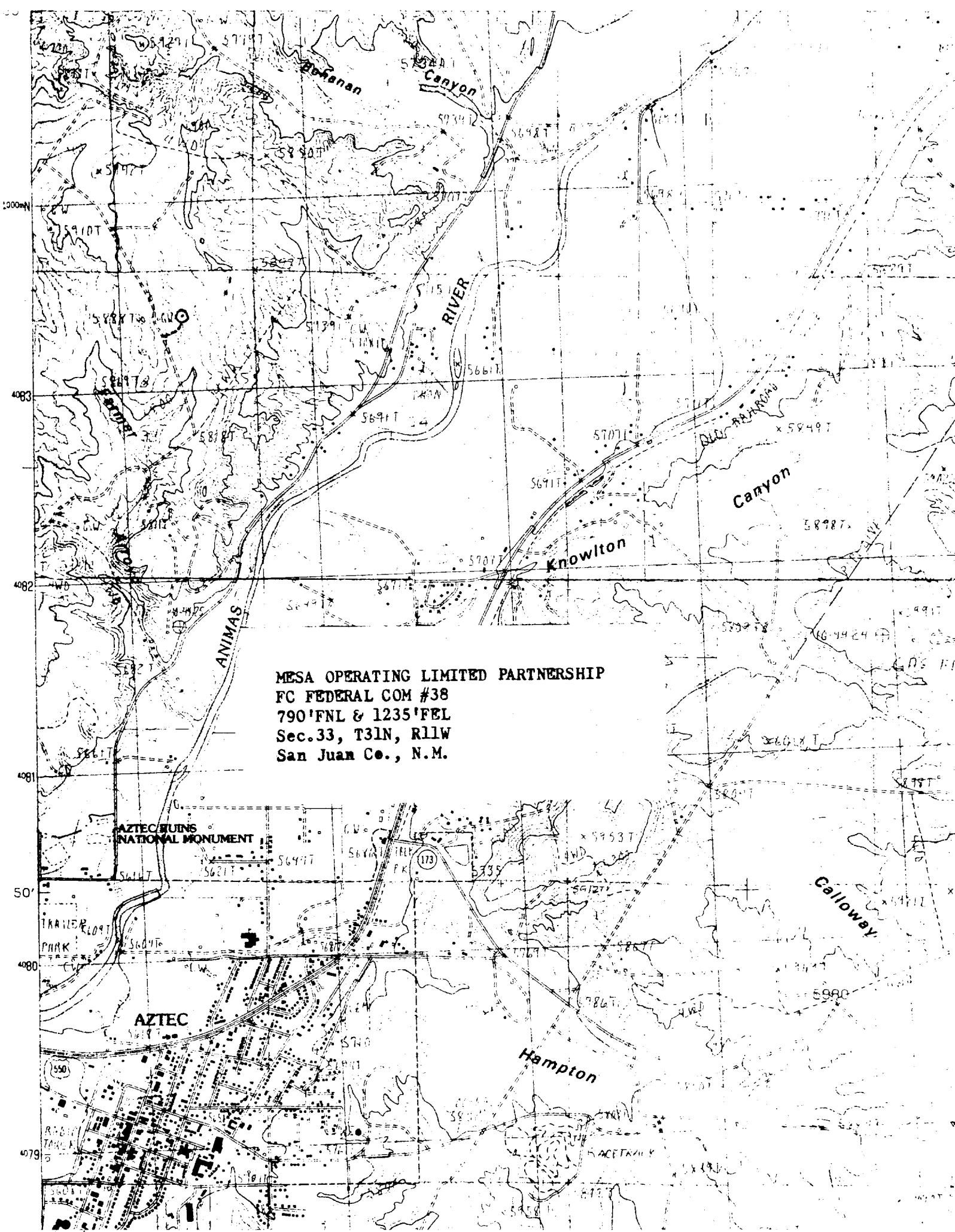
TITLE

OIL CON. DIV  
DIST. 3

NMOC

JUL 24 1990  
*[Signature]*  
AREA MANAGER

\*See Instructions On Reverse Side



MESA OPERATING LIMITED PARTNERSHIP  
FC FEDERAL COM #38  
790'FNL & 1235'FEL  
Sec.33, T31N, R11W  
San Juan Co., N.M.