

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 LIMITED PARTNERSHIP

3. ADDRESS OF OPERATOR

P.O. BOX 2009, AMARILLO, TEXAS 79189

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

At surface

1810' FSL & 1485' FWL

At proposed prod. zone

Same

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

4 miles SE of Aztec, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1485'

16. NO. OF ACRES IN LEASE

2,063.260

17. NO. OF ACRES ASSIGNED
TO THIS WELL

S/2 320 3/3-5'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

800'

19. PROPOSED DEPTH

2550'

20. ROTARY OR CABLE TOOLS

Rotary

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

5976' GR

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.3
and appeal pursuant to 43 CFR 3105.4.

22. APPROX. DATE WORK WILL START*

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | |
|--------------|----------------|-----------------|---------------|--|
| 12 1/4" | 8 5/8" | 24# | 200' | 150 sx 'B'(177Ft ³)+2% CC (Surface) |
| 7 7/8" | 5 1/2" | 17# | 2550' | 300 Poz(540 Ft ³)/250 'B' (295 Ft ³) |

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 2550' 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 2550' 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 (0+5), NMOCD-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

Charles R. McKee

TITLE

Regulatory Analyst

DATE

6/14/90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

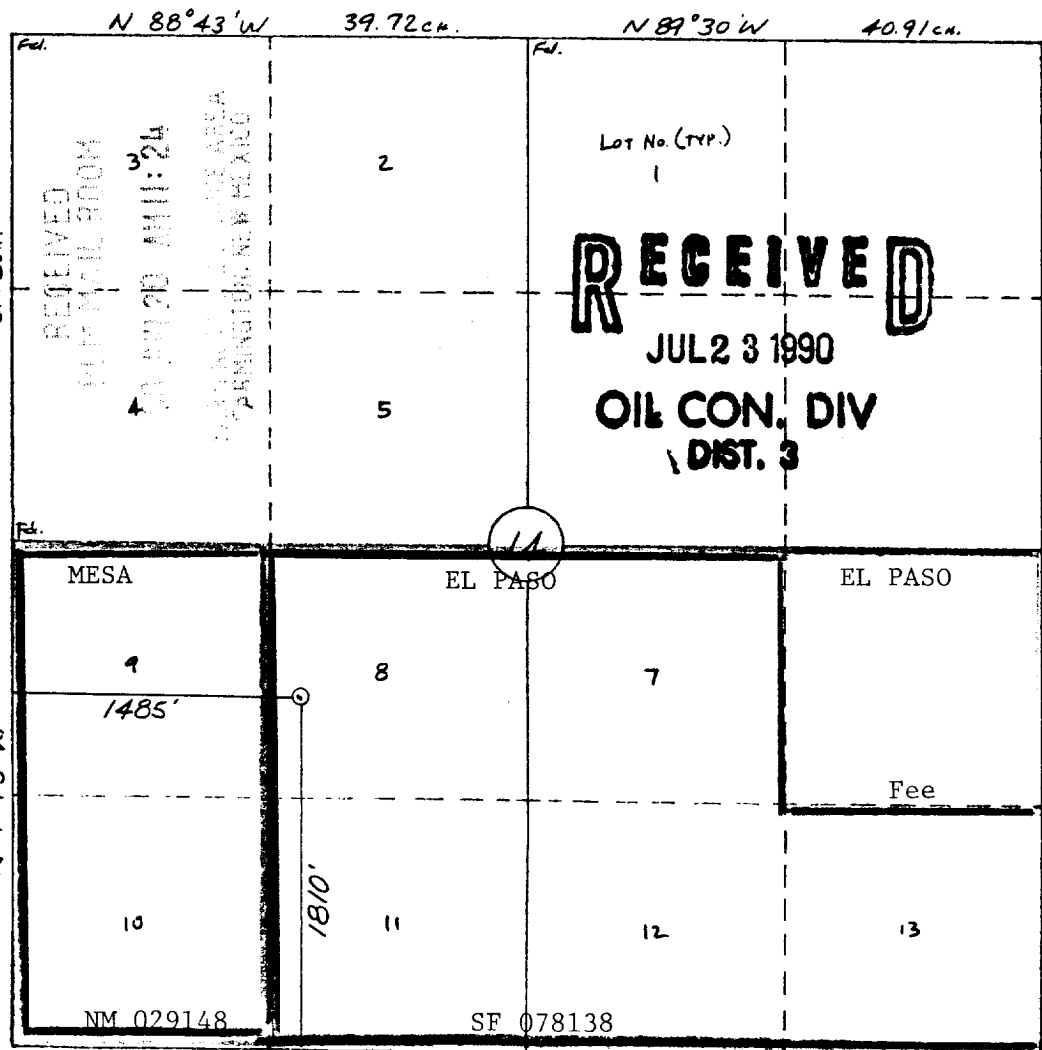
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | | |
|--|--|-------------------------|-------------------------------------|--|-----------------------|
| Operator MESA OPERATING LIMITED PARTNERSHIP | | | Lease FC FEDERAL COM | | Well No. 39 |
| Unit Letter K | Section 14 | Township 30 N | Range 11 W | County San Juan | |
| Actual Footage Location of Well: 1810 feet from the South line and 1485 feet from the West line | | | | | |
| Ground level Elev. 5976 | Producing Formation Fruitland Coal | | Pool Basin Fruitland Coal | Dedicated Acreage: S/2 320 Acres | |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation Communitization</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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 interest, has been approved by the Division.</p> | | | | | |

330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



OPERATOR CERTIFICATION

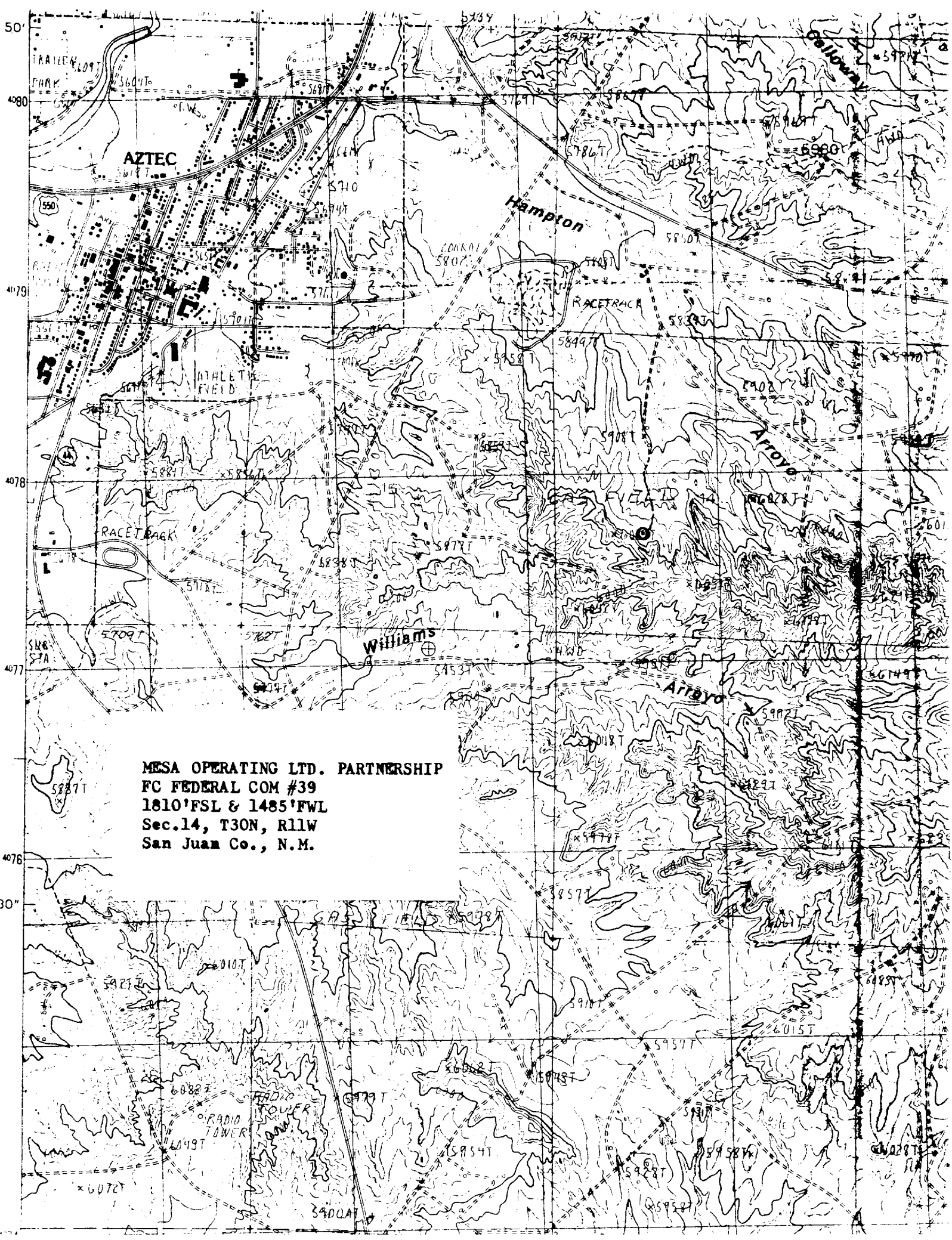
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Carolyn McKee
Printed Name
Carolyn L. McKee
Position
Regulatory Analyst
Company
Mesa Ltd Partnership
Date
6/14/90

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 knowledge and belief.

5-25-90
Date Surveyed
William E. Mahke II
Signature of Surveyor
William E. Mahke II
Professional Surveyor
#8466
Certificate No.
8466



MESA OPERATING LTD. PARTNERSHIP
FC FEDERAL COM #39
1810'FSL & 1485'FWL
Sec.14, T30N, R11W
San Juan Co., N.M.