

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

20-045-27545  
AMENDED LOCATION DUE TO ARCH.

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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 any State requirements.)\*

At surface

970' FNL/1670' FEL

At proposed prod. zone

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

4 miles NW from Cedar Hill, New Mexico

15. DISTANCE FROM PROPOSED\*

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

970'

16. NO. OF ACRES IN LEASE

893.6

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N/320

18. DISTANCE FROM PROPOSED LOCATION\*

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

300'

19. PROPOSED DEPTH

3150

20. ROTARY OR CABLE TOOLS

Rotary

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

6286'

22. APPROX. DATE WORK WILL START\*

October 7, 1989

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	150 sx "B" + 2% CaCl (Surface)
7 7/8"	5 1/2"	17#	3150'	400 Poz/300 "B" (Surface)

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 3000 psi BOP assembly and drill 7 7/8" hole to TD of  $\pm$  3150' 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  $\pm$  3150' and cement with 400 sx Pozmix followed by 300 sx Class "B" cement. Will move off drilling rig and move in completion unit.

RECEIVED  
DEC 01 1989

xc: BLM-Farmington (0+5), NMOCD-Aztec (1), WF, Reg, Land, **ENV. CON. DIV.**  
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 depths. Give blowout preventer program, if any.

24.

SIGNED

*R. J. Mackie*

TITLE

Regulatory Agent

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

NOV 28 1989

*John S. Shultz*  
AREA MANAGER

NMOCD

\*See Instructions On Reverse Side

## INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operation on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

## 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 <b>MESA OPERATING LIMITED PARTNERSHIP</b>			Lease <b>FC FEDERAL</b>		Well No. <b>3</b>
Unit Letter <b>B</b>	Section <b>13</b>	Township <b>32 N</b>	Range <b>11 W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>970</b> feet from the <b>North</b> line and <b>1670</b> feet from the <b>East</b> line					
Ground level Elev. <b>6286</b>	Producing Formation <b>Fruitland Coal</b>		Pool <b>Undesignated Basin-Fruitland Coal</b>		Dedicated Acreage: <b>N/2 320 Acres</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest of all owners been consolidated by communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 500 0

N 89° 38' W

78.45 ch.

M E S A  
SF 078119

970'

1670'

U. S. A.

RECEIVED

DEC 01 1989

OIL CON. DIV  
DIST. 3

N 89° 31' W

77.39 ch.

## OPERATOR CERTIFICATION

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

Signature

R. E. Mathis

Printed Name

R. E. Mathis

Position

Regulatory Agent

Company

Mesa Operating Ltd Partnership

Date

9/5/89

## 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.

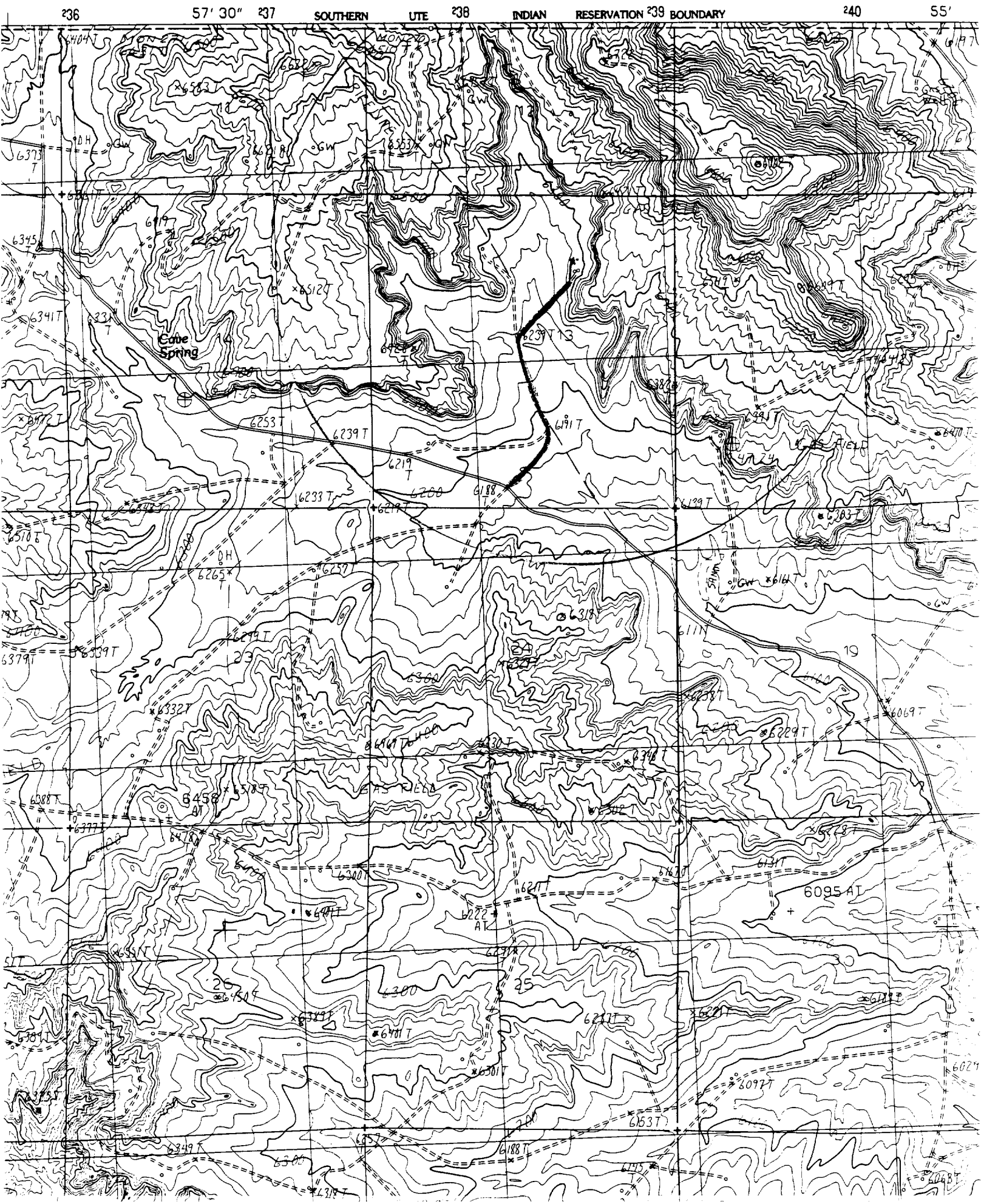
8-29-89

Date Surveyed

William E. Mahnke II

Signature of Surveyor  
Professional Surveyor





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. SF 078119	
2. NAME OF OPERATOR MESA OPERATING LIMITED PARTNERSHIP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. BOX 2009, AMARILLO, TEXAS 79189		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 820' FNL & 1670' FEL		8. FARM OR LEASE NAME FC FEDERAL	
14. PERMIT NO.		9. WELL NO. # 3	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6286' GR		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-32N-11W	
		12. COUNTY OR PARISH San Juan	13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Moved Location <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Location was moved per BLM request. New Well Location & Acreage Dedication Plat is enclosed.

RECEIVED

JUL 9 1990

OIL CON. DIV.  
DIST. 3

APPROVED

JUN 27 1990

Ken Townsend  
AREA MANAGER

FOR

xc. BLM-Farmington (0+5), WF, Reg, Land, Expl., Drilling

18. I hereby certify that the foregoing is true and correct

SIGNED

*Charles R. McKee*

TITLE

Regulatory Analyst

DATE

6/12/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

\*See Instructions on Reverse Side

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

## DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

## DISTRICT III

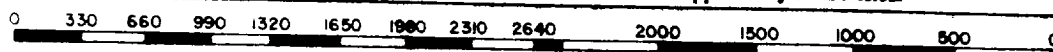
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

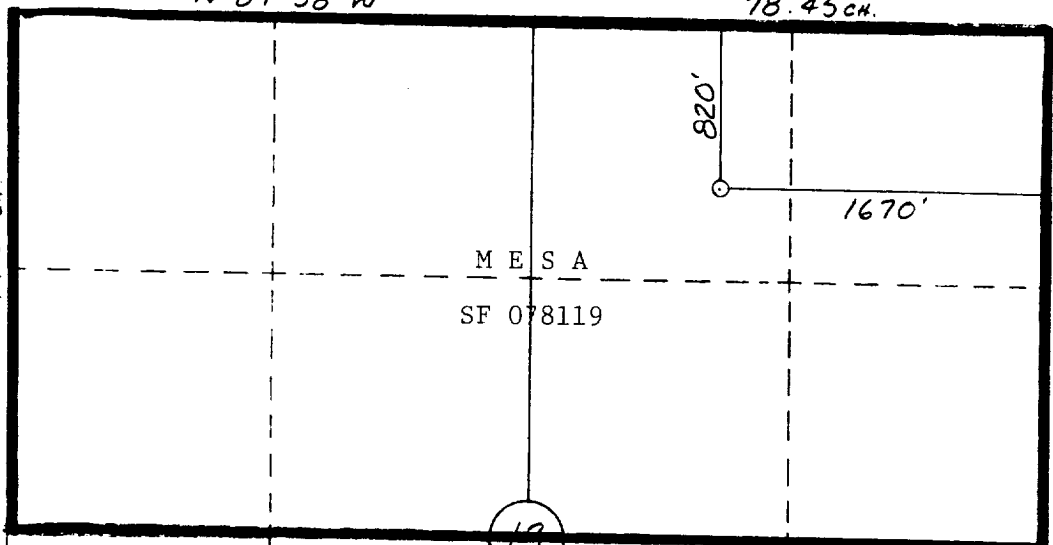
Operator <b>MESA OPERATING LIMITED PARTNERSHIP</b>			Lease <b>FC FEDERAL</b>		Well No. <b>3</b>
Unit Letter <b>B</b>	Section <b>13</b>	Township <b>32 N</b>	Range <b>11 W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>820</b> feet from the <b>North</b> line and <b>1670</b> feet from the <b>East</b> line					
Ground level Elev. <b>6286</b>	Producing Formation <b>Fruitland Coal</b>		Pool <b>Basin Fruitland Coal</b>		Dedicated Acreage: <b>N/2 320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest 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 interest, has been approved by the Division.



N 89°38'W

78.45 ch.



RECEIVED

JUL 9 1990

OIL CON. DIV.  
DIST. 3

### OPERATOR CERTIFICATION

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

Signature

Printed Name

Carolyn L. McKee

Position

Regulatory Analyst

Company

Mesa Limited Partnership

Date

6/12/90

### 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.

5-30-90

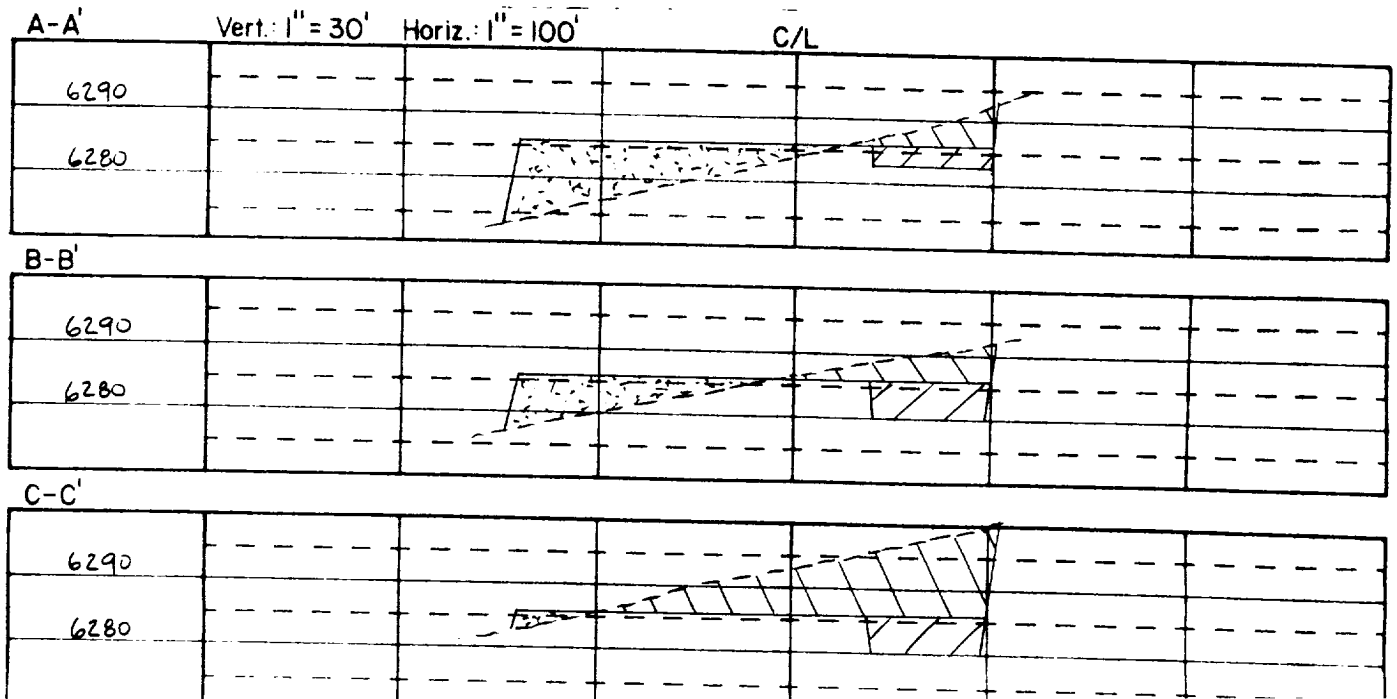
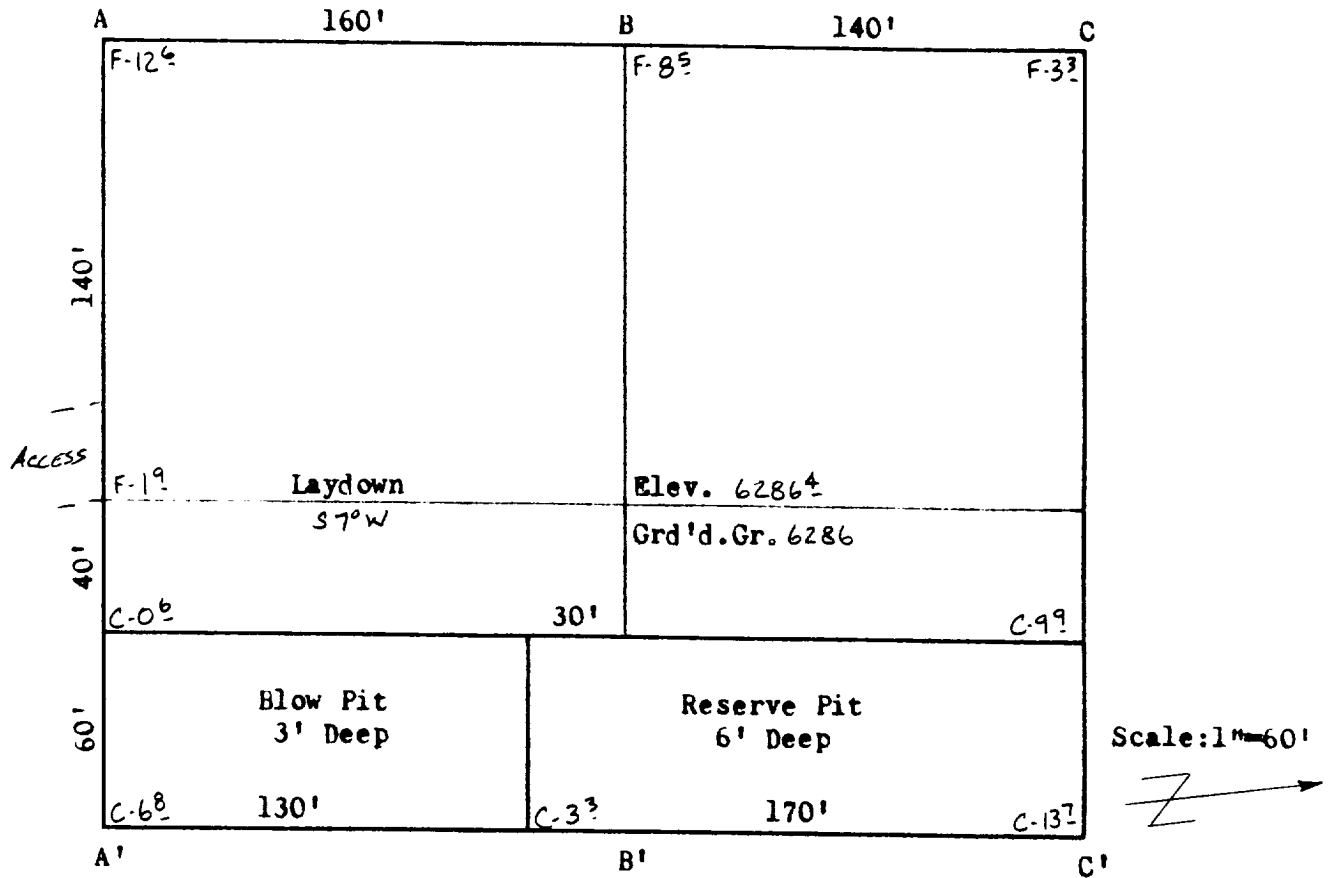
Date Surveyed

William B. Mahanke II

Signature & Seal of Professional Surveyor



MESA OPERATING LIMITED PARTNERSHIP  
 FC FEDERAL #3  
 820'FNL & 1670'FEL  
 Sec.13, T32N, R11W  
 San Juan Co., N.M.







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. SF 078119
2. NAME OF OPERATOR MESA OPERATING LIMITED PARTNERSHIP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. BOX 2009, AMARILLO, TEXAS 79189		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 820' FNL & 1670' FEL		8. FARM OR LEASE NAME FC FEDERAL
14. PERMIT NO.		9. WELL NO. # 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6286' GR		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13- <del>42N</del> 11W
		12. COUNTY OR PARISH San Juan
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

SPUD NOTICE/SURF CASING

☐  
☐  
☐  
☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above referenced well was spud on 8/15/90 by Four Corners Rig # 6. Drilled to a depth of 243'; RU and ran 9 5/8", 36# J-55 ST&C casing, set @ 234'; cemented with 200 sx Class "B"; circulated good cement to surface. Tested 9 5/8" to 2000 psi, OK. Presently drilling ahead.

RECEIVED  
SEP 11 1990  
OIL CON. DIV.  
DIST. 3

xc: BLM-F (0+5), WF, Reg, Land, Expl., Drilling

18. I hereby certify that the foregoing is true and correct

SIGNED

*Charles D. McKee*

TITLE

Sr. Regulatory Analyst

DATE

8/16/90

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DATE

AUG 31 1990

RESERVOIR

FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

BY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
SF 078119

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
FC FEDERAL

9. WELL NO.  
# 3

10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
Sec. 13-32N-11W -

12. COUNTY OR PARISH 13. STATE  
San Juan NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

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 any State requirements.\*  
See also space 17 below.)  
At surface

820' FNL/1670' FEL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6284' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐  
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐  
SHOOT OR ACIDIZE ☐ ABANDON\* ☐  
REPAIR WELL ☐ CHANGE PLANS ☐  
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐  
FRACTURE TREATMENT ☐ ALTERING CASING ☐  
SHOOTING OR ACIDIZING ☐ ABANDONMENT\* ☐  
(Other) TD NOTICE/PROD CASING ☒

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above referenced well TD'd @ 0045 hrs on 8/20/90 @ 2675'. RU and ran 7" 23# N-80 LT&C casing, set @ 2675'. Cemented with 400 sx 65% Class "B" w/35% Poz and tailed in w/100 sx Class "B" w/0.8% CF-1. Circulated good cement to surface. WOCU. Will test casing when RU to complete.

RECEIVED  
SEP 11 1990  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct  
cc: BLM(F) 045), WF, Reg, Land, Expl., Drlg.

SIGNED Charles McKee

TITLE Sr. Regulatory Analyst

DATE 8/21/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE  
SEP 06 1990

FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

BY WT