

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. SF 046563	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR MESA OPERATING LIMITED PARTNERSHIP				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. BOX 2009, AMARILLO, TEXAS 79189				8. FARM OR LEASE NAME FC FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2262' FSL & 1754' FWL At proposed prod. zone Same				9. WELL NO. # 17	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles south of Bloomfield, New Mexico				10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1754'		16. NO. OF ACRES IN LEASE 2522.06		17. NO. OF ACRES ASSIGNED TO THIS WELL 320	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 450'		19. PROPOSED DEPTH 2070'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM and appeal pursuant to 43 CFR 2.283				DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12 1/4"	8 5/8"	24#	200'	150 (177 Ft ³) sx "B" + 2% GC	
7 7/8"	5 1/2"	17#	2070'	250 (475 Ft ³) Poz/200(236Ft ³) "B"	

Propose to spud well with 12 1/4" hole and drill to 200' and set 8 5/8" surface casing. Will cement with 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 $\pm 2070'$ 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 $\pm 2070'$ and cement with 250 sx Pozmix followed by 200 sx Class "B" cement. Will move off drilling rig and move in completion unit.

xc: BLM-Farmington (0+5), ONMCD-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 Cara M. McKee TITLE Regulatory Analyst DATE 6/25/90

(This space for Federal or State office use)

PERMIT

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL

RECEIVED

OIL CON. DIV.
DIST. 3

*See Instructions On Reverse Side

APPROVED
AS AMENDED

AREA MANAGER

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 Mesa Operating Limited Partnership			Lease FC Federal		Well No. 17
Unit Letter K	Section 34	Township 28N	Range 10W	County NMPM	San Juan
Actual Footage Location of Well: 2262 feet from the South line and 1754 feet from the West line					
Ground level Elev. 5977'	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal	Dedicated Acreage: W/2 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

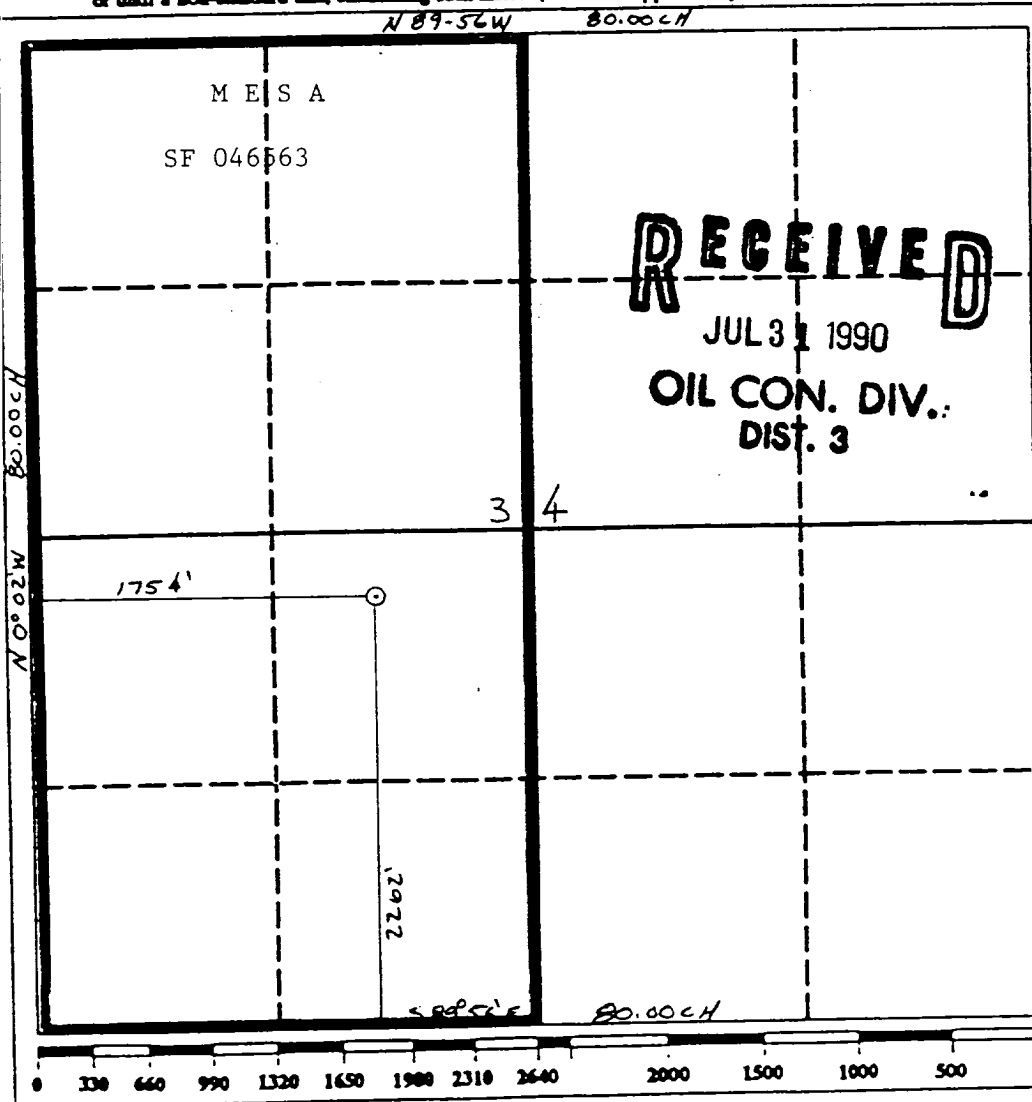
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



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

Sr. Regulatory Analyst

Company

Mesa Limited Partnership

Date

7/19/90

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.

5-21-90

Date Surveyed

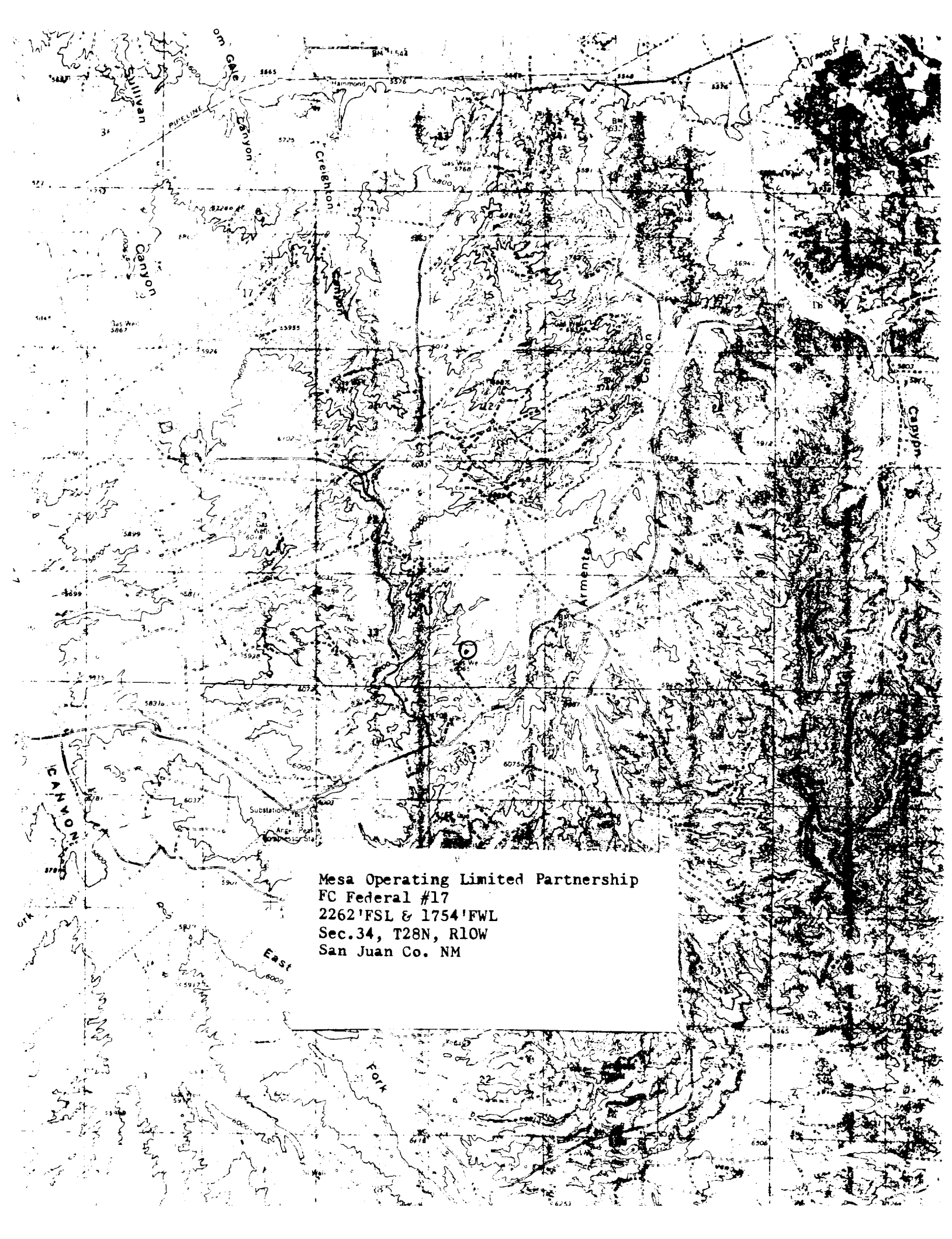
Roy A. Rush

Signature & Seal of Professional Surveyor

ROY A. RUSH
NEW MEXICO
8894
CERTIFIED PROFESSIONAL LAND SURVEYOR

Certificate

8894



Mesa Operating Limited Partnership
FC Federal #17
2262' FSL & 1754' FWL
Sec. 34, T28N, R10W
San Juan Co. NM