

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 079968	
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 1685' FNL & 1495' FEL At proposed prod. zone Same				9. WELL NO. # 36	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles north of Farmington, 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) 1495'		16. NO. OF ACRES IN LEASE 2482.72 2523.72		17. NO. OF ACRES ASSIGNED TO THIS WELL N/2 320	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 288'		19. PROPOSED DEPTH 1100'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5439' GR				22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.				DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	90 sx "B" + 2% CaCl (Surface)	
12 1/4"	8 5/8"	24#	120'	100 Poz/150 "B" (Surface)	
7 7/8"	5 1/2"	17#	1100'		

Propose to spud well with 12 1/4" hole and drill to 120' and set 8 5/8" surface casing. Will cement with 90 sx (105 Ft³) Class "B" and raise cement to surface. Will nipple up 2000 psi BOP assembly and drill 7 7/8" hole to TD of + 1100' 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 + 1100' and cement with 100 sx (180 Ft³) Pozmix followed by 150 sx (172 Ft³) 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 <i>Carolyn L. McKee</i> TITLE Regulatory Analyst		DATE 6/20/90
(This space for Federal or State office use)		APPROVED
PERMIT NO. RECEIVED	APPROVAL DATE	AS AMENDED
APPROVED BY AUG 06 1990	TITLE	AUG 01 1990
CONDITIONS OF APPROVAL, IF ANY		AREA MANAGER
OIL CON. DIV.]	NMOCD	
DIST. 3		

*See Instructions On Reverse Side

1913
JAN 10 1913

W. WOOD

1913

W. WOOD

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-103
Revised 1-1-89

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

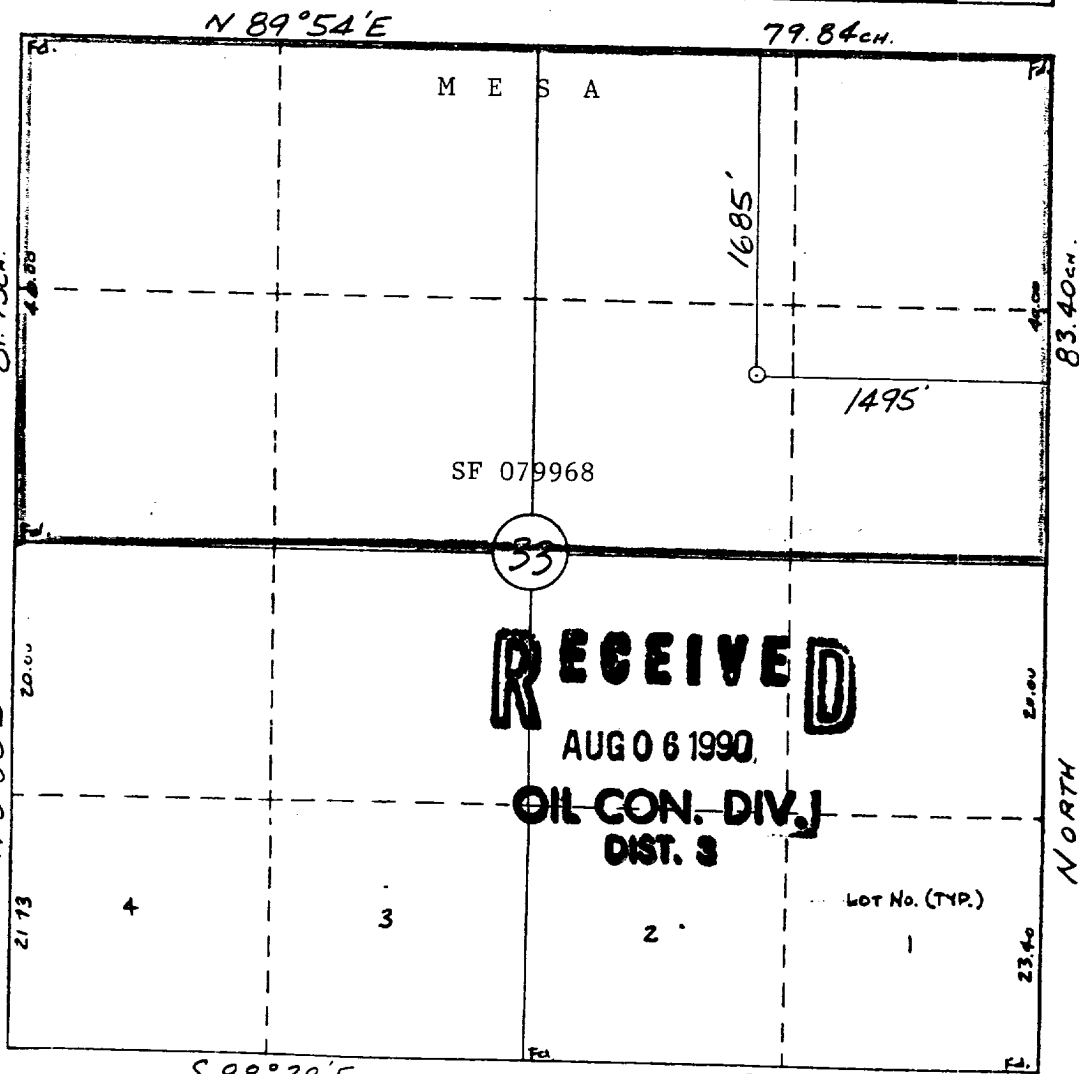
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MESA OPERATING LIMITED PARTNERSHIP			Lease FC FEDERAL		Well No. 36
Unit Letter G	Section 33	Township 30 N	Range 14 W	County San Juan	
Actual Footage Location of Well: 1685 feet from the North line and 1495 feet from the East line					
Ground level Elev. 5439	Producing Formation Fruitland		Pool Basin Fruitland Coal	Dedicated Acreage: N/2 320 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 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.

0 330 660 990 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 L. McKee
Printed Name
Carolyn L. McKee

Position
Regulatory Analyst

Company
Mesa Ltd Partnership

Date
6/20/90

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.

6-5-90

Date Surveyed
William E. Marinko II

Signature of Surveyor
William E. Marinko II

Professional Land Surveyor
#8466

MESA OPERATING LIMITED PARTNERSHIP
FC FEDERAL #36
1685'FNL & 1495'FEL
Sec.33, T30N, R14W
San Juan Co., N.M.