

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 078048
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR MESA OPERATING LIMITED PARTNERSHIP		7. UNIT AGREEMENT NAME NA
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 1380' FNL & 800' FEL At proposed prod. zone Same		9. WELL NO. # 20
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 22 miles east of Blanco		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) 800'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28-26N-7W
16. NO. OF ACRES IN LEASE 2,560		12. COUNTY OR PARISH Rio Arriba
17. NO. OF ACRES ASSIGNED TO THIS WELL N/2 320		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5280'		19. PROPOSED DEPTH 2400'
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6271' GR
22. APPROX. DATE WORK WILL START*		

PROPOSED CASING AND CEMENTING PROGRAM				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 (177Ft ³)	150 (177Ft ³) sx 'B' +2% CaCl ₂ (Surf)
7 7/8"	5 1/2"	17#	2400'	250 (450Ft ³)	250 (450Ft 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 150 sx Class "B" and raise cement to surface. Will nipple up 2000 psi BOP assembly and drill 7 7/8" hole to TD of + 2400' 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 + 2400' and cement with 250 sx Pozmix followed by 200 sx Class "B" cement in accordance with NTL-FRA 90-1. Will move off drilling rig and move in completion unit.

xc: BLM-Farmington (0+5), WF, Reg, Land, Expl., Drilling
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 <u>Cathy L. McKee</u>	TITLE <u>Sr. Regulatory Analyst</u>	DATE <u>7/30/90</u>
(This space for Federal or State use only)		
PERMIT NO. <u>RECEIVED</u>	APPROVAL DATE	
APPROVED BY <u>SEP 04 1990</u>	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

OIL CON. DIV.
DIST. 3

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-102
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

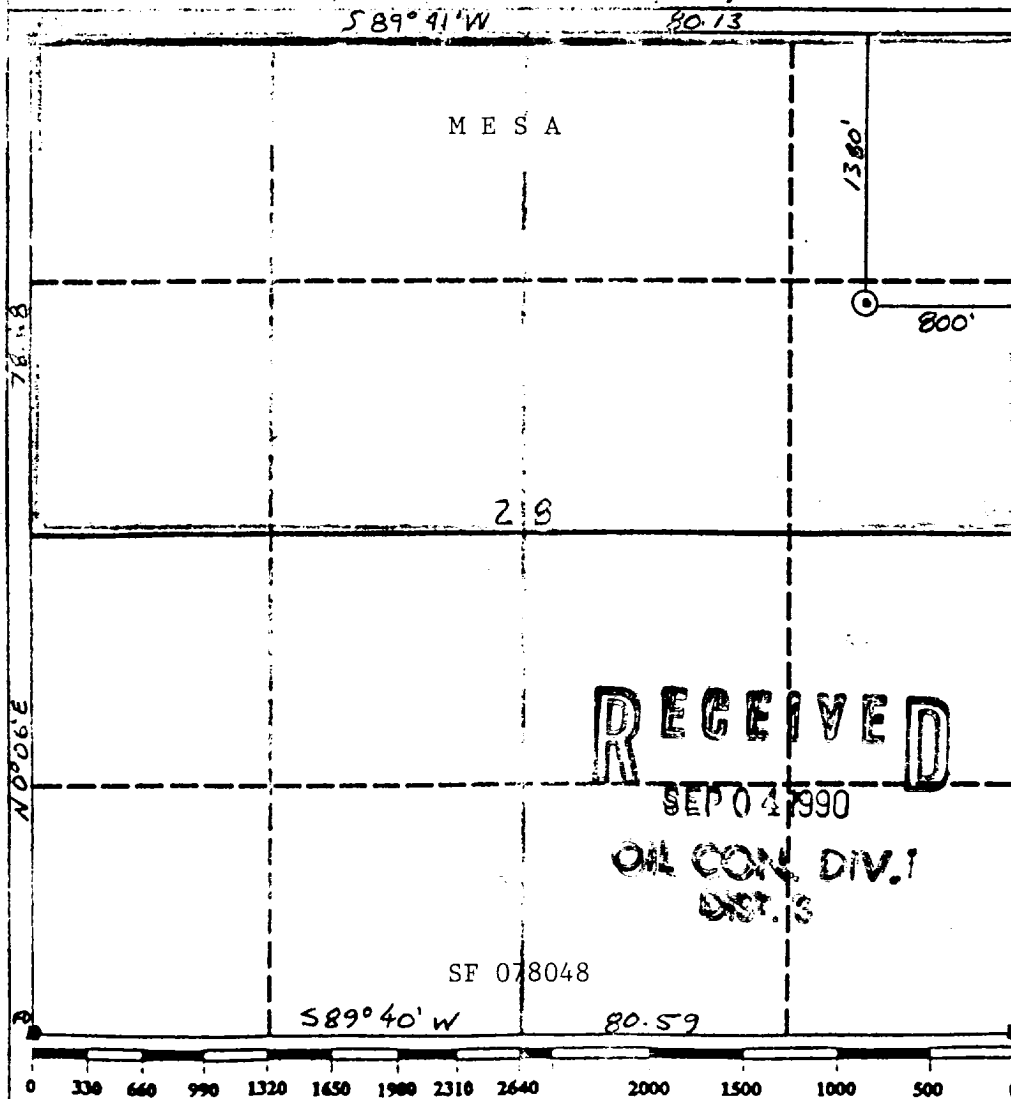
1000 Rio Brazos Rd., Aztec, NM 87410

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. 20
Unit Letter H	Section 28	Township 26N	Range 7W	County NMPM Rio Arriba	
Actual Footage Location of Well: 1380 feet from the North line and 800 feet from the East line					
Ground level Elev. 6271'	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal		Dedicated Acreage: N/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 "no" 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, which does not meet the requirements 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
Carolyn L. McKee
Printed Name
Carolyn L. McKee

Position
Sr. Regulatory Analyst
Company
Mesa Ltd Partnership
Date
7/30/90

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.

Date Surveyed
7-09-90
Roy A. Rush

Signature & Seal of Professional Surveyor
Roy A. Rush
8894
Certificate
8894

