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SUBMIT IN **PLICATE***
(Other instr on reverse side)Form approved.
Budget Bureau No. 42-R1425.NMOCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22613

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. NM 10779-A
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 Petroleum Co		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1000 Vaughn Building/Midland, Texas 79701		8. FARM OR LEASE NAME Adams Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 2080' FWL Same as above		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 miles northeast of Carlsbad, N.M. ARTESIA, OFFICE		10. FIELD AND POOL OR WILDCAT Undesignated Morrow
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 31, T19S, R31E
16. NO. OF ACRES IN LEASE 439.02		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 319.02		13. STATE N. Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		14. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3441 GR		22. APPROX. DATE WORK WILL START* Aug. 1, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48	850	800 (or sufficient to circ)
12-1/4	8-5/8	24-32	4200	2300 (or sufficient to circ)
7-7/8	4-1/2	11.6	12500	700

Propose to drill 17½" surface hole (through 20" conductor pipe) to 850' using fresh water but without BOPs. After running casing and circulating cement to the surface, will install 13-3/8" x 12" API 3000 psi bradenhead. Will nipple up 12" API 3000 psi BOPs (hydraulic pipe and blind with hydri), then drill 12¼" hole to approximately 4200' using brine water. Will run 8-5/8" casing and circulate cement to surface. Will install 12" BOPs, same as before, then drill 7-7/8" hole to total depth. Plan to initially use fresh water converting to cut brine and KCL near 10,000'. Maximum expected mud weight will be 10.1-10.2 PPG, based upon results of offset wells.

Operator's gas is not committed to any purchaser.

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 Michael P. Houston TITLE Division Engineer DATE 5-18-78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

XC: JLF, JWH, MEC, RRD, USGS, FILE, W.I.OWNERS