

NMOCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse)Form approved
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> RE DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-10779-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <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		8. FARM OR LEASE NAME Adams Federal
4. LOCATION OF WELL (Report location clearly and in accordance with requirements.) At surface 660' FSL & 2080' FWL At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 miles northeast of Carlsbad		10. FIELD AND POOL, OR WILDCAT Undesignated - Yates
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. 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 40		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		19. PROPOSED DEPTH (2150'*)
20. ROTARY OR CABLE TOOLS (completion Unit*)		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3441
22. APPROX. DATE WORK WILL START* February 7, 1979		

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	54.50	1000'	500 HLW + 300 "C"
12 1/4	8 5/8	24-32	4200' }	1600 HLW + 300 "C" + 1390

*Application to drill, with all archaeological reports and supplemental information was filed on May 18, 1978, to drill to Morrow at approximately 12,500'. Approval to drill was granted on July 14, 1978. Due to rig scheduling problems, an extension was requested and subsequently granted on October 2, 1978. This well was spudded on October 19, 1978 and reached total depth of 12,507' on January 24, 1979. After running radioactive and electric logs, in conjunction with DST's, etc, the lower portion of the hole was determined to be non-commercial. Cement plugs were set to plug all intervals below 2173' (see attached Form 9-331).

Propose to move in completion unit and perforate and test Yates interval of 2066'-2098' before abandonment. BOPs will consist of 10" API 3000 psi WP. No additional changes from the original program are anticipated.

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 Steve Douglas TITLE Engineer DATE 2-1-79
(This space for Federal or State office use)

FEB 5 - 1979

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE FEB 5 - 1979
CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, MEC, JWH, JBH, FILE, USGS, WI OWNERS

*See Instructions On Reverse Side