

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	1

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION

MAY 11 1977

O. C. C.
ARTERIA, OFFICE

30-015-2215-3

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name Strong Federal Com	
c. Name of Operator Mesa Petroleum Co		9. Well No. 1	
3. Address of Operator 1000 Vaughn Building, Midland, Texas 79701		10. Field and Pool, or Wildcat White City Penn	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1650</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>24S</u> RGE. <u>26E</u> NMPM		12. County Eddy	
19. Proposed Depth 11,600		19A. Formation Morrow	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3285 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Big West	22. Approx. Date Work will start June 15, 1977

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20	16	65	250	300	CIRC
14-3/4	10-3/4	40.5 - 45.5	2000	1100 LW + 300	CIRC
9-1/2	7-5/8	26.4 - 29.7	8600	300 LW + 200	5500
6-1/2	4 1/2" or 5" liner		8300'-11,600'	500	Cover Liner

Propose to drill 20" surface hole with fresh water to 250' without BOP's. After setting 16" conductor casing, will drill out with brine water and drill to 2000' without BOP's. Will set 10-3/4" surface casing and circulate cement to the surface. Will then nipple up 12" API 3000 BOP's (1 set pipe rams, 1 set blind rams, and hydril) and drill to approximately 8600' using fresh water. Some addition of brine will be necessary to control hole. Will set 7-5/8" casing and nipple up 10" API 5000 psi BOP's. Will test BOP's with independent concern and commence drilling 6 1/2" hole to total depth using brine and polymer brine mud as necessary. Maximum anticipated mud weight will be 10.4 PPG based upon offsetting wells. A 5" (or 4 1/2") liner will be set at total depth. Operator's gas for the subject lease has not been committed.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 8-13-77

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Michael P. Houston Title Division Engineer Date May 10, 1977

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT, H DATE MAY 13 1977

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, MEC, JWH, RHN, 5 NMOCC, WI OWNERS