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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 9 1977

O. C. C.

ARTESIA OFFICE

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-015-27145

Form O-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.
7. Unit Agreement Name
8. Farm or Lease Name
Smith Federal Com.
9. Well No.
1
10. Field and Pool, or Wildcat
White City Penn
12. County
Eddy
19. Proposed Depth
11,850'
19A. Formation
Morrow
20. Rotary or C.T.
Rotary
21. Elevations (Show whether DF, RT, etc.)
3270 GR
21A. Kind & Status Plug. Bond
Blanket
21B. Drilling Contractor
Big West
22. Approx. Date Work will start
May 7, 1977

1a. Type of Work	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
b. Type of Well	OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	Mesa Petroleum Co
3. Address of Operator	1000 Vaughn Bldg., Midland, Texas 79701
4. Location of Well	UNIT LETTER <u>F</u> LOCATED <u>1700</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>23</u> TWP. <u>24S</u> RGE. <u>26E</u> NMPM
19. Proposed Depth	11,850'
19A. Formation	Morrow
20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	3270 GR
21A. Kind & Status Plug. Bond	Blanket
21B. Drilling Contractor	Big West
22. Approx. Date Work will start	May 7, 1977

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13-3/8"	48	400	425	circ to surface
12 1/4"	8-5/8"	24-32	5500	800 LW + 200	1700'
7-7/8"	4 1/2"	11.6-13.5	11,850	975	8000'

Propose to drill surface hole with water but without BOPs. After setting 13-3/8" csg and installing bradenhead, will nipple up 12" API 3000 psi BOPs. Will drill intermediate hole with brine water to 5500' then set and cement 8-5/8" casing. Will nipple up 10" API 5000 psi BOPs (double ram and single bag) and drill from 5500' to total depth with water and cut brine water system. Maximum anticipated mud weight will be 10.4 PPG based on pressures in offset wells. After logging, will run 4 1/2" casing to total depth and cement with necessary volumes to adequately cover potential pay zones.

Acreage for the subject well has not been dedicated to a gas purchaser.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 8-10-77

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 4, 1977

(This space for State Use)

APPROVED BY W.A. Grasset TITLE SUPERVISOR, DISTRICT II DATE MAY 10 1977

CONDITIONS OF APPROVAL, IF ANY:

XC: MEC, JLF, JWH, 5 NMOCC, Partners, RHN