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NEW MEXICO OIL CONSERVATION COMMISSION

30-045-22344
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-6714 & LG-3016 see plat	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name State Com	
2. Name of Operator Mesa Petroleum Company		9. Well No. 45	
3. Address of Operator P.O. Box 2009, Amarillo, Texas 79105		10. Field and Pool, or Wildcat Twin Mounds Pictured Cliff	
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1850</u> FEET FROM THE <u>South</u> LINE AND <u>1190</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>32</u> TWP. <u>30N</u> RGE. <u>14W</u> NMPM		12. County San Juan	
19. Proposed Depth 1135		19A. Formation Pictured Cliff	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 5417 GL	
21A. Kind & Status Plug. Bond State Wide		21B. Drilling Contractor Coleman	
22. Approx. Date Work will start 2-14-77			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	20	125	90 class "B" + 2% CaCl ₂	Surface
7 7/8	3 1/2	9.2	1135	100 class "B" & 75 65-35 Poz plus 12% gel	Surface

Move in and rig up rotary tools. Drill 12 1/4" hole to 125 feet. Run 8 5/8" casing as above. Install 10" 900 series blow out preventers and test. Drill 7 7/8" hole to 1135 feet. Run open hole logs. If well is commercial, 3 1/2" casing will be run and cemented as above. If well is not commercial, it will be plugged and abandoned as per Oil Conservation Commission Instructions.

No abnormal pressures are anticipated and the well will be drilled with mud having the following characteristics: Wt. 9.0⁺, Viscosity 32⁺, WL 10⁺.

Gas under this lease is not dedicated to an existing contract.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 5-12-77



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS FOR 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 Jack D. Cook Title Agent Date 2-11-77

(This space for State Use)

APPROVED BY AR Kendrick TITLE SUPERVISOR DIST. #3 DATE FEB 14 1977

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the Section

Operator MESA PETROLEUM COMPANY			Lease STATE COMM.		Well No. 45
Unit Letter I	Section 32	Township 30 NORTH	Range 14 WEST	County SAN JUAN	
Actual Four-Corner Location of Well: 1850 feet from the SOUTH line and 1190 feet from the EAST line					
Ground Level Elev. 5417	Producing Formation Pictured Cliff	Pool Twin Mounds Pictured Cliff	Dedicated Acreage: 166.16 Acres 160		

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 interests of all owners been consolidated by communization, unitization, force-pooling, etc?
 () Yes () No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this Form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

William T. Jones
Name

Agent
Position

Mesa Petroleum Company
Company
February 11, 1977
Date

I hereby certify that the well location shown on this plat was located 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.

28 January 1977
Date Surveyed
James P. Leese
Registered Professional Engineer
and/or Land Surveyor

1463
Certificate No.

