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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

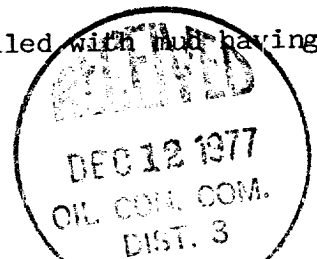
1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name State Com	
2. Name of Operator Mesa Petroleum Company		9. Well No. 45	
3. Address of Operator P.O. Box 2009, Amarillo, Texas 79105		10. Field and Pool, or Wildcat Twin Mounds Pictured Cliff	
4. Location of Well UNIT LETTER I LOCATED 1850 FEET FROM THE South LINE AND 1190 FEET FROM THE East LINE OF SEC. 32 TWP. 30N RGE. 14W 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 1-30-78			

23. 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.



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 Jack D. Cook, Title Agent Date 12-8-77

(This space for State Use)

APPROVED BY AR Gendrick TITLE SUPERVISOR DATE 12-8-77

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND AVERAGE 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 Footage 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: 160	Acres

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 communitization, 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 communitization, 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

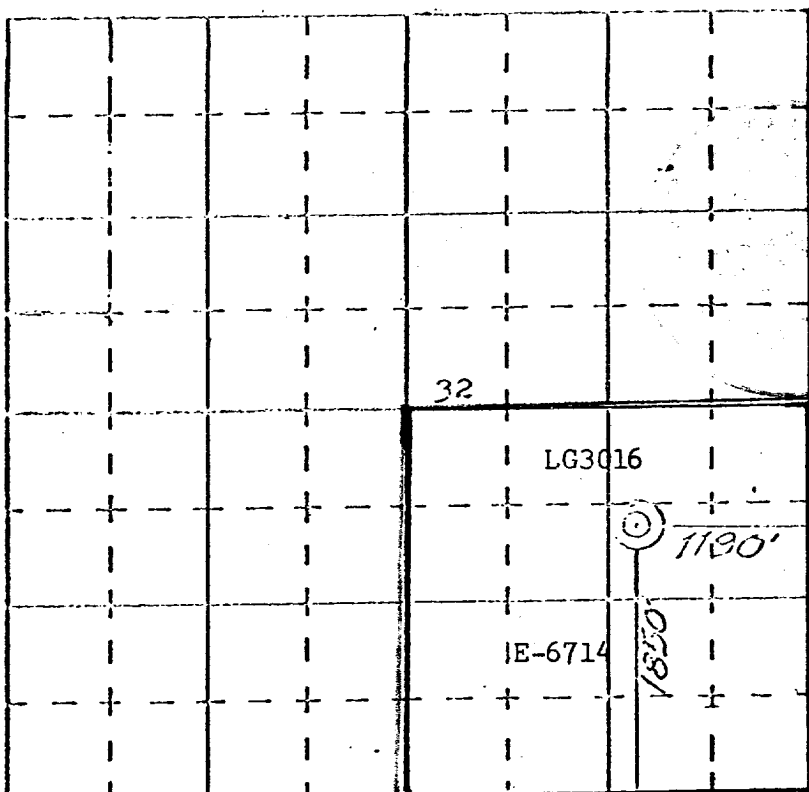
February 11, 1977
Date

NO. 1763
Date

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

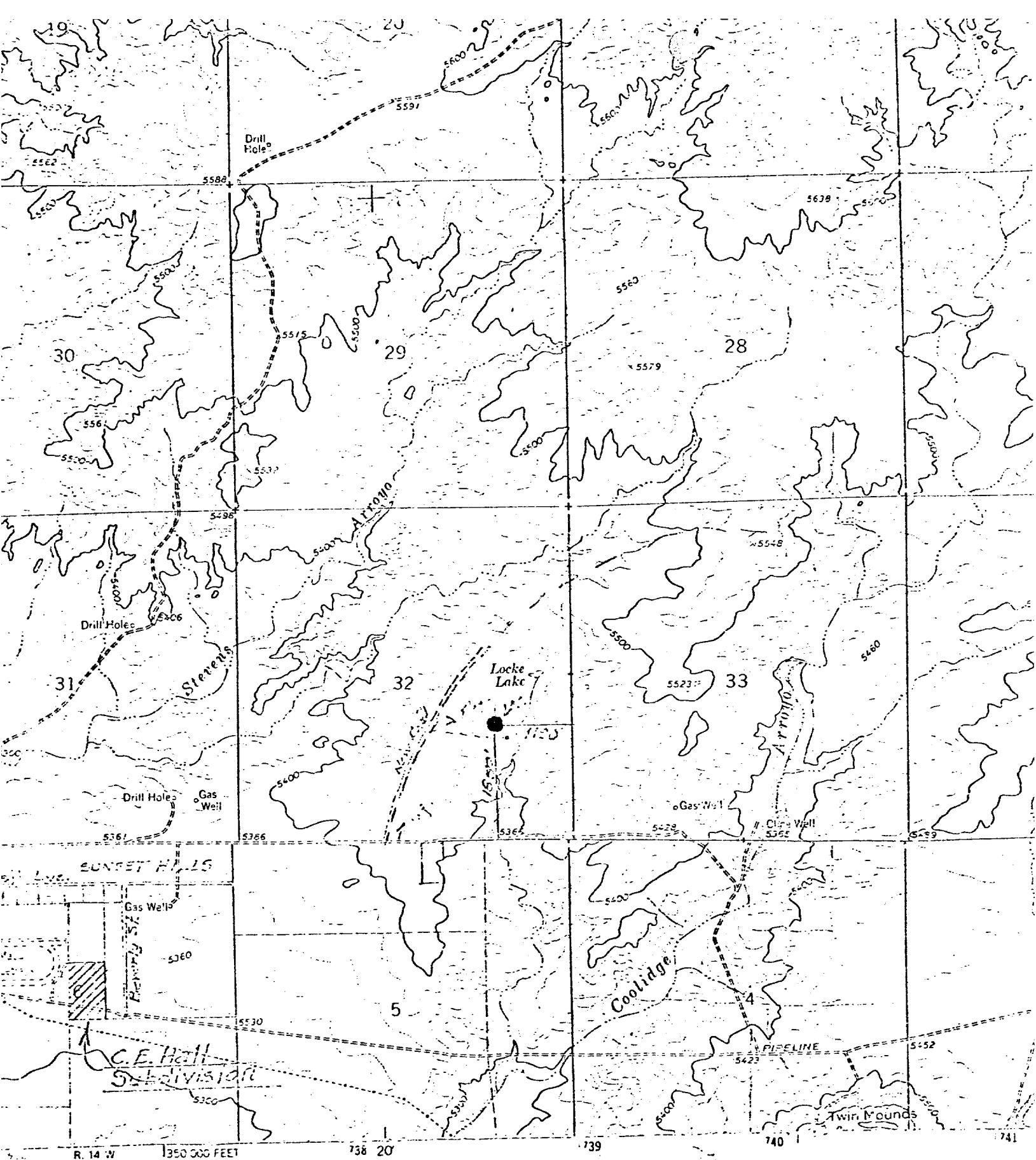
28 January 1977
Date Surveyed

James P. Leese
Registered Professional Engineer
and/or Land Surveyor

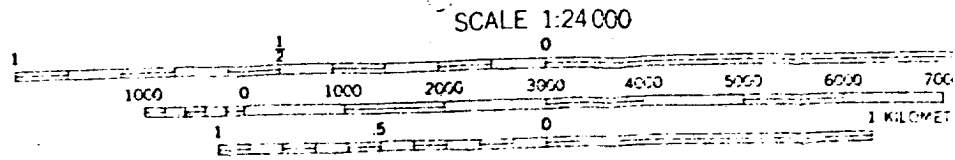
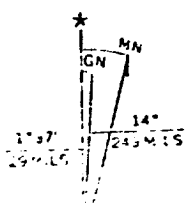


1463

Certificate No.



Survey



SCALE 1:24 000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL