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NEW MEXICO OIL CONSERVATION COMMISSION

APPROVED FOR 90 DAYS PERMIT
DRILLING PROGRAM

EXPIRES 9-18-77

30-045-22586
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.
E-3149, E-1202
E-5226-1, B-11183-45

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 Comm Q	
2. Name of Operator Mesa Petroleum Company		9. Well No. 13A	
3. Address of Operator P.O. Box 2009, Amarillo, Texas 79105		10. Field and Pool, or Wildcat Blanco Mesa Verde	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1500</u> FEET FROM THE <u>south</u> LINE AND <u>1450</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>36</u> TWP. <u>29N</u> RGE. <u>8W</u> NMPM		12. County San Juan	
21. Elevations (Show whether DF, RT, etc.) 6417 GL		19. Proposed Depth 5450	19A. Formation Mesa Verde
21A. Kind & Status Plug. Bond State wide	21B. Drilling Contractor unknown	20. Rotary or C.T. Rotary	
22. Approx. Date Work will start July 1, 1977			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	200'	200 sacks class	surface
12¼"	7"	20#	3200'	"B" + 2% CaCl ₂	2000'
6¼"	4½" liner	11.6#	5450	300 sacks class "B" + 6% gel, 100 sacks class "B" + 2% CaCl ₂	3000'

275 sacks 50/50 Poz mix with
2 % gel

Move in - rig up rotary tools, Drill 17½" hole to 200 feet and set 200 feet 13 3/8" casing as above. Install blow out preventer and test. Drill 12¼" hole to 3200 with native mud of 9# per gallon ±, vis 35 sec. per quart and w/ ± 10 cc, with appropriate lost circulation material. Set 3200 feet 7" 20# casing as above. Rig up gas compressor and drill 6¼" hole from under 7" intermediate with gas. Drill to 5450 feet and run 4½" liner as above, liner hanger to be pack-off type set 200 feet inside 7" casing.

No abnormal pressures are expected. Gas under this lease is dedicated to a 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 John Alexander Title Agent Date 6-14-77
(This space for State Use)

ORIGINAL SIGNED BY N. E. MAXWELL, JR.

PETROLEUM ENGINEER DIST. NO. 3

JUN 24 1977

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

All distances must be from the outer boundaries of the Section

Operator MESA PETROLEUM COMPANY			Lease STATE COMM. "Q"		Well No. 13 A
Unit Letter J	Section 36	Township 29 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 1500 feet from the SOUTH line and 1450 feet from the EAST line					
Ground Level Elev. 6417	Producing Formation Mesaverde		Pool Blanco-Mesaverde		Dedicated Acreage: 320 MV <i>Notes</i>

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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?

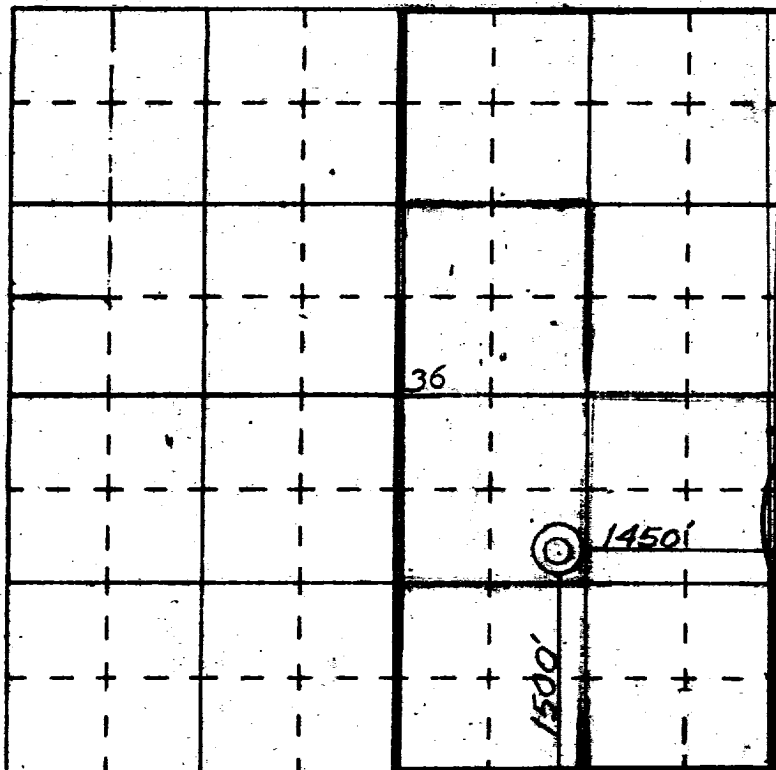
(x) Yes () No If answer is "yes," type of consolidation Communitized

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.

State E-3149 SW/4 NE/4 & E/2 SE/4 (Texaco, Inc.)

State E-1202 NW/4 SE/4 (EPNG)



State E-5226-1 N/2 NE/4 & SE/4 NE/4 (Mesa)
B-11183-45 SW/4 SE/4 (Mesa)

CERTIFICATION

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

S. E. Dobler
Name

S. E. Dobler

Position

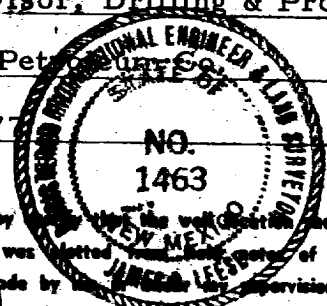
Supervisor, Drilling & Prod.

Company

Mesa Petroleum Co.

Date

2/21/77



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.

26 January 1977

Date Surveyed

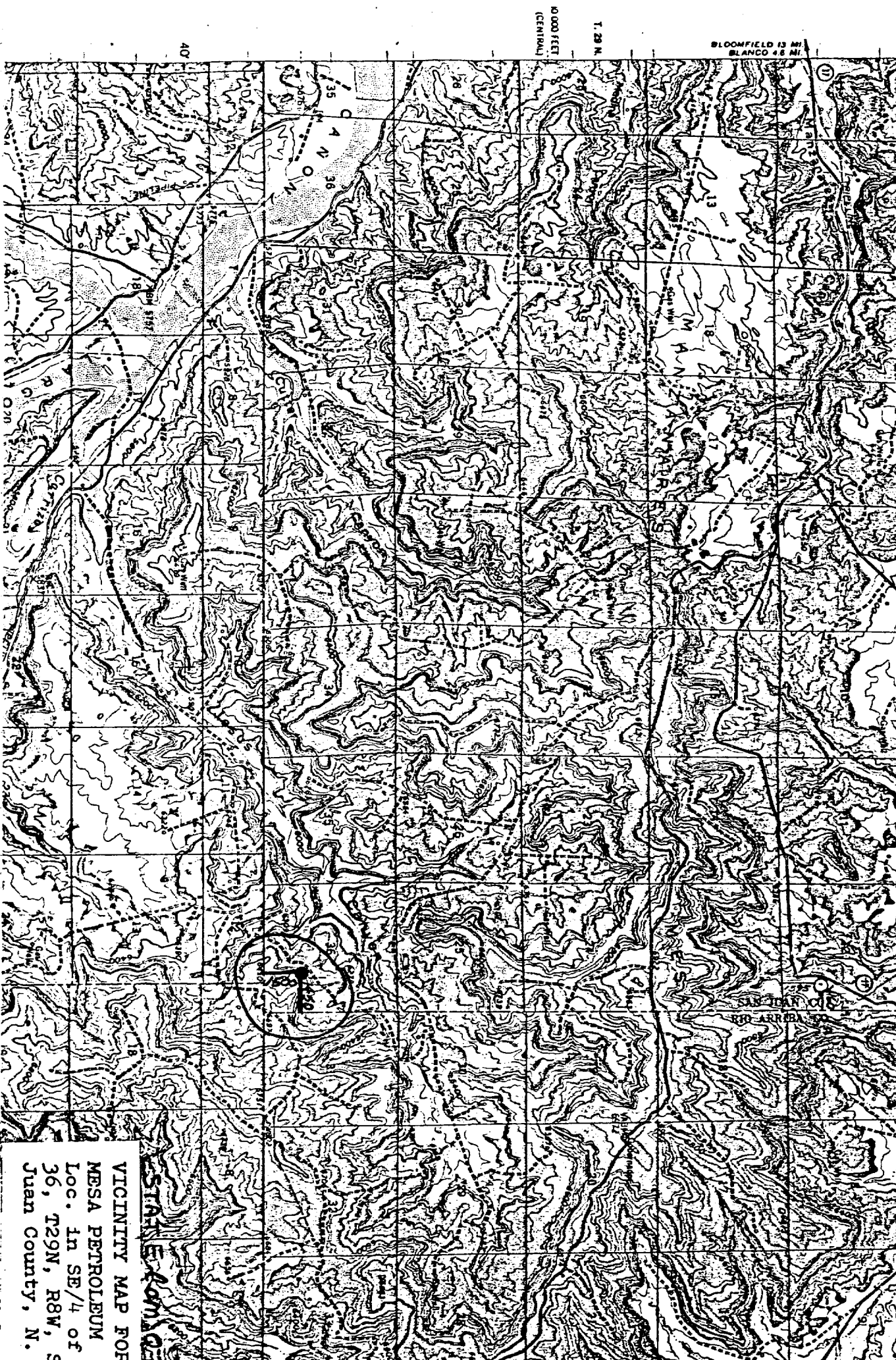
James P. Leese
Registered Professional Engineer
and/or Land Surveyor James P. Leese

1463

Certificate No.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

107°45' 1550000 E. 8 9 W. 10000 FEET (CENTRAL)
36°45' 700000 N.
BLOOMFIELD 13 MI.
BLANCO 48 MI.



VICINITY MAP FOR
MESA PETROLEUM
Loc. in SE/4 of
36, T29N, R8W, S
Juan County, N.