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NEW MEXICO OIL CONSERVATION COMMISSION

**JUN 29 1978**

**O. C. C.**  
ARTESIA, OFFICE

**30-015-22615**  
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.	
L-1024	

**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"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Farm or Lease Name Hackberry State		
2. 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 Und. White City Penn		
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>25S</u> RGE. <u>26E</u> NMPM			12. County Eddy		
19. Proposed Depth 12,050'			19A. Formation Morrow		20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3425 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Moranco	22. Approx. Date Work will start August 1, 1978		

23.

**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	350	Circ
14-3/4	10-3/4	40.5-45.5	1900	1200	Circ
9-1/2	7-5/8	26.4-29.7	8700	600	5500
6-1/2	4 1/2 or 5" liner		8400-12050	550	Cover liner

Propose to drill 20" surface hole with fresh water to 250' without BOPs. After setting 16" conductor casing, will drill out with brine water and drill to 1900' while utilizing rotating head on temporary wellhead. Will set 10-3/4" casing and circulate cement to the surface. Then will cut off temporary wellhead, install permanent wellhead and nipple up 12" API 3000 psi BOPs (1 set pipe rams, 1 set blind rams, and hydril). Will drill to approximately 8700' using fresh water with small addition of brine to control hole. Will set and cement 7-5/8" casing to 8700' and nipple up 10" API 5000 psi BOPs. Will test BOPs with independent concern and commence drilling 6 1/2" hole to total depth using brine polymer mud as required. Maximum anticipated mud weight will be 11.0 PPG based upon neighboring wells.

APPROVAL VALID  
FOR 45 DAYS UNLESS  
DRILLING COMMENCED,

Operator's gas for the subject well has not been committed.

EXPIRES 10-14-78

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 June 27, 1978

(This space for State Use)

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE JUL 14 1978

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, JWH, MEC, FILE, NMOCD

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

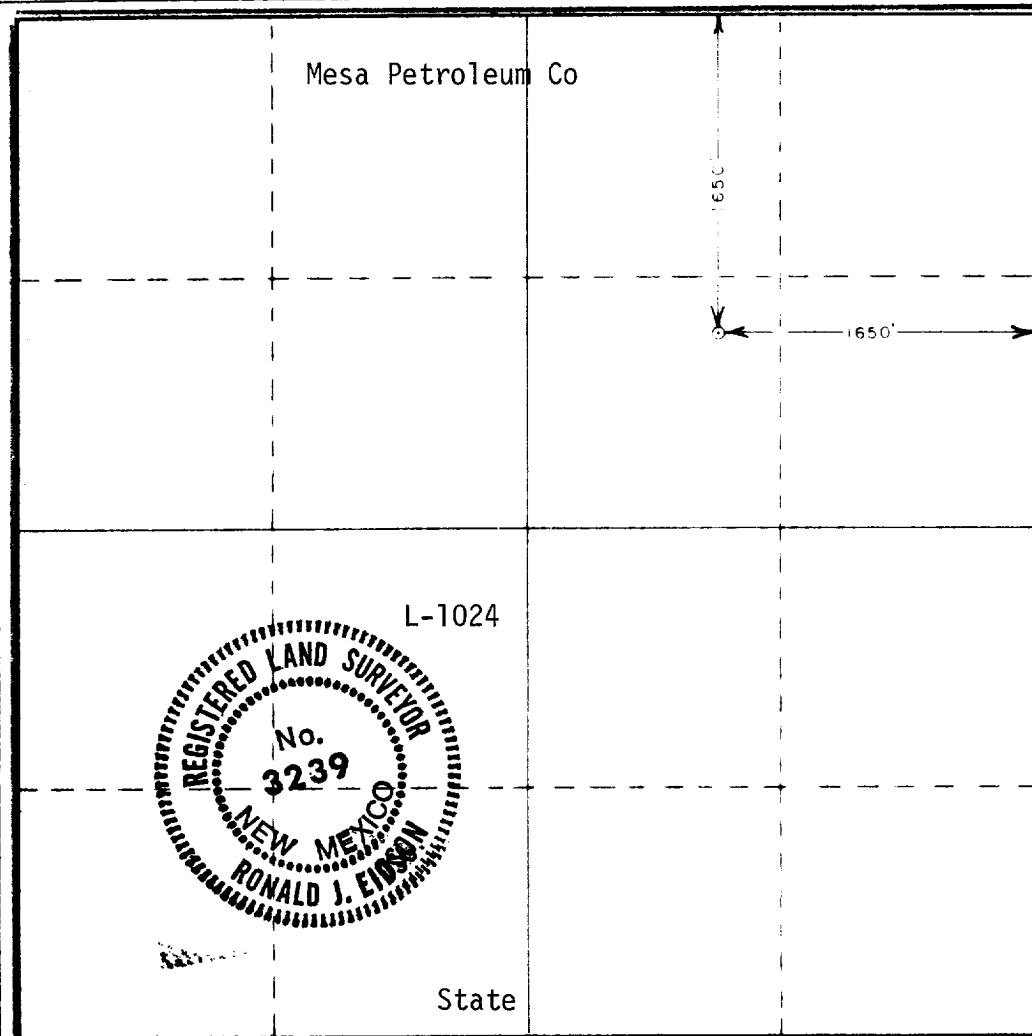
Operator <b>Mesa Petroleum Co.</b>			Lease <b>Hackberry State</b>		Well No. <b>1</b>
Unit Letter <b>G</b>	Section <b>16</b>	Township <b>25South</b>	Range <b>26East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>North</b> line and <b>1650</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3424.7</b>	Producing Formation <b>Morrow</b>		Pool <b>Und. White City Penn</b>		Dedicated Acreage: <b>640</b> 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 been 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.

*Michael P. Houston*

Name  
**Michael P. Houston**

Position  
**Division Engineer**

Company  
**Mesa Petroleum Co**

Date  
**June 28, 1978**

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.

Date Surveyed  
**May 22, 1978**

Registered Professional Engineer and/or Land Surveyor

*Ronald J. Eidson*

Certificate No. **John M. West 676**  
**Ronald J. Eidson 3239**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600