

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

NOV 1 1982

O. C. D.

ARTESIA OFFICE

Form C-101 30-005-61821
Revised 10-1-78

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SANTA FE	<input checked="" type="checkbox"/>
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U.S.G.S.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.
LG-5644

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		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 Mesa State Com
2. Name of Operator Mesa Petroleum Co. ✓		9. Well No. 2
3. Address of Operator P.O. Box 2009 / Amarillo, Texas 79189		10. Field and Pool, or Wildcat Diamond Mound Atoka-M
4. Location of Well UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 32 TWP. 15S RGE. 28E NMPM		12. County Chaves
19. Proposed Depth 9400		19A. Formation Atoka-Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3569' GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Dual Drilling
22. Approx. Date Work will start 11-1-82		

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#	350'	350	Surface
12 1/4" or 11"	8 5/8"	24#	1850'	1000	Surface
7 7/8"	4 1/2"	10.5#/11.5#	9400'	500	Sufficient to cover all pay

Propose to drill 17 1/2" hole to approximately 350' with fresh water gel flocculated with lime and pretreated with lost circulation material. Will cement 13 3/8" casing and nipple up 12" Bradenhead and 10" API 3000 psi BOPs and drill 11" hole to 1850' using fresh water, adding paper for seepage control. Will cement 8 5/8" casing with 200 sx Thixset + 825 sx LW, followed by 200 sx Class "C" or sufficient volume to circulate cement to bottom of surface casing. Will nipple up 12" API 3000 WP x 10" API 3000 WP Casinghead Spool and install 10" API 3000 psi WP BOP stack (consisting of 1 pipe ram, 1 blind ram, 1 bag type BOP) to drill 7 7/8" production hole to total depth. Maximum mud weight should not exceed 9.4 ppg based upon nearby well data.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5-3-83
UNLESS DRILLING UNDERWAY

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 William B. Nienten SR DEPT ENGR FOR R.E. MATHIS
Title Regulatory Coordinator Date 10-26-82

(This space for State Use)

APPROVED BY Mike Walker TITLE OIL AND GAS INSPECTOR DATE NOV 3 1982
CONDITIONS OF APPROVAL, IF ANY:

XC: NMOC-D-A (6), CEN RCDS, ACCTG, BRR, REM (FILE), MIDLAND, HOBBS, PARTNERS ()

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All distances must be from the outer boundaries of the Section.

NOV 1 1982

Operator Mesa Petroleum Co.		Lease Mesa State Com		Well No. #2
Well Letter F	Section 32	Township 15 South	Range 28 East	County ARTESIA OFFICE Chaves
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the West line				
Ground Level Elev. 3569	Producing Formation Atoka-Morrow	Pool Mound - Atoka Morrow Diamond	Dedicated Acreage: N/2 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

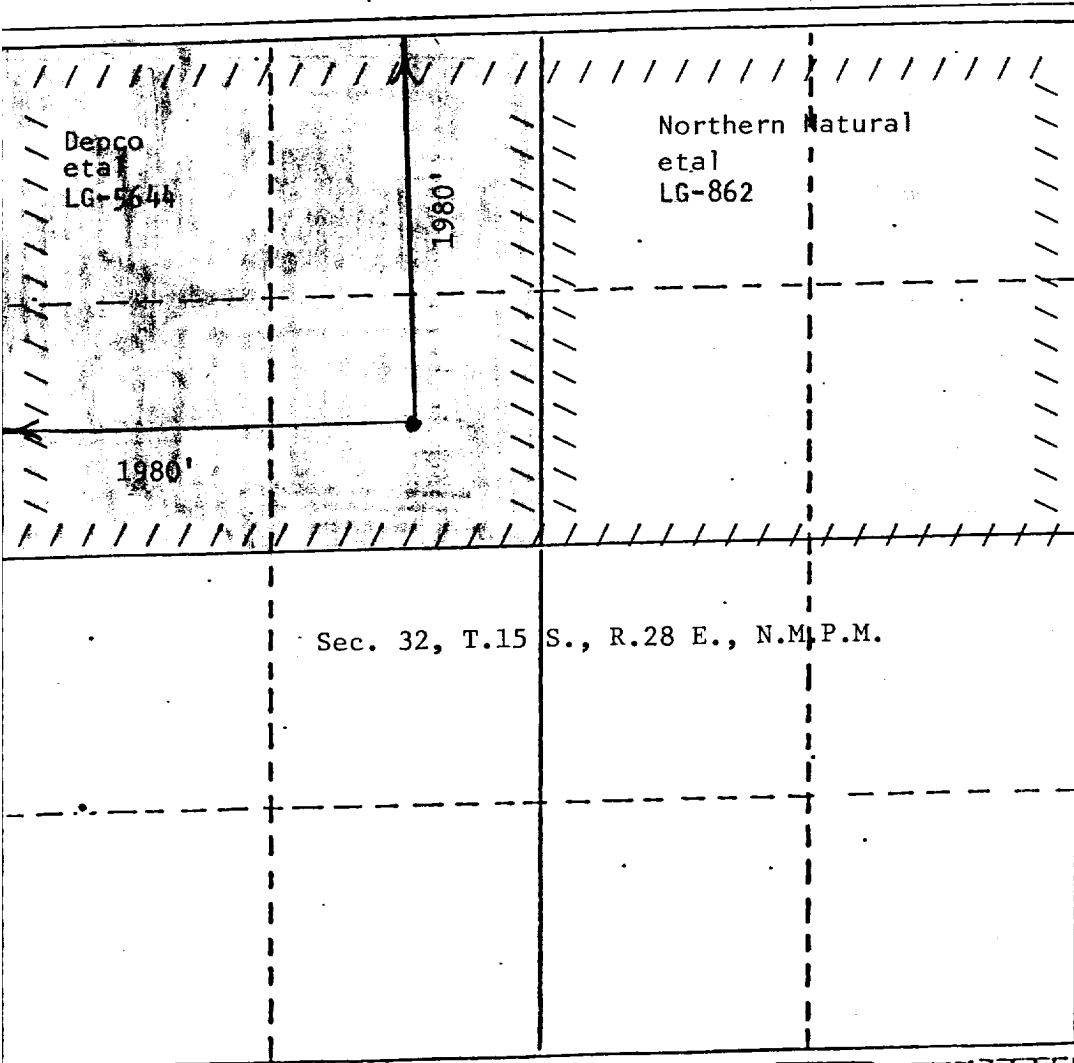
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 communitization in progress

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 Division.



CERTIFICATION

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

Name

R. E. Mathis

Position

Regulatory Coordinator

Company

Mesa Petroleum Co.

Date

10/26/82

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
October 22, 1982Registered Professional Engineer
and/or Land Surveyor

John D. Jaques, P.E. & L.S.

Certificate No.

6290