

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-21731

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR  
Mesa Petroleum Co.

3. ADDRESS OF OPERATOR  
P. O. Box 2009 Amarillo, Texas 79105

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface  
1640' FN & 850; FWL, Sec. 15, T32N-R11W, San Juan Co., N.M.  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
6 Miles Northwest of Cedar Hill, N.M.

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
Infill Mesaverde Well

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
5900'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6530' GL

22. APPROX. DATE WORK WILL START\*  
As rig availability

23. PROPOSED CASING AND CEMENTING PROGRAM Dictates

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	10 3/4"	32.75	150'	Suff. to Circulate
8 3/4"	7"	29.0	3600'	Suff. to cover Ojo Alamo
6"	4 1/2"	10.5	3400-5900'	Suff. to tie back into 7" csg.

Mesa proposes to drill a Mesaverde infill well at the above location to an approximate depth of 5900'. Electric Logs will be run from surface casing to 7" casing point and from bottom of 7" casing to T. D. Production liner will be set through the Mesaverde pay zone and perforated; then perforate the 7" casing and dually complete in the Pictured Cliffs formation. The pay zones will be isolated by utilizing a production packer.

EOP Program: Install 10", Series 900 double gate preventer on 10 3/4" casing. B. O. P. will be tested to 500 psi prior to drilling out cement in surface casing and 1000 psi prior to drilling out cement in intermediate casing.

All work will be conducted in accordance with rules and regulations of the Dept. of the Interior and the State of New Mexico.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B.J. Flaker TITLE Prod. Engr. DATE 2/25/75

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY 74 TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 4 1975

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

5-4521  
1-4000  
1-10000

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

JAN 29 1975

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

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

AMA. PROD.

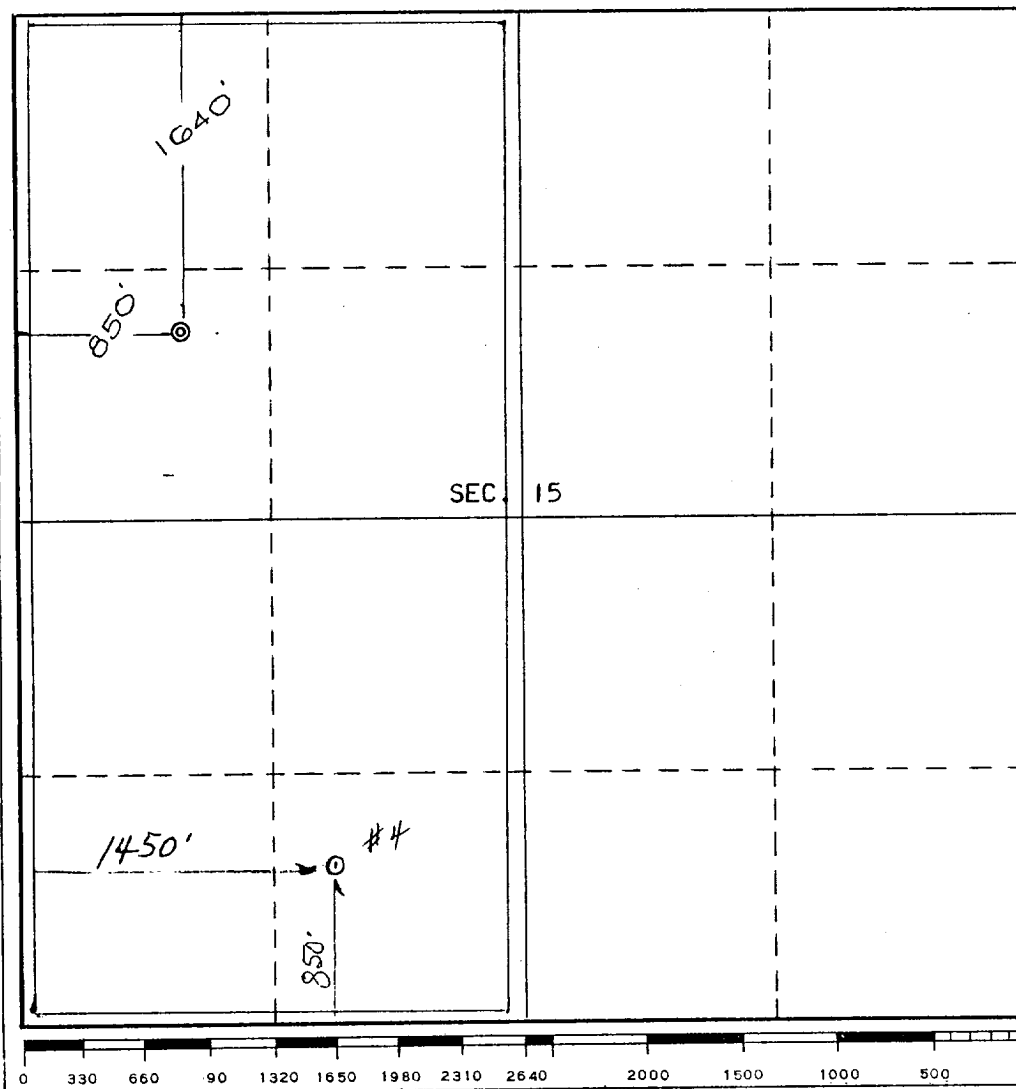
Operator <b>Mesa Petroleum Co.</b>		Lease <b>Suter <del>Field</del></b>		Well No. <b>4-A</b>
Unit Letter <b>E</b>	Section <b>15</b>	Township <b>32 North</b>	Range <b>11 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1640</b> feet from the <b>North</b> line and <b>850</b> feet from the <b>West</b> line				
Ground Level Elev. <b>6530</b>	Producing Formation <b>Blanco</b>	Pool <b>Mesaverde</b>	Dedicated Acreage: <b>320</b> Acres	

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?

☐ 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.

*R. J. Flaker*

Name

R. J. Flaker

Position

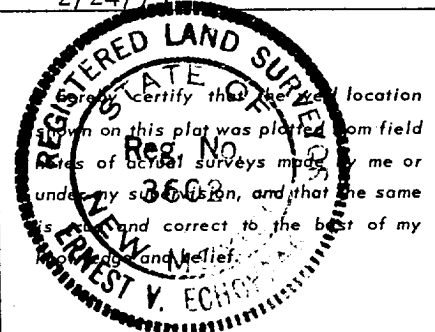
Production Engr.

Company

Mesa Petroleum Co.

Date

2/24/75



Date Surveyed

January 23, 1975

Registered Professional Engineer  
and/or Land Surveyor

*E. V. Echohawk*

Certificate No. 3602

E.V. Echohawk LS

XCHP 1/5/75