

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Arapahoe Drilling Company

3. ADDRESS OF OPERATOR

P. O. Box 3348 - Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface1650' FNL x 330' FWL Sec.34-31N-17W, NMPPM
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Five miles NE of Shiprock, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1650'

16. NO. OF ACRES IN LEASE

4160.00

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT.1 mi. from
1a NW
Sec.4

19. PROPOSED DEPTH

1485' (Dakota)

20. ROTARY OR CABLE TOOLS

Rotary

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

5143' G.L.

22. APPROX. DATE WORK WILL START*

July 29, 1964

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

It is intended to drill a 1485' Dakota test in the following manner: Drill 8- $\frac{3}{4}$ " hole to 30' and cement 7" casing to surface. Drill 6- $\frac{1}{4}$ " hole to approximately 1485' with air. If commercial production is encountered, set 4- $\frac{1}{2}$ " casing and sand-oil frac. Put well on production.

U. S. GEOLOGICAL SURVEY

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

John F. Mitchell

TITLE Agent

DATE July 6, 1964

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

SECTION A.

Date July 6, 1964

Operator Arapahoe Drilling Company

Lease I-149-IND-7653

Well No. 1 Unit Letter E Section 34 Township 31 NORTH Range 17 WEST NMPM

Located 1650 Feet From NORTH Line, 330 Feet From WEST Line

County SAN JUAN G. L. Elevation 5143 Dedicated Acreage 40 Acres

Name of Producing Formation Dakota Pool Wildcat

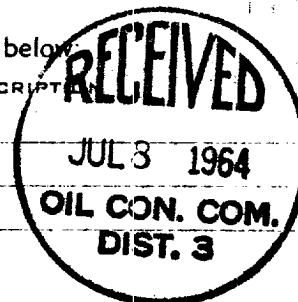
1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes ☒ No ☐

2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "Yes," Type of Consolidation

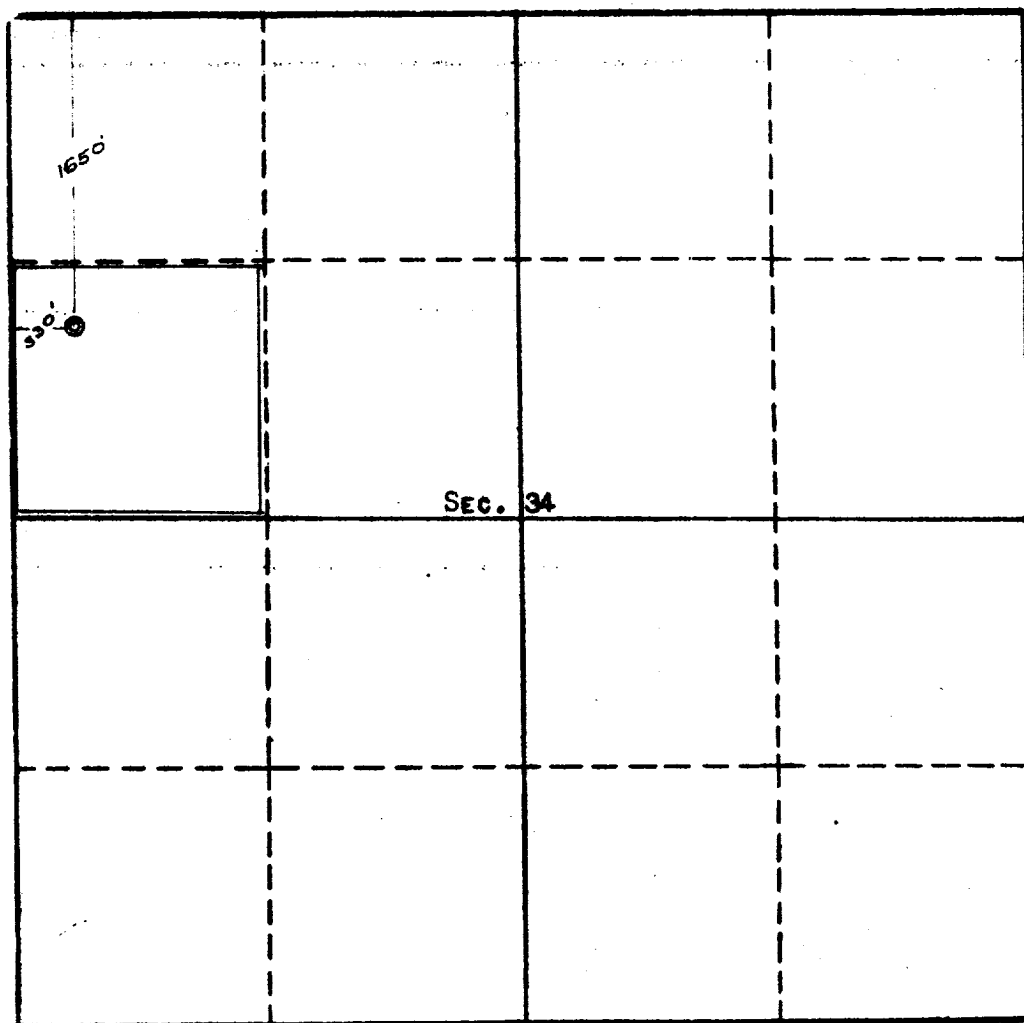
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION



SECTION B.



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Arapahoe Drilling Co.
(OPERATOR)

John F. Mitchell
(REPRESENTATIVE)
John F. Mitchell

P. O. Box 3348
Durango, Colorado

This is to certify that the well location shown on the plat in Section B 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 JUNE 28, 1964

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Emmett H. Eashank
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3602

