

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

Consolidated Oil & Gas Inc.

3. ADDRESS OF OPERATOR

P.O. Box 2038 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

790' from the North Line & 790' from the East Line of
Section 31 Twn 26 North Range 9 West

At proposed prod. zone

Not Directional

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 0460010

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hearfane Federal

9. WELL NO.

2-31

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREASection 31 Township 25 North
Range 9 West NPM

12. COUNTY OR PARISH

13. STATE

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

320

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

275'

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

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

6419 GL.

6831 KB.

22. APPROX. DATE WORK WILL START*

8-9-64

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	250'	150 Sacks of reg. w/ 2% Ca Cl ₂
7 7/8"	4 1/2"	9.50 & 10.5#	6625	225 Sacks 50-50 Permix w/4% gal.

Drill 12 1/4" hole to 250'. Set 8 5/8" casing and cement to surface. Mud drill 7 7/8" hole to 6625' KB. (Estimated top of Dakota at 6465' KB.) Run 4 1/2" casing to total depth and cement with 350 cubic feet. Selectively perforate Dakota and sand water free. Complete as a single zone Dakota gas well.

RECEIVED

AUG 7 1964

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

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

Thomas M. Boyd, Jr.

TITLE Area Superintendent

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

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.

Well Location and Acreage Report

Section A.

August 5, 1964

Operator CONSOLIDATED OIL AND GAS, INC. Huerfano Federal
 Well No. 2-31 Unit Letter A Section 31 25 NORTH Range 9 WEST NMPM
 Located 790 Feet From the NORTH Line. 790 Feet From the EAST Line.
 County SAN JUAN G. L. Elevations 6819' Section Acreage 320 ± 20 Acres
 Name of Producing Formation Basin Dakota Dakota (Basin)

1. Is the Operator the only owner in the dedicated acreage outlined on this plat?
 Yes ☒ No ☐
2. If the answer to question one is "no" have the interests of all the owners been duly listed by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "no" Type of communitization.
3. If the answer to question two is "no" list all the owners and their respective interests below.

Owner

and Description

Section B.

Note: All distances must be from outer boundaries of section.

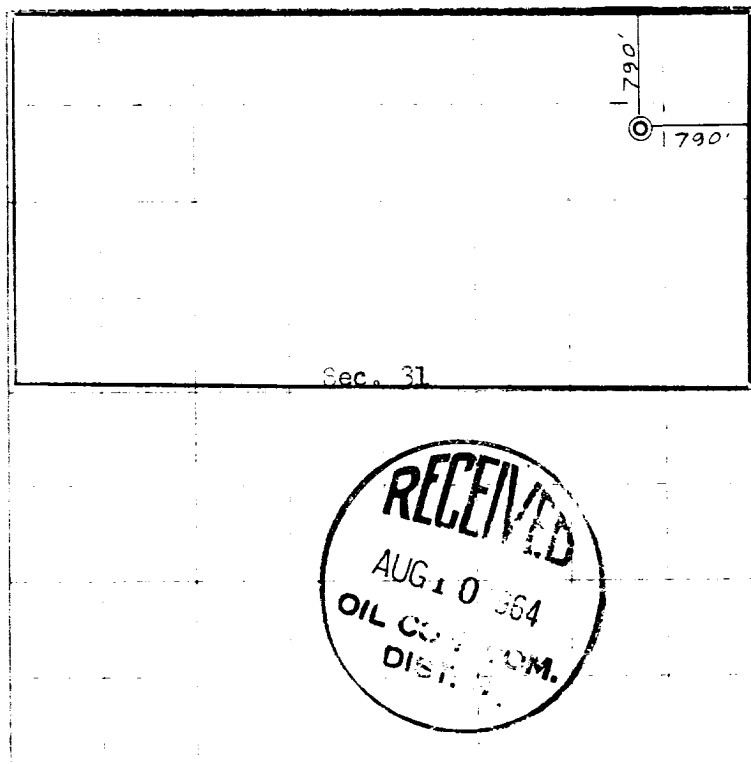
This is to certify that the information
 in Section A above is true and complete
 to the best of my knowledge and belief.

Consolidated Oil & Gas Inc.

Thomas M. Boyd, Jr.
 Thomas M. Boyd, Jr.
 (Representative)

Box 2038, Farmington, New Mexico
 (Address)

Ref: GLO plat dated 10 May 1949



Scale 4 inches equal 1 mile



Farmington, New Mexico

This is to certify that the above plat was prepared from field notes of actual surveys
 made by me or under my supervision and that the same are true and correct to the best
 of my knowledge and belief.

Date Surveyed August 1, 1964

James P. Leese
 Registered Professional Engineer and/or Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463