

UNITED STATES  
DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

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SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1425.

AUG 31 1964

## 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

WATER-FLOOD ASSOCIATES, INC.

## 3. ADDRESS OF OPERATOR

2211 CONTINENTAL NATIONAL BK. BLDG. FT. WORTH, TEXAS 76102

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

At surface

1980' FROM NORTH LINE AND 1346' FROM WEST LINE OF SECTION  
30 (SE/4 NW/4) - T16S - R31E - NMPM.

At proposed prod. zone

SAME

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

4 MILES EAST AND 5 MILES NORTH OF LOCO HILLS, NEW MEXICO

## 16. DISTANCE FROM PROPOSED\*

990' FROM EAST LINE

## 16. NO. OF ACRES IN LEASE

448.42

## 17. NO. OF ACRES ASSIGNED

40

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any) OF LEASE

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, 1650' NORTH

OR APPLIED FOR, ON THIS LEASE, FT. OF WELL No. 1

## 19. PROPOSED DEPTH

3300'

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

3855' GR

## 22. APPROX. DATE WORK WILL START\*

ON OR BEFORE SEPT 8, '64

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" O.D.	24#	450' (TOP OF SALT)	CIRCULATE
7-7/8"	5-1/2" O.D.	14#	3290'	300 SACKS

H. J. LOE FEDERAL No. 2 WILL BE DRILLED AS A PRODUCING WELL IN THE SE/4 OF THE NW/4 OF SECTION 30 - T16S - R31E, EDDY COUNTY, NEW MEXICO. THE ACREAGE DEDICATED TO THIS WELL IS THE SE/4 OF THE NW/4 OF SECTION 30 OR 40 ACRES.

OBJECTIVE PAY ZONES ARE ZONE 5 - APPROXIMATE DEPTH 3100', ZONE 6 - APPROXIMATE DEPTH 3145', AND ZONE 8 - APPROXIMATE DEPTH 3270' ALL IN GRAYBURG - SAN ANDRES. PROJECTED TOTAL DEPTH IS 3300'.

SURFACE CASING (8-5/8" O.D.) WILL BE SET AT APPROXIMATELY 450' IN THE TOP OF THE SALT AND CEMENT WILL BE CIRCULATED. THE LONG STRING OF 5-1/2" O.D. CASING WILL BE SET AT TOTAL DEPTH AND CEMENTED WITH 300 SACKS OF CEMENT PRECEDED BY DRILLING MUD.

EACH PRODUCTIVE ZONE WILL BE TREATED UNDER A PACKER SET ON TUBING WITH SLICK WATER AND 10,000 POUNDS OF SAND.

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

C. W. Stumhoff

TITLE

CO-ORDINATOR WATER FLOOD OPERATIONS

DATE

AUGUST 26, 1964

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AUG 28 1964  
R. L. BELKMAN  
ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

30-015-10416

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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT  
SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128  
Revised 5/1/57

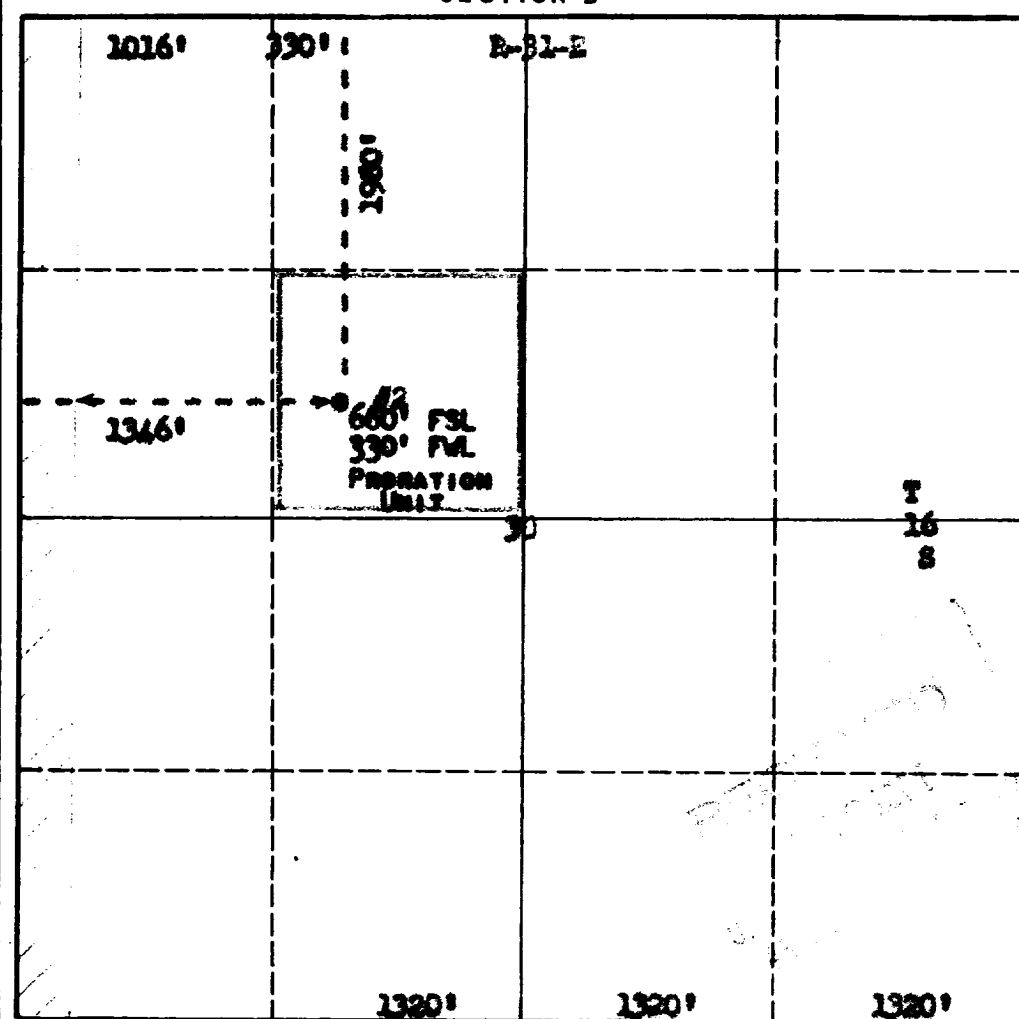
SECTION A

Operator <b>Waterflood Associates, Inc.</b>		Lease <b>H. J. Lee - Federal</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>30</b>	Township <b>T-16-N</b>	Range <b>R-31-E</b>	County <b>Reidy</b>
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>1346</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3855</b>	Producing Formation <b>GRAYBURG - SAN ANDRES</b>		Pool <b>SQUARE LAKE</b>	Dedicated Acreage: <b>40</b> Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO \_\_\_\_ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
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 **RECEIVED**
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description <b>AUG 31 1964</b>
	<b>O. C. C.</b> <b>ARTERIA. OFFICE</b>

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name <b>C. W. Stumhoff</b>
Position <b>CO-ORDINATOR WATERFLOOD OPERATIONS</b>
Company <b>WATER-FLOOD ASSOCIATES, INC.</b>
Date <b>AUGUST 26, 1964</b>

I hereby 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 <b>August 17, 1964</b>
Registered Professional Engineer and/or Land Surveyor <b>James H. Brown</b>
Certificate No. <b>542</b>

## INSTRUCTIONS FOR COMPLETION OF FORM C-128

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of the Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3 of Section A, please use space below.