

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

RE DEEPE

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Armer Oil Company

3. ADDRESS OF OPERATOR

2110 Continental National Bank Bldg. Ft. Worth, Texas 76102

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

At surface

660' FNL and 660' FEL Section 9-T17S-R30E

At proposed prod. zone

Same

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

Two miles North of Loco Hills, New Mexico

16. DISTANCE FROM PROPOSED*

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

660'

17. NO. OF ACRES IN LEASE

240

18. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.Non-producing
Lease

20. PROPOSED DEPTH

3100'

21. ROTARY OR CABLE TOOLS

Rotary

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

3680' GR

23. APPROX. DATE WORK WILL START*

September 23, 1973

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	24#	450'	100 sxs
7-7/8"	4-1/2" OD	9.5#	3100'	250 sxs

Armer Oil Company proposes to drill its ARCo Federal #2 well to test various potential oil zones in the Grayburg-San Andres from a depth of approximately 2800' to total depth.

Casing program will consist of 8-5/8" OD surface casing to be set at an approximate depth of 450' cemented with 100 sxs and 4-1/2" OD production casing to be set at total depth with cement from total depth back to a depth of approximately 2500'.

The well will be perforated in oil productive zones of the Grayburg and San Andres and fracture treated for production.

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

TITLE Production ManagerDATE August 31, 1973

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

APPROVED
SEP 11 1973
R. L. BEEKMAN
DISTRICT ENGINEERTHIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
DEC 11 1973
See Instructions On Reverse SideRECEIVED
SEP-4 1973
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator ARMER OIL COMPANY			Lease ARCO FEDERAL		Well No. 2
Unit Letter A	Section 9	Township 17 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line					
Ground Level Elev. 3680	Producing Formation Grayburg-San Andres		Pool Square Lake Grayburg-SA	Dedicated Acreage: 40 Acres	

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

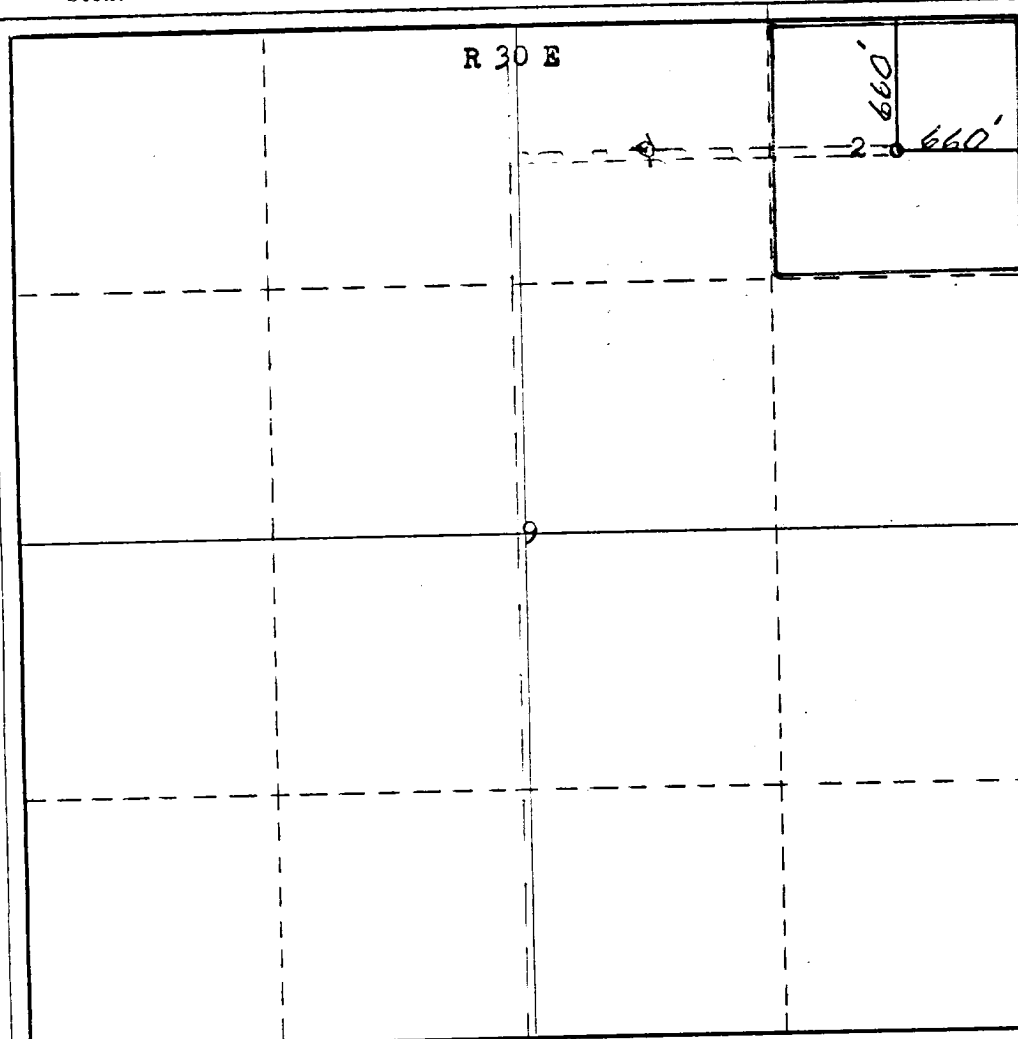
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 _____

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.

C. W. Seely
Name

C. W. Seely
Position

Production Manager
Company

Armer Oil Company
Date

August 1, 1973

I hereby certify that the information shown on this plat was derived from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

RECEIVED
SEP - 1 1973
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
NEW MEXICO
JAMES H. CROWN

Date Surveyed

April 27th, 1973

Registered Professional Engineer
and/or Land Surveyor

James H. Crown
Certificate No. **542**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

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EXHIBIT TO BE ATTACHED TO ARMER OIL COMPANY'S APPLICATION
FOR PERMIT TO DRILL DATED AUGUST 31, 1973.

ARCO FEDERAL WELL NO. 2
NE/4 NE/4 Section 9-T17S-R30E
Square Lake Gbg-SA Field
Eddy County, New Mexico

Under Item 23 of Application:

Mud Program

Native mud 0' to 2800'.

Salt water mud w/following properties 2800-3500':

Weight	10#/gal.
Viscosity	40 sec.
Water Loss	20 cc

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ARTESIA, NEW MEXICO

Blow Out Preventer Program

Schaeffer Type E 10" Series 900 Hydraulic BOP.

Waste and Debris Disposal

Waste and debris disposal from this well will be disposed in reserve
pit and covered.