

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-21436

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

Armer Oil Company ✓

DEC 12 1974

3. ADDRESS OF OPERATOR

2110 Continental Nat'l Bank Bldg. Fort Worth, TX 76102

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

At surface

560' FNL and 1980' FWL Section 9-T17S-R30E

At proposed prod. zone

same

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

2-1/2 miles North of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

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

560'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1350'

16. NO. OF ACRES IN LEASE

240S.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

3075'

20. ROTARY OR CABLE TOOLS

Rotary

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

3699' GR 3709' RT

22. APPROX. DATE WORK WILL START*

December 5, 1974

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" OD	23#	500'	100 sx
7-7/8"	4-1/2" OD	9.5#	3075'	500 sx

Armer Oil Company proposes to drill its Arco Federal #5 well for completion in various productive oil zones in the Grayburg-San Andres formation 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 500' cemented to surface and 4-1/2" OD production casing to be set a total depth with cement from total depth back to a depth of approximately 1650'. Surface casing will be pressure tested to 1000 psi and production casing to 3000 psi.

During drilling operations, the WEK Drilling Company rotary rig that is to drill the well will be equipped with a Schaeffer Type E 10" series 900 Hydraulic BOP. Mud program will be native mud from surface to 2500' and salt water mud from 2500' to total depth.

Potential oil zones in the Grayburg-San Andres will be perforated 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

C. W. Lambaffer

TITLE

Agent

DATE

11-18-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DEC 10 1974

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT ENGINEER

TITLE

DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.

*See Instructions On Reverse Side

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

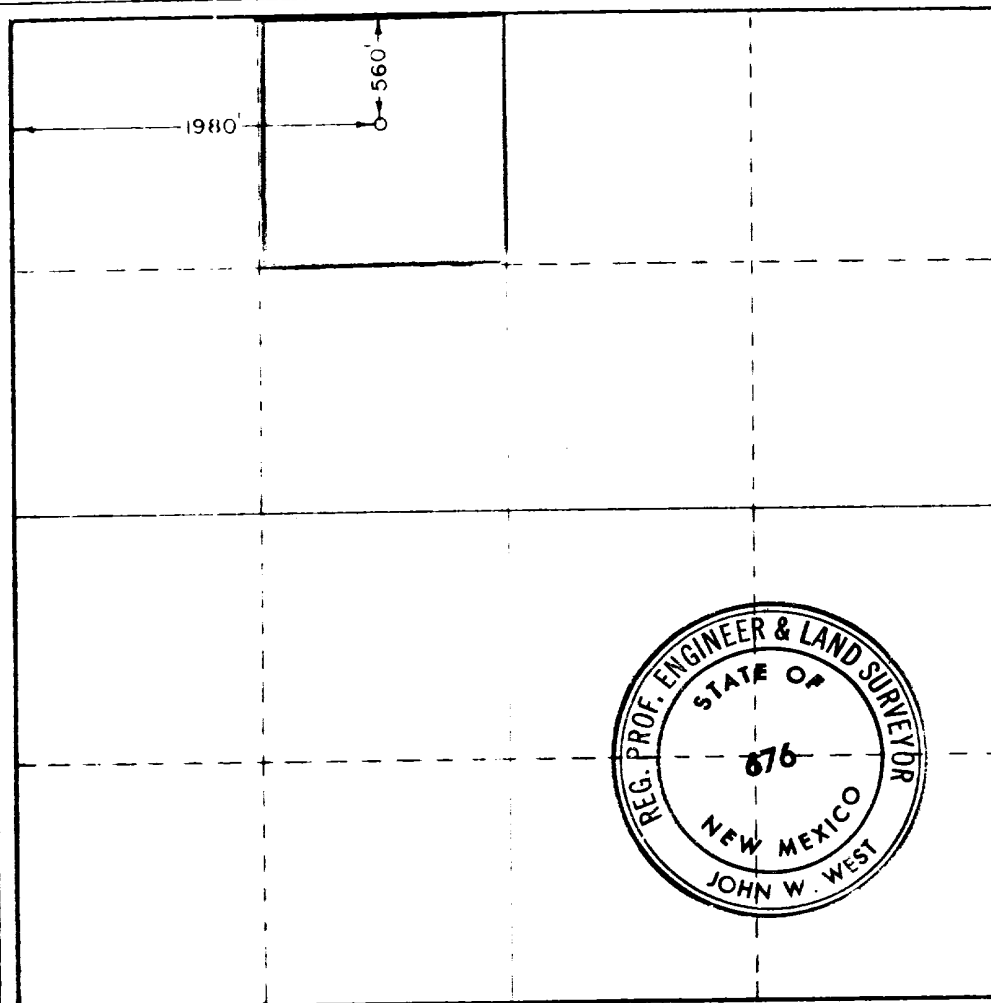
Armer Oil Company			Arco Federal			Well No. 5
C	9	17 South	30 East	Eddy		
Section		Township		Range		County
1980		West		560		North
feet from the		line and		feet from the		line
3698.9		Grayburg-San Andres		Square Lake		40 Acres
Ground Level Elev.		Producing Formation		Pool		Dedicated Acreage

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.

Name

C. W. Seely

Position

President

Company

Armer Oil Company

Date

11-18-74

RECEIVED
NOV 22 1974
U.S. GEOLOGICAL SURVEY
ARRESTA, NEW MEXICO

Date Surveyed

October 22, 1974

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

ARMER OIL COMPANY

ARCO FEDERAL #5 WELL

560' FNL & 1980' FWL Section 9-T17S-R30E
Square Lake GBG-SA Field
Eddy County, New Mexico

Attachment to Application for Permit to Drill
Development plan for surface use

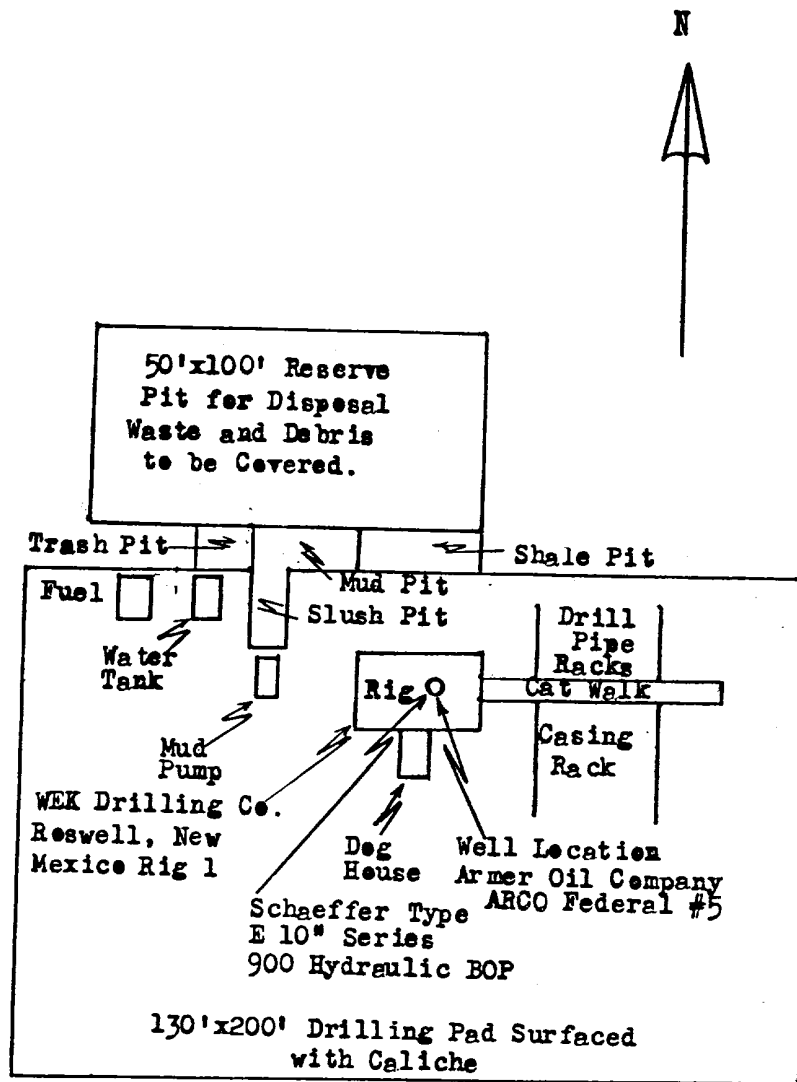
- I. Existing Roads - Existing road to be used includes Caliched Lease road at a easterly turn-off from the surfaced county road approximately 1-3/4 miles north of townsite of Loco Hills, New Mexico. Caliched Lease road will be used in an easterly direction for 1/2 mile and northerly direction for 5/8ths of a mile.
- II. Planned Access Road - Approximately 700' of 12-foot wide Caliched Lease road will be built from the above point in the existing lease road in a westerly direction to the proposed location.
- III. Location of well - Proposed location is 560' FNL & 1980' FWL Section 9-T17S-R30E approximately 2-1/2 miles north of the townsite of Loco Hills, New Mexico.
- IV. Lateral Roads to Well Locations - Additional lateral roads to other wells locations will be built just prior to actual drilling operations.
- V. Location of Tank Batteries and Flow Lines - Tank Battery for Arco Federal Lease is located in SE/4 NE/4 Section 9-T17S-R30E. Flow line from the #5 well on Arco Federal Lease to Lease tank battery will consist of 2" steel pipe installed on surface.
- VI. Locations and Types of Water Supply - Fresh water from commercial water company will be utilized to drill well.
- VII. Methods for Handling Waste Disposal - 50' x 100' reserve mud pit to be covered upon completion of well will be for disposal of drilling mud and cuttings. Paper and other debris will be placed in 8' x 20' burn pit.
- VIII. Location of Camps - No camps are located in area of proposed location.
- IX. Location of Airstrips - No usable airstrips are in the area of the proposed location.
- X. Location Layout to Include Position of the Rig, Mud Tanks, Reserve Pits, Burn Pits, Pipe Racks, Etc. - See Attachment.

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ARCO FEDERAL #5 WELL

EDDY COUNTY, NEW MEXICO

- XI. Plans for Restoration of the Surface - All pits will be filled upon well completion and ground around location will be leveled with space allowed for well servicing.
- XII. Miscellaneous - No other known environmental information is applicable to this proposed location.



SCALE 1" = 200'

ARMER OIL COMPANY
ARCO FEDERAL WELL NO. 5
560' FNL 1980' FWL SECTION 9-T17S-R30E
SQUARE LAKE GRAYBURG-SAN ANDRES FIELD
EDDY COUNTY, NEW MEXICO

DEVELOPMENT PLAN FOR SURFACE USE
POINT 10 OF 12-POINT PLAN
APPLICATION FOR PERMIT TO DRILL

