

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

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

1980' FNL and 1980' FEL Sec. 9-17S-30E

At proposed prod. zone

Same

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

Two miles North of Loco Hills, N. M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*

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

1320'

16. NO. OF ACRES IN LEASE

240

19. PROPOSED DEPTH

3100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3702' GR

3712' RT

22. APPROX. DATE WORK WILL START*

June 8, 1974

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	23#	450'	100 sxs.
7-7/8"	4-1/2" OD	9.5#	3100'	500 sxs.

Armer Oil Company proposes to drill its Arco Federal #3 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 1650'.

During drilling operations, the WEK Drilling Co., Inc. 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 2800' and salt water mud w/weight 10#/gal., viscosity 40 sec. and water loss 20 cc from 2800' to total depth.

Upon completion of drilling and completion operations, waste and debris will be placed in reserve pit and covered.

(Con't on Page 2)

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

R. A. Mally

TITLE

Agent

DATE May 8, 1974

(This space for Federal or State office use)

APPROVAL DATE

DATE

TITLE

OPERATIONS

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

MAY 22 1974

See Instructions On Reverse Side

RECEIVED
MAY 13 1974
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Armer Oil Company
Arco Federal #3 Well
Section 9-17S-30E
Eddy County, New Mexico

Page 2

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

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MAY 13 1977
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ARTESIA, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION, LAT

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

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

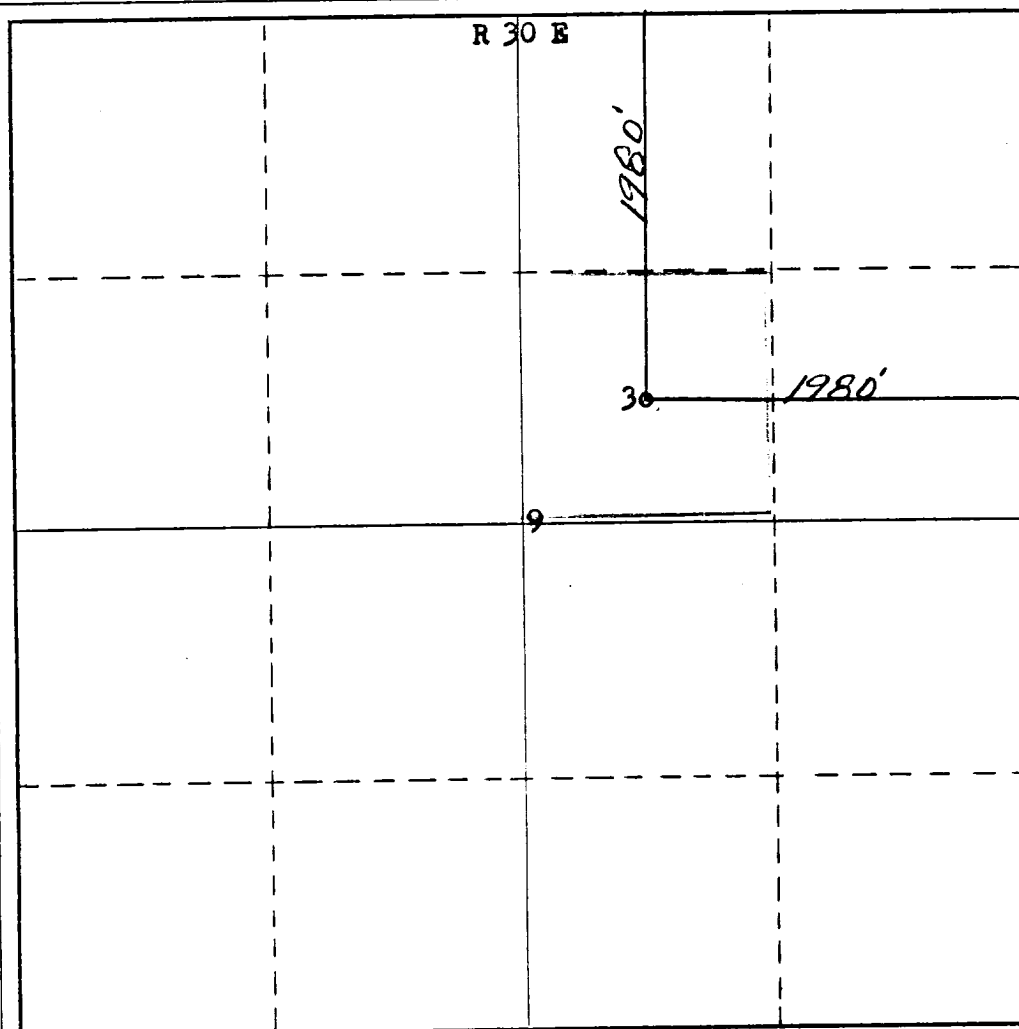
Operator ARMER OIL COMPANY			Lease ARGO FEDERAL		Well No. 3
Unit Letter G	Section 9	Township 17 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the North line and 1980 feet from the East line					
Ground Level Elev. 3702	Producing Formation Grayburg-San Andres		Pool Square Lake Gbg-SA		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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
R. A. Massey

Position
Agent

Company
Armer Oil Company

Date
May 8, 1974

I hereby certify that the location shown on this plat 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.

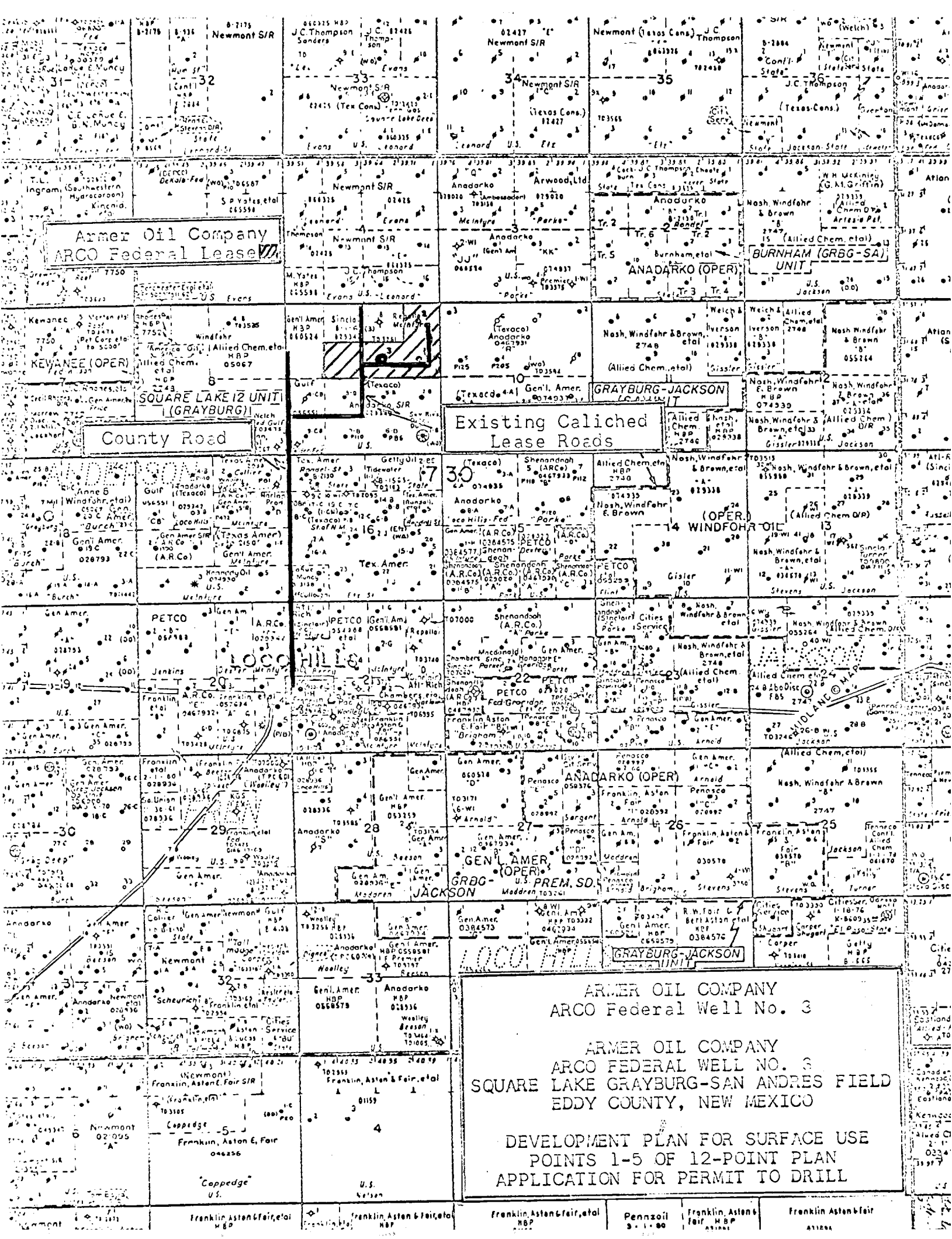
U.S. GEOLOGICAL SURVEY
ARTESIA, N.M.
H. BROWN

Date Surveyed
April 28th, 1973

Registered Professional Engineer
and/or Land Surveyor

Certificate No. **542**

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



Armer Oil Company
ARCO Federal Lease

SQUARE LAKE 12 UNIT
(GRAYBURG)

County Road

Existing Calched
Lease Roads

GRAYBURG-JACKSON

BURNHAM (GRBG-SA)
UNIT

WINDFOHR OIL

LOCO HILLS

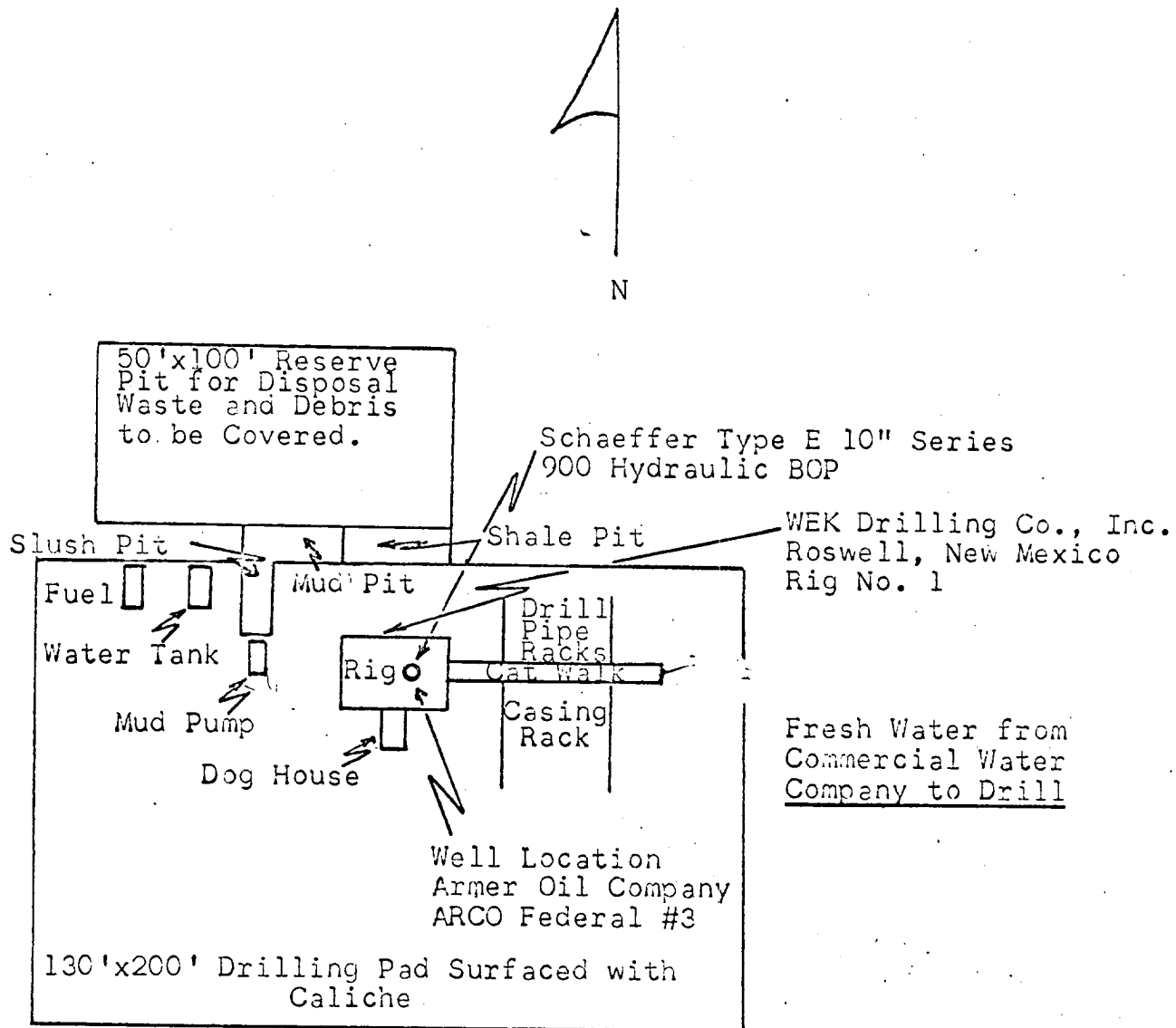
ANADARKO (OPER)

GRAYBURG-JACKSON

ARMER OIL COMPANY
ARCO Federal Well No. 3

ARMER OIL COMPANY
ARCO FEDERAL WELL NO. 3
SQUARE LAKE GRAYBURG-SAN ANDRES FIELD
EDDY COUNTY, NEW MEXICO

DEVELOPMENT PLAN FOR SURFACE USE
POINTS 1-5 OF 12-POINT PLAN
APPLICATION FOR PERMIT TO DRILL



Topography includes sand with gentle undulations with no improvements thereon. Vegetation primarily chinery.

SCALE 1" = 200'

ARMER OIL COMPANY
ARCO FEDERAL WELL NO. 3
1930' FNL 1930' FEL SECTION 9-T17S-R30E
SQUARE LAKE GRAYBURG-SAN ANDRES FIELD
EDDY COUNTY, NEW MEXICO

DEVELOPMENT PLAN FOR SURFACE USE
POINTS 6, 7, 10, 11, and 12 12-POINT PLAN
APPLICATION FOR PERMIT TO DRILL