

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 & 1980' FWL Section 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, New Mexico

D. C. C.
ARTESIA, OFFICE

10. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

1320'

19. PROPOSED DEPTH

3100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3693' GR 3703' RT

22. APPROX. DATE WORK WILL START*

July 1, 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 #4 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 sacks and 4-1/2" OD production casing to be set at total depth with cement from total depth 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 trash pit and covered.

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

B. A. Mandy

TITLE Agent

DATE June 26, 1974

THIS APPROVAL IS NOT VALID FOR PERMIT TO DRILL
IF NOT COMMENCED WITHIN 3 MONTHS.

PERMIT NO.

APPROVAL DATE

JUL 1 1974

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT ENGINEER

TITLE

DATE

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

*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.

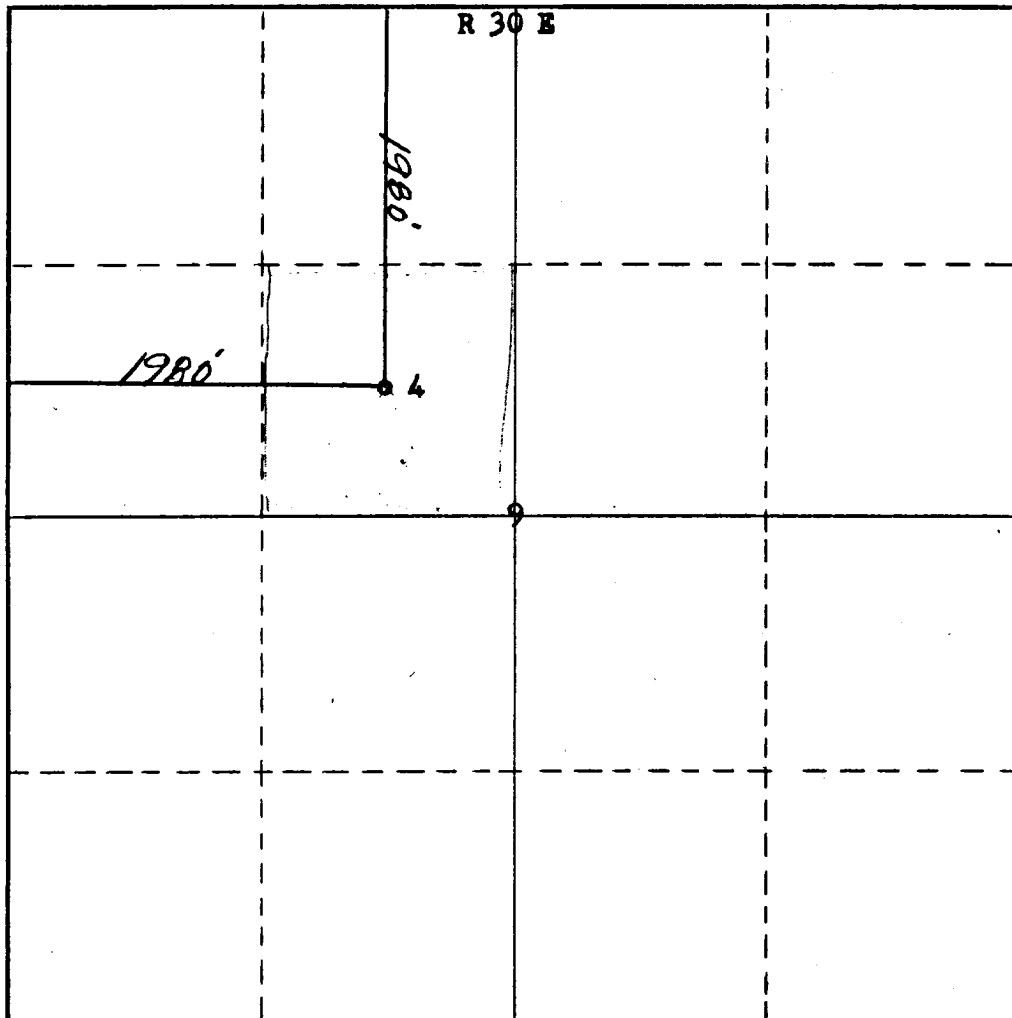
Operator ARMER OIL COMPANY			Lease ARCO FEDERAL		Well No. 4
Unit Letter F	Section 9	Township 17 South	Range 30 East	County Eddy	
Actual Footage Location of Well:					
1980 feet from the North line and		1980 feet from the West line			
Ground Level Elev: 3693	Producing Formation Grayburg-San Andres	Pool 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.

R. A. Massey

Name

R. A. Massey

Position

Agent

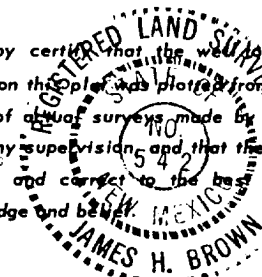
Company

Armer Oil Company

Date

June 26, 1974

I hereby certify that the well 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.



Date Surveyed

April 28th, 1973

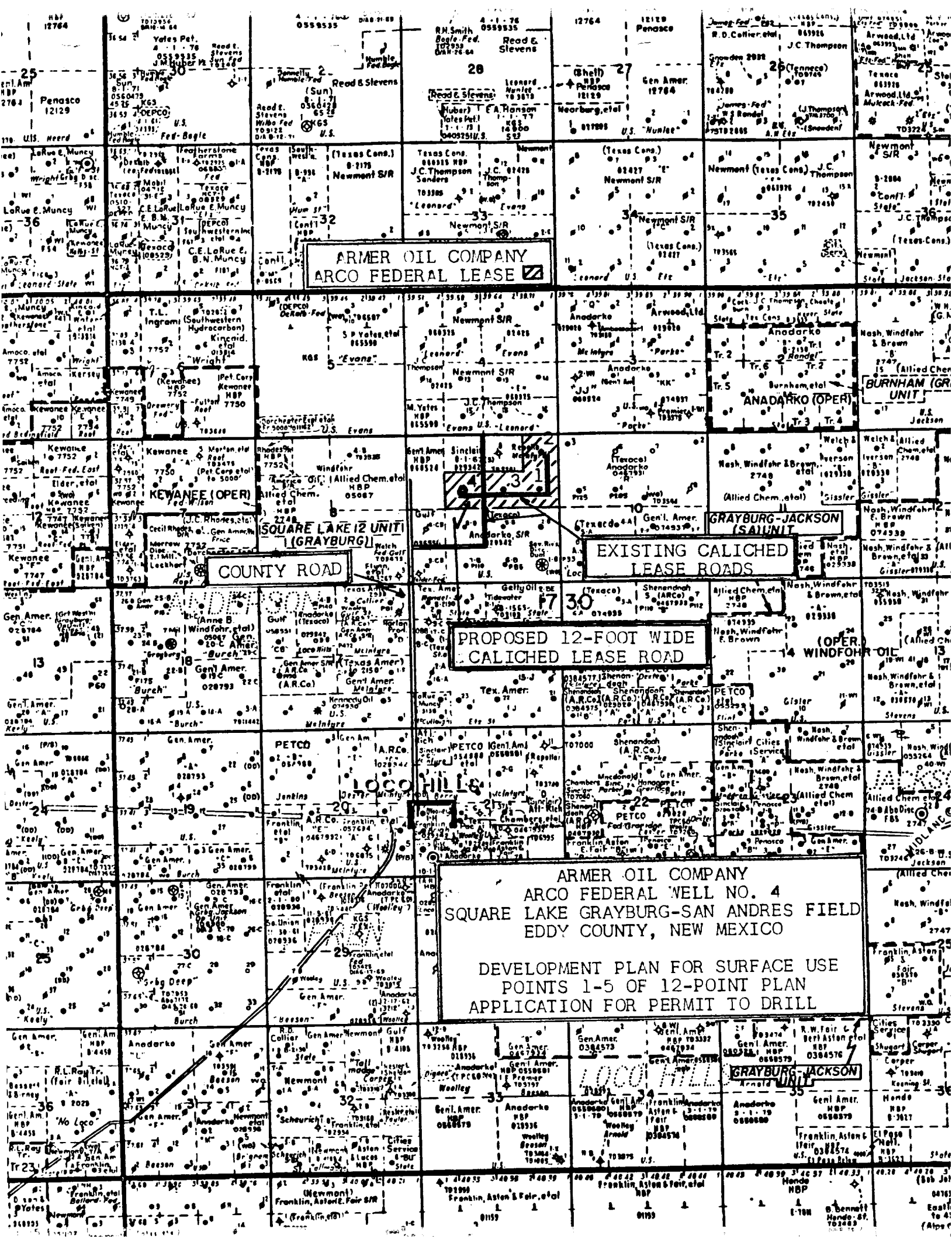
Registered Professional Engineer and/or Land Surveyor

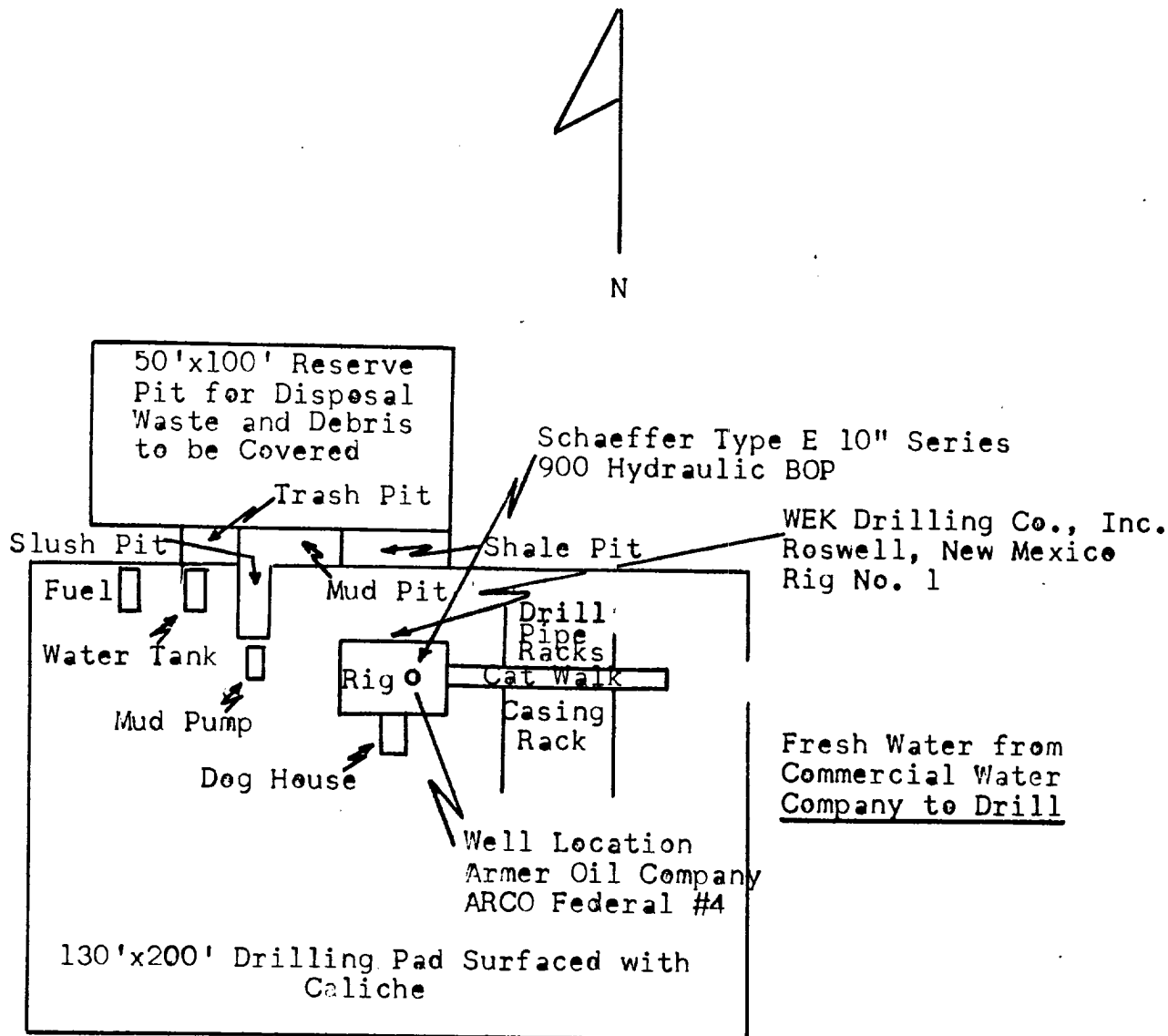
James H. Brown

Certificate No.

542

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





Topography Includes Sand with Gentle Undulations with No Improvements Thereon Vegetation Primarily Chinery

SCALE 1" = 200'

ARMER OIL COMPANY
ARCO FEDERAL WELL NO. 4
1980' FNL 1980' FWL 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