

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-029342(d)		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --		
2. NAME OF OPERATOR Armer Oil Company		7. UNIT AGREEMENT NAME --		
3. ADDRESS OF OPERATOR 2110 Continental National Bank Bldg. Ft. Worth, Texas 76102		8. FARM OR LEASE NAME ARCo Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 660' FEL Section 9-T17S-R30E		9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Two miles North of Loco Hills, New Mexico		10. FIELD AND POOL, OR WILDCAT Square Lake Gbg-SA		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 9-T17S-R30E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Non-producing Lease		12. COUNTY OR PARISH Eddy		
16. NO. OF ACRES IN LEASE 240		13. STATE New Mexico		
19. PROPOSED DEPTH 3500'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* September 16, 1973		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3690' GR		22. APPROX. DATE WORK WILL START* September 16, 1973		
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	24#	450'	100 sxs
7-7/8"	4-1/2" OD	9.5#	3500'	350 sxs

Armer Oil Company proposes to drill its ARCo Federal #1 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 CH Suly TITLE Production Manager DATE August 31, 1973
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED
SEP 11 1973
H. L. BEEKMANN
ACTING DISTRICT ENGINEER

TITLE _____

DATE _____

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
See Instructions On Reverse Side
DEC 11 1973

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.

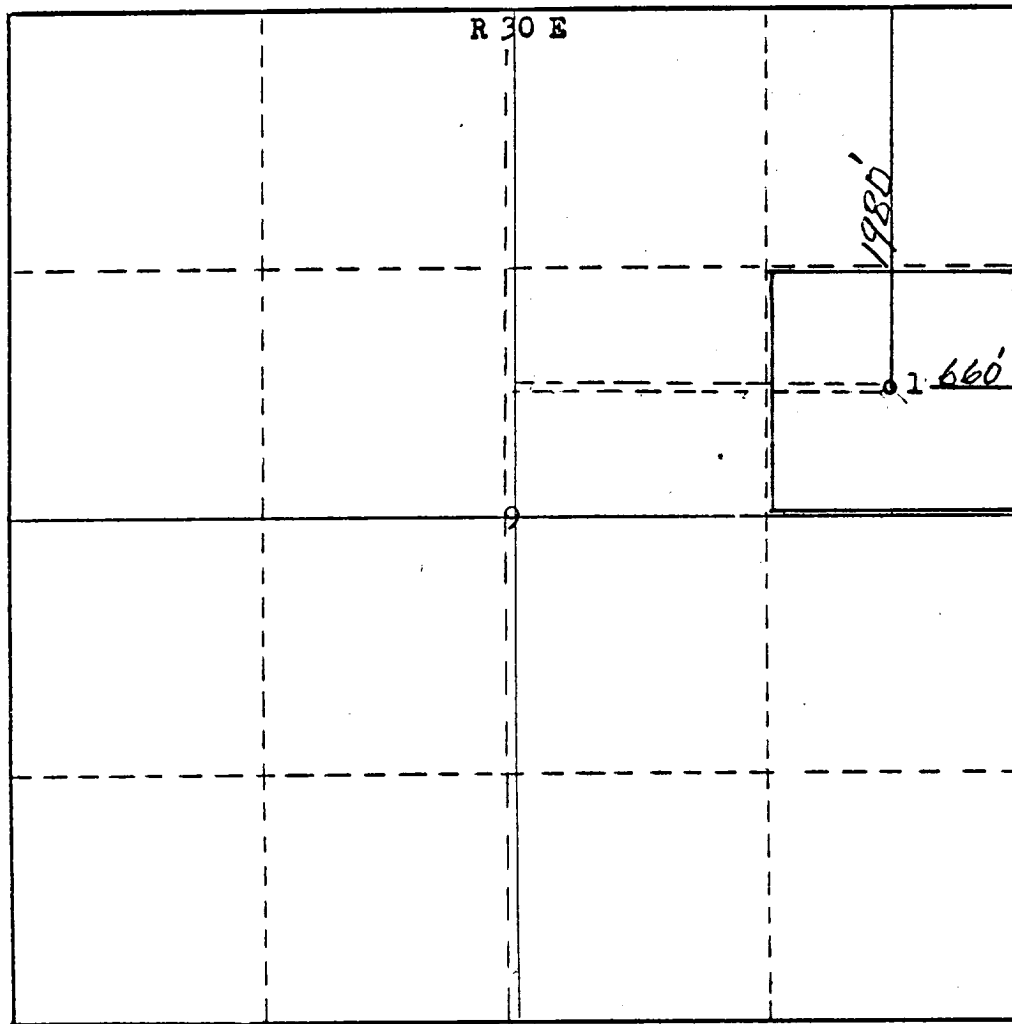
Operator ARMER OIL COMPANY			Lease ARGO FEDERAL		Well No. 1
Unit Letter H	Section 9	Township 17 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line					
Ground Level Elev. 3690	Producing Formation Grayburg-San Andres		Pool Square Lake-Grayburg-San Andres		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.

C. W. Seely
Name
C. W. Seely

Position
Production Manager

Company
Armer Oil Company

Date
August 31, 1973

I hereby certify that the information shown on this plat was obtained 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.

Date Surveyed
April 27th, 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

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

ARCO FEDERAL WELL NO. 1
SE/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

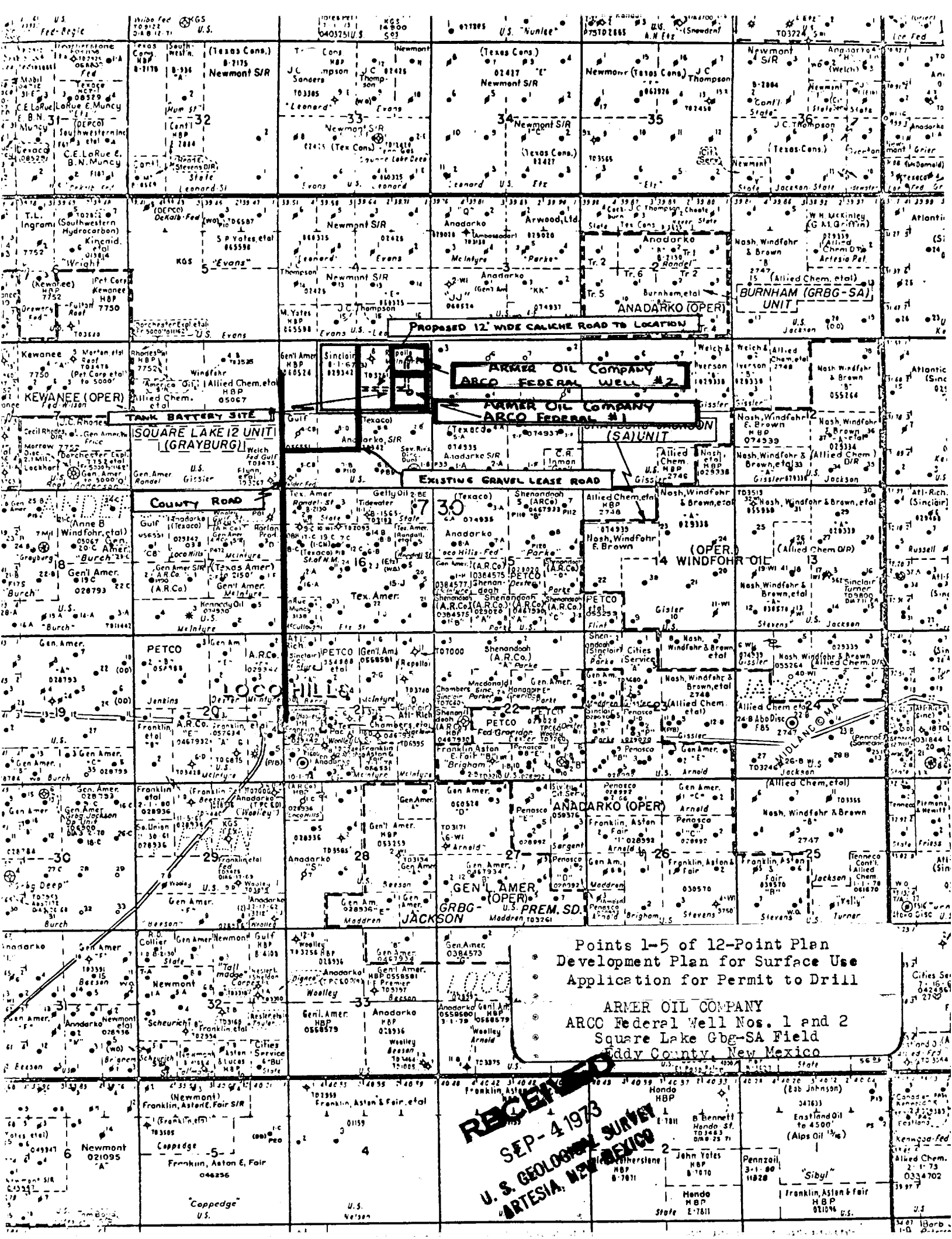
Blow Out Preventer Program

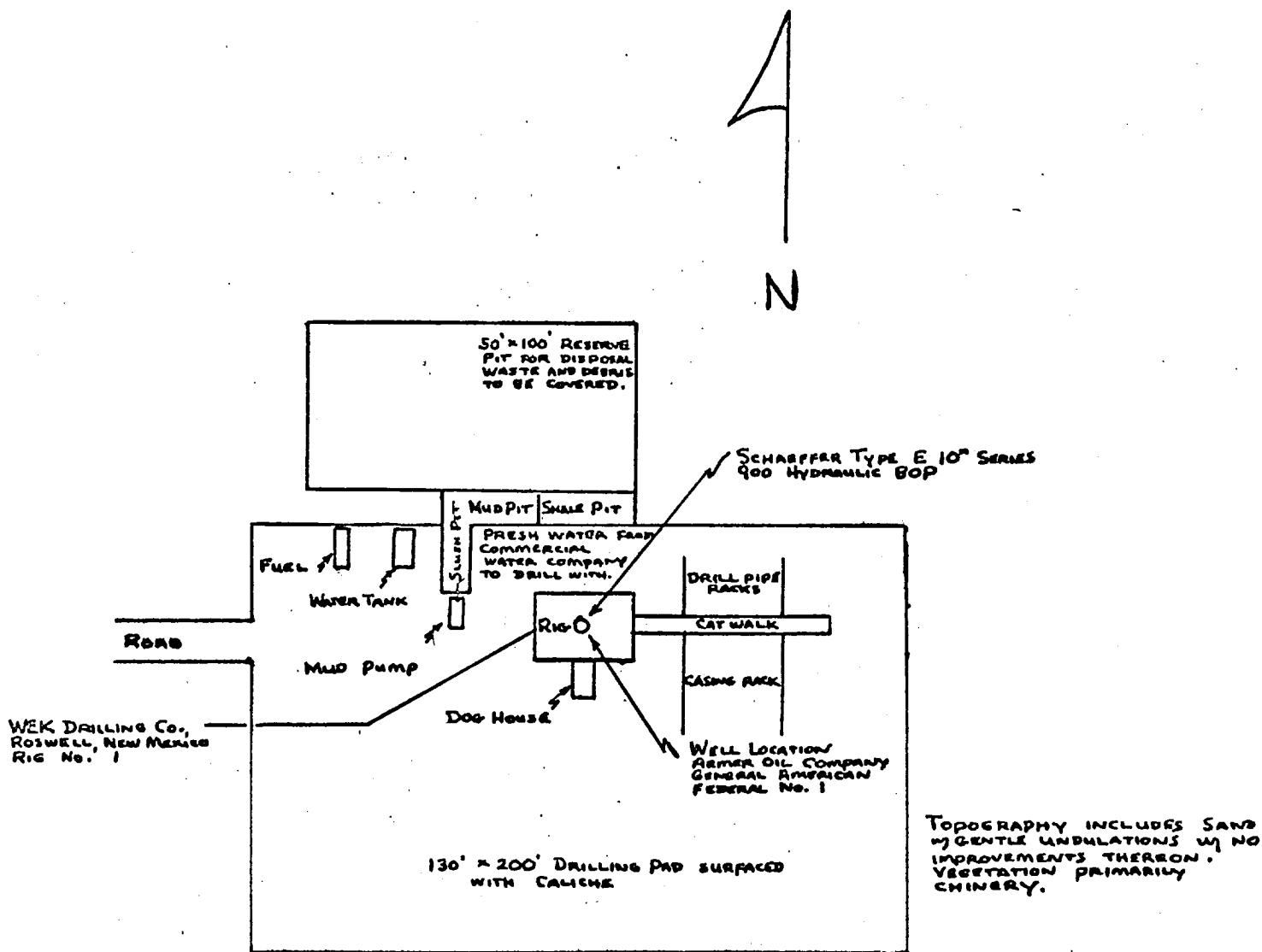
Schaeffer Type E 10" Series 900 Hydraulic BOP.

Waste and Debris Disposal

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

RECEIVED
SEP 10 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO





SCALE 1" = 200'

POINTS 6, 7, 10, 11, AND 12
12-POINT PLAN

DEVELOPMENT PLAN FOR SURFACE USE
APPLICATION FOR PERMIT TO DRILL

ARMER OIL COMPANY
ARCO FEDERAL WELL No. 1
1980' FNL AND 660' FEL SECTION 9-T173-R30E NMPM
EDDY COUNTY, NEW MEXICO

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