Copy GSF

N. M. O. C. C. COPY

Form 9-331 C
(May 1963)

SUBMIT IN LICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-20801

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 ☐

RECEIVED
JAN 24 1973
O. C. C.
ARTESIA, OFFICE

2. NAME OF OPERATOR: Texas American Oil Corporation

3. ADDRESS OF OPERATOR: 1012 Midland Savings Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1980' FSL, 990' FEL
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: NM 0405444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Todd "23" Federal

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: Sand Dunes (Cherry Canyon)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 23, T-23-S, R-31-E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 35 miles northwest Jal, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 990'

16. NO. OF ACRES IN LEASE: 1320'

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: 6200'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3457.6 GR

22. APPROX. DATE WORK WILL START*: February 10, 1973

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"	24#	600'	380 sx or circ. (1)
7-7/8"	5-1/2"	15.5#	6200	2660 sx (2)

(1) Circulate cement on surface casing.

(2) Two-stage cement tool at 4300' and cement as follows: First Stage - 660 sx Class C. Second Stage - 2000 sx lite w/3# Gilsonite/sx. Cover salt section and tie back to surface casing.

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: J. Gammill TITLE: Engineer DATE: December 14, 1972

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
JAN 23 1973
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES APR 23 1973

*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	Lease	Well No.
TEXAS AMERICAN OIL CORP.	TODD 23 FEDERAL	2

Unit Letter	Section	Township	Range	County
I	23	23 SOUTH	31 EAST	EDDY

Actual Footage Location of Well: 1980 feet from the SOUTH line and 990 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3457.6	Cherry Canyon	Undid. Sand Dunes (Cherry Canyon)	40 Acres

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

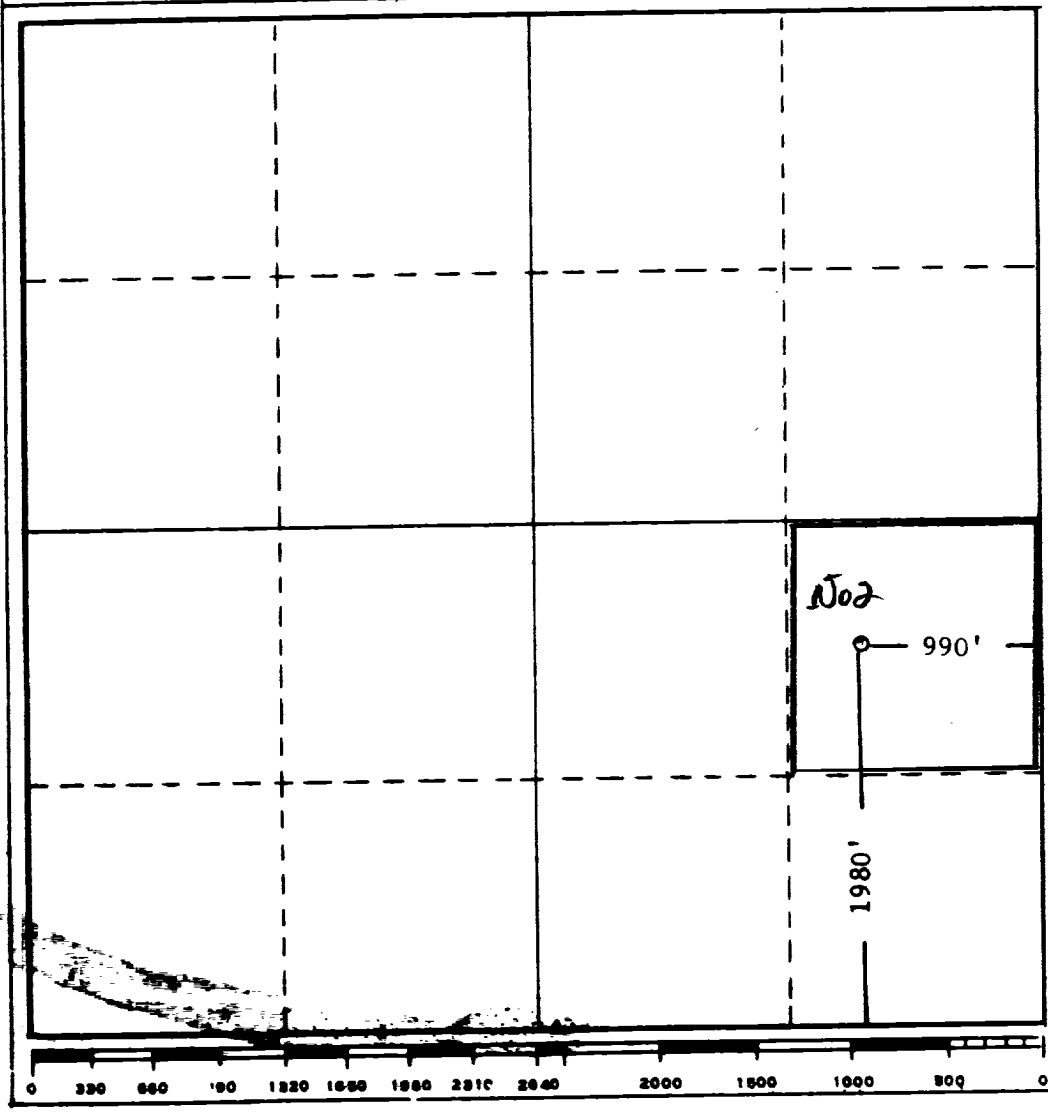
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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: N. T. Emanuel

Position: Engineer

Company: Texas American Oil Corp.

Date: December 14, 1972

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: DECEMBER 2, 1972

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. 676

TEXAS AMERICAN OIL CORPORATION

300 WEST WALL, SUITE 1012 MIDLAND, TEXAS 79701 915-683-4811

January 18, 1973

Todd "23" Federal, Well No. 2
1980' FSL, 990' FEL,
Section 23, T-23-S, R-31-E,
Eddy County, New Mexico

Gentlemen:

As per instructions for submitting an application to drill on shore or off shore, gas or oil, or geothermal steam wells, on public domain and acquired lands, Texas American Oil Corporation answers these questions as follows:

1) Exhisting Roads: Exhibit "A" shows the exhisting roads in blue lines.

2) Planned Access Roads: Exhibit "A" shows in red line the proposed road.

3) Location of Well: Shown above and also on Exhibit "A".

4) Lateral Roads to Location: None.

5) Location of Tank Battery and Flow Lines: If the above well is productive, Tank Battery and Flow Lines will be located on Caliche Pad at well.

6) Location and Types of Water Supply: Water to be hauled.

7) Methods for Handling Waste Disposal: A reserve pit located as per Exhibit "B" will be used for handling all wastes.

8) Location of Camps: None.

9) Location of Air Strip: None.

10) Location of Rig, Mud Tanks, Reserve Pits, Burn Pits, Pipe Racks, etc.: See Exhibit "C" attached.

11) Plans for Restoration of the Surface: After drilling the well, Texas American will level all pits and location as near to original ground level as possible. This location is in an arid region on which there is very little surface grass.

12) Detailed Mud Program:

0 - 600' - Fresh water spud mud.
600 - 6200' - Brine water with lime and loss circulation material as needed. Use Flocel for fluid loss before coring. Water loss 10 - 15 cc. Viscosity 35 - 37.

13) Blow Out Preventer: See attached Exhibit "C" for detail.

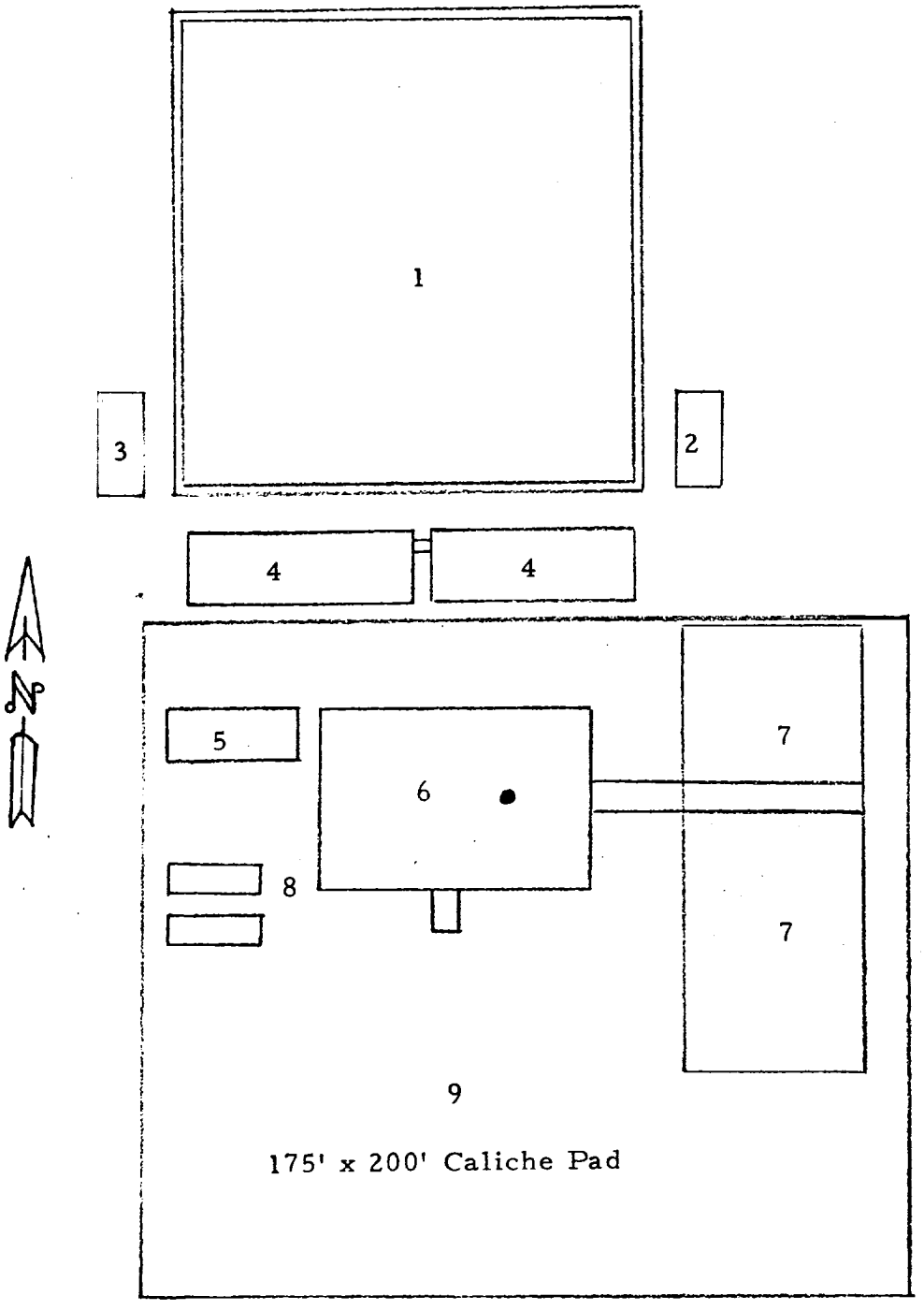
Yours very truly,

N. T. Emanuel
Engineer

NTE:cc

Attachments

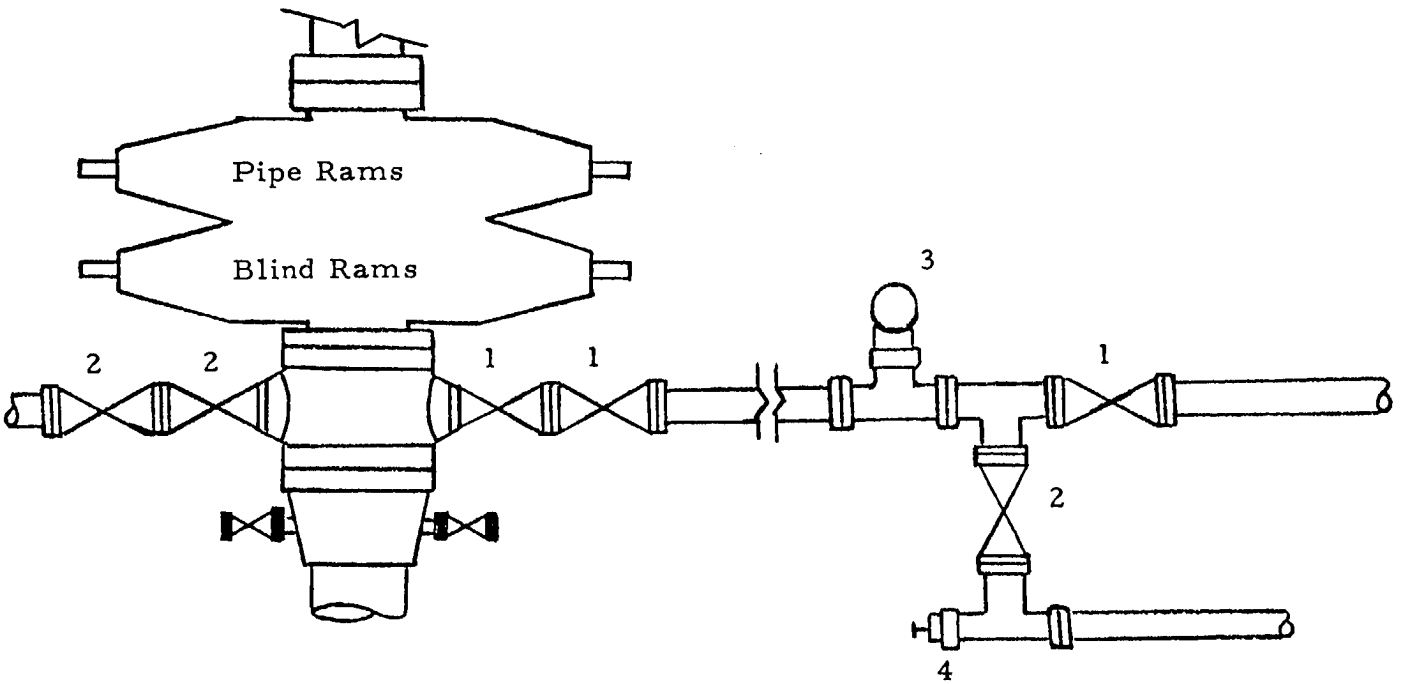
DRILLING LOCATION



1 - Reserve Pit
2 - Waste Water Pit
3 - Burn Pit
4 - Mud Tanks
5 - Mud Pump
6 - Drilling Rig
7 - Pipe Racks
8 - Water Storage Tanks
9 - Caliche Pad

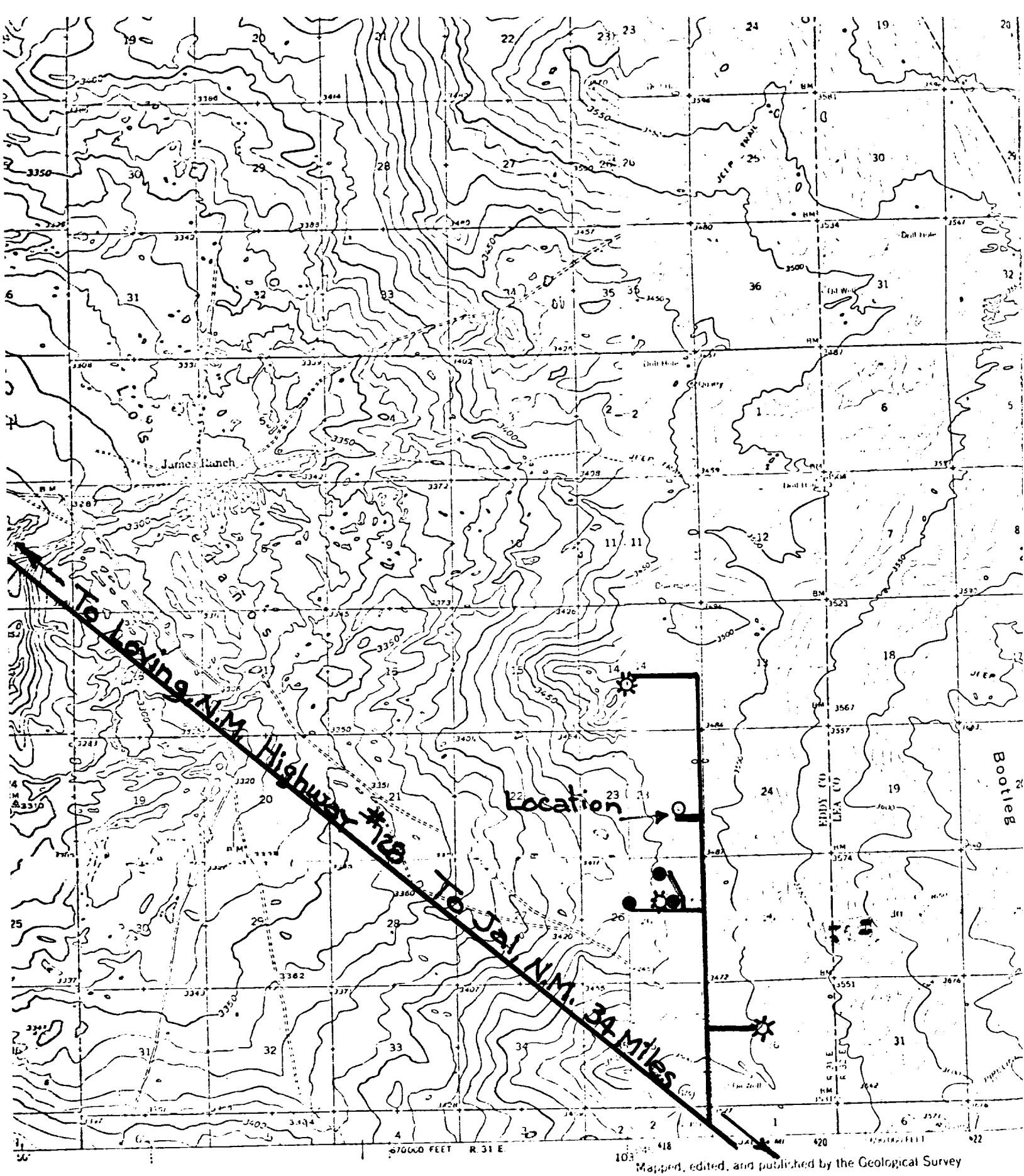
EXHIBIT "B"

DOUBLE SERIES 900 BLOW OUT PREVENTER



1 - 4" Series 900 Valves
2 - 2" Series 900 Valves
3 - 2" Mud Pressure Gauge
4 - 2" Series 900 Choke

EXHIBIT "C"



ROUTES USUALLY TRAVELED

HARD IMPERVIOUS SURFACES

OTHER SURFACE IMPROVEMENTS

U. S. ROUTE 1942 STATE ROUTE

Miles

Yards

Polyconic projection. 1927 North American datum

5000 yard grid based on U. S. zone System, E

10000 foot grid based on New Mexico (East) rectangular coordinate system

Mapped, edited, and published by the Geological Survey

NASH DRAW, N. MEX

EXHIBIT "A"