Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved. Copy to S.F.
Budget Bureau No. 42-R1425.

30-015-21143

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 0545437-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Todd "1" Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: ~~Undesignated~~ Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 1, T-24-S, R-31-E

12. COUNTY OR PARISH: Eddy

13. STATE: N. Mexico

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [X]

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' FNL & 1980' FWL
At proposed prod. zone:

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MAR 27 1974
O. C. C.
ARTESIA, OFFICE

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1980	560	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
-	15,500	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3528.5 GR

22. APPROX. DATE WORK WILL START*: Before 5-1-74

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	600'	1600 sx Circulated
17-1/2"	13-3/8"	61#, 68#, 72#	4,400'	3400 sx Circulated
12-1/4"	9-5/8"	43.5#, 47#	12,700'	2400 sx Est top 4000'
8-1/2"	7-5/8" liner	39#	15,500'	300 sx

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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. Cannaud TITLE Engineer DATE March 25, 1974

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS VALID FOR 90 DAYS IF OPERATIONS ARE NOT COMMENCED WITHIN 6 MONTHS.
EXPIRES JUN 26 1974

APPROVED
3-26-74
NOT VALID UNTIL
A. L. BEEKNAL
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

SUBJECT TO ATTACHED DEEP WELL CONTROL REQUIREMENTS DATED JUN 22 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	Lease	Well No.
TEXAS AMERICAN OIL CORP.	TODD "1" FEDERAL	1

Unit Letter	Section	Township	Range	County
F	1	24 SOUTH	31 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3528.5	Delaware, Morrow	~~Wildcat~~ Undesignated Quahada Ranch	Delaware (40) Morrow (320)

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).

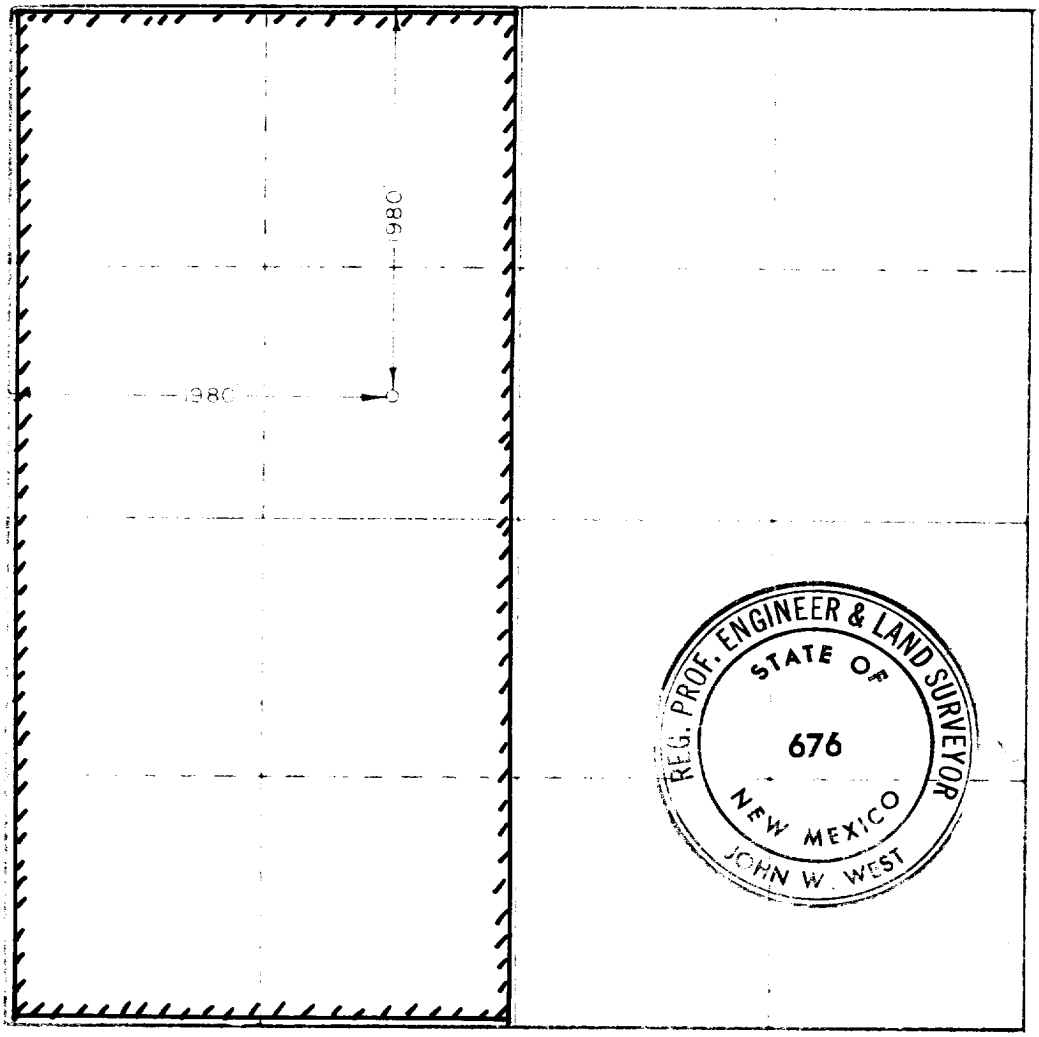
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc?

one lease

☐ 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.



660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

N. T. Emanuel

Name
N. T. Emanuel

Position
Engineer

Company
Texas American Oil Corp.

Date
January 28, 1974

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ARTESIA, NEW MEXICO

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
January 21, 1974

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.
676

TEXAS AMERICAN OIL CORPORATION

January 28, 1974

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

Todd "1" Federal, Well No. 1
1980' FNL & 1980' FWL
Section 1, T-24-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 lines 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 Amerian 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' - Bentonite and lime.
600 - 4400' - Brine treaged w/Benex to control solids. LCM for loss of fluid. (Max. wt. 10#/gal.)
4400 ' 12,700' - Fresh water/w/Benex to control solids. Flosal for improved samples. LCM for loss of fluid. Start w/8.4#/gal., increase to 9.2#/gal. @ 8000'. Max wt. 10.5#/gal.)
12,700 - 15,500' - Fresh water w/Benex - Bentonite for vis., Barite for wt., cellex for filter loss, coustic Q-Broxin to control flow properties. (Start w/12.5#/gal. and increase as needed. Max wt. 15.3#/gal.)

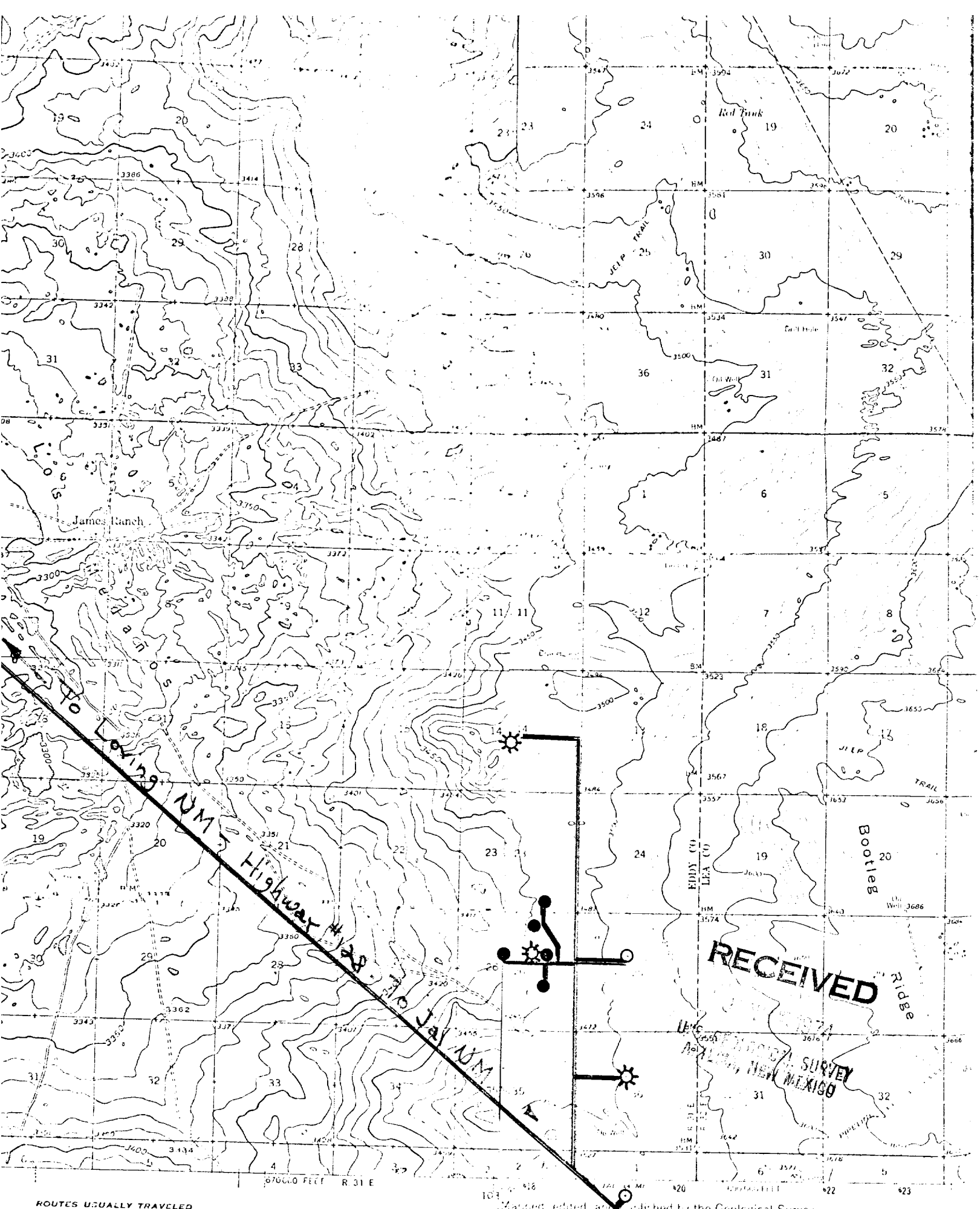
13) Blow Out Preventer: See attached Exhibit "C" for detail.

Yours very truly,

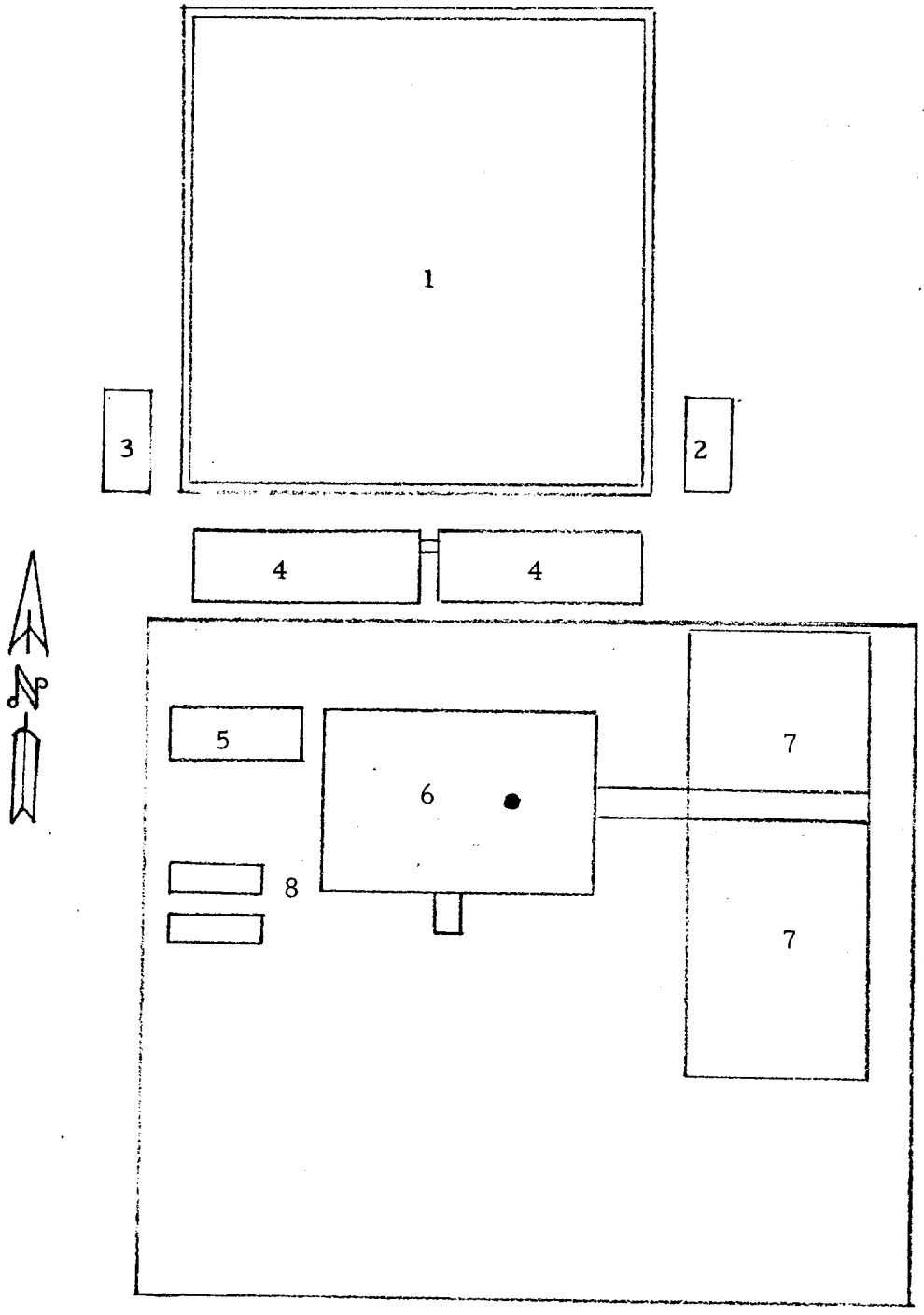
N. T. Emanuel

cc

Attachments


James Ranch
Red Tank
JEEP TRAIL
Bootleg Ridge
EDDY CO
LEA CO
To Loving NM
Highway #128
To Jal NM
RECEIVED
670000 FEET
R 31 E
ROUTES USUALLY TRAVELED
IER SURFACE IMPROVEMENTS
U. S. ROUTE 1942
STATE ROUTE
Mapped, edited, and published by the Geological Survey
EXHIBIT "A"

DRILLING LOCATION

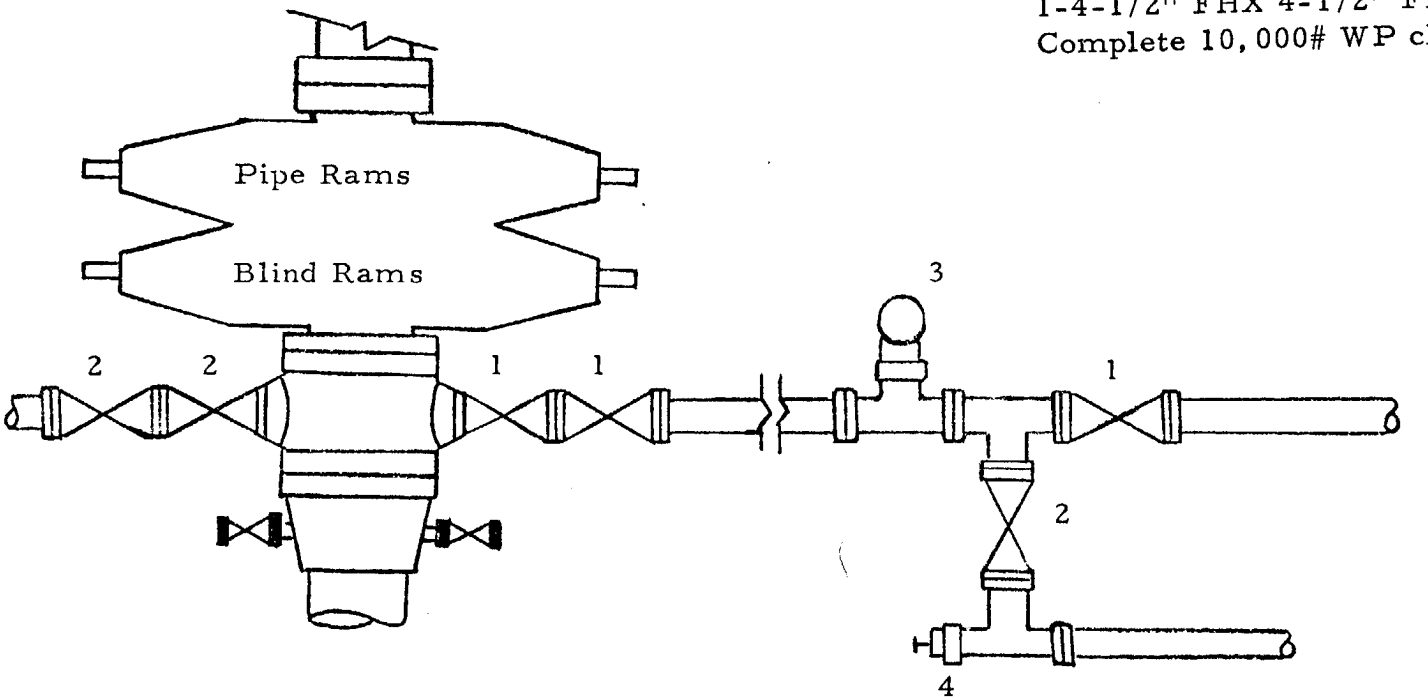


1 - Reserve Pit
2 - Waste Water Pit
3 - Burn Pit
4 - Mud Tanks
5 - Mud Pump
6 - Drilling Rig
7 - Pipe Racks
8 - Water Storage Tanks

EXHIBIT "B"

DOUBLE SERIES 900 BLOW OUT PREVENTER

NOTE:
Below 4400' the equipment shown will be replaced with the following:
3-11" Shaffer Type XHP 10,000# W. P.
1-11" Hydril Type GK - 10,000, 10,000# WP
1-4-1/2" FHX 4-1/2" FH inside BOP
Complete 10,000# WP choke Manifold



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

EXHIBIT "C"