

Form 9-231 C (May 1963)

SUBMIT IN LICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

30-051-20004

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X], DEEPEN [], PLUG BACK []
1b. TYPE OF WELL: OIL WELL [X], GAS WELL [], OTHER []
2. NAME OF OPERATOR: Beard Oil Company
3. ADDRESS OF OPERATOR: 2000 Classen Bldg., Suite 200, South Oklahoma City, Okla. 73106
4. LOCATION OF WELL: At surface 22181 EWL 6 998 FSL of Sec. 22-13S-1E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 12 miles east, 2 miles south of Engle, New Mexico
16. NO. OF ACRES IN LEASE: 1745
17. NO. OF ACRES ASSIGNED TO THIS WELL: 40
19. PROPOSED DEPTH: 2200
20. ROTARY OR CABLE TOOLS: Rotary
22. APPROX. DATE WORK WILL START: March 1, 1975

5. LEASE DESIGNATION AND SERIAL NO. USA - N.M. 9742
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME Jornada del Muerto
8. FARM OR LEASE NAME
9. WELL NO. 3
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 22-T13S-R1E
12. COUNTY OR PARISH Sierra
13. STATE New Mexico

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Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12-1/4" hole with 8-5/8" casing and 7-7/8" hole with 4-1/2" casing.

- (1) If conductor is needed set and cement 16" conductor in a 20" hole at approximately 30' with a rathole or cable tool rig.
(2) Move in and rig up rotary tools and drill a 12-1/4" hole to 400'. Run 8-5/8" casing to 400' and cement to the surface.
(3) Nipple up blowout preventer and test the blowout preventer and casing to 800 psi.
(4) Drill 7-7/8" hole to TD of 2200'.
(5) Take drill stem tests as warranted from mud logging unit and samples.
(6) Run logs at total depth.
(7) If production is indicated after running logs, run 4-1/2" production casing and set and cement through all prospective zones.
(8) Selectively perforate casing and test. Stimulate if necessary.
(9) Test and complete.

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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.

SIGNED James W. Vater, Jr. TITLE Operations Manager DATE 1/28/75

(This space for Federal or State office use)

APPROVED FEB 19 1975 H. L. BEEKMAN ACTING DISTRICT ENGINEER

THIS APPROVAL IS RECORDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS EXPIRES MAY 13 1975

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form with various fields and text, including "GEOLOGICAL SURVEY" and "DEPARTMENT OF THE INTERIOR". The form contains several sections with headings like "GENERAL INFORMATION", "WELL INFORMATION", and "PROPOSAL INFORMATION". It includes fields for well name, location, and other details. There are also some handwritten notes and numbers scattered throughout the form.

**N MEXICO OIL CONSERVATION COMMISS
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.

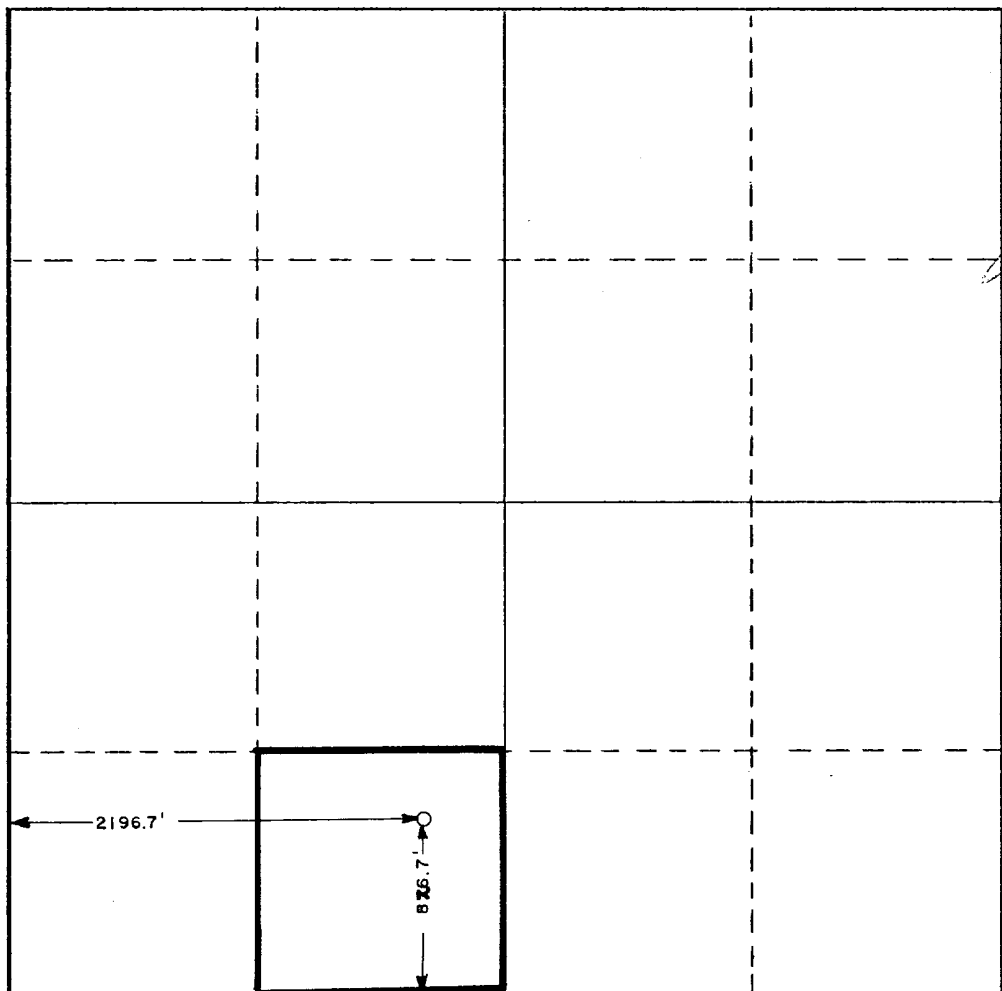
Operator BEARD OIL COMPANY			Lease JORNADA DEL MUERTO UNIT			Well No. 3		
Unit Letter	Section 22	Township 13 South	Range 1 East	County Sierra County, New Mexico				
Actual Footage Location of Well: 827 feet from the South line and 2197 feet from the West line Sec. 22								
Ground Level Elev. 5500' (Approx.)	Producing Formation Wildcat		Pool Wildcat			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.

James W. Vater, Jr.
Name

James W. Vater, Jr.

Position
Operations Manager

Company
BEARD OIL COMPANY

Date
1-31-75

*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. **

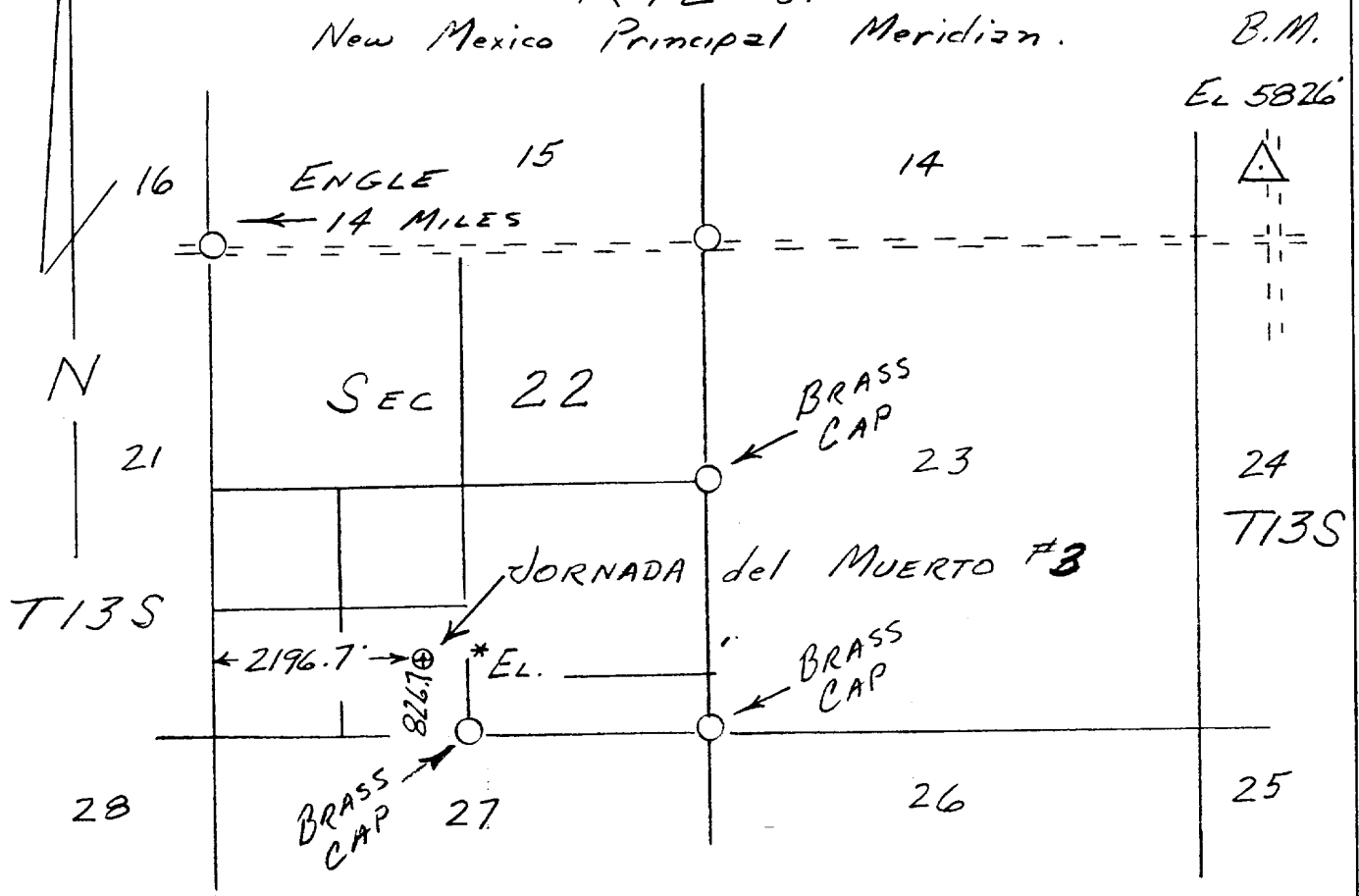
***SEE SURVEY PLATS ATTACHED**

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

R 1 E of
New Mexico Principal Meridian.



Plat showing location of Jornada del Muerto #3, 826.7 feet north of the south line and 2196.7 feet east of the west line of Section 22, T 13S, R 1E, NMPM, Sierra County, State of New Mexico.

(Prepared for Vater-Beard Oil Company, Oklahoma City, Oklahoma.)

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

* EL. AT POINT 50' NORTH IS 5468.3

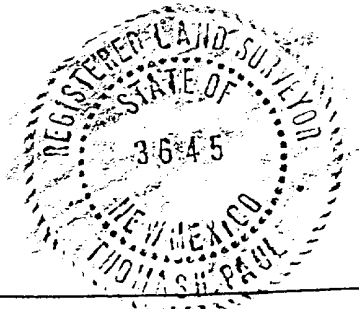
CERTIFICATE

This is to certify that I am a Registered Land Surveyor in the State of New Mexico, that this plat has been prepared from notes of an actual survey made by me or under my direct supervision, and that both are true and correct to the best of my knowledge and belief.

FEB. 11, 1975 *Thomas H. Paul*

Date Thomas H. Paul
Cert. No. 3645

Survey No. 286



BEARD OIL COMPANY
SUITE 200, 2000 CLASSEN BUILDING
2000 CLASSEN BOULEVARD
OKLAHOMA CITY, OKLAHOMA 73106

LOCATION PLANS
for
BEARD OIL COMPANY
JORNADA DEL MUERTO UNIT #3
SE SW of Sec. 22 T13S-R11E
Sierra County, New Mexico

The 12-point "Plan of Development" relative to drilling and production of the Jornada del Muerto Unit #2 is detailed below:

- (1) Existing Roads: The main road in this area is State Highway 52, which runs from Engle, New Mexico in a northeasterly direction. At a point approximately 9 miles east out of Engle on Highway 52, turn south and follow a dirt and caliche road which runs in a southeasterly direction to a point approximately 1 1/2 miles west and 3/4 mile north of the proposed location. The road then turns east and runs along the north line of the drillsite section. See Attached map Exhibit "A".
- (2) Planned Access Road: The access road will consist of approximately 3/4 mile of road running in a southerly direction from a point on the existing road along the north side of Sec. 22. See Attached map Exhibit "A". Width of road = 20'. Road will be caliched or graveled if necessary.
- (3) Location of Existing Wells: The closest well drilled to this location was the Shell Oil Company Leeman Federal #1 which was located in Sec. 17, T13S R1E, Sierra County, New Mexico approximately 2 1/4 miles northwest of the proposed location.
- (4) Lateral Roads to Well Locations: None within a half-mile of proposed location.
- (5) Location of Tank Batteries & Flow Lines: The tank battery will be placed on the existing rig pad if the well is productive. See attached plat Exhibit "B".
- (6) Water Supply: Water will be hauled from existing stock ponds in the area.
- (7) Waste Disposal: Cuttings will be put in the reserve pits. Other trash & debris will be put in a burn pit. This pit will be filled after the drilling is completed. The working pits will be filled after the well is drilled. The reserve pit will be fenced and filled when dry enough to do so.

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LOCATION PLANS
for
BEARD OIL COMPANY
JORNADA DEL MUERTO UNIT #3
SE SW of Sec. 22 T13S-R11E
Sierra County, New Mexico

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- (8) Camps: There will be a trailer house at the location, but no camps will be set up.
- (9) Location of Airstrips: No airstrips will be constructed for the drilling of this well.
- (10) Location Layout: The rig to be used is a trailer mounted Wilson Mogul Model 42. The attached Exhibit C shows the general layout of the rig.
- (11) Plans for Restoration of the Surface: After completion of drilling the working pits and burn pit will be filled. The reserve pit will be fenced if it is too wet to backfill at the time the well is completed and will be filled when it has dried up. The location will be restored and reseeded to the satisfaction of the BLM and the USGS.
- (12) General: The surface is dipping to the west at approximately 125' per mile. There is very little grass or vegetation on the location. The surface of this location is public domain land.

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GRAHAM RANCH HEADQUARTERS 4.4 MI.

15 MINUTE SERIES (TOPOGRAPHIC)

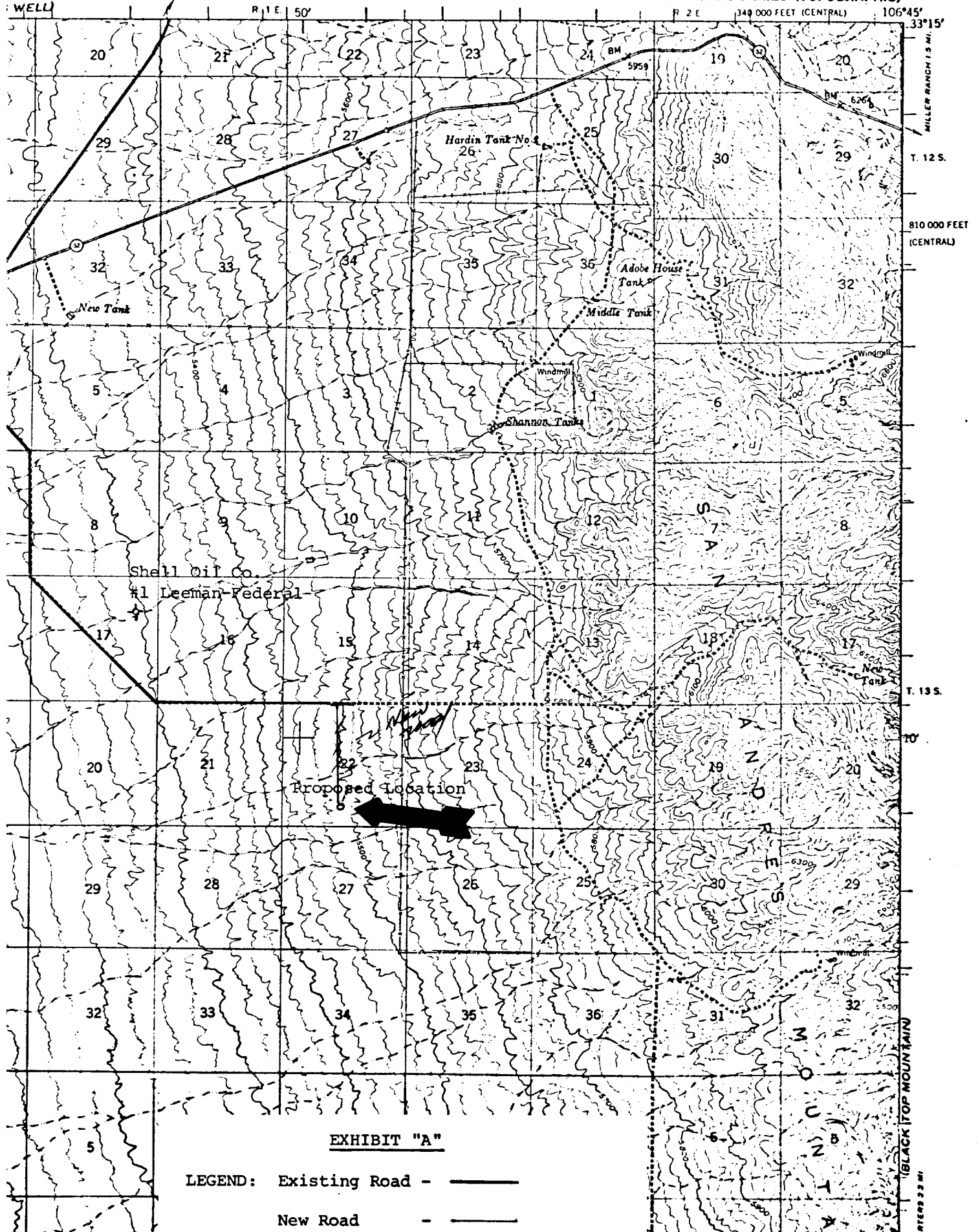
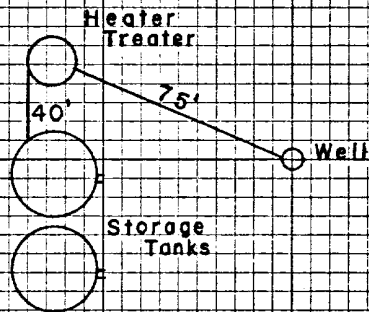
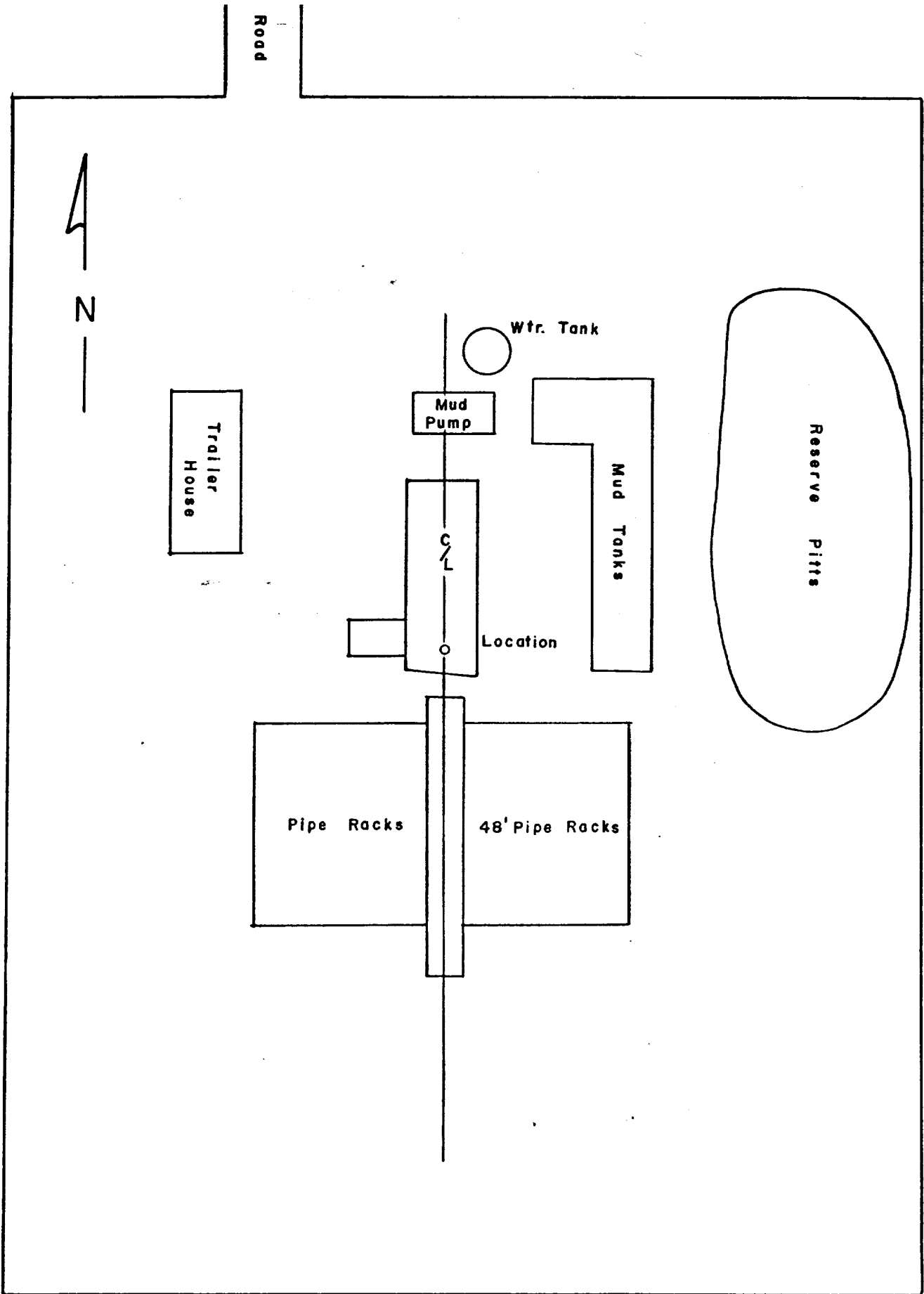


EXHIBIT "A"

LEGEND: Existing Road - ———
New Road - - - - -



Tank Battery Layout
Beard Oil Company
3 Jornada Del Muerto Unit
Sec. 22-T13S-R1E
Sierra County, New Mexico
Exhibit "B"



225'

175'

Schematic Drawing Of Rig Not To Scale
Exhibit "C"