

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

Shenandoah Oil Corporation

3. ADDRESS OF OPERATOR

1500 Commerce Building - Fort Worth, Texas - 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

Unit L - 660' FWL and 1980' FSL Section 35-17S-29E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4 miles SW Ioco Hills, New Mexico

16. 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

80

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.

1,320'

19. PROPOSED DEPTH

3,300'

20. ROTARY OR CABLE TOOLS

Rotary

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

3,538' (approx.)

22. APPROX. DATE WORK WILL START*

April 15, 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"	24#	475'	Circulate
8"	5-1/2"	14#	3,300'	250 sks.

It is planned to core the Ioco Hills and Metex Zones in the Grayburg and the Jackson Zone in the San Andres.

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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.

24.

SIGNED

C. W. Downey, Jr.

TITLE

Operations Superintendent

DATE

March 12, 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

THIS APPROVAL IS VALID ONLY IF OPERATIONS
ARE NOT COMMENCED WITHIN 60 DAYS.
EXPIRES JUL 15 1974

See Instructions On Reverse Side

DECLARED WATER BASIN

CEMENT BEHIND THE
CASING MUST BE CIRCULATED

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.

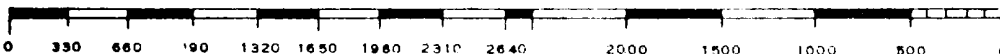
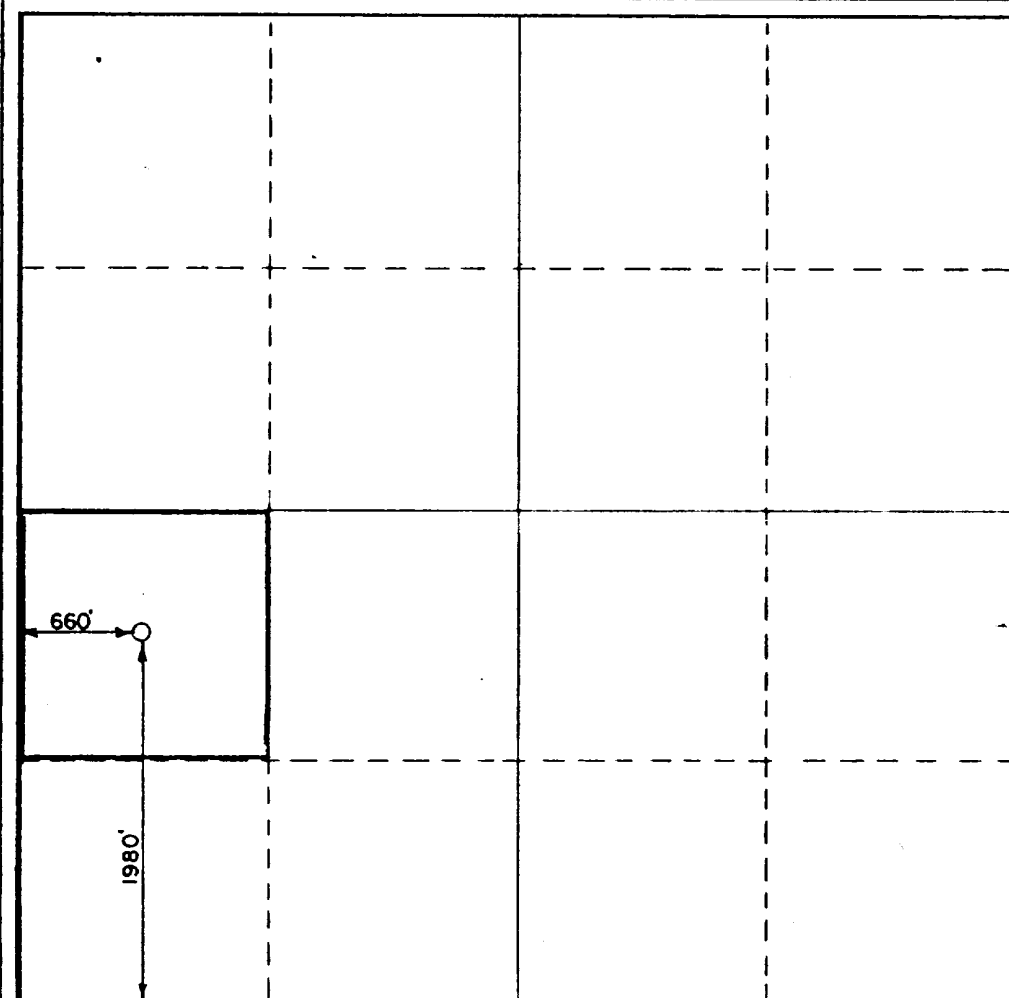
Operator SHENANDOAH OIL CORPORATION			Lease F. M. ROBINSON "B" TRACT 2		Well No. 1
Unit Letter "L"	Section 35	Township 17 S.	Range 29 E.	County Eddy	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the West line					
Ground Level Elev. 3538	Producing Formation Grayburg-San Andres		Pool Grayburg-Jackson		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. Downey, Jr.

Name **C. W. Downey, Jr.**

Position **Operations Superintendent**

Company

Shenandoah Oil Corporation

Date

March 12, 1974

Date

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 I hereby certify that the well location shown on the plat was posted 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.
NEW MEXICO SURVEY

Date Surveyed

March 5, 1974

Registered Professional Engineer and/or Land Surveyor

[Signature]

Certificate No.

3640



SHENANDOAH OIL CORPORATION

B. J. KELLENBERGER
PRESIDENT

1500 COMMERCE BUILDING
FORT WORTH, TEXAS 76102
817/332-7381
TWX: 910 890 5023

March 29, 1974

Re: Shenandoah Oil Corporation's
Application for Permit to Drill
Well in Unit "L", Sec.35-17S-29E
Eddy County, New Mexico

United States Geological Survey
Conservation Division
Southern Rocky Mountain Area

c/o Geological Survey Office
Post Office Drawer U
Artesia, New Mexico - 88210
Attention: Mr. Beekman

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Gentlemen:

In regard to the Development Plan for Surface Use to be attached to Application for Permit to Drill, the requirements listed in your notice of September 1, 1973 to all lessees and operators of Federal Leases will be answered in this letter in the same order--one through twelve.

(1) Existing roads and exit from main highway will be shown on Exhibit No. 1. One locatable reference point on Exhibit No. 1 is Injection Well No. 11, one location north of proposed location. The location of this well is 1,980' FNL and 660' FWL Section 35-T17S-R29E, Unit "E".

(2) Planned access roads are shown on Exhibit No. 1 and will be approximately 12' wide and 1,300' long. Road will be surfaced, watered and graded.

(3) Location of existing wells shown on Exhibit No. 1.

(4) Lateral roads to existing wells shown on Exhibit No. 1.

(5) Location of existing tank batteries and flow lines shown on Exhibit No. 2; proposed tank battery and flow line also shown on Exhibit No. 2. It is proposed to use this off-lease storage because of existing pipeline connection and tank pad. The official location of proposed battery is 2,240' FSL and 700' FEL, Section 34-17S-29E. The length of proposed flow line would be approximately 1,360'.

(6) For water supply for drilling, it is planned to use as much produced water from waterflood unit as possible. This will be piped from our

March 29, 1974

waterflood plant shown on Exhibit No. 1. Any make-up water and water for cementing will be purchased from Double Eagle Water Company and will come down same line as produced water. This line will be a temporary line and will be laid beside the planned access road to proposed location.

(7) For handling waste disposal, we will dig a separate pit while making location. This pit will be large enough and deep enough to cover all waste with two feet of cover.

(8) All permanent-type structures are shown on Exhibit No. 1. The nearest dwelling house to proposed location is approximately one-half mile.

(9) No air strip will be constructed.

(10) Layout of rig, etc. will be shown on Exhibit No. 1. The location will be kept as small as possible to accommodate rig. The location will be surfaced and compacted.

(11) As this is an "inside" well, we plan to set pipe and put well on production. Other than the drilling site pad, we plan to fill and level and return as near as reasonable to the original contour of the land.

(12) This location should create very little impact on environment as the topography is mostly sand with very little vegetation and no large hillside or gullies.

For any additional information, contact our Field Representative, Mr. Carroll Bellah--home phone (505) 396-5278; office phone (505) 676-2542, or mobile phone (505) 676-3385.

I hope the plats and this letter will give you sufficient information to "O.K." this Application to Drill. However, if you need additional information, feel free to call on Mr. Bellah or myself. I can be reached at (817) 332-7381 in Fort Worth.

Respectfully yours,

SHENANDOAH OIL CORPORATION

C. W. Downey, Jr.
C. W. Downey, Jr.
Operations Superintendent

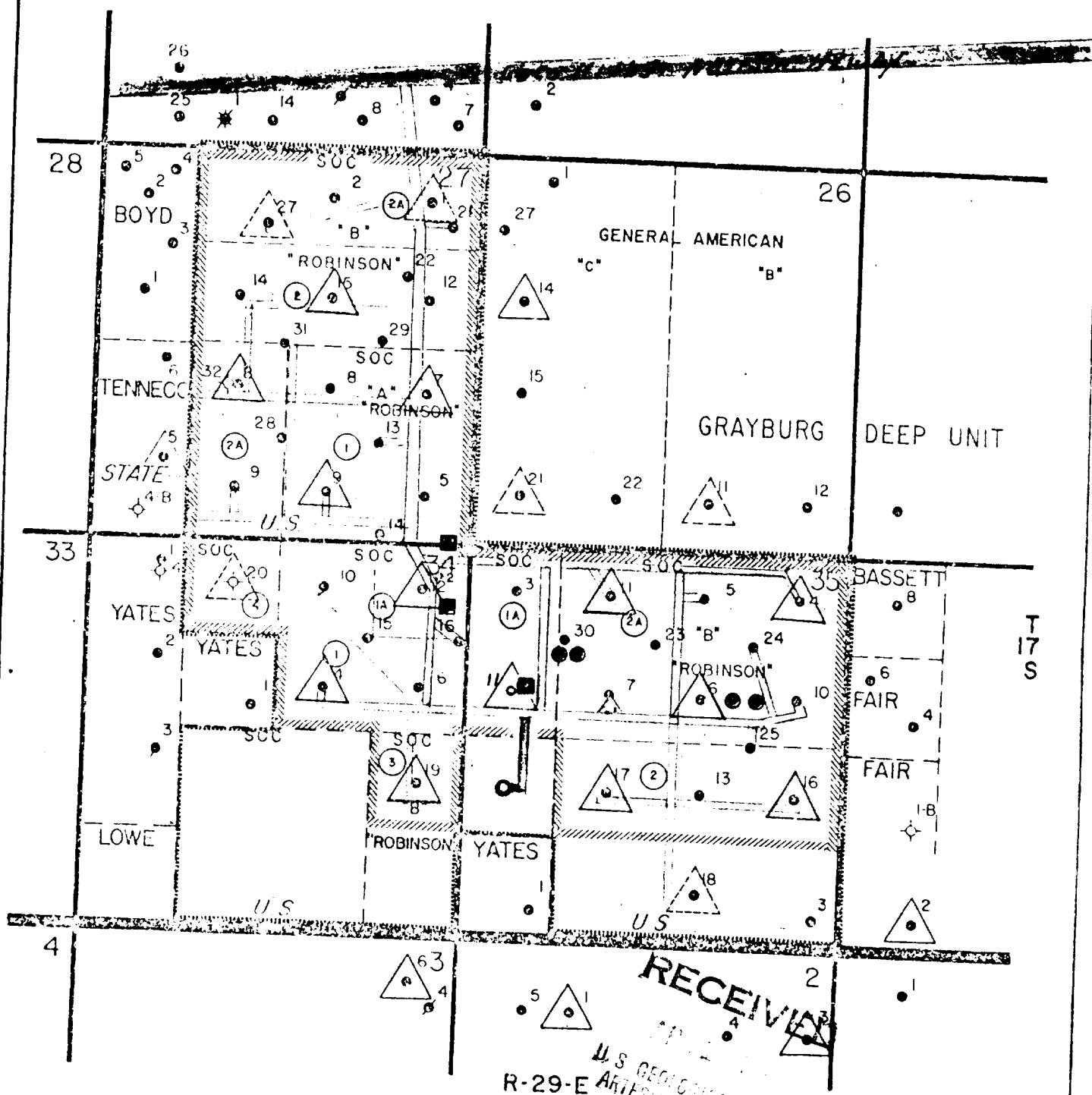
CWDJr:ah
Enclosures

cc: C. Bellah

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STATE HWY
EXISTING ROADS AND
LATERAL ROADS TO LOCATIONS
PLANNED ACCESS ROAD TO
PROPOSED LOCATION
PROPOSED LOCATION
WATERFLOOD PLANT
DWELLING HOUSES
EXISTING TANK BTRYS.

LEGEND

PROJECT OUTLINE
UNIT OUTLINE
PRODUCING WELL
PROPOSED PRODUCING WELL
INJECTION WELL
PROPOSED INJECTION WELL
UNIT TRACT NO.

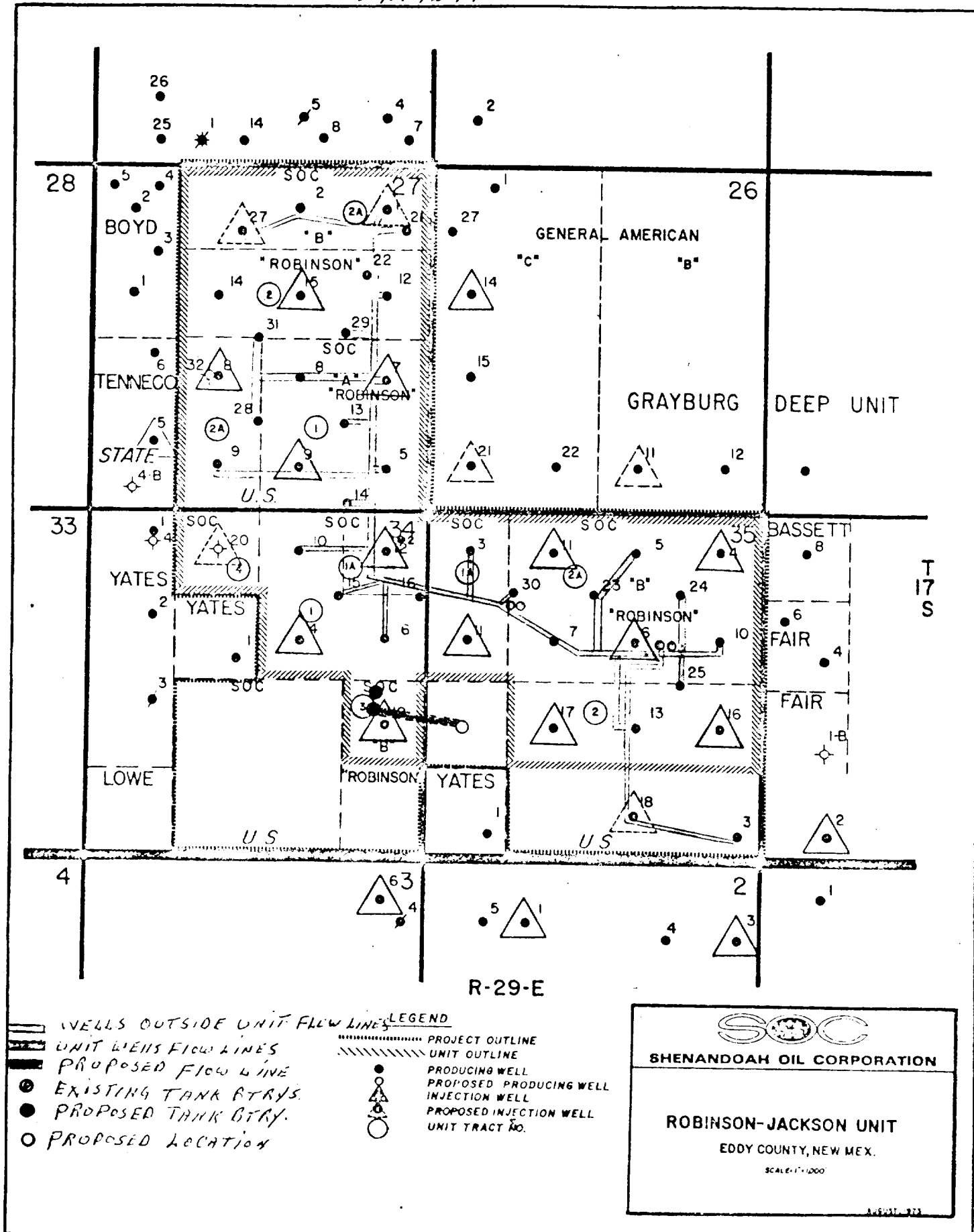
SHENANDOAH OIL CORPORATION

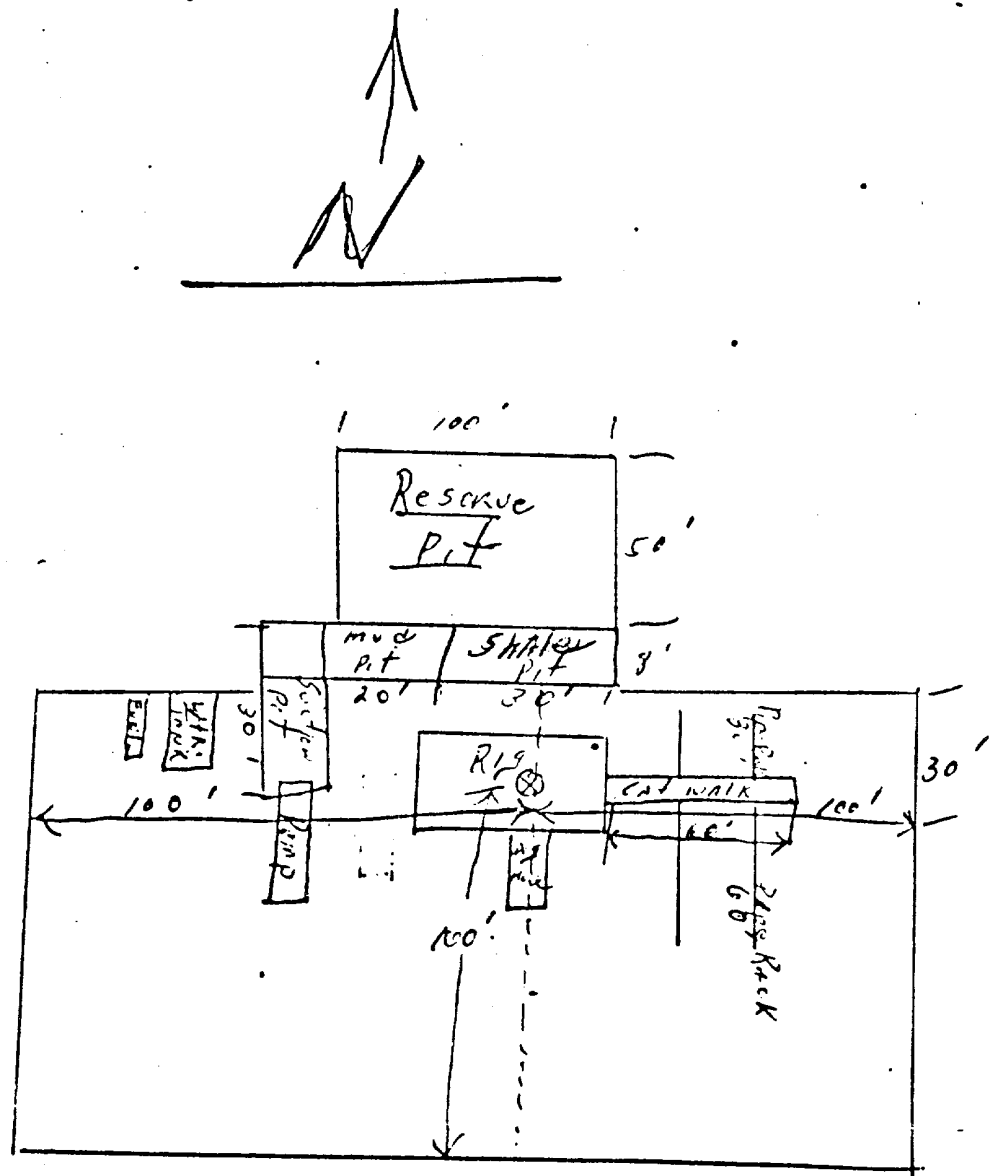
ROBINSON-JACKSON UNIT
EDDY COUNTY, NEW MEX.

SCA 6117-1000

AUGUST 1971

EXHIBIT #2



Rig #1 Location & Mud Pit Specs.

Schaeffer Type E 10" Series 900 Hydraulic BOP. The waste and debris from this well will be disposed of in a reserve pit and covered up.

30-015-21173

OKRID # 24164

PROP #

Pool 28509