

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

GETTY OIL COMPANY

## 3. ADDRESS OF OPERATOR

P.O. Box 3360  
Casper, Wyoming 82602

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

At surface

1715' FSL, 2310' FEL

At proposed prod. zone

Same

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

12 miles Southwest, Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

925'

## 16. NO. OF ACRES IN LEASE

280

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

S. 320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

## 19. PROPOSED DEPTH

6325' Dakota

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5875 Gr.

## 22. APPROX. DATE WORK WILL START\*

6-15-1980

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{8}$	8-5/8	24#	350	340 SX CIRCULATE
7-7/8	5-1/2	14#	5650	
7-7/8	5-1/2	15.5#	6325	1100 SX

SEE ATTACHMENTS

New Mexico State approval for a  
pipeline connection at the above  
location is not included in the  
approval of this application for  
Permit to Drill.

gas lubricated

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

*[Signature]*

TITLE

Area Supt.

DATE

5-8-1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*ch 3 and*

W-11C-104 for NSL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

APPROVED AS AMENDED
JUN 19 1980
JAMES F. SIMS
DISTRICT ENGINEER

All distances must be from the outer boundaries of the Section.

Operator <b>GETTY OIL COMPANY</b>			Lease <b>FEDERAL 3S COM</b>		Well No. <b>1E</b>
Unit Letter <b>J</b>	Section <b>3</b>	Township <b>27N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>1715</b>		feet from the <b>South</b>	line and <b>2310</b>	feet from the <b>East</b>	line
Ground Level Elev. <b>5875</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</b> 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.

	<p align="center"><b>CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Claude C. Kennedy</i></p> <p>Name <b>Claude C. Kennedy</b></p> <p>Position <b>Agent</b></p> <p>Company <b>Getty Oil Company</b></p> <p>Date <b>5-8-1980</b></p>
	<p>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.</p> <p>Date Surveyed <b>May 1, 1980</b></p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p><i>Fred B. Kern Jr.</i></p> <p><b>Fred B. Kern Jr.</b></p> <p>Certificate No. <b>3950</b></p> <p><b>KERN, JR.</b></p>

## FORMATION INFORMATION AND DRILLING PRACTICES

Getty Oil Company  
#1E Federal 3-S Com.  
1715'FSL, 2310'FEL  
Sec. 3, T27N, R12W  
San Juan County, New Mexico

1. SURFACE FORMATION: See attached schedule.
2. ESTIMATED GEOLOGIC MARKERS: See attached schedule.
3. WATER, OIL AND GAS ZONES: See attached schedule.
4. PROPOSED CASING PROGRAM: (ALL NEW) See attached schedule.
5. PRESSURE CONTROL EQUIPMENT  
Schematic attached,  
Type: 9 or 10" - 900 Series - Double Gate  
Pressure Rating: 3000 psi  
Testing Procedure: Equipment will be pressure tested to 1500 psi prior to drilling out from under surface and operational checks will be made daily and recorded on tour sheet.
6. MUD PROGRAM (Visual Monitoring) See attached schedule.
7. AUXILIARY EQUIPMENT
  1. A Kelly cock will be kept in the string at all times.
  2. Periodic checks will be made each tour of the mud system.
  3. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the Kelly is not in the string.
  4. No bit float will be used.

8. EVALUATION PROGRAM

Logs: Induction Electric and Neutron Formation Density

Cores: None

DST's: None

9. ABNORMAL CONDITIONS:

It is not anticipated that abnormal temperatures, pressures or toxic gases will be encountered.

10. DRILLING ACTIVITY:

Anticipated commencement date: 6-15-1980

Required drilling days: 16 days.

Required completion days: 12 days.

Federal 3S Com #1E

Surface Formation: Unnamed sand and shale

Fm. Tops.	Pictured Cliffs	1515'
	Lewis	1687'
	Mesaverde	2405'
	Mancos	4270'
	Gallup	5120'
	Greenhorn	5935'
	Dakota	6025'
	Proposed TD	6325'

Est. Depths of Anticipated Water, Oil, Gas, or Minerals

1515'-1590'	Gas
6025'-6325'	Gas

Casing Program

Hole Size	Interval	Section Length	Size	Weight, Grade & Joint	New or Used	Mud Wt	SF <sub>ten</sub>	SF <sub>cor</sub>	SF <sub>brst</sub>
12 1/4"	0'-350'	350'	8 5/8"	24.0#, K-55 8rd-ST&C	New	8.8	31.3	8.55	14.75
7 7/8"	0'-5650'	5650'	5 1/2"	14.0#, K-55 8rd-ST&C	New	8.9	2.08	1.125	1.42
7 7/8"	5650'-6325'	675'	5 1/2"	15.5#, K-55 8rd-ST&C	New	8.9	19.89	1.315	1.60

Cement Program

Surface: 290 cu.ft. (340 sks) of Class B containing 2% CaCl and 1/4 #/sk Flocele

Production: 1st Stage: Lead w/ 390 cu.ft. (230 sks) of "Lite" containing 6% gel & 1/4 #/sk Flocele.  
Tail in w/ 135 cu.ft. (105 sks) of Class B containing 1.0% Fluid loss agent & 1/4 #/sk Flocele

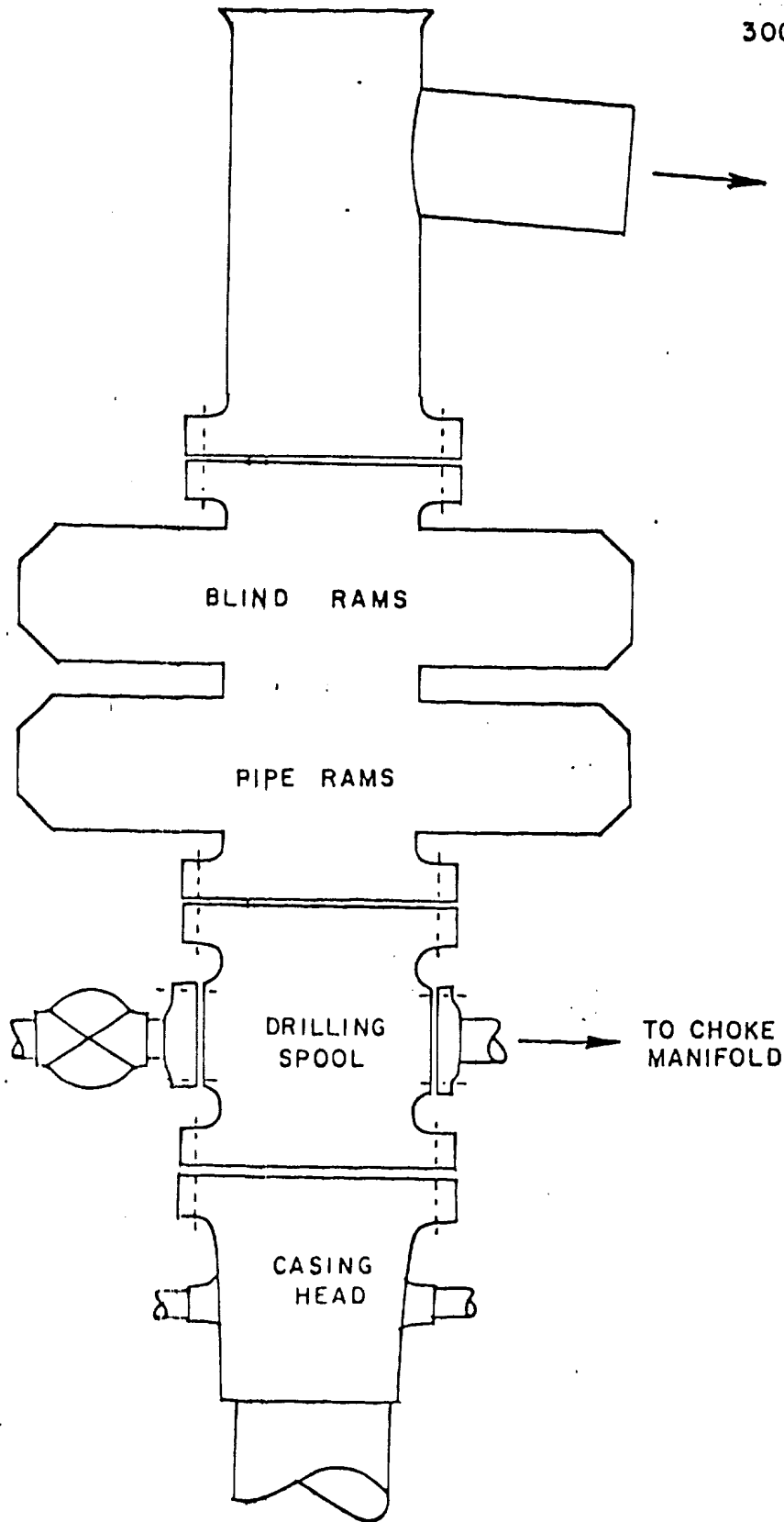
2nd Stage: 804 cu.ft. (470 sks) of "Lite" containing 6% gel & 1/4 #/sk Flocele

3rd Stage: 500 cu.ft. (295 sks) of "Lite" containing 2% CaCl & 1/4 #/sk Flocele

Mud Program

Interval	Mud Type	Mud Wt (ppg)	Viscosity	W.L.	pH	Additives
0'-350'	Gel/Lime	8.4-8.8	50-70	NC	-	Gel, Lime
350'-1500'	Gel/Lime	8.4-8.8	30-32	NC	-	Gel, Lime
1500'-6000'	LSND	8.4-8.8	30-32	10-15	-	Gel, Starch, CMC
6000'-6325'	LSND	8.4-8.9	34-38	10	-	Gel, Starch, CMC

BLOWOUT PREVENTER DIAGRAM  
3000# W.P.



13 POINT SURFACE USE PLAN

Getty Oil Company  
#1E Federal 3-S Com.  
1715' FSL, 2310' FEL  
Sec. 3, T27N, R12W  
San Juan County, New Mexico

1. EXISTING ROADS: (Shown in Green)

The attached topographic map shows all existing roads within (3) miles of the proposed location. All roads are in fair condition and will require a minimal amount of work to upgrade them to handle normal drilling activity traffic.

2. PLANNED ACCESS ROAD (Shown in Red)

Width: 20' flat bladed.

Maximum Grades: 2% or less, road is flat.

New road required: NONE

No cut, fill, turnouts, culverts or gates will be required.

Water bars will be consistent with existing drainage pattern.

3. LOCATION OF EXISTING WELLS:

Map attached.

4. LOCATION OF EXISTING OR PROPOSED PRODUCTION FACILITIES:

A. All production facilities are to be contained within the proposed location.

B. Production facilities are present on wells as per 3. above.

5. LOCATION AND TYPE OF WATER SUPPLY:

Hilltop water well.

6. SOURCE OF CONSTRUCTION MATERIAL:

Any construction material required for road or location will be excess materials accumulated during building of such sites.

7. METHOD FOR HANDLING WASTE DISPOSAL:

1. The cuttings will be retained in the reserve pit.

2. Drilling fluids will be contained in a reserve pit or mud tanks until well is completed.

3. Oil will be collected in tanks. Little or no water is anticipated at this location. If volume of oil is sufficient, it will be trucked from location.

4. A portable toilet will be provided.

5. A fenced pit will be provided for trash. The trash pit will be enclosed with small mesh wire. The reserve pit will be fenced.

6. Location and mud pits will be leveled and seeded as soon as feasible after well is completed. The area will be cleaned of all trash and materials.

13 POINT SURFACE USE PLAN - continued

Page - 2

8. ANCILLARY FACILITIES:

No camps or airstrips will be constructed.

9. WELL SITE LAYOUT:

The attached layout shows the drilling rig with all supporting facilities. Cut and fill, required for pad construction, is also shown.

10. SURFACE RESTORATION PLANS:

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both road and location will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of location not needed for operation will be repaired as above. The portion of the location needed for daily production operations, and the access road, will be kept in good repair and clean.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, and proper disposal of any nonburnable material that can not be safely buried. Any oil that has accumulated on the pits will be trucked away.

11. OTHER INFORMATION:

A. General topography of the area may be seen on the attached map.

B. There were no archaeological or cultural sites visible on the location. The archaeologist's report is forthcoming.

C. Animal life: Small wild life

D. Dwellings: None

E. Drainage: Sprinkler irrigated field

F. Surface Owner: BLM

G. General location: 8 miles Southwest, Bloomfield, New Mex.

12. OPERATOR REPRESENTATIVES:

Paul Berhost  
Farmington, New Mex.  
Phone: (505) 325-9682  
327-3622

H. E. Aab  
Area Supt.  
P.O. Box 3360  
Casper, Wyoming 82602  
Phone: (307) 265-8386

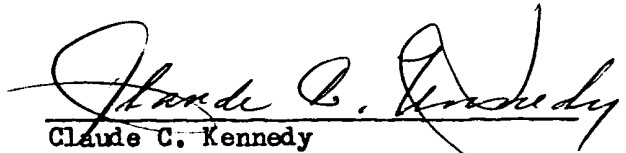


13 POINT SURFACE USE PLAN - continued

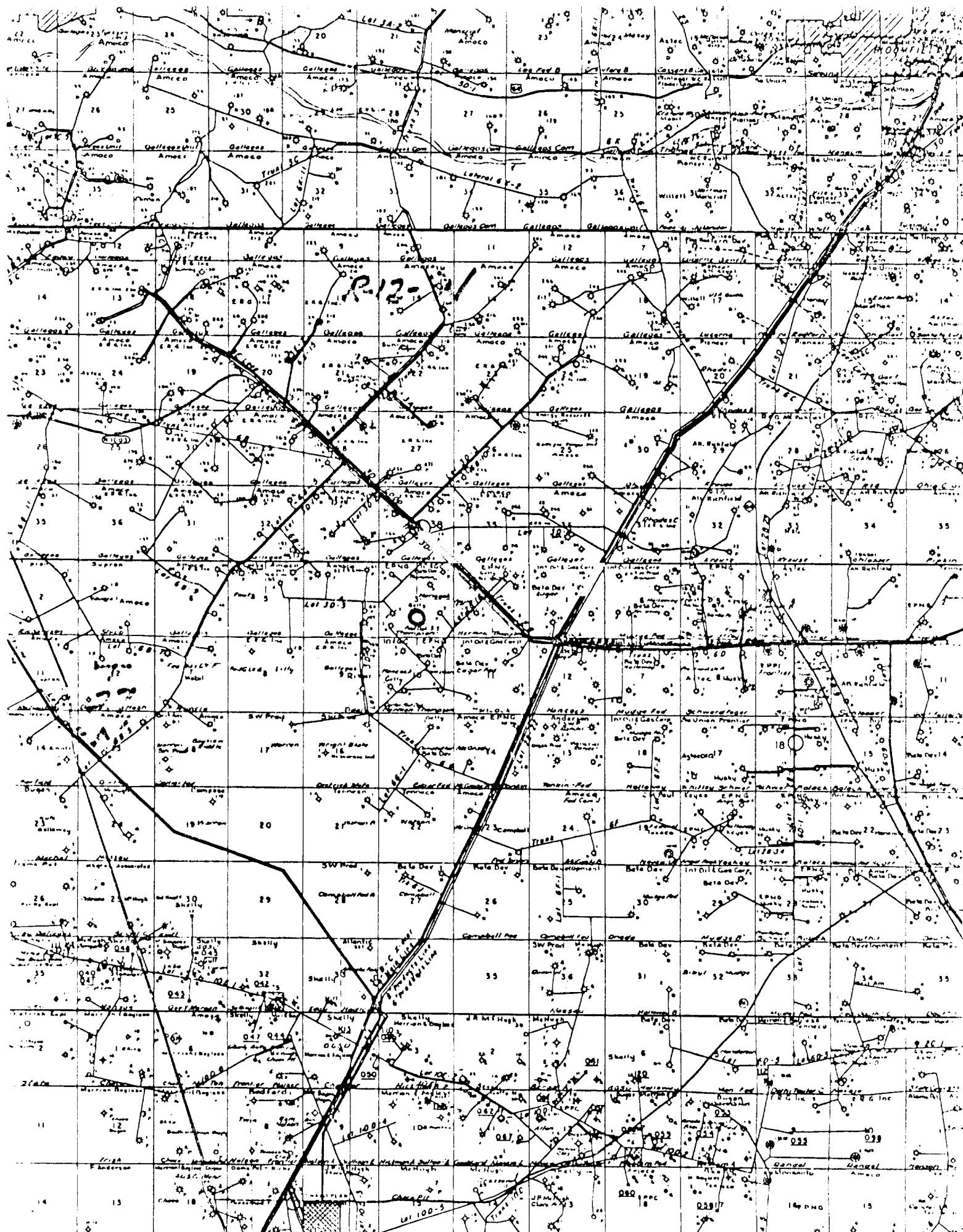
Page - 3

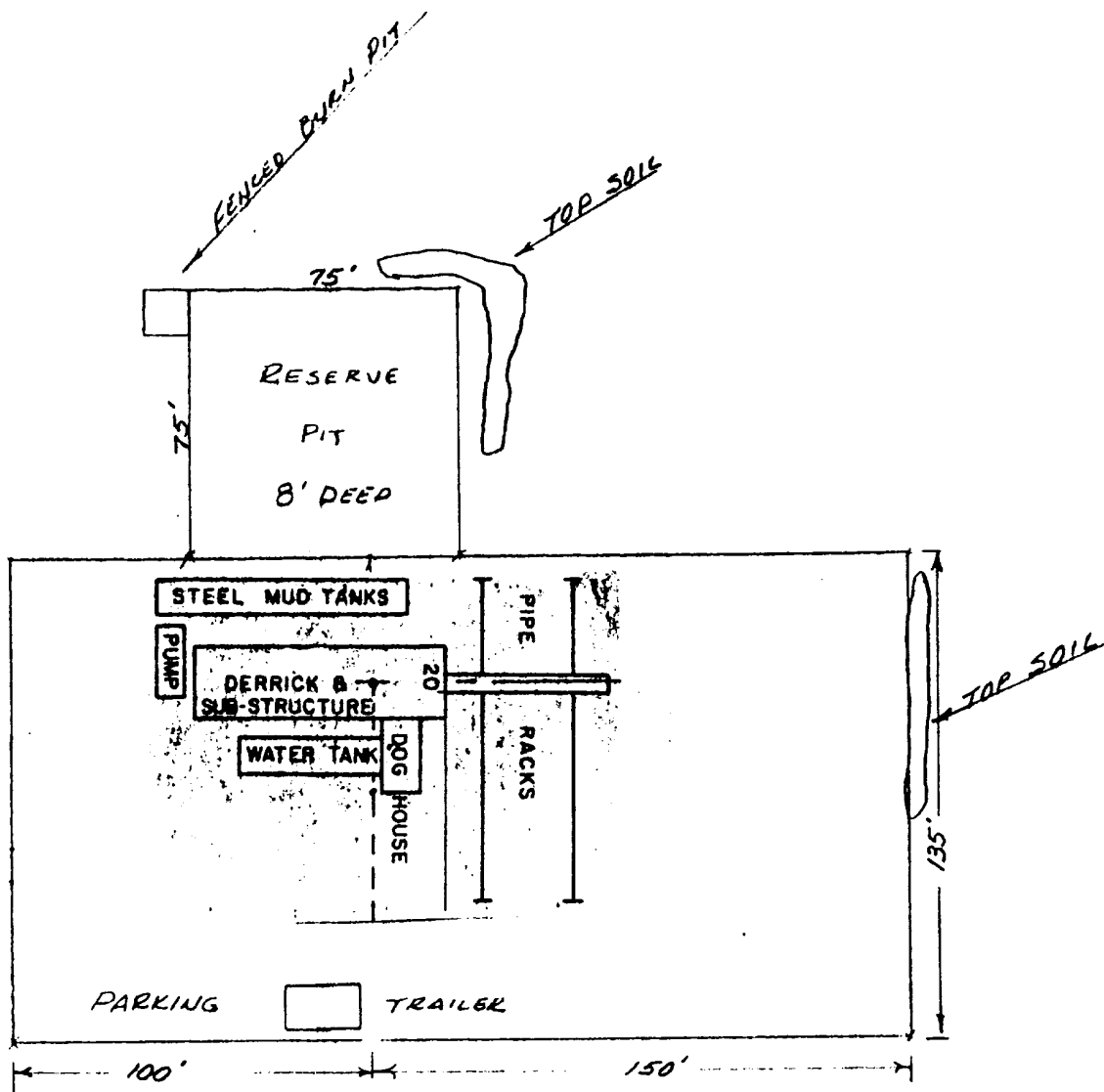
13. CERTIFICATION:

I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are to the best of my knowledge; true and correct; and, that the work associated with the operations proposed herein will be performed by operator, and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

  
Claude C. Kennedy

Date: 5-8-1980





RIG LAYOUT

SCALE 1" = 50'

Vicinity Map for  
GETTY OIL COMPANY #1E FEDERAL 3S COM  
1715'FSL 2310'FEL Sec. 3-T27N-R12W  
SAN JUAN COUNTY, NEW MEXICO

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