

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 032369	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Texas Pacific Oil Company, Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 4067, Midland, Texas 79701			8. FARM OR LEASE NAME Elliott B-12	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface Unit D 567' FNL & 467' FWL At proposed prod. zone			9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2 1/2 miles SE Eunice, New Mexico			10. FIELD AND POOL, OR WILDCAT Drinkard & Wantz (GW)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 467'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T-22-S, R-37-E	
16. NO. OF ACRES IN LEASE 40'			12. COUNTY OR PARISH 13. STATE Lea New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. PROPOSED DEPTH 7450'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 3350			22. APPROX. DATE WORK WILL START* Upon Approval	

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	1250'	600 sxs Class C <b>CIRCULATE</b>
8-3/4"	7"	26 & 23 #	7450'	140% of Calipered Volume
				to 2900'

To drill &amp; complete as dual Drinkard-Wantz (Granite Wash) oil well.

## See Attachments:

Development Plan for Surface Use  
Drilling Procedure  
Casing & Cementing Program  
Mud & Logging Program

BOP 10" Shaeffer Type "B" double ram series 900,3000 psi w/hydraulic controls. To be tested when installed and on trips below surface casing.

EXP. DATE DEC 23 1975

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 B. J. Knight TITLE Drilling Coordinator DATE 7/29/75  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

SEP 23 1975

JIM SIMS  
ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

Elliott B-12 Well No. 2  
Wantz Granite Wash Field  
660' FNL & 750' FWL, Sec. 12, T-22-S, R-37-E  
Lea County, New Mexico

CEMENTING PROGRAM

SURFACE CASING

Hole (Bit) Size:	12-1/4"
Casing Size:	9-5/8"
Approximate Setting Depth:	1250'
Estimated BHT:	800° F
Rate, BPM:	6-8
WOC Time:	24
Test Pressure:	1000 psig - 30 mins.

No caliper. Volume of cmt equivalent to 200% of theoretical hole size. Cmt to circ. Use 600 sx of class "C" cmt w/2% cacl<sub>2</sub>, 14.8 ppg, 1.32 ft<sup>3</sup>/sk.

Equipment:

- Guide Shoe (1)
- EZ-Lok Clamp (1)
- Float Collar (1)
- S-3 Centralizer (3)
- Howco Weld-A-Kit (2)

Threadlock shoe and float collar. Centralizers installed on middle of shoe jt and next two collars above shoe jt.

PRODUCTION CASING

Hole (Bit) Size:	8-3/4"
Casing Size:	7"
Approximate Setting Depth:	7450'
Estimated BHT:	110° F
Rate, BPM:	6-8
WOC Time:	24 hrs.
Test Pressure:	1500 psig - 30 mins.

Volume of cmt equivalent to 140% of calipered hole size (use caliper from open-hole porosity log). Lead slurry should be calculated to fill from 4500' to 2400' and the tail-in slurry should be calculated to fill from TD to 4500'. Displace plug w/fresh water. WOC 8-10 hrs. Run temp survey to determine cmt top.

Lead slurry: \_\_\_\_\_ sx TLW w/4% gel, 1/4 lb/sk flocele, 12.0 ppg, 1.85 ft<sup>3</sup>/sk.

Tail-in slurry: \_\_\_\_\_ sx class "C" w/6 lbs/sk salt, 15.0 ppg, 1.35 ft<sup>3</sup>/sk.

Equipment:

- Float Shoe (1)
- EZ-Lok Clamp (1)
- Float Collar (1)
- S-3 Centralizer (as req'd thru prospective pay intervals).
- Howco Weld-A-Kit (1)

Threadlock float shoe & float collar. Install centralizer on middle of shoe jt and on every other collar thru the prospective pay intervals.

# DRILLING PROCEDURE TP-105-B

DISTRICT/AREA

DATE

10-2-74

WELL NO.

Midland/West

LEASE NAME AND WELL NUMBER

Elliott B-12 No. 2

FIELD

Wantz Granite Wash

LOCATION

660' FN & 750' FWL, Sec. 12, T-22-S, R-37-E

COUNTY/PARISH

Lea County

STATE

New Mexico

INSTRUCTIONS: List on drilling report each lost circulation zone and amount of mud lost. List on Company reports all mud, cement, lost circulation material and oil used in drilling mud each tour. Strap drill pipe on first trip under surface and before logging, testing, or coring. Tool pusher will be responsible to obtain and to check all tallies on tubular goods received at well, as well as check accuracy on delivery tickets of other material delivered to well.

SUPERINTENDENT'S SIGNATURE

ENGR. APPROVAL

GEOLOGICAL APPROVAL

CASING PROGRAM	STRING	SIZE	LENGTH OF SECTION	WEIGHT	GRADE	THREAD	HOLE SIZE	ALLOWED CEMENT TIME-HRS
	Surface	9-5/8"	1250'	32.3#	H40	STC 8RD	12-1/4"	24 hr
	Production	7"	5500'	23#	K55	STC 8RD	8-3/4"	--
		7"	1950'	26#	K55	STC 8RD		
	All csg to be rge 3. Sand blast prod csg across prospective pay intervals.							

CEMENT PROGRAM	Attached							

MUD PROGRAM	DEPTH	TYPE	MUD WEIGHT	VISCOSITY	Ph	WATER LOSS
	0 - 1250'	Fresh water spud mud	--	--	--	--
	1250' - 5000'	Brine wtr w/oil as necessary to drill through San Andres	9.8+	--	11	--
	5000' - TD	Brine wtr, salt gel, starch, and oil as required.	9.8-10.0	34-40	11	8-10

DEVIATION FROM VERTICAL	NOT TO EXCEED 3 DEGREES PER 1000 FT	NOT TO EXCEED 6 DEGREES AT ANY DEPTH
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EXPECTED FORMATION TOPS	DESCRIPTION*	DEPTH	SUB SEA	LOGGING, CORING & TESTING PROGRAM
	Rustler (anhydrite)	1140	+2220	GR-SNP-Caliper from TD to base of
	San Andres	3950	- 590	surface csg. GR to surface. GR-
	Blinberry	5435	-2075	Density from TD to 5000'. GR-Dual
	Drinkard	6240	-2880	Laterlog from TD to base of surface
	Granite Wash	7070	-3710	casing.
	Granite	7210	-3850	

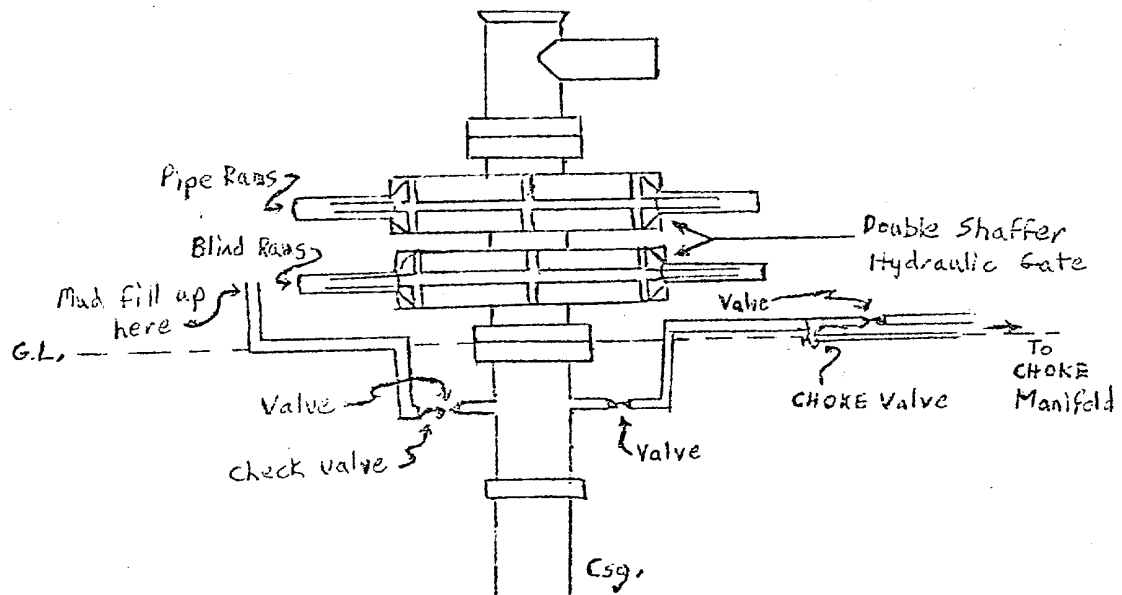
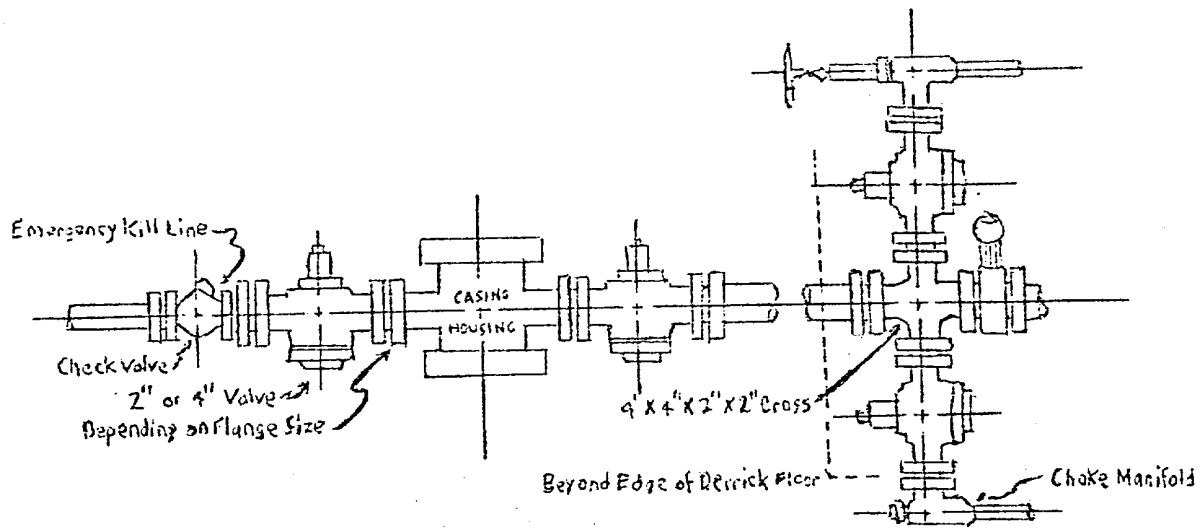
TOTAL CONTRACT DEPTH	7450'	MUD SUPPLIER	MECHANICAL RATE OF PENETRATION	YES NO
			DEVICE REQUIRED	X

SAMPLE PROCEDURE	EQUIPMENT OR SERVICES MAY BE INSTALLED AT FOLLOWING:	
	EQUIPMENT	DEPTH
	Communications Geolograph BOP	Surface Surface 1250'

UNUSUAL PROBLEMS AND/OR REMARKS			

PERSONNEL	NAME & TITLE	CITY	OFFICE PHONE	RESIDENCE PHONE NUMBER
	R. E. Kenney - Drilling Foreman	Midland, Tx.	915/684-5584	806/592-2214
	B. J. Knight - Drilling Coordinator	Midland, Tx.	915/684-5584	915/684-6263
	Tom Frizzell - Geologist	Midland, Tx.	915/684-5584	915/694-7944
	M. L. Schroeder - Engineer	Midland, Tx.	915-684-5584	915-684-9069

\* TYPE POSSIBLE PRODUCTIVE HORIZONS IN CAPITAL LETTERS; OTHER HORIZONS IN LOWER CASE.



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-125  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

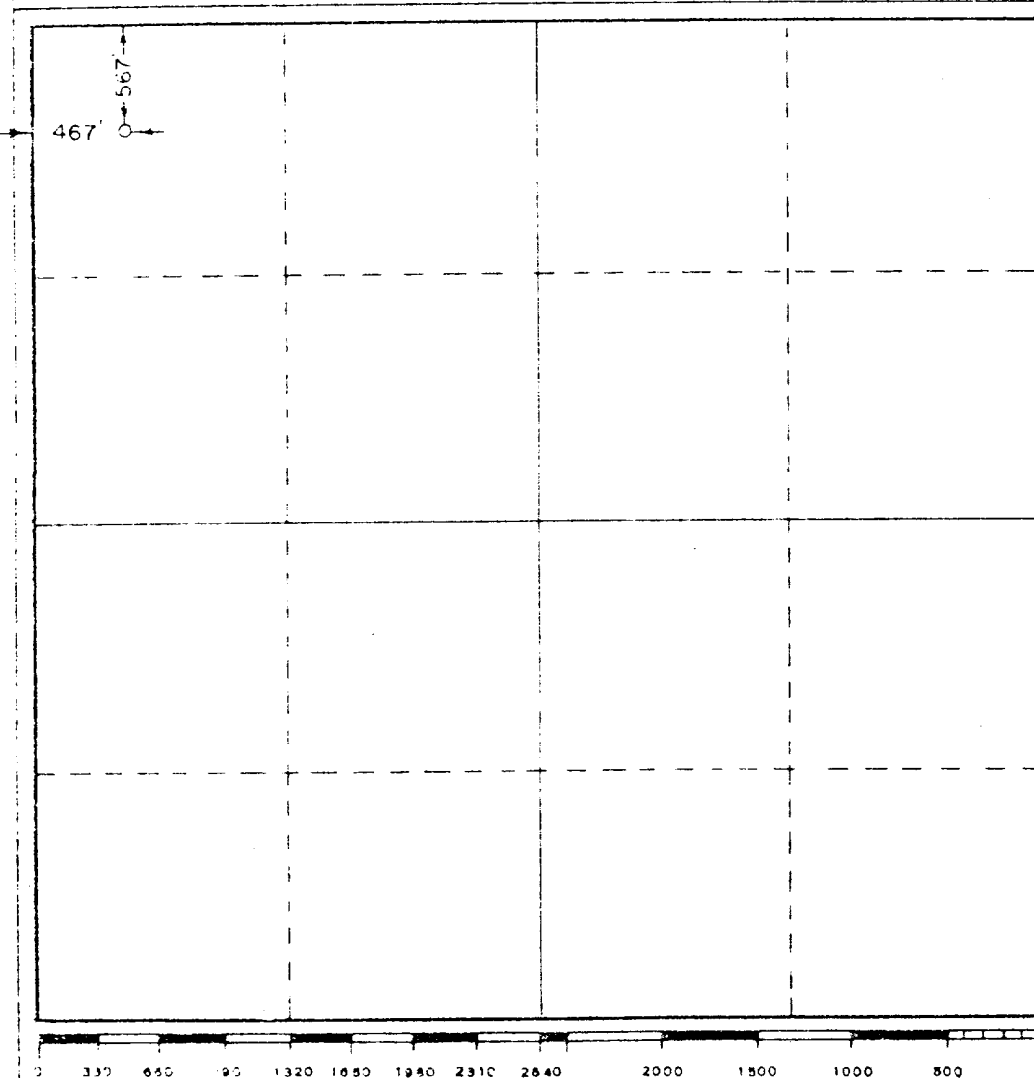
Operator <b>Texas Pacific Oil Company</b>			Lease <b>Elliot XX B-12</b>		Well No. <b>2</b>
Section <b>D</b>	Section <b>12</b>	Township <b>22 South</b>	Range <b>37 East</b>	County <b>Lea</b>	
Approximate location of well: <b>567</b> feet from the <b>North</b> line and <b>467</b> feet from the <b>West</b> line					
Acres <b>3350</b>	Producing Formation <b>Drinkard &amp; Granite Wash</b>		Pool <b>Drinkard-Wantz</b>		Dedicated Acreage: <b>40</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.



CERTIFICATION

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

*B. J. Knight*

Name  
**B. J. Knight**  
Position  
**Drilling Coordinator**  
Company  
**Texas Pacific Oil Co., Inc.**

Date  
**July 29, 1975**

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 Survey  
**July 24, 1975**  
Registered Professional Engineer and/or Surveyor  
**John W. West**  
Certificate No. **876**  
**NEW MEXICO**  
**JOHN W. WEST**

DEVELOPMENT PLAN FOR SURFACE USE

Texas Pacific Oil Company, Inc.  
Elliott B-12 Well No. 2  
567' FNL & 467' FWL  
Sec. 12, T-22-S, R-37-E  
Eddy County, New Mexico

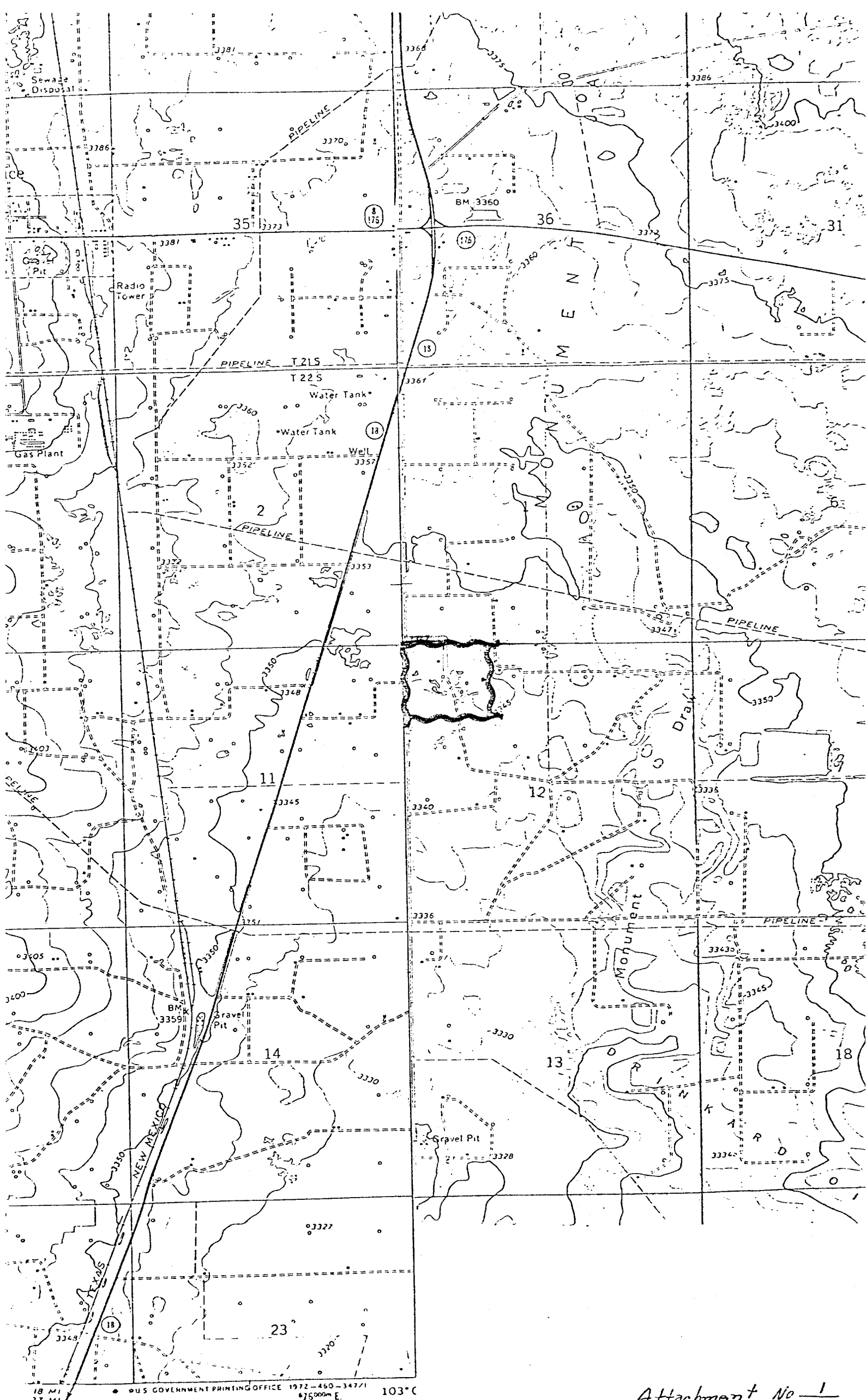
RECEIVED  
MAY 1964  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

- 1) Existing roads including location of the exit from main highway.  
See Attachment No. 1
- 2) Planned access roads: New Road 1320' long by 12' wide will be built.  
See Attachment No. 1
- 3) Location of existing wells.  
See Attachment No. 2
- 4) Lateral roads to well locations.  
See Attachment No. 1
- 5) Location of tank batteries and flow lines: Will submit plan  
when production established.
- 6) Location and type of water supply: Drilling operations will  
utilize fresh water spud mud from surface to 1250'. Brine water  
with additives from 1250' to total depth of 7450'. All water will  
be purchased from local commercial suppliers, and will be stored  
at the drill site during drilling operations.
- 7) Methods for handling waste disposal: Drill cuttings and associated  
drilling fluids will be collected in a plastic lined dirt pit.  
After drilling is completed, liquids will be allowed to evaporate  
and the pits will be levelled. Unused drilling fluids or brine  
water will be hauled away. Trash, garbage, etc., collected during  
drilling operations will be buried.
- 8) Location of camps.  
N/A
- 9) Locations of airstrips.  
N/A
- 10) Location of layout to include position of the rig, mud tanks,  
reserve pits, burn pits, pipe racks, etc.  
See Attachment No. 3

DEVELOPMENT PLAN FOR SURFACE USE

Page 2

- 11) Plans for restoration of surface: Upon completion of drilling operations, the drill site surface will be levelled using a bulldozer. No other action will be taken. Damages has been settled with surface owner.
- 12) Any other information that may be used in evaluating the impact on environment: The area around the proposed drill site is deep, sandy rangeland. Vegetation consists primarily of mesquite bushes, oak shrubs. There is no nearby streambeds, water-courses, lakes, or ponds. There is no cropland in the immediate vicinity.
- 13) Company Field Representative; Office Phone 915/684-5584
  - a) Sheldon Ward Drilling Foreman Home: 682-7180
  - b) B. J. Knight Drilling Coordinator Home: 684-6263
  - c) Tom Frizzell Geologist Home: 694-7944





R.36 E.

R.37 E.

R.38 E.

Hobbs 108

To Monument

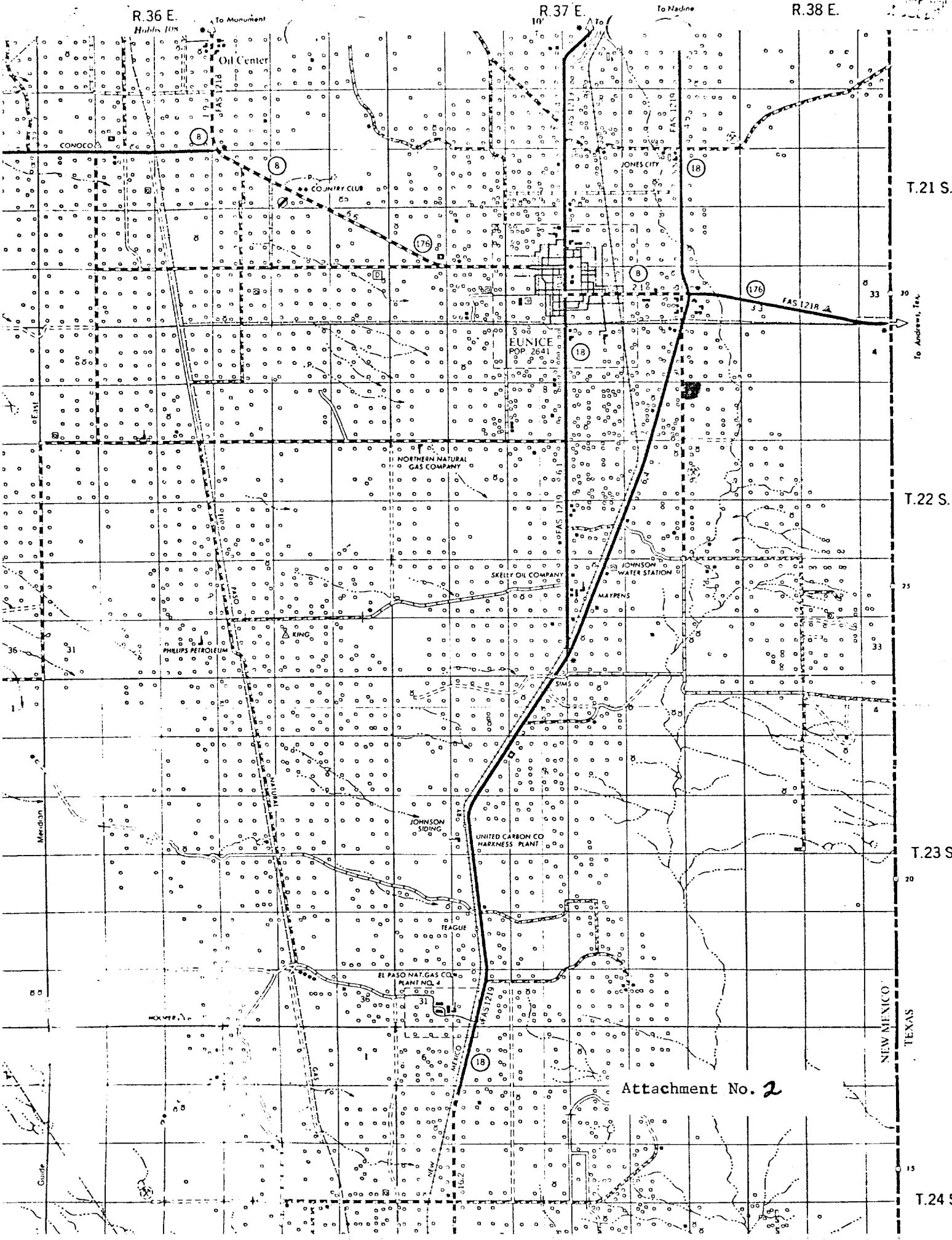
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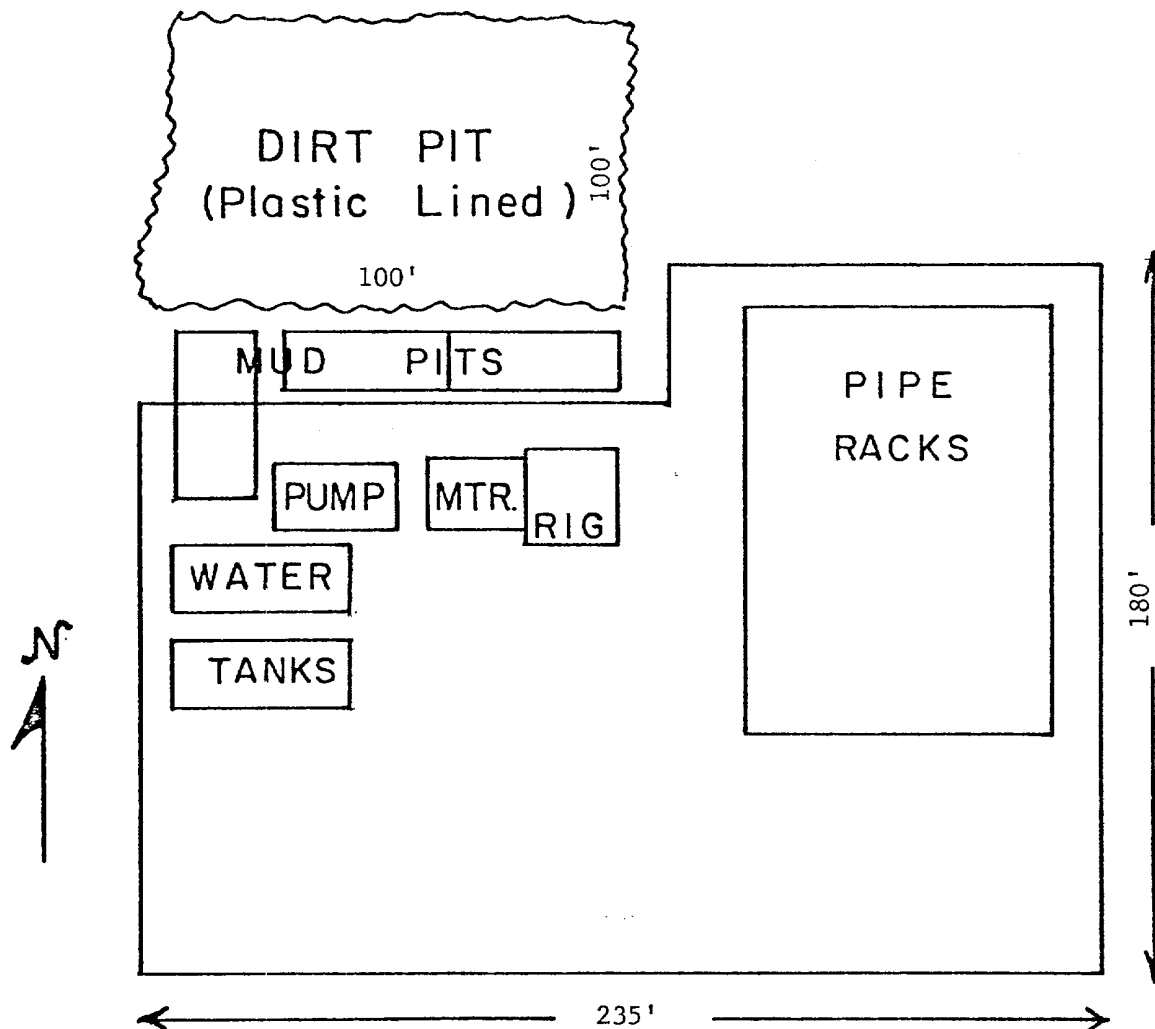
T.21 S.

T.22 S.

T.23 S.

T.24 S.





TOPOGRAPHY: Sandy rangeland. No nearby watercourse, streambed, or crops.

TEXAS PACIFIC OIL CO., INC.  
 Elliott B-12 No. 2  
 T-22-S, R-37-E  
 Lea County, New Mexico  
 567' FNL & 467' FWL, Sec. 12