

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
LC-055546

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wells

9. WELL NO.
12

10. FIELD AND POOL, OR WILDCAT
Langlie Mattix

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec.4, T-25-S, R-37-E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

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
Texas Pacific Oil Company, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 4067, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
Unit K, 2130' FSL & 1830' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 miles NE Jal, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 510'

16. NO. OF ACRES IN LEASE
480+

17. NO. OF ACRES ASSIGNED
TO THIS WELL. 40

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

19. PROPOSED DEPTH
3750

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3202 GR

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	375'	250 sxs class "C" "circulate"
7-7/8"	5-1/2"	14#	3750'	400 sxs class "C"

To drill & complete a Langlie Mattix oil well.

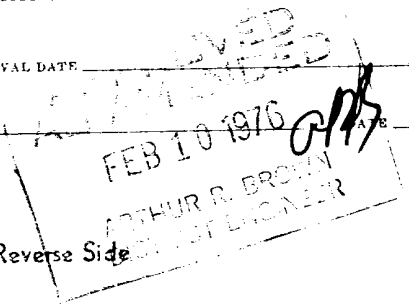
- See Attachments.
Development Plan for Surface Use.
Drilling Procedure.
Casing & Cementing Program.
Mud & Logging Program.

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

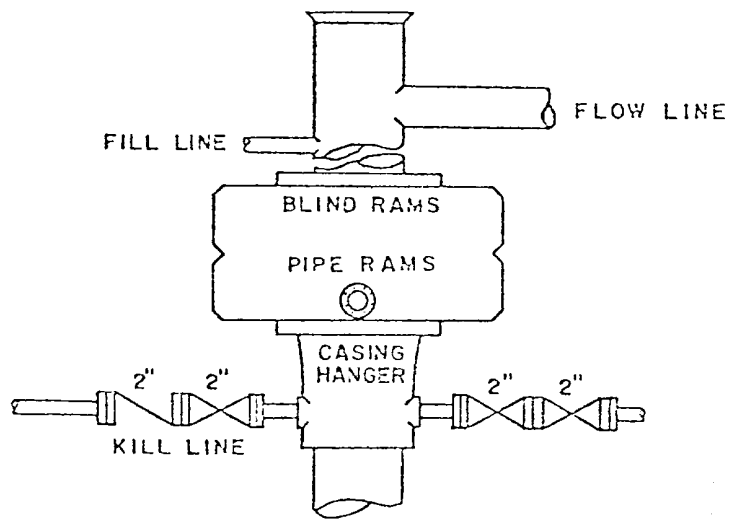
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED B. J. Wright TITLE Drilling Coordinator DATE 1/15/76
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side



TEXAS PACIFIC OIL COMPANY

DRILLING PROCEDURE TP-195-B

DATE October 10, 1975

DISTRICT/AREA Midland/West

WELL NO. 71104

LEASE NAME AND WELL NUMBER Wells No. 12

FIELD Langlie Mattix

LOCATION NE/4 of SW/4 of Sec. 4, T-25-S, R-37-E

COUNTY/PARISH Lea County STATE New Mexico

INSTALLATIONS: List on drilling report each lost circulation zone and amount of mud lost. List on Company reports all mud, chemicals, lost circulation material and oil used in drilling mud each run. Strip 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 [Signature] ENGR. APPROVAL [Signature] GEOL. APPROVAL

CASING PROGRAM	STRING	SIZE	LENGTH OF SECTION	WEIGHT	GRADE	THREAD	HOLE SIZE	ALLOWED CEMENT TIME-HRS
	Surface		8-5/8"	375'	24#	K55	STC 8RD	12-1/4"
Production		5-1/2"	3750'	14#	K55	STC 8RD	7-7/8"	--
All csg. to be RGE 3. Sandblast bottom 1000' of 5-1/2" csg.								

CEMENT PROGRAM
Surf. Csg. - 250 sx class "C" w/2% CaCl₂, 14.8 ppg, 1.32 ft³/sk. Cat must circ.
Prod. Csg. - 400 sx class "C" w/6 lbs/sk salt, 15.0 ppg, 1.35 ft³/sk. Displace plug w/FW.

MUD PROGRAM	DEPTH	TYPE	MUD WEIGHT	VISCOSITY	PH	WATER LOSS
	0 - 375'		FW spud mud	8.4+	--	--
375' - 2500'		Brine water	10.0+	--	--	--
2500' - TD		Add salt gel, starch & oil as req'd.	10.0+	32-38	11	8-10

DEVIATION FROM VERTICAL NOT TO EXCEED 3 DEGREES PER 1000 FT NOT TO EXCEED 5 DEGREES AT TOTAL DEPTH any'

EXPECTED FORMATION TOPS	DESCRIPTION*	DEPTH	SUB SEA	LOGGING, CORING & TESTING PROGRAM
	Rustler		1120'	+2090
Tansil		2670'	+ 540	GR Surface - TD
Yates		2980'	+ 230	DLL 2500' - TD
Seven Rivers		3200'	+ 10	
Queen		3500'	- 290	

TOTAL CONTRACT DEPTH 3750 MUD SUPPLIER MECHANICAL RATE OF PENETRATION YES NO DEVICE REQUIRED X

SAMPLE PROCEDURE 10' drilling time and 10' samples from 2900'-TD.

EQUIPMENT OR SERVICES MAY BE INSTALLED AT FOLLOWING:	
EQUIPMENT	DEPTH
Communications	Surface
Geograph	Surface
BOP	375'

UNUSUAL PROBLEMS AND/OR REMARKS

PERSONNEL	NAME & TITLE	CITY	OFFICE PHONE	RESIDENCE PHONE NUMBER
		Sheldon Ward - Drilling Foreman	Midland, Tx.	684-5584
	Buddy Knight - Drilling Engineer	Midland, Tx.	684-5584	684-6263
	Tom Frizzell - Development Engineering Geologist	Midland, Tx.	684-5584	694-7944
	Mal Schroeder - Petroleum Engineer	Midland, Tx.	684-5584	684-9069

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAN

Form O-102
Supersedes O-128
Effective 12-85

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

Texas Pacific Oil Co., Inc.		Lease		Wells		Acres	
						12	
K	4	25 South	37 East	Lea			
230	South	1830	West				
3202.2	Queen	Langlie Mattix	40				

The acreage dedicated to the subject well by colored pencil or marker marks on the plat below.

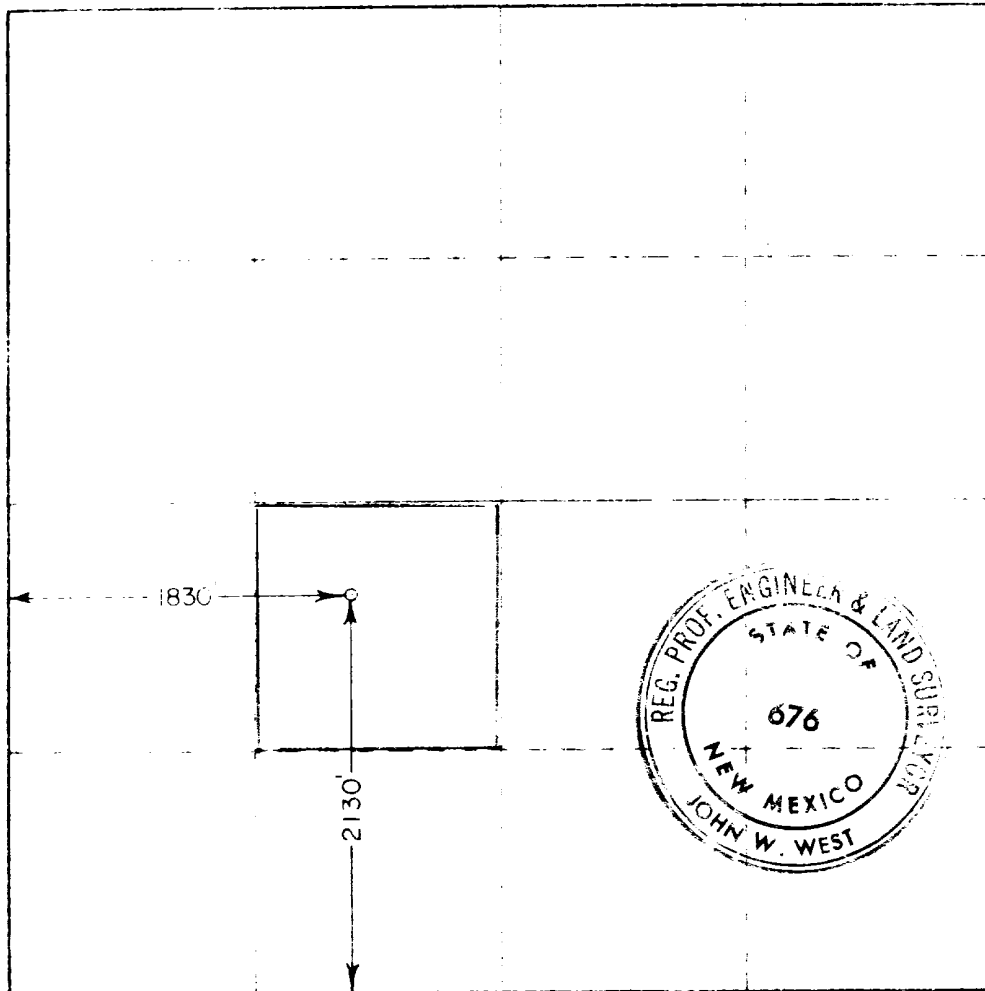
If the lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

If separate lease of different ownership is dedicated to the well, have the interests of the owners been consolidated by communitization, unitization, force-pooling, etc?

If answer is "yes," type of consolidation _____

Indicate on this plat the owners and tract descriptions which have actually been consolidated. Use reverse side of this form if necessary.

Indicate on this plat the interests which have been assigned to the well until all interests have been consolidated by communitization, unitization, force-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

B. J. Knight

Drilling Coordinator

Texas Pacific Oil Co., Inc.

January 20, 1976

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.

I do not approve

January 7, 1976

Registered Professional Engineer
No. 11,000 License No.

John W. West

676

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned hereby acknowledges receipt from TEXAS PACIFIC OIL COMPANY, INC. of the sum of \$ 361.00 which is in full payment, settlement, and satisfaction of all detriments, injuries, and damages of whatsoever nature and character growing out of, incident to, or in connection with loss or damages resulting from the drilling, equipping, and construction of all necessary facilities including location site for well and tank battery, roadways, pits, tanks, oil and gas water lines, dog houses, and other necessary installations required for the production and marketing of oil or gas from:

Wells No. 12 located 1830' FWL, 2130' FSL, Sec. 4, T-25-S, R-37-E, Lea County, New Mexico.

Drilling Pad -----\$250.00
Rebuilding existing road (1830' @ \$1.00/rod) ----- 111.00
TOTAL -----\$361.00

EXCEPTION: Damages from installation of flowlines and electrical lines will be settled upon well completion.

drilled or to be drilled on TEXAS PACIFIC OIL COMPANY, INC.'s lease, Wells AFE No. 71104 on or about Feb-March-April, 19 76

That the undersigned does hereby release, acquit, and discharge said TEXAS PACIFIC OIL COMPANY, INC. from any and all claims for detriment, injuries, and damages of whatsoever nature or character occurring by reason of the above described event.

DATED THIS 14th DAY OF Jan, 19 76

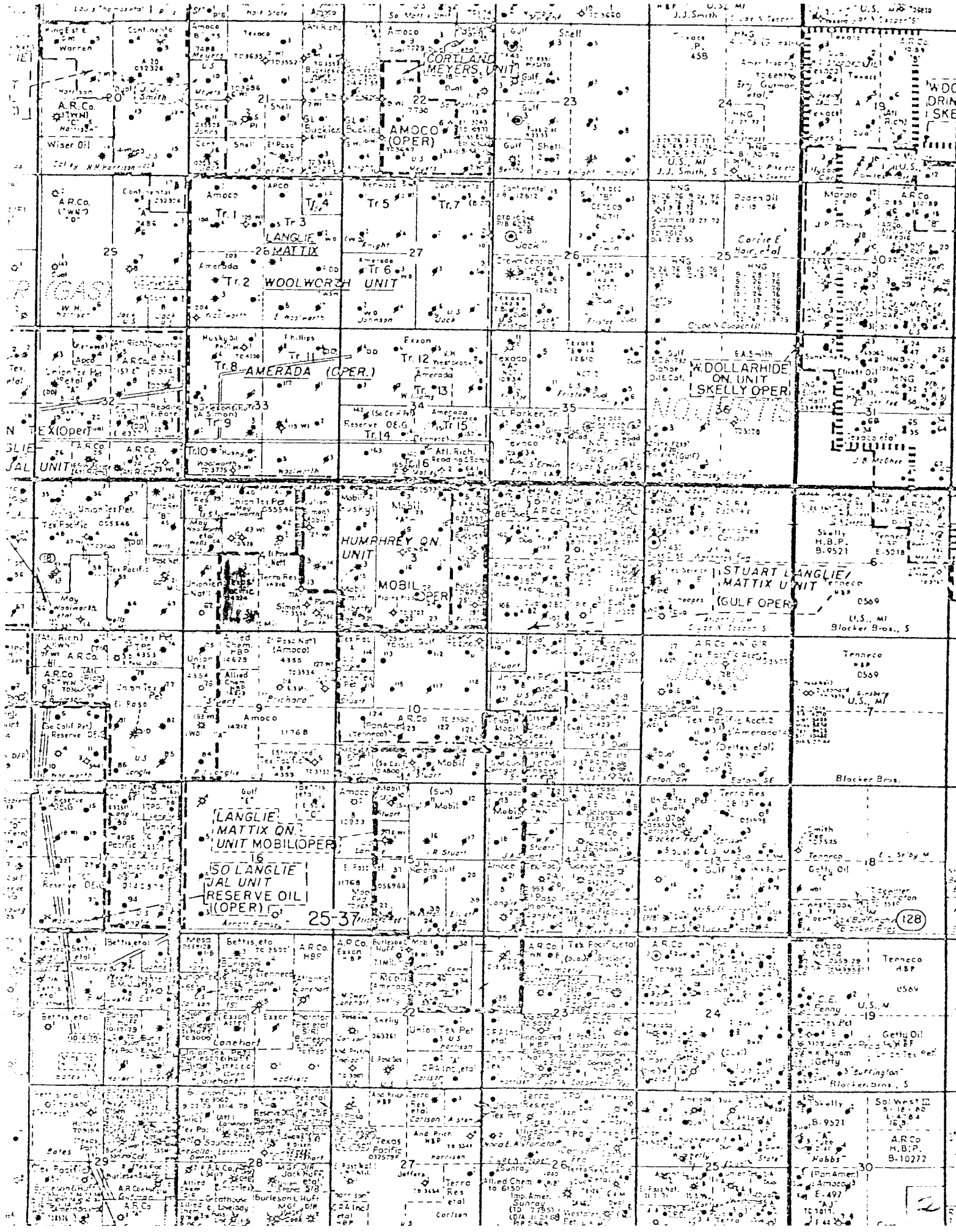
Carl Martin (Signature)

WITNESSES: SIGNATURE Sparks (Signature) SIGNATURE Reavis (Signature) Mark W. Sparks (Signature) Duille Reavis (Signature)

DEVELOPMENT PLAN FOR SURFACE USE

Texas Pacific Oil Company, Inc.
Wells Well #12
2130' FSL & 1830' FWL
Sec. 4, T-25-S, R-37-E
Eddy County, New Mexico

- 1) Existing roads including location of the exit from main highway.
See Attachment No. 1
- 2) Planned access roads: Will use existing roads.
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: Tank battery to be located on drilling pad south of well approximately 125'.
- 6) Location and type of water supply: Drilling operations will utilize fresh water spud mud from surface to 375'. Brine water with additives from 375' to a depth of 2500'. 2500' to TD will add salt gel, starch and oil as required. All water will be purchased from local commercial suppliers, and will be stored at the drill site during drilling operations.
See Attachment No. 3
- 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 in a separate pit and covered with 24" of top soil.
- 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



CORTLAND MEYERS UNIT
AMOCO (OPERO)

LANGLIE MATIX UNIT
WOLWORTH UNIT

AMERADA (OPERO)

HUMPHREY ON UNIT
MOBIL (OPERO)

STUART LANGLIE MATIX UNIT
(GULF OPER)

LANGLIE MATIX ON UNIT MOBIL (OPERO)
SO LANGLIE JAL UNIT RESERVE OIL (OPERO)

128

WDO DRINKI SKE

Blocker Bros. S

Blocker Bros.

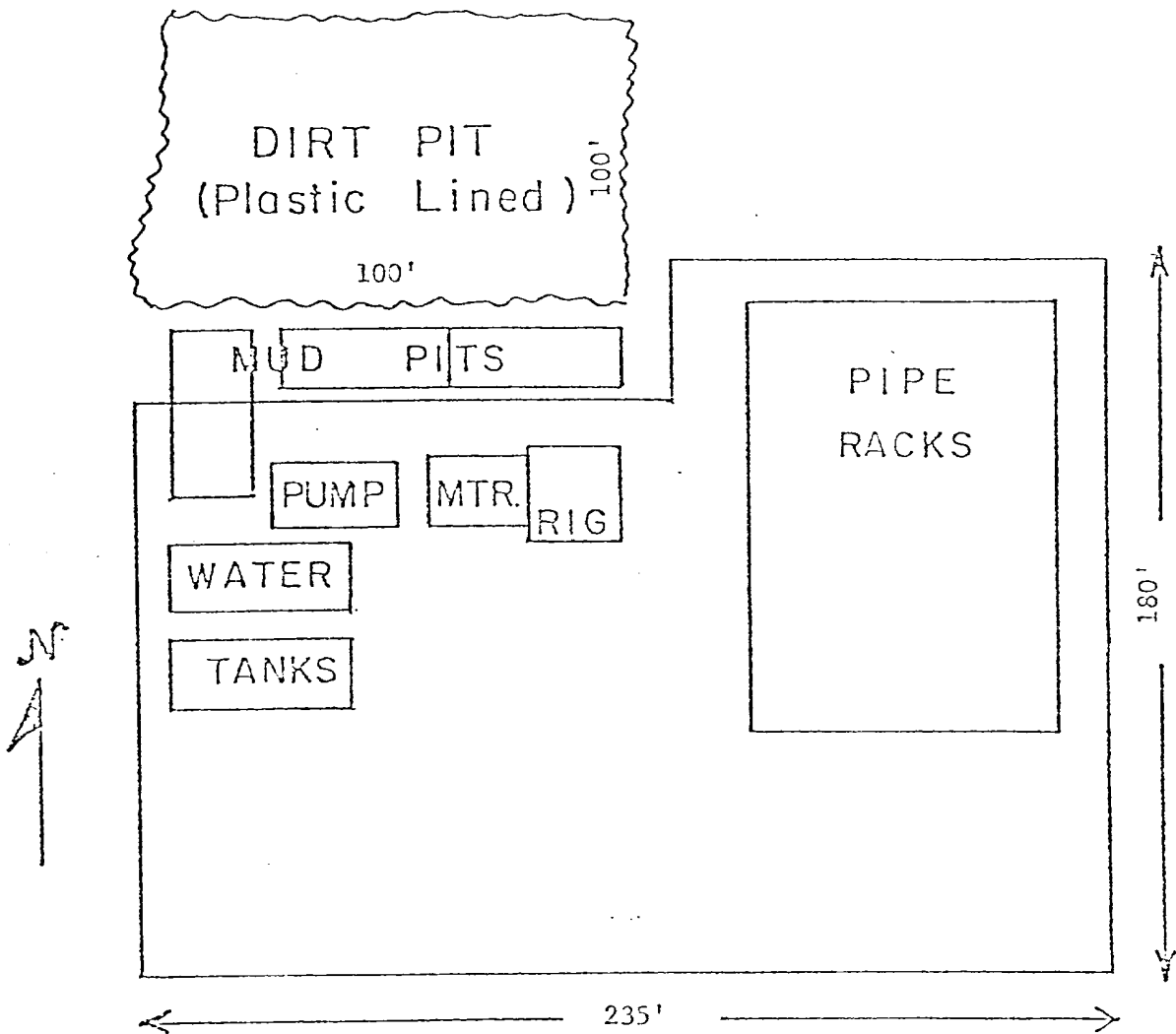
Tenneco HBP 456V

Getty Oil

So West ID

ARCO H.B.P. B-10272

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

TEXAS PACIFIC OIL CO., INC.
 Wells Well #12
 2130' FSL & 1830' FWL
 Sec. 4, T-25-S, R-37-E
 Eddy County, New Mexico