

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
CONTINENTAL OIL COMPANY

3. ADDRESS OF OPERATOR
Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
2180' FNL & 660' FEL OF SEC. 35

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
7450'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3369' GR. (EST.)

22. APPROX. DATE WORK WILL START*
10-1-74

5. LEASE DESIGNATION AND SERIAL NO.
K032096 B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
LOCKHART B-35

9. WELL NO.
5

10. FIELD AND POOL, OR WILDCAT
WANTZ ABO

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 35, T-215, R-37E

12. COUNTY OR PARISH
LEA

13. STATE
N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H-40	48#	400'	375 sks. Circ.
12 1/4"	8 5/8" H-40	28#	2600'	350 sks.
7 7/8"	5 1/2" K-55	15.5# & 14#	7450'	400 sks.

It is proposed to drill a straight hole to a TD of 7450' and complete as a Wantz Abo oil well.

Mud Program: 0'-400' 8.5-9.0# Spud Mud; 400'-2600' 9.0-10.0# Salt Water. Drill out w/ fresh wtr. which will become salty below 1500'. Add suff. gel to carry cuttings; 2600'-7450' 8.5-9.0# Fresh Wtr. Gel. Maintain visc. 34-38cc w/gel. Reduce wtr. loss to 12-15cc below 6800' w/starch.

See Attached for Blowout Preventer Program.

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.

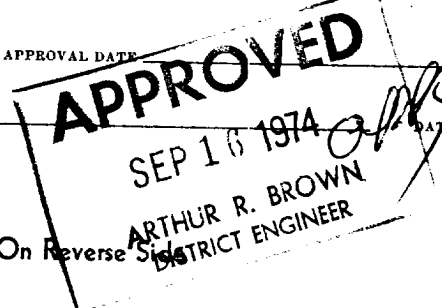
24. SIGNED [Signature] TITLE SR. ANALYST DATE 9-6-74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____



S-8, NMFD-4, File

*See Instructions On Reverse Side

RECEIVED

SEP 17 1974

OIL CONSERVATION COMM.
HOEBS, N. M.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-101
Supersedes O-101-
Effective 1-1-65

All distances must be from the outer boundaries of the Section

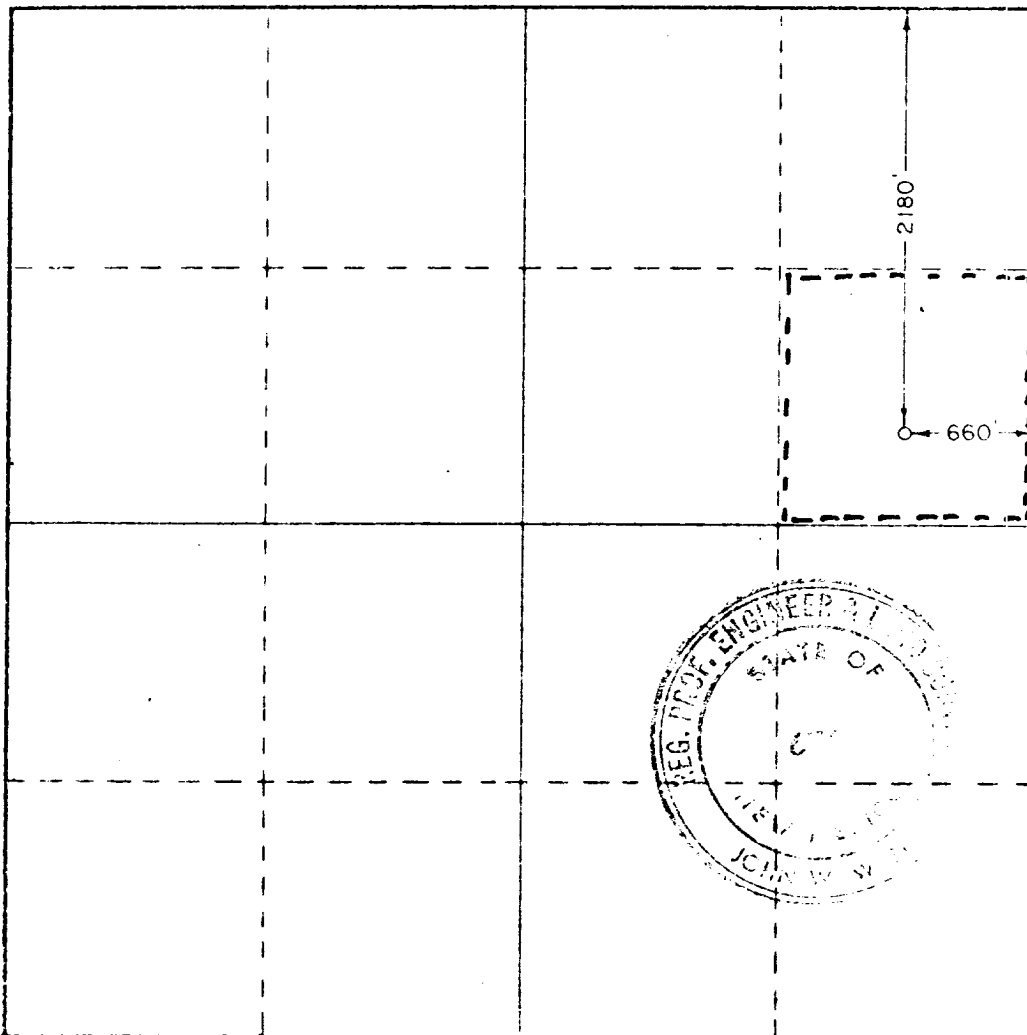
Lessee CONTINENTAL OIL COMPANY			Lease LOCKHART B-35		Well No. 5
Section H	Section 35	Township 21 SOUTH	Range 37 EAST	County LEA	
Actual Well Location of Well:					
2180 feet from the NORTH line and		660 feet from the EAST line			
Ground Level Elev. 3369.0'	Producing Formation Abc	Pool WANTZ Abc	Dedicated Acreage 40		

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.

John W. West
SR. ANALYST
CONTINENTAL OIL CO.
9-6-74

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 Surveyed

AUGUST 21, 1974

Registered Professional Engineer
and/or Land Surveyor

John W. West
Plate No. **676**

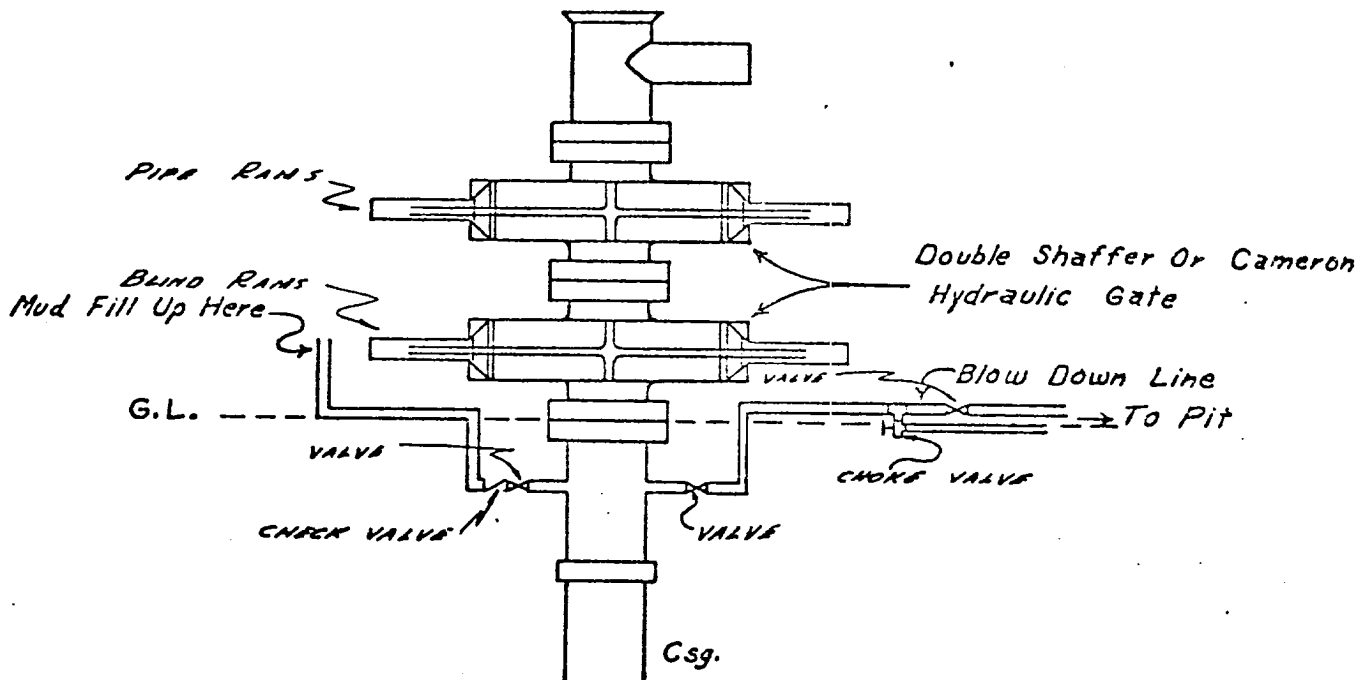
RECEIVED

SEP 17 1974

OIL CONSERVATION COMM.
HOBBS, N. M.

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications

LOCKHART B-35 No. 5



NOTE:

Manual and hydraulic controls with closing unit no less than 75' from well head.

Development Plan For Surface Use

1. Existing roads including location of the exit from the main highway

See Attached Map

2. Planned access roads

See Below and Attached Map

(a) Length and width of new road (b) ~~Roads will be compacted or surfaced.~~

- No New Roads*
3. Location of existing wells

See Attached Map

4. Lateral roads to well location

See Attached Map

5. Location of tank batteries and flowlines

See Attached Map

6. Location and type of water supply

(X) Water will be hauled to location () See attached map for location of proposed water lines

7. Methods for handling waste disposal

All litter and scrap material will be disposed of by burying in a trash pit with a minimum cover of 24 inches of dirt.

8. and 9. Location of camps and airstrips

There are no camps or airstrips contemplated to serve this lease.

10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc.

See Below and Attached plat

(a) Size of drilling pad (b) Drilling pad ☒ compacted ~~or surfaced~~

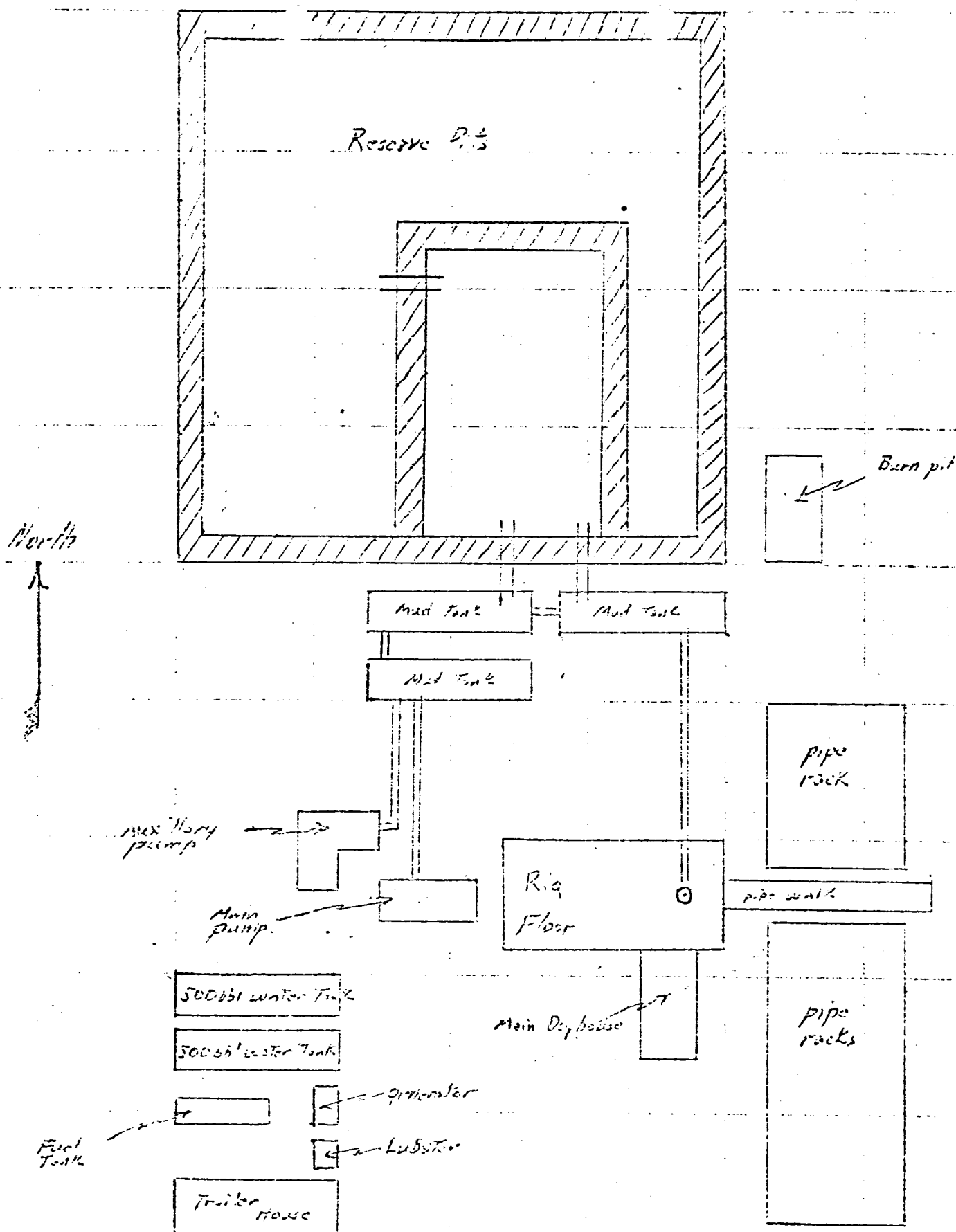
11. Plans for restoration of the surface

Surface will be levelled and properly conditioned.

12. Other information that may be used in evaluating the impact on environment

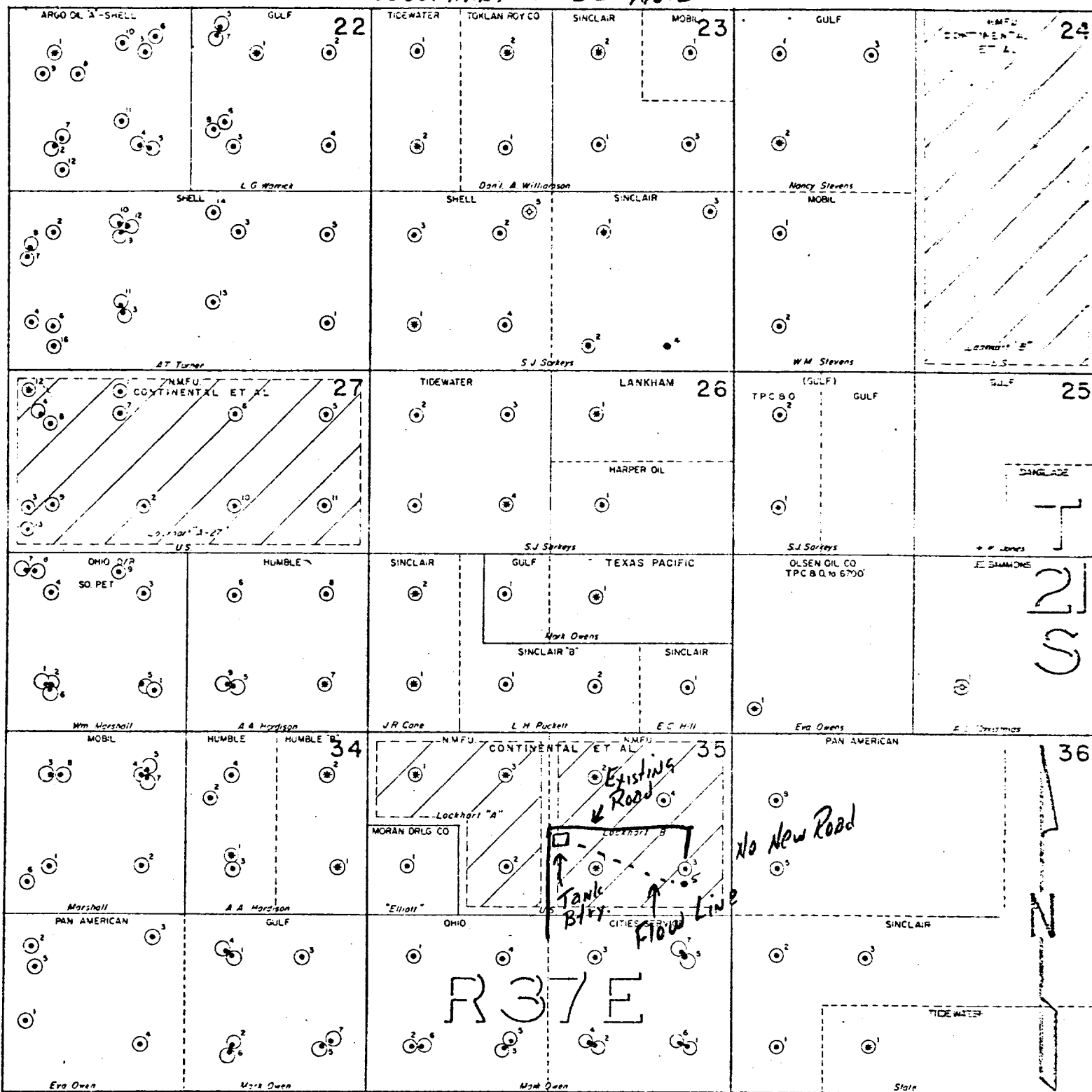
The terrain in this area is generally flat with very little vegetation. No streams or other major water sheds are located in this area.

LOCKHART B-35 NO. 5



Robinson Bros. Drilling Co.
 Rig No. 3
 Scale 1" = 25 feet.

LOCKHART B-35 No. 5



Drinkard Oil Well

Blincbry Gas Well

Tubb Gas Well

Blincbry Oil Well

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
HOBBS DIVISION
LOCKHART B-35 LEASE
LEA COUNTY, NEW MEXICO

Scale: 1" = 2000'

COUNTY	LEA	FIELD	Wantz	STATE	NM
OPR	CONTINENTAL OIL CO.			SPI	30-025-24858
NO	5	LEASE	Lockhart "B-35"	SERIAL	
	Sec 35, T-21-S, R-37-E			MAP	
	2180' FNL, 660' FEL of Sec			CO-ORD	
	1 mi E/Eunice			ELEV	
SPD	9-28-74	CMP	10-29-74	WELL CLASS:	INIT D
CSG				FIN	DO
			FORMATION	DATUM	FORMATION
			TD	7505' (GRNT)	PBD

IP (Granite Wash) Perfs 7426-66' F 184 BOPD + 1 BW. Pot based on 24 hr test thru 20/64" chk. GOR NR; Grav NR; TP 150#

CONTR	Robinson Bros.	OPR'S ELEV	3369' GL	PC	7450' RT
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F.R. 9-23-74
(Abo)

10-1-74 Drlg 2210' anhy & salt
10-8-74 Drlg 5310' 1m
10-15-74 Drlg 7285' 1m & sh
10-22-74 TD 7505'; WOCU
10-29-74 TD 7505'; Flwg Ld
Perf @ 7426', 7431', 7436', 7441', 7446',
7451', 7456', 7461', 7466' w/1 SPI
Acid (7426-66') 1800 gals
Frac (7426-66') 23,000 gals wtr + 40,000# sd

11-5-74 TD 7505'; SI
Flwd 162 BF (90% oil) in 11 hrs thru 28/64"
chk, CP 750#, TP 80# (7426-66')

11-11-74 TD 7505'; WO Electricity

IEA
CONTINENTAL OIL CO.

Wantz
5 Lockhart "B-35"
Sec 35, T21S, R37E

NM
Page #2

11-18-74 TD 7505'; TO Pmp
Ppd 155 BO + 3 BW in 8 hrs (7426-66')
12-3-74 TD 7505'; SI Storage
Ppd 97 BO + 1 BW in 24 hrs (7426-66')
12-10-74 TD 7505'; TO Pmp
Ppd 72 BO + 3 BW in 24 hrs (7426-66')
12-16-74 TD 7505'; SI
12-27-74 TD 7505'; WO Pot
2-3-75 TD 7505'; COMPLETE
LOG TOPS: Queen 3432', Penrose 3507',
San Andres 3910', Glorieta 5137',
Blinabry 5580', Tubb 6023', Drinkard
6361', Abo 6601', Granita Wash 7420'
2-8-75 COMPLETION REPORTED

COUNTY	LEA	FIELD	Wantz	STATE	NM		
OPR	CONOCO, INC.			API	30-025-24858		
NO	5	LEASE	Lockhart "B-35"	MAP			
	Sec 35, T21S, R37E			CO-ORD			
	2180 FNL, 660 FEL of Sec				7-3-67 NM		
	1 mi E/Eunice			RE SPD	9-10-77 RE MP 4-5-78		
SC	13 3/8-400-375 sx 9 5/8-2600-350 sx 5 1/2-7505-400 sx			WELL CLASS: INIT DX FIN DC LSE. CODE			
				FORMATION	DATUM	FORMATION	DATUM
				TD 7505 (GRNT)		PBD	7472

IP(Abo-Granite Wash) Perfs 6882-7466 P 7 BOPD + 53 BW. Pot based on 24 hr test. GOR 12,143; gty (NR)

CONTR	OPR SELEV 3376 GL	sub-s
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F.R.C. 7-17-82 OWWO
 PD 7472 WO (Abo-Granite Wash)
 (Orig. Continental Oil Co., cmp 1C-29-74
 thru (Granite Wash)
 Perfs 7426-66, OTD 7505)
 7-12-82 TD 7505; PBD 7472; Complete
 PB to 7385
 Perf (Abo) 6882-6957, 7046-81, 7157-7218,
 7232-90, 7308-67
 Acid (6882-7367) 2500 gals
 Frac (6882-7367) 10,000 gals
 IPP (10-16-77) 16 BOPD + 105 MCF in 24 hrs
 (6882-7367)
 DO to 7472 (3-20-78)
 Downhole commingling of Abo & Granite Wash
 7-17-82 COMPLETION ISSUED
 7-3-67 NM
 IC 30-025-70566-82