

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PERMIT NO. 10-100-10
V-100-10

LEASE REGISTRATION AND SERIAL NO.

NM 14768B

IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR L & T OIL CO.	8. FARM OR LEASE NAME Wilderspin
3. ADDRESS OF OPERATOR 2209 WEST INDUSTRIAL MIDLAND, TEXAS 79701	9. WELL NO. 4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also page 17 below.) At surface 1650' FNL & 660' FWL Sec. 11, T-21S, R-27E	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-21S, R-27E
14. API NO. API 30-015-25836	12. COUNTY OR PARISH Eddy
15. REGISTRATIONS (show whether oil, gas, etc.) RKB 3267	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF:	
TEST OR RE-TEST	PLUG OR ABANDON WELL	WATER SHUT-OFF	REPAIRING WELL
FRAC TREATMENT	RE-TEST	FRAC TREATMENT	ALTERING CASING
SHUT-IN	ABANDONMENT	SHUT-IN OR ACIDIZING	ABANDONMENT*
DEEPENING	CHANGE CLASS	OTHER	

*Note: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)
If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to well.

- 1-15-88 Rigged up completion unit, installed BOP, circulated hole w/ 2% KCL water. Perf 5447-5464 18 holes. Acidized w/ 1500 gals. 15% HCL. Swabbed load back. Fraced w/ 30000 gal. crosslinked gel and 60000# 20-40 sand. Screened out w/ 10000# sand away flowed and swabbed load back. Producing approx. 20 bbls/ oil.
- 1-19-88 Ran in hole w/ 4-3/4 bit & drill collars. Cleaned out sand to 6260' circulated hole w/ 2% KCL water. Perforated 6143-6178 w/ 22 holes, acidized w/ 1000 gals. HCL 15% Swabbed dry, no gas.
- 1-21-88 Perforated 6226-6237 w/ 10 holes. Acidized w/ 1000 gals. 15% HCL. Had communications Set retainer @ 6126. Squeezed w/ 75 sac Class H cement w/ 1% CFI. Reperforated 6226-6237 Acidized w/ 1000 gallons 15% HCL. Swabbed load, very small amt. of gas.
- 1-29-88 Waiting on pumping unit.

RECEIVED
MAR 22 11 04 AM '88
CARLSON
ARENA

I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE 3-21-88

(If a state for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SJS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

L & T OIL CO.

3. ADDRESS OF OPERATOR

2209 WEST INDUSTRIAL MIDLAND, TEXAS 79701

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

At surface

1650' FNL & 660' FWL

At proposed prod. zone

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

6 miles Northeast of Carlsbad

15. 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

320

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.

1361'

19. PROPOSED DEPTH

6300'

20. ROTARY OR CABLE TOOLS

Rotary

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

3257.2 GR

22. APPROX. DATE WORK WILL START*

11/15/87

23. 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"	54.5#	450'	600 sx (circulate)
12-1/4"	8-5/8"	24 & 32#	2600'	1100 sx (circulate)
7-7/8"	5-1/2"	17#	6300'	900 sx

Drilling, Casing, and Cementing Program : See Exhibit E
BOP Program : See Exhibit F
Mud Program : See Exhibit G
Primary Objective : Bone Spring Sand @ 5455'

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 President DATE 10-26-87

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 11-10-87

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION AND ACREAGE DEDICATION AT

Supersedes C-128
Effective 1-4-85

All distances must be from the outer boundaries of the Section

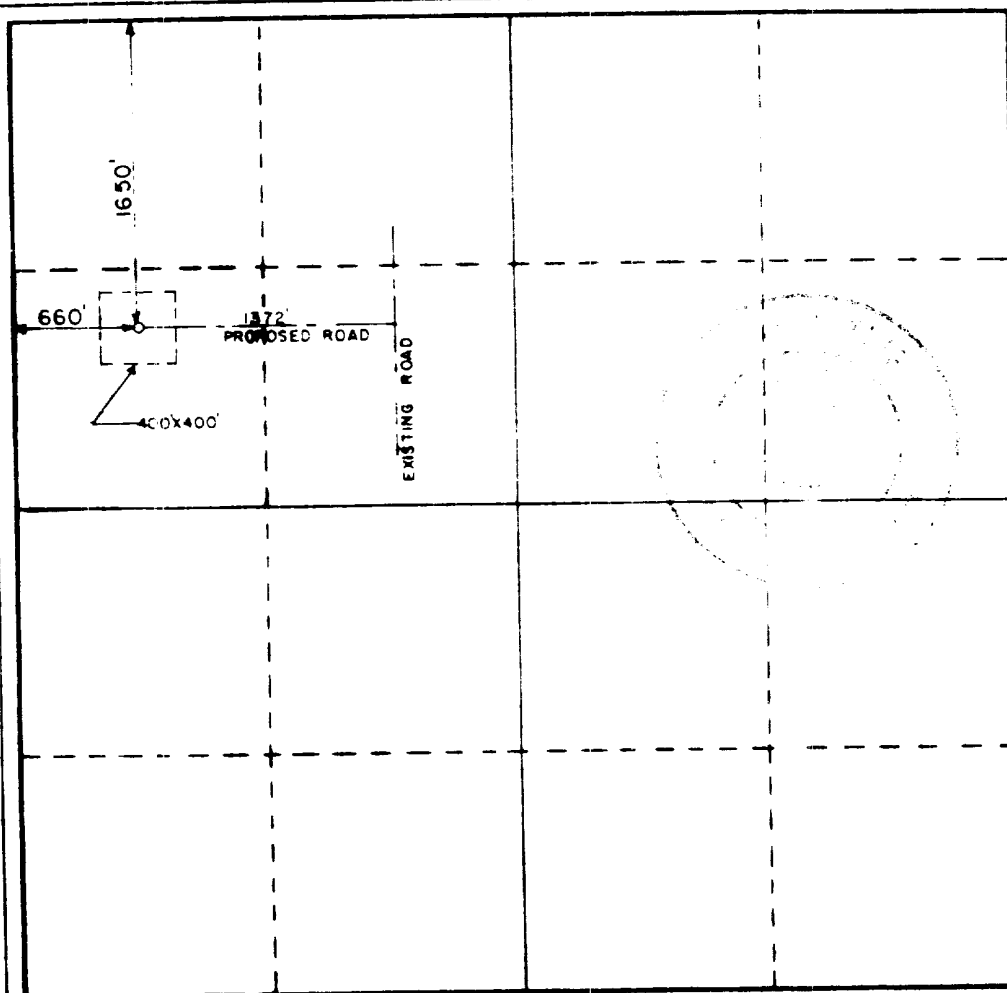
Operator L & T OIL CO.		Lease WILDERSPIN FEDERAL		Well No. 4
Unit Letter E	Section 11	Township 21 South	Range 27 East	County EDDY
Actual Footage Location of Well: 1650 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3257.2	Producing Formation Bone Springs	Pool Wildcat	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name
President

Position
L & T Oil Co.

Company
10-26-87

Date

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
10/19/87

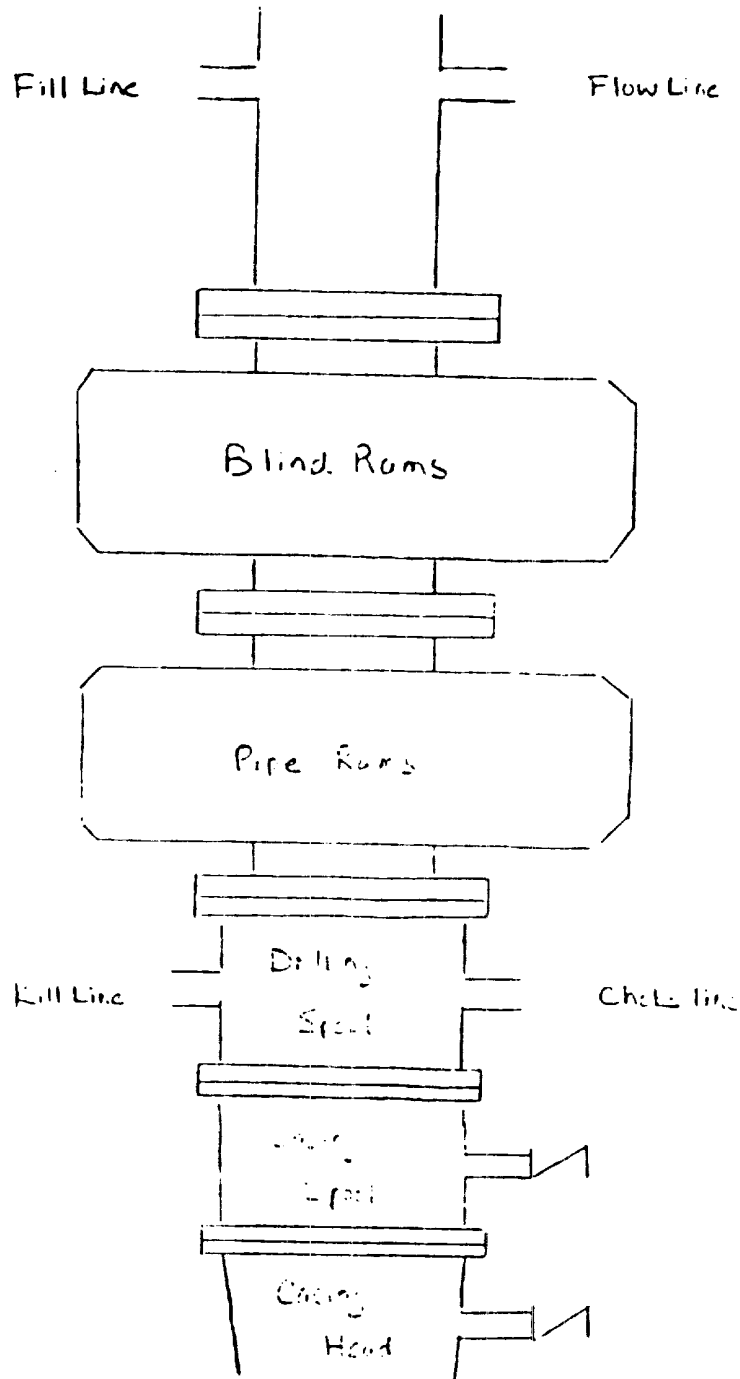
Registered Professional Engineer
and or Land Surveyor

Neal D. King
Certificate No. **5541**

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

Exhibit F - Blowout Preventer Stack

3000 psi Working Pressure



APPLICATION FOR DRILLING

L & T Oil Co.
Wilderspin #4
1650' FNL & 660' FWL
Section 11, T-21-S, R-27-E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Deepen, or Plug Back, L & T Oil Co. submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geological surface formation is Permian.
2. The estimated tops of geologic markers are as follows:

Yates	550'
Capitan	680'
Delaware	2980'
Bone Spring Carbonate	5300'
3. The estimated depths at which water, oil or gas formations are expected to be encountered:

Water:	to 400' & Capitan @ 680'
Oil & Gas:	Delaware @ 2980'
	Bone Spring Sand @ 5455'
4. Proposed Casing Program: See Form 3160-3 and Exhibit E
5. Pressure Control Equipment: See Form 3160-3 and Exhibit F
6. Mud Program: See Exhibit G
7. Auxiliary Equipment: Standard auxiliary drilling equipment
8. Testing, Logging, and Coring Programs:

No coring is anticipated
One possible DST is planned
Logging: Mud logging unit from 2600' to T.D.
Electric logging - Open hole gamma ray neutron - density
T.D. to surface
Dual induction
T.D. to 2600'
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: AS SOON AS POSSIBLE

Encl. A

CARLSBAD EAST QU
NW MEXICO-FL
7.5 MINUTE SERIES (C)

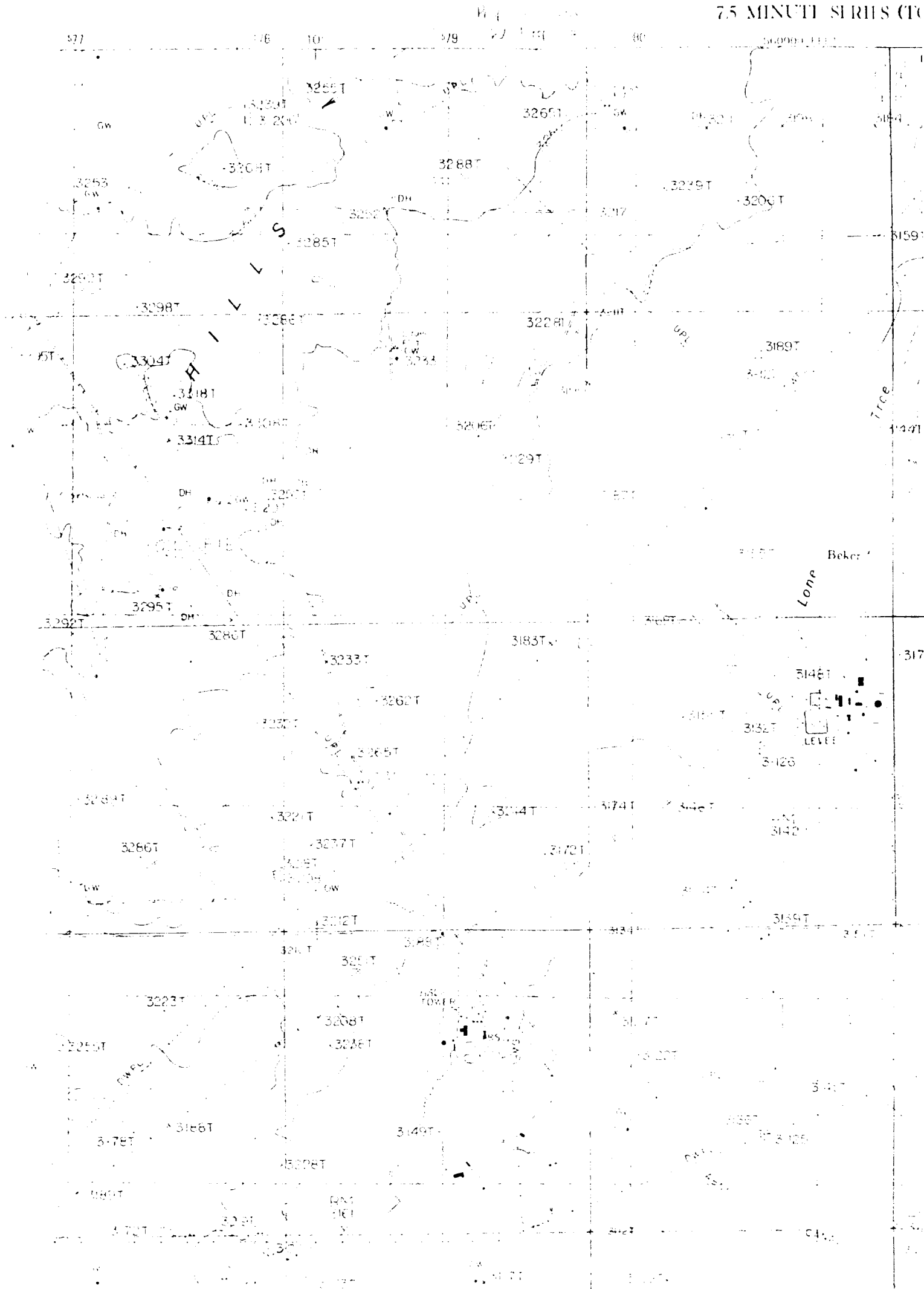


Exhibit D

