Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instruction reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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: Phillips Petroleum Company

3. ADDRESS OF OPERATOR: Room 711, Phillips Building, Odessa, Texas 79761

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FS & 1980' FW lines (Unit N)
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: NM 18508

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: —

7. UNIT AGREEMENT NAME: —

8. FARM OR LEASE NAME: Luther - A

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 18.8S, 32E

12. COUNTY OR PARISH: Chaves | 13. STATE: N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 14 miles north of Caprock, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 660' FS

16. NO. OF ACRES IN LEASE: 316.45+

17. NO. OF ACRES ASSIGNED TO THIS WELL: 316.45

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: 11,200

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4395.2' Ground

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
17½"	13-3/8"	48#	400	500 sx
11"	8-5/8"	32#	5000	975 sx, estimated TOC @2000'
7-7/8"	5½"	17 & 20#	11,200	600 sx, estimated TOC @8000'

Use mud additives as required for control.

Blowout Preventers: Series 900 to 5000 ft., and Series 1500 to TD
(Hydraulically operated) (See attached sketches - Figs. 5 and 6)

DRILLING MUST BE IN COMPLIANCE WITH THE ATTACHED "DRILLING WELL CONTROL REQUIREMENTS" DATED 6-22-73

TRASH AND JUNK SHOULD BE BURIED IN A SEPARATE TRASH PIT

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 W. J. Mueller TITLE Senior Reservoir Engineer DATE August 6, 1974

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
SEP 1974
ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
Phillips Petroleum Company	Luther "A"	1

Unit Letter	Section	Township	Range	County
N	18	8 South	32 East	Chaves

Actual Footage Location of Well:
1980 feet from the West line and 660 feet from the South line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
4395.2	Atoka	Wildcat	316.45 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

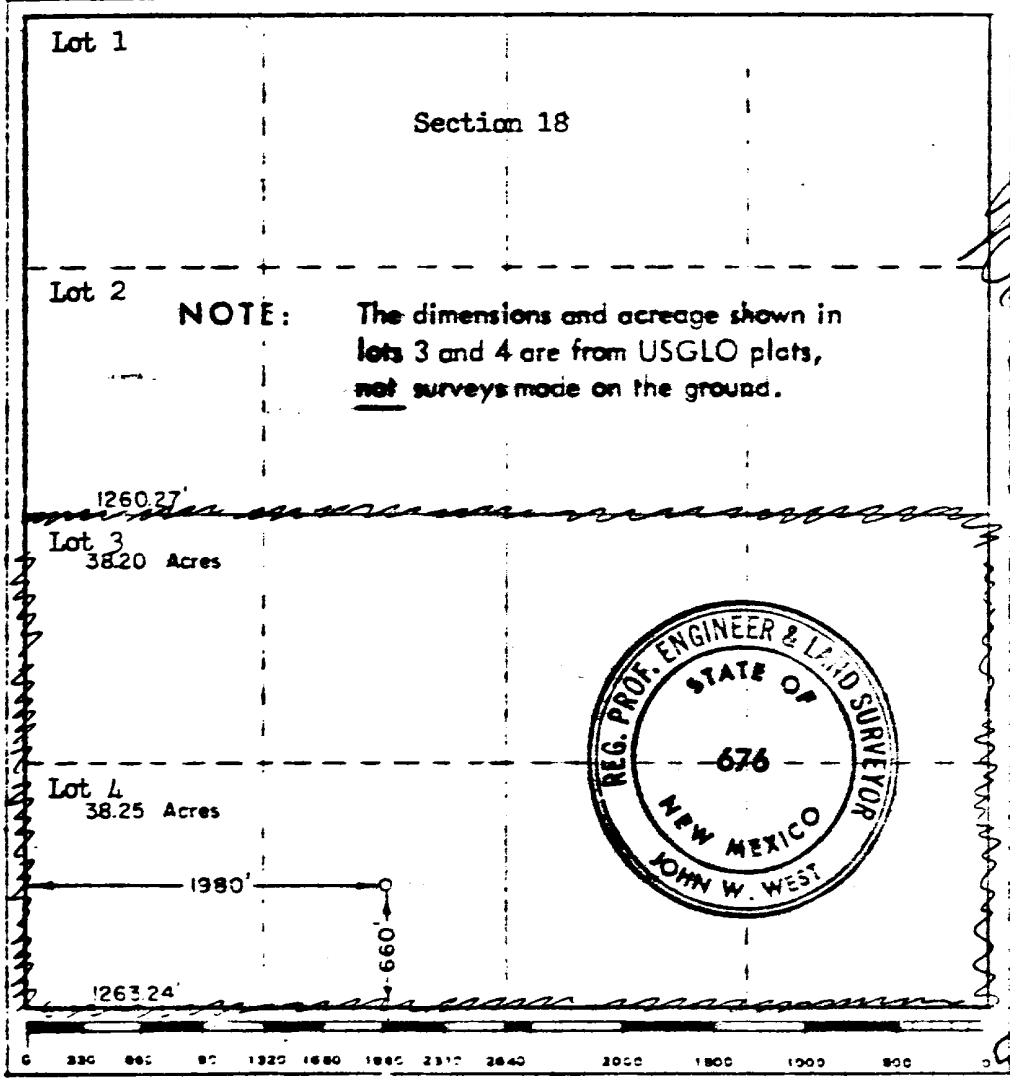
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

W. J. Mueller

Name

Sr. Reservoir Engineer

Position

Phillips Petroleum Co.

Company

5/ /74

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

July 21, 1974

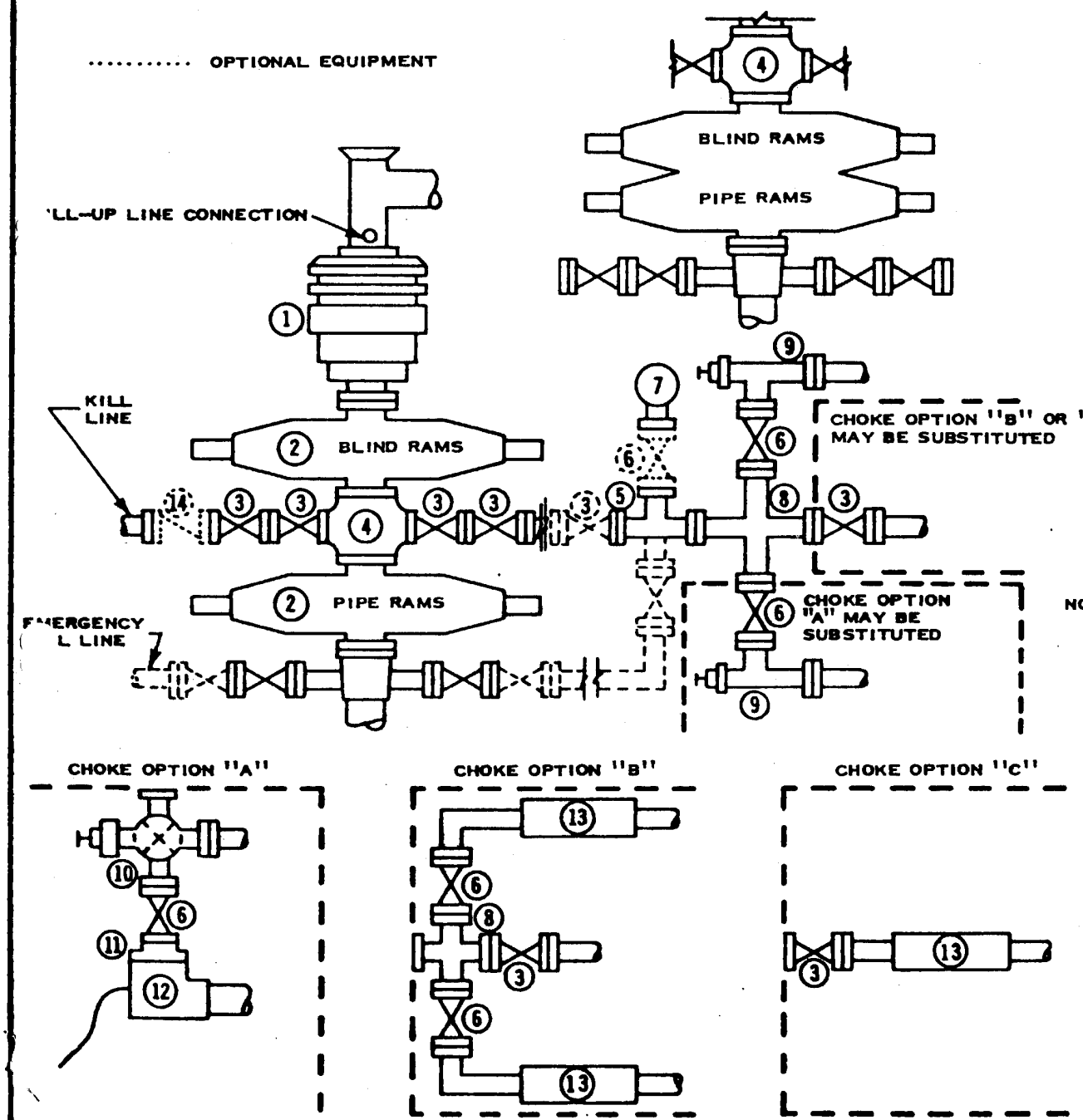
Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.

676

DOUBLE PREVENTER OPTION



1. SER. 1500 HYDRIL GK
2. SER. 1500 RAM-TYPE BOP
3. 3" SER. 1500 VALVE
4. SER. 1500 DRILLING SPOOL
5. 3" SER. 1500 X 2" SER. 1500 STEEL TEE
6. 2" SER. 1500 VALVE
7. 2" MUD PRESSURE GAUGE
8. 3" SER. 1500 X 2" SER. 1500 STEEL CROSS
9. 2" SER 1500 ADJ. CHOKE
10. 2" SER. 1500 ADJ. CHOKE ON 2" SER. 1500 RISER VALVE ON SIDE OUTLET OF 2" SER. 1500 STEEL TEE
11. ADAPTER, 2" SER. 1500 X 3 1/16" 10,000 LB WP OR OTHER FLANGE MATING INLET (12)
12. 10,000 LB WP REMOTE CHOKE
13. HYDRAULIC CHOKE, 2500 LB WP OR BETTER
14. 3" SER. 1500 CHECK VALVE

NOTES:

1. 5000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE
3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

PHILLIPS PETROLEUM COMPANY

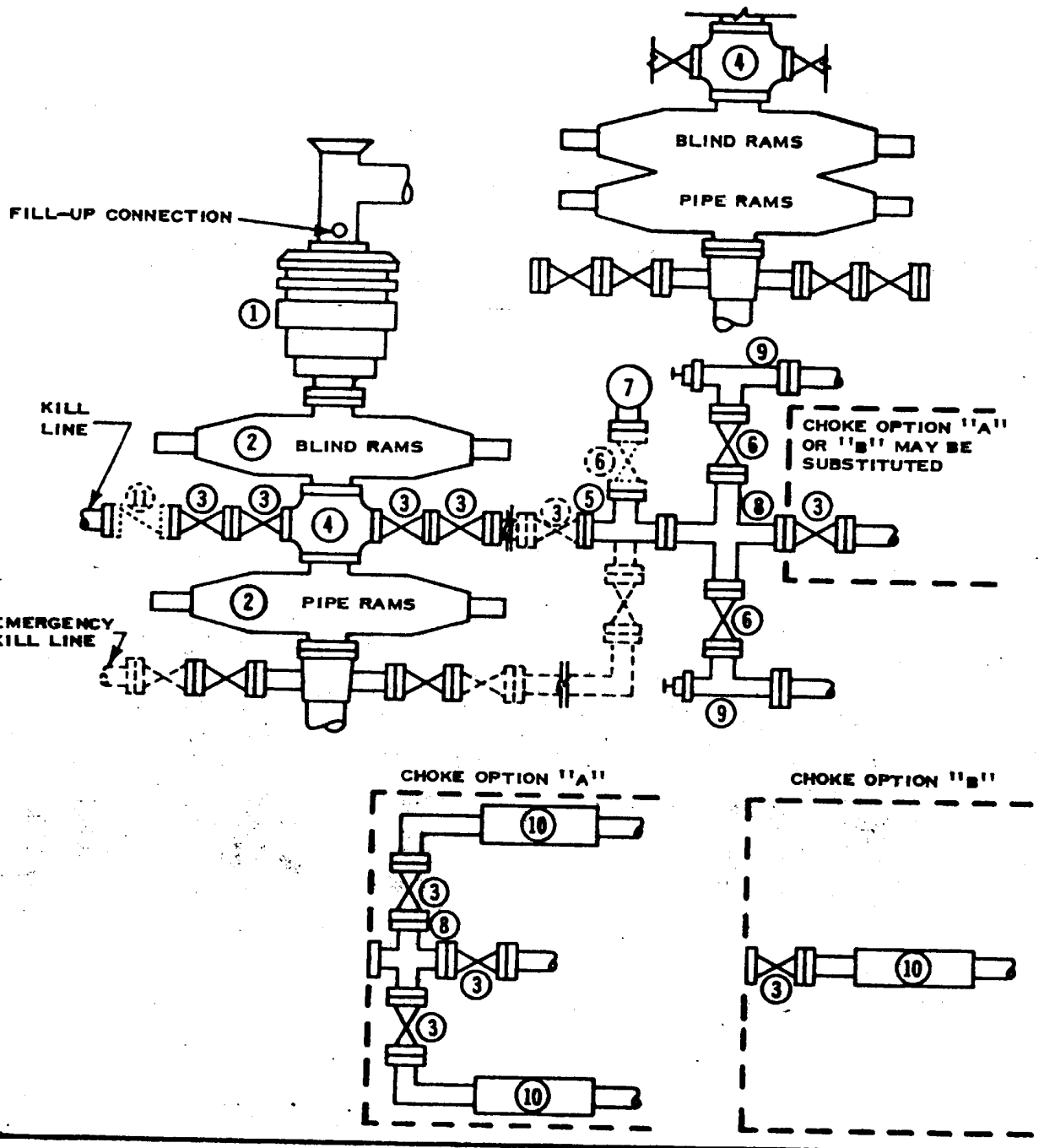
5000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

(SERIES 1500 FLANGES OR BETTER

REV 6/73

FIGURE NO. 5

DOUBLE PREVENTER OPTION



1. SER. 900 HYDRIL "GK"
2. SER. 900 RAM-TYPE BOP
3. 3" SER. 900 VALVE
4. SER. 900 DRILLING SPOOL
5. 3" SER. 900 X 2" SER. 900 STEEL TEE
6. 2" SER. 900 VALVE
7. 2" MUD PRESSURE GAUGE
8. 3" SER. 900 X 2" SER. 900 STEEL CROSS
9. 2" SER. 900 ADJ. CHOKE
10. HYDRAULIC CHOKE, 2500 PSI WP OR BETTER
11. 3" SER. 900 CHECK VALVE

NOTES:

1. 3000 PSI WP OR BETTER CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. ONE ADJUSTABLE CHOKE MAY BE REPLACED WITH A POSITIVE CHOKE
3. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

PHILLIPS PETROLEUM COMPANY

3000 PSI WORKING PRESSURE

BLOWOUT PREVENTER HOOK-UP

(SERIES 900 FLANGES OR BETTER)

REV 6/73

FIGURE NO. 6

N O T E G R A M

Odessa, Texas
June 24, 1974

In re: Proposed Mud Program—Luther-A, 11,200', Atoka Test, Section 18, T-8-S, R-32-E, Chaves County, New Mexico

Surface: 450' of 13-3/8" Casing

Spud with bentonite, lime and Flosal* mixed to a high viscosity.

Intermediate: 5000' of 8-5/8" Casing

Drill out with fresh water and circulate through controlled section of the reserve pit. Make all water additions at the flow line. Maintain viscosity 31-33 sec/qt. with Flosal and water. Mix 5 sacks of Soltex* before drilling the "red beds", and then mix 2 sacks per tour while drilling "red beds". Add over two circulations 50 bbls of crude oil prior to drilling the salt section.

From 5000' to 7,100':

Drill this section with water while circulating through the reserve pit.

From 7,100' to 9,500':

Add 8% crude oil over two circulations. Then mix clay, Flosal and Soltex to maintain a 34 to 36 sec. viscosity. Should a foaming problem occur, use Desco*.

From 9,500' to T.D.

At 9,500' return to steel pits and maintain 36 to 40 sec. viscosity per qt. At 8,800' mix 25 sacks of soda ash and then reduce fluid loss to 20 cc or less with Drispac*.

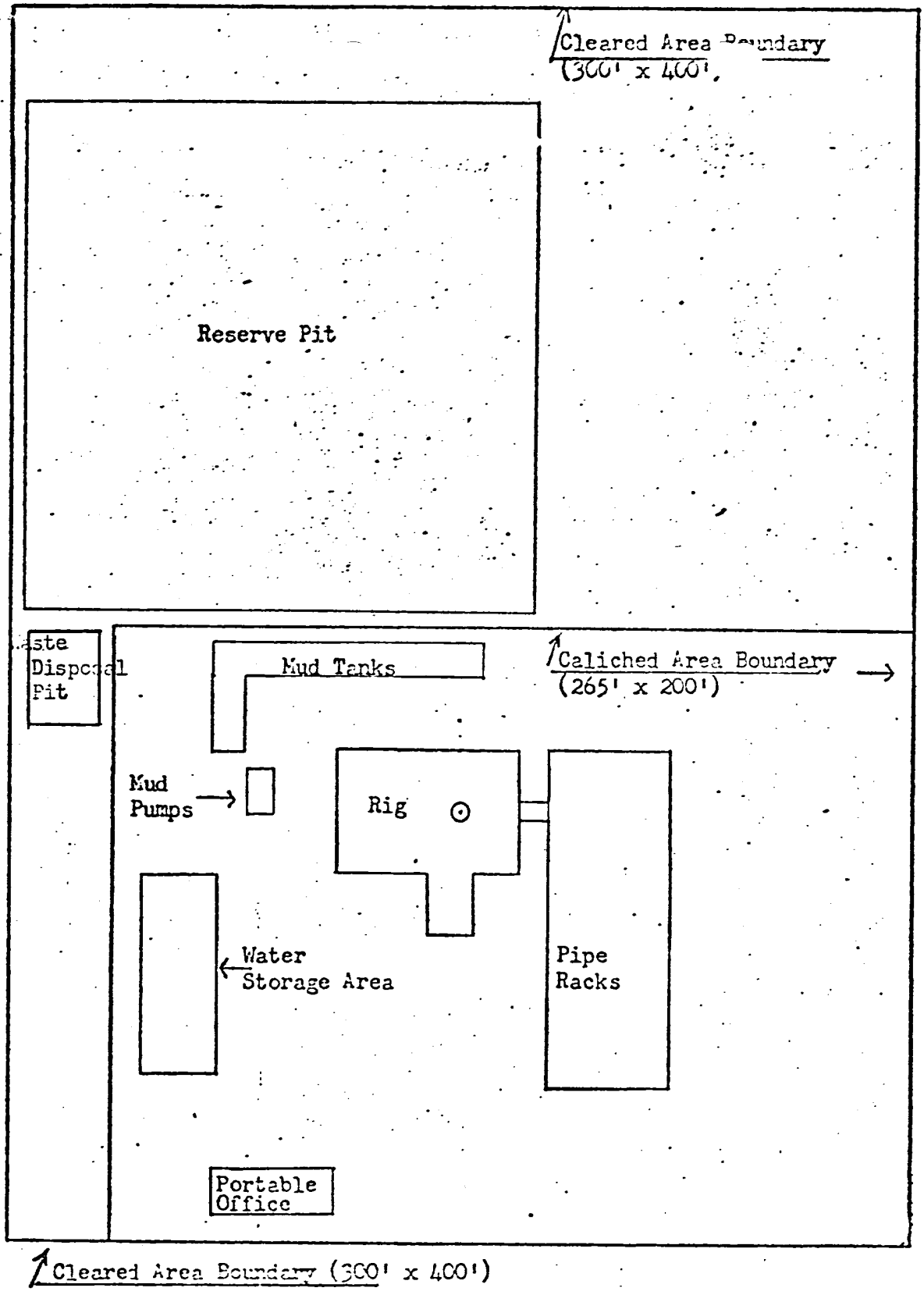
* A trademark

RAE:rm

Phillips Petroleum Company - Luther-A Well No. 1 = 660' FS & 1980' FW Lines, Sec. 18, T-8-S, R-32-E, Chaves County, New Mexico

1. Existing roads on lease: None - There is existing dirt road in NW/4 Sec. 19 (See sketch of area roads attached)
2. Planned access roads: Commence at existing dirt road in NW/4 Sec. 19 (South of well), construct approximately 1500 feet (12' wide) road North to well site.
3. Location of well No. 1 = 660' FS & 1980' FW lines, Section 18, T-8-S, R-32-E.
4. Lateral roads to area of well site: No paved or county roads in vicinity of proposed well site. There is a dirt road running NW/SE thru the north half of Sec. 19, approximately 1500' south of well site. The proposed road to well site would commence at nearest point on the existing dirt road and run north to well site.
5. Tank battery and production facilities as required will be contained within drill site pad upon well completion.
6. Water supply will be purchased, and will be trucked to well site. Supply source has not been determined.
7. Gas for fuel used will be LPG furnished by commercial distributor. Supply source has not been determined to date. Fuel storage tank (s) will be located within cleared drill site area.
8. All waste disposal will be put in separate pits and covered.
9. No camps or airstrips will be located on lease.
10. Drill site location will be an area 300' E-W x 400' N-S, cleared and leveled with reserve pits dug in the northern 200' portion. Rig, racks, pumps, steel pits, water tanks, and portable office to be located on southern 200' portion of pad. The drill site proper (contained within the pad) will be permanently caliched in approximate area of 265' E-W x 200' N-S.
11. Restoration of surface: Dug pits within the cleared area will be back-filled and leveled. Caliched pad of the cleared area is a permanent type emplacement.
12. This land use plan is essentially the same as that used on other wells of like depth in Lea and Eddy Counties.

HM/pm

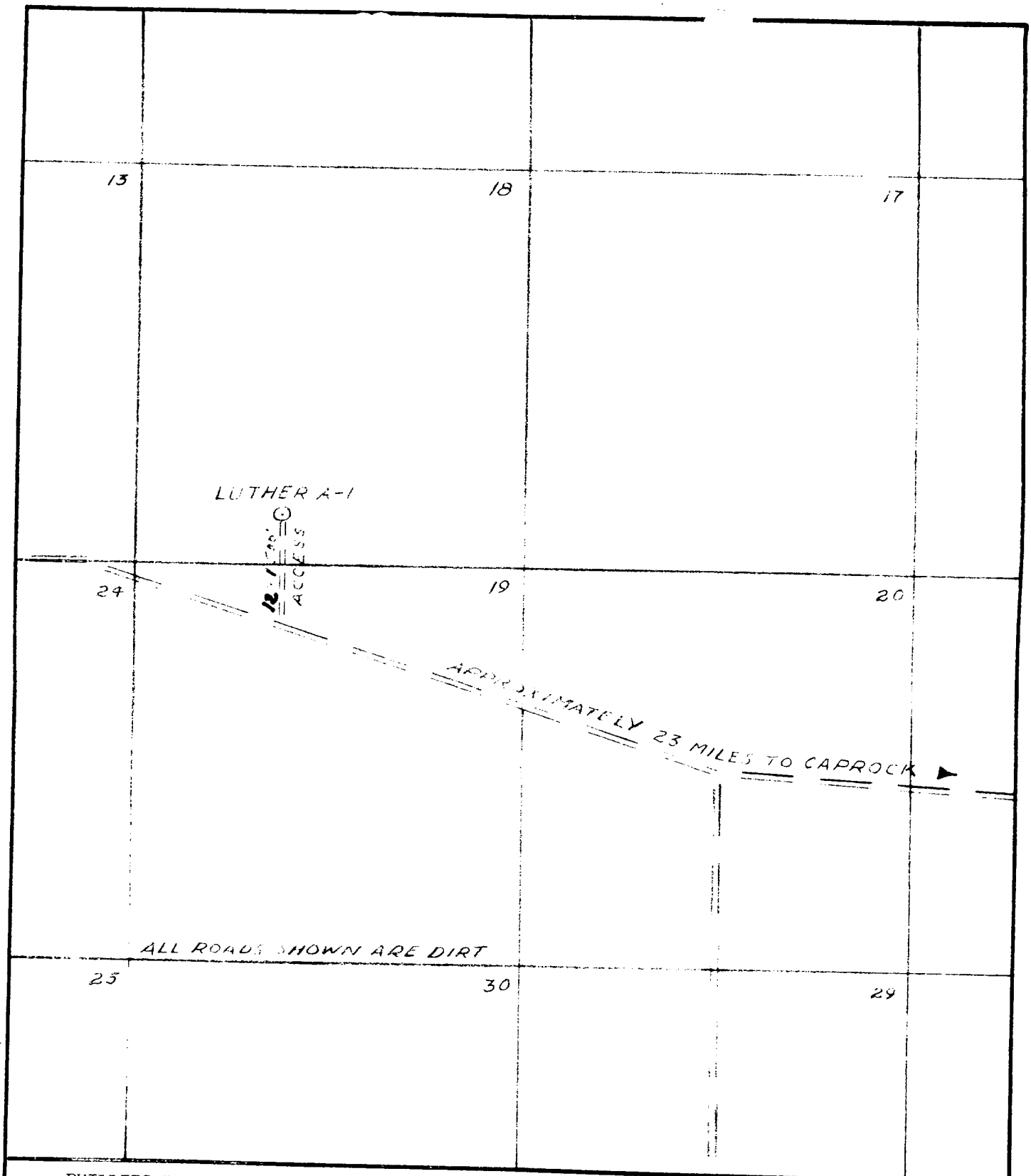


PHILLIPS PETROLEUM COMPANY — BARTLESVILLE, OKLAHOMA

DEVELOPMENT PLAN FOR SURFACE USE
Luther-A - Section 18, T-8-S, R-32-E, Chaves County, New Mexico

Well Site - Location and Rig Service Lay-out

DRAWN	AFE. NO.	DWG. NO. 2
CHECKED		



PHILLIPS PETROLEUM COMPANY, **BARTLESVILLE, OKLAHOMA**

LUTHER "A" No. 1

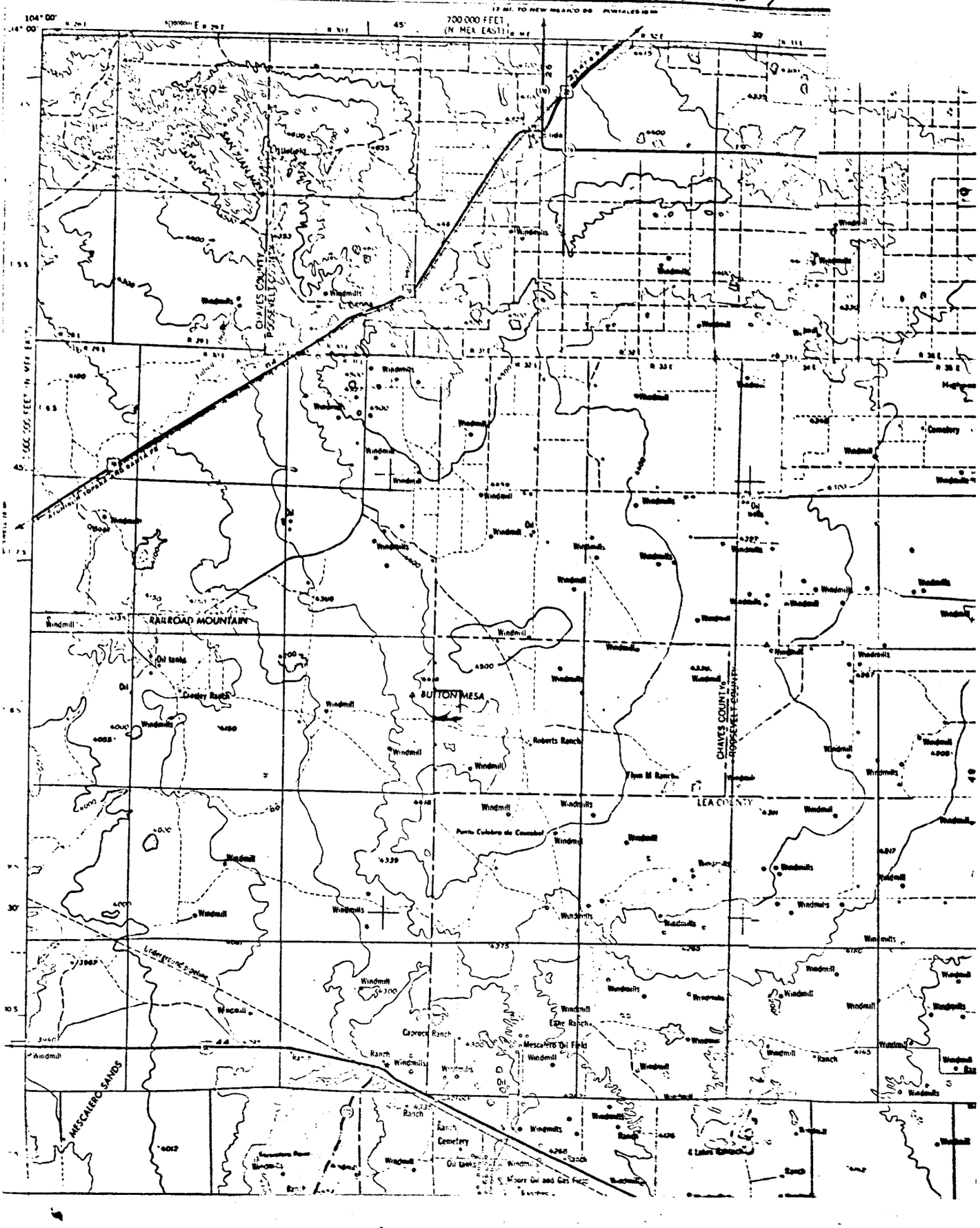
660' FSL, 1980' FWL, Sec. 18, T-8-S, R-32-E
Chaves County, New Mexico

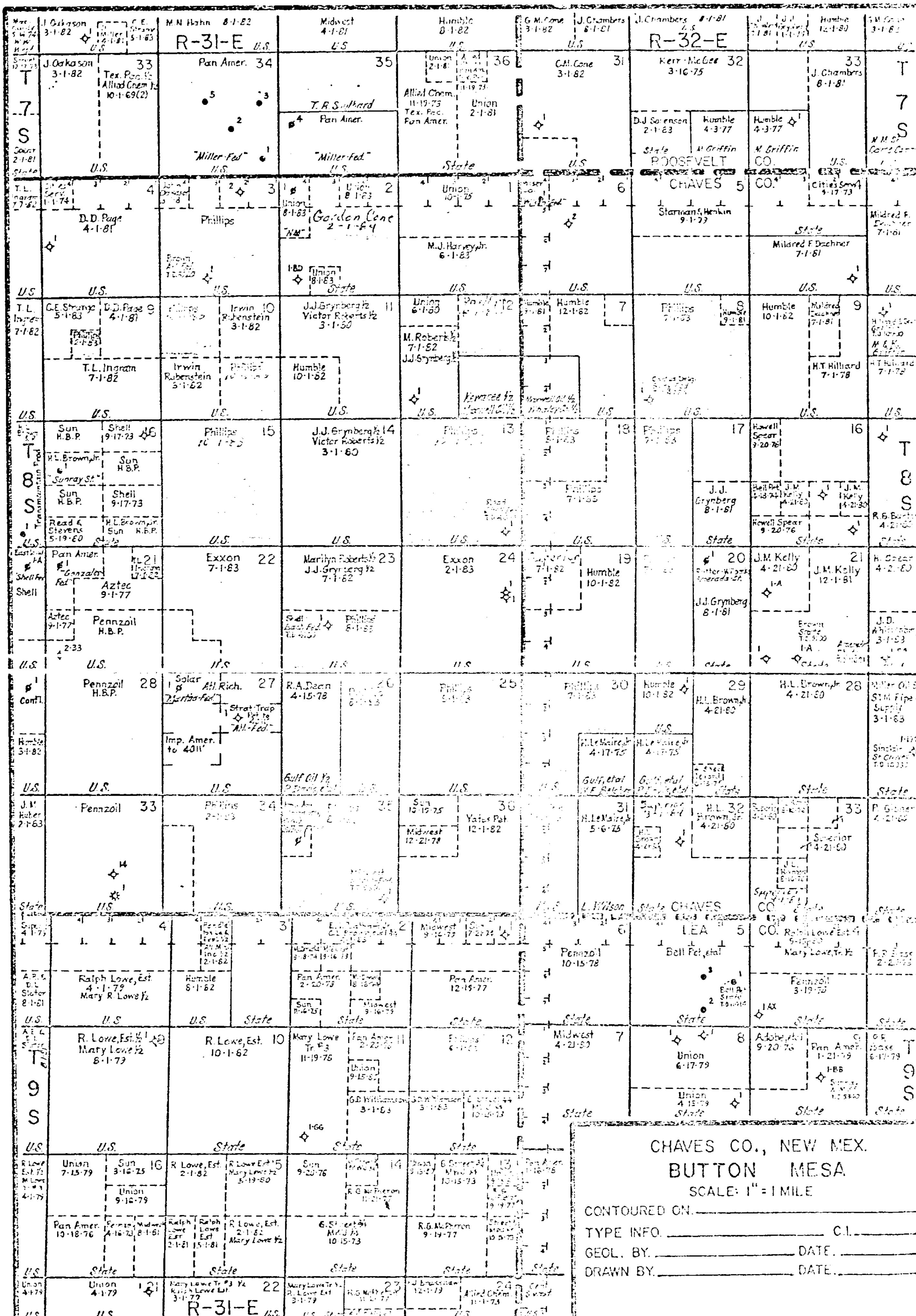
REVISION	BY	DATE

DRAWN		AFE. NO.	DWG. NO.
CHECKED			
APPROVED		SCALE	

WESTERN UNITED STATES 1:250,000

Brunfield N13-9




CHAVES CO., NEW MEX.
BUTTON MESA
SCALE: 1" = 1 MILE
CONTOURED ON
TYPE INFO.
C.I.
GEOL. BY
DATE
DRAWN BY
DATE
R-31-E
R-32-E
T 7 S
T 8 S
T 9 S
ROOSEVELT CO.
CHAVES CO.
CHAVES
LEA CO.