Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side.)

Form approved.
Budget Bureau No. 42-R1425.

30-025-24161

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPY TO O.C.C.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: LC 065710 - A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: —

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: Lusk Deep Unit A

8. FARM OR LEASE NAME: Lusk Deep Unit A

2. NAME OF OPERATOR: Phillips Petroleum Company

9. WELL NO.: 12

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

10. FIELD AND POOL, OR WILDCAT: Lusk Morrow - Gas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1660' FN & 2300' FE lines
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20, 19S, 32E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 20 miles West-Northwest to Loco Hills

12. COUNTY OR PARISH: Lea — 13. STATE: New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 2300' FE

16. NO. OF ACRES IN LEASE: 640+

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 5300' to No. 5

19. PROPOSED DEPTH: 12500'

20. ROTARY OR CABLE TOOLS: Rotary

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

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#	880	(Est. 950 cu ft; Sufficient to circ.)
11	8-5/8	32#	4500	(Est. 2020 cu ft; Sufficient to circ.)
7-7/8	5-1/2	20#, 17#	12500	(Est. 870 cu ft; Estimated top - 9200')

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

Use mud additive as required for control.

Blowout preventors: Drilling to 3800' - Series 900 3000 BOP Fig. 7 (attached).
3800' to TD Series 1500 5000 BOP Fig 5 (attached)

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 9-16-74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
SEP 26 1974
ARTHUR R. BROWN
DISTRICT ENGINEER

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

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-128
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
PHILLIPS PETROLEUM COMPANY	LUSK DEEP UNIT A	12

Unit Letter	Section	Township	Range	County
G	20	19 SOUTH	32 EAST	LEA

Actual Footage Location of Well:
1660 feet from the NORTH line and 2300 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3580.3	Morrow	Lusk Morrow - Gas	640

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

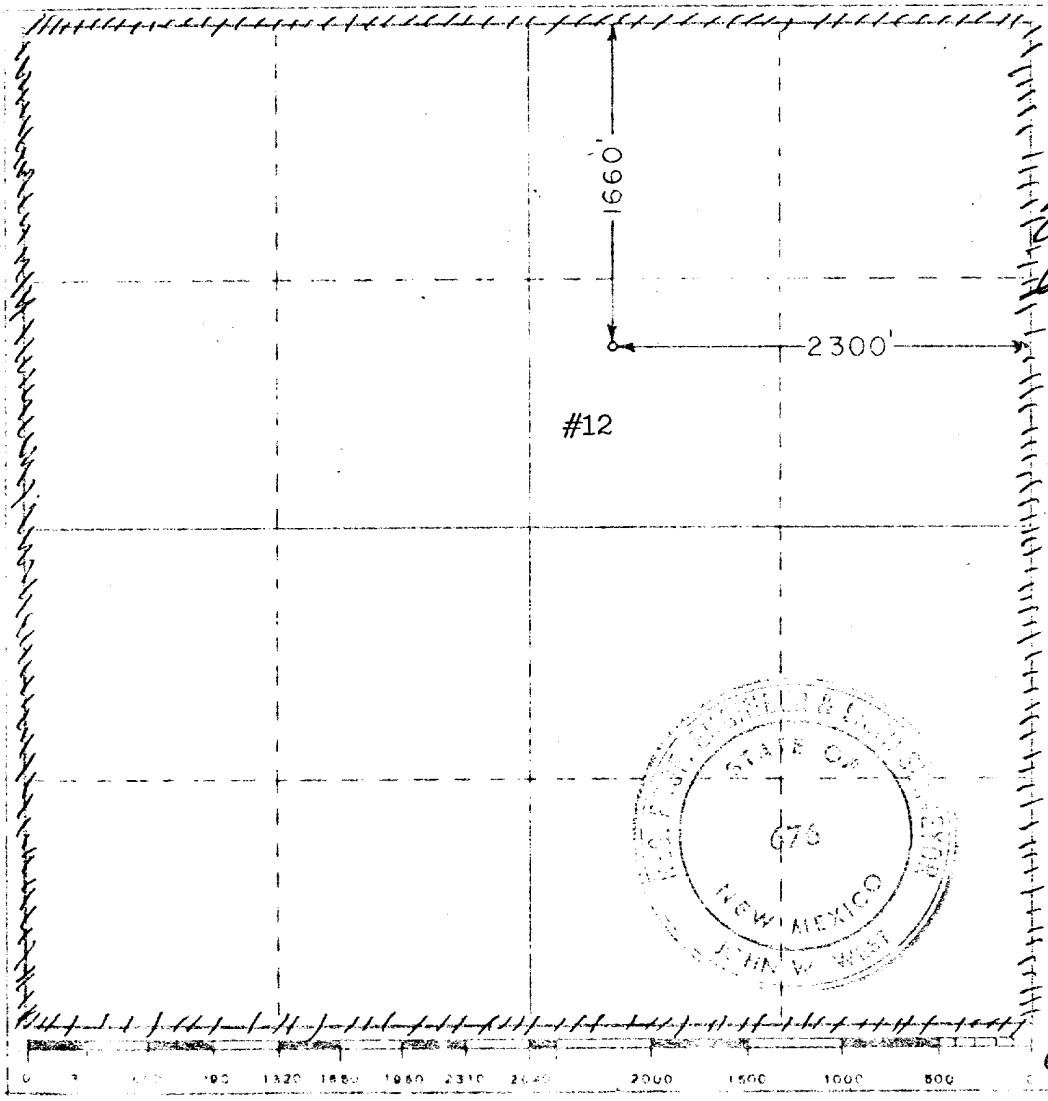
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

CERTIFICATION

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

W. J. Mueller

Senior Reservoir Engineer

Phillips Petroleum Company

September 16, 1974

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.

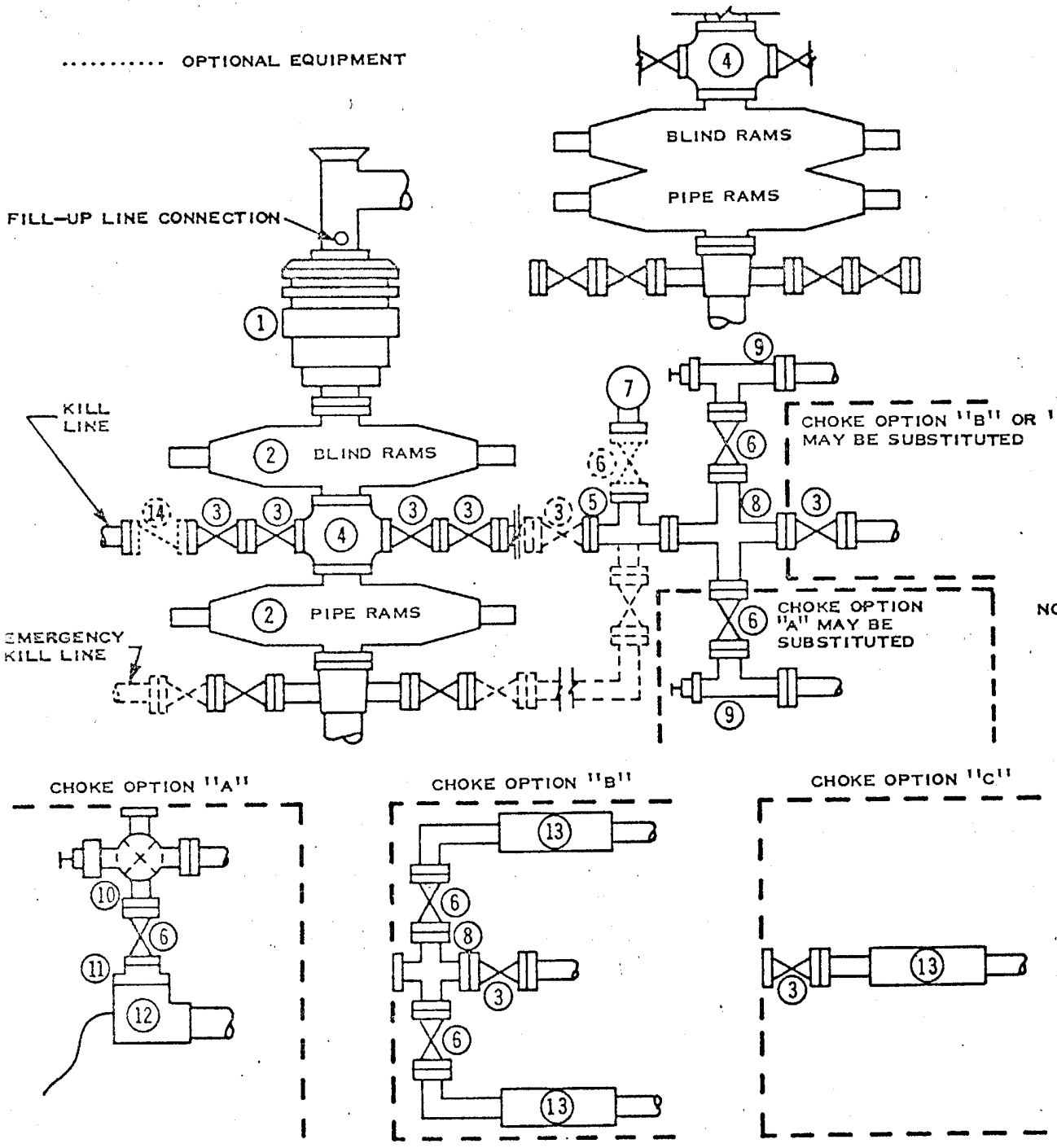
Date Surveyed
SEPTEMBER 12, 1974

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

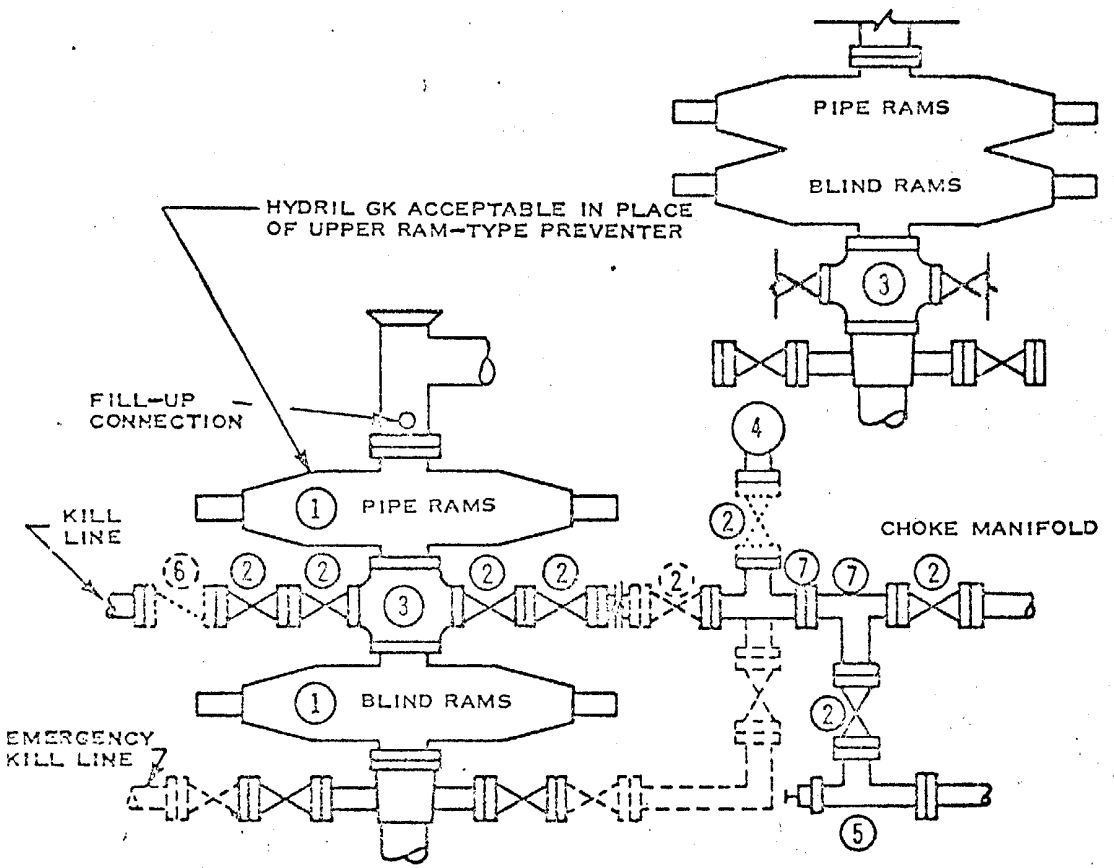
5000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

(SERIES 1500 FLANGES OR BETTER)

REV 6/73

FIGURE NO. 5

DOUBLE PREVENTER OPTION



① SERIES 900 RAM-TYPE BOP

② 2" SERIES 900 VALVE

③ SERIES 900 DRILLING SPOOL

④ 2" MUD PRESSURE GAUGE

⑤ 2" SERIES 900 CHOKE

⑥ 2" SERIES 900 CHECK VALVE

⑦ 2" SERIES 900 STEEL TEE

NOTES:

1. 3000 PSI WP CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. 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. 7

PHILLIPS PETROLEUM COMPANY

Odessa, Texas

In re: Proposed Mud Program--Lusk Deep Unit A, Well No. 12 - Morrow Test
Section 20, T-19-S, R-32-E, Lea County, New Mexico

Surface: 800 of 13-3/8" Casing

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

Intermediate: 4500' of 8-5/8" Casing

Drill out with brine water and circulate through controlled section of the reserve pit. Maintain viscosity 31-33 sec/qt with Flosal and brine. Severe loss can be expected in the interval 2800'-3500'. Should this occur, it may be necessary to "dry drill". Maintain mud for running of casing.

From 4500' to 10,000':

Drill this section with fresh water while circulating through the reserve pit. Use Flosal to clean hole.

From 10,000' to 11,800':

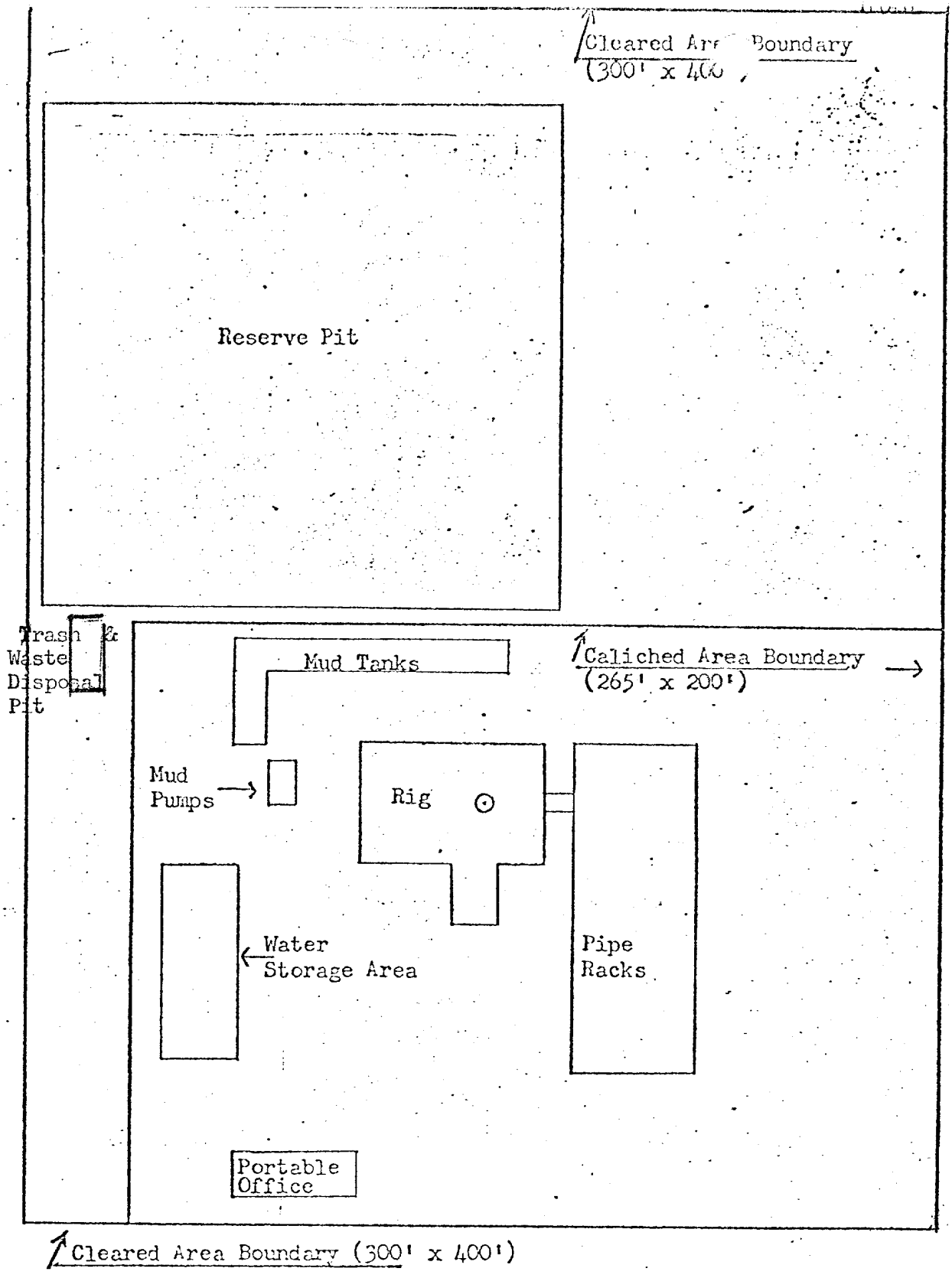
Return to steel pits; reduce total hardness, then mix Bentonite, Flosal and Driscose to maintain these mud properties. 34 to 36 sec viscosity. Fluid loss 20 cc or less, wt. 9# per gal. Use LCM as needed.

From 11,800' to 12,500' T.D.:

Reduce fluid loss to 5cc or less with Drispac, and maintain viscosity 36-40 sec, wt. 9# + or -.

* A trademark

THMcL:jb



PHILLIPS PETROLEUM COMPANY — BARTLESVILLE, OKLAHOMA

DEVELOPMENT PLAN FOR SURFACE USE
LUSK DEEP UNIT - A, WELL No. 12 - 1660' FN, 2300' FE lines,
Section 20, T-19-S, R-32-E, Lea County, New Mexico

REVISION	BY	DATE	DRAWN	AFE. NO.	DWG. NO. 2
			CHECKED		
			APPROVED	SCALE 1"=50'	SHEET NO. 1

Phillips Petroleum Company
Lusk Deep Unit-A, Well No. 12

Location: 1660' FN & 2300' FE lines, Section 20, T-19-S, R-32-E, Lea County, New Mexico.

1. Existing roads on lease (Sec. 20): Old dirt road runs NW/SE through SW/4 of Sec. 20. (See attached sketch)

2. Planned Access Roads: Commence at existing dirt road in S/2 Sec. 17 (north of well site), construct approximately 2200' x 20' access road to run south to well site in Section 20.

3. Location of Well: 1660' FN, 2300' FE lines, Section 20, T-19-S, R-32-E, Lea County.

4. Lateral Roads at Area of Well Site: Existing dirt road runs E/W in S/2 of Section 17 which is approximately 2200' north of well site. Existing paved road runs N/S along west line of Section 20, is intersected by first named dirt lease road, junctions to the north approximately 10 miles with Highways #529 & U.S. #62, junctions to the south approximately 9 miles with U.S. Highways #62 and 180. (See attached sketch)

5. Tank battery and production facilities as required will be contained within drill site pad upon well completion.

6. We propose that water for drilling operations be secured at Phillips' Lusk Plant with water line to be laid along existing Section 17 dirt road and proposed new access road right of ways.

7. We propose that gas fuel for drilling be secured at Phillips' Lusk Plant with gas line to be laid along existing Section 17 dirt road and proposed new access road right of ways.

8. All waste disposal will be put in separate pits and covered with minimum of 24" backfill.

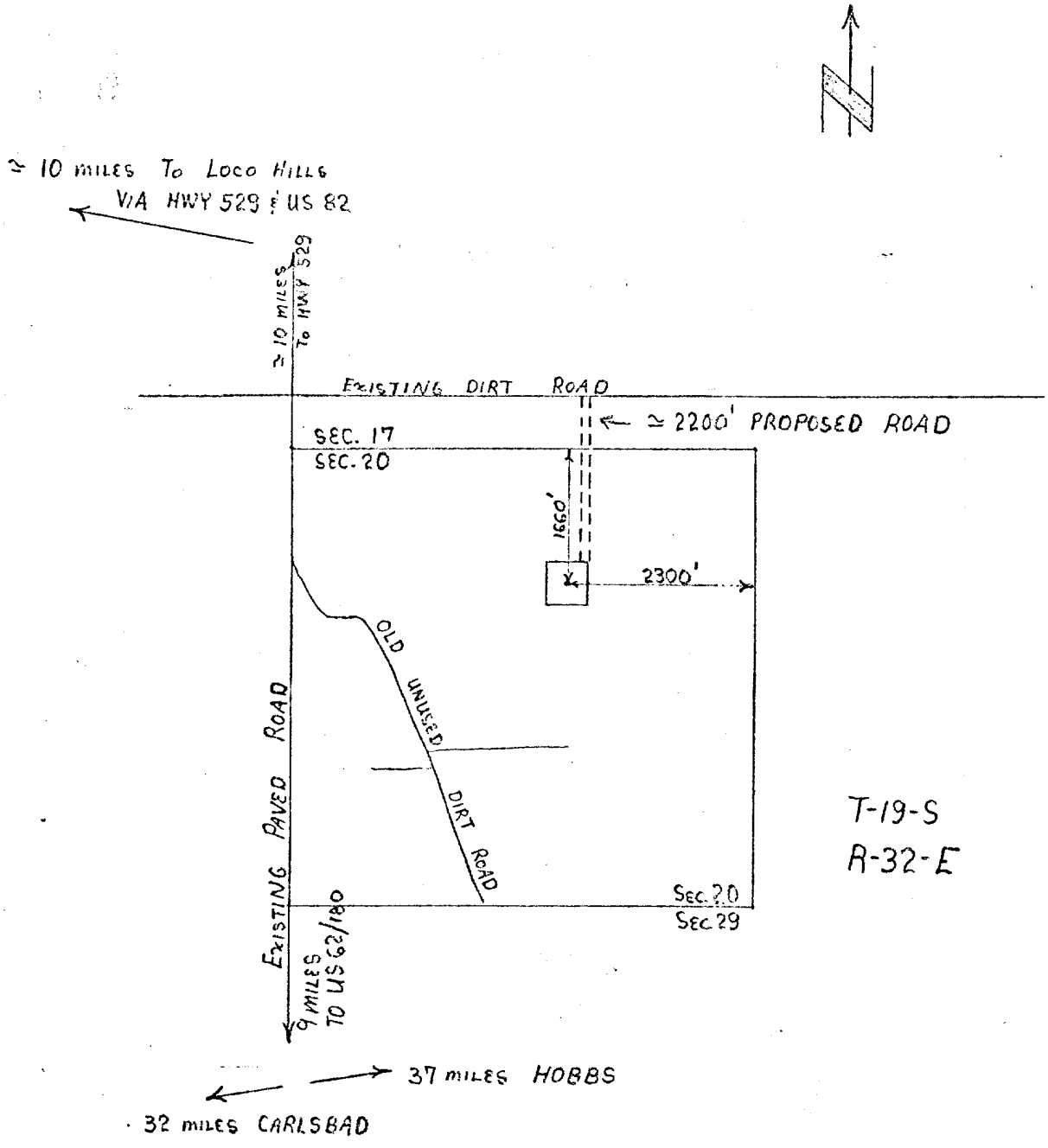
9. No camps or airstrips will be located on lease.

10. Drill site location will be an area 300' east/west by 400' north/south, cleared and leveled with reserve pits dug in the northern 200' of site area. Rig, racks, pumps, steel pits, water tanks, and portable office to be located on southern 200' portion of pad. 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 backfilled 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

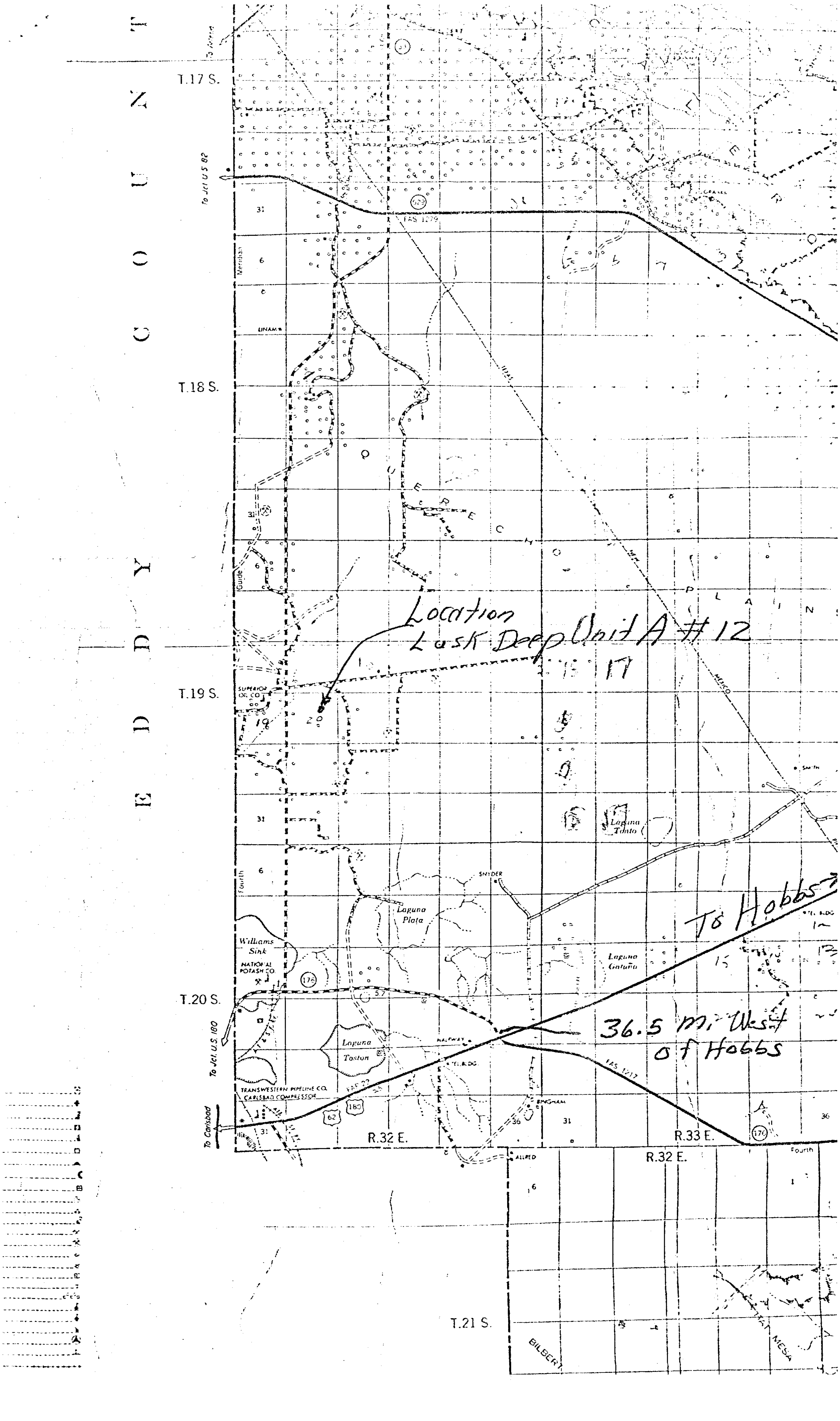


BARTLESVILLE, OKLAHOMA

LOCATION FOR LUSK DEEP UNIT A WELL NO. 12

REVISION	BY	DATE

DRAWN ECW | AFE. NO. | DWG. NO.
CHECKED | | |
APPROVED | SCALE | SHEET NO.


E D D Y C O U N T
T.17 S.
T.18 S.
T.19 S.
T.20 S.
T.21 S.
R.32 E.
R.33 E.
R.32 E.
Location
Lusk Deep Unit A #12
To Hobbs
36.5 mi. West of Hobbs
Williams Sink
NATIONAL POTASH CO.
SUPERIOR OIL CO.
Laguna Plata
Laguna Tonto
Laguna Gatuña
Laguna Toston
SNYDER
HALFWAY
BINGHAM
ALLRED
SMITH
BILBERT
LINAM
TRANSWESTERN PIPELINE CO. CARLSBAD COMPRESSOR
To Jct. U.S. 82
To Jct. U.S. 180
To Carlsbad
FAS 1279
FAS 1217
MESA
PLAINS
QUERECHO

Mod 4-25-89
5/25/89