

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on
N. M. OIL & GAS COMMISSION

P. O. BOX 1980

HOBBS, NEW MEXICO 88240

5. LEASE DESIGNATION AND SERIAL NO.

18240 710-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lusk Deep Unit A

8. FARM OR LEASE NAME

Lusk Deep Unit A

9. WELL NO.

12

10. FIELD AND POOL, OR WILDCAT

East Lusk Bone Springs

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

20, 19-S, 32-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

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Room 401, 4001 Penbrook St., Odessa, TX 79762

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

At proposed prod. zone (Unit G) 1660' FNL & 2300' FEL

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

20 miles West Northwest to Loco Hills, NM

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

1660'

16. NO. OF ACRES IN LEASE

640±

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

First well

19. PROPOSED DEPTH

10590

20. ROTARY OR CABLE TOOLS

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

3581' Gr, 3594' DF

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
12 1/2"	13 3/8"	48#	819	500 sk TRLW w/7 1/2# salt/sk 10%*
11"	8 5/8"	32#	4482(DV tool@2805')	1st: 300 sk TRLW w/10% DD **
7 7/8"	5 1/2"	20#, 17#	12814	750 sk Class C w/1/10% LWL &***

*DD/sk, 1/4# Celloflake/sk (Circ. 240 sk @ surface)

**7 1/2# salt/sk (w/200 sk RFO.) 2nd: 1350 sk TRLW w/10% DD, 7 1/2# salt/sk(w/200 sk RFC) Temp. survey TOC @ 1350'.

***2#KCL/sk. Temp. survey TOC @ 8625'.

Well originally drilled to TD of 12800' & completed in Morrow zone; Morrow perfs 12388-12696' abandoned 2/81. Perforated Wolfcamp 10680-10708', tested noncommercial & abandoned 8/82. Perforated Strawn 11460-11581', uneconomical to operate.

Workover proposal: P&A Strawn, acidize and produce Bone Springs 8839-8914'.

1. MI & RU DDU. Pull rods & pump. Install BOP. COOH w/tbg. and tubing anchor catcher.
2. GIH w/CIBP & set @ 11430'. Place 5 sk Class H cmt. w/0.3% HR7 on top of CIBP.
3. GIH w/CIBP & set @ 10640'. Place 5 sk Class H cement w/0.3% HR7 on top of CIBP.
4. GIH w/2 7/8" tbg. & spot 2 bbls. 10% acetic acid from 8850'-8765'. COOH w/tbg.

(OVER)

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 Ralph J. Roper TITLE _____ DATE 4/19/85
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Orig: Sgd. Clerk

APPROVED BY W. J. Mueller TITLE _____ DATE 5-1-85
 CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult local applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685231

5. Run GR-Collar Log from 9500'-4500'. Correlate to Schlumberger BHC Sonic run 1/3/75.
6. Perforate the 5½" csg. w/4" OD csg. gun w/2SPF 8839-8849' and 8896-8914'. Total 28', 56 shots.
7. GIH w/RTTS type packer on 2 7/8" tbg. Set packet @ 8750'. Swab to clean up perforations.
8. Acidize Bone Springs with 3000 gals. 15% NEFE HCl as follows:
 - a. Load annulus & hole 100 psi during treatment using 2% KCl wtr.
 - b. Open circ. valve & displace tbg. w/2100 gals. acid. Close circ. valve.
 - c. Pump remaining 900 gals. acid.
 - d. Flush w/2500 gals. 2% KCl wtr.Injection rate: 4-6 BPM, Maximum Pressure: 6000 psi
9. Swab load and acid wtr.

No new surface construction or damage will be required for this workover procedure.
BOP: Series 1500, 5000# WP

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

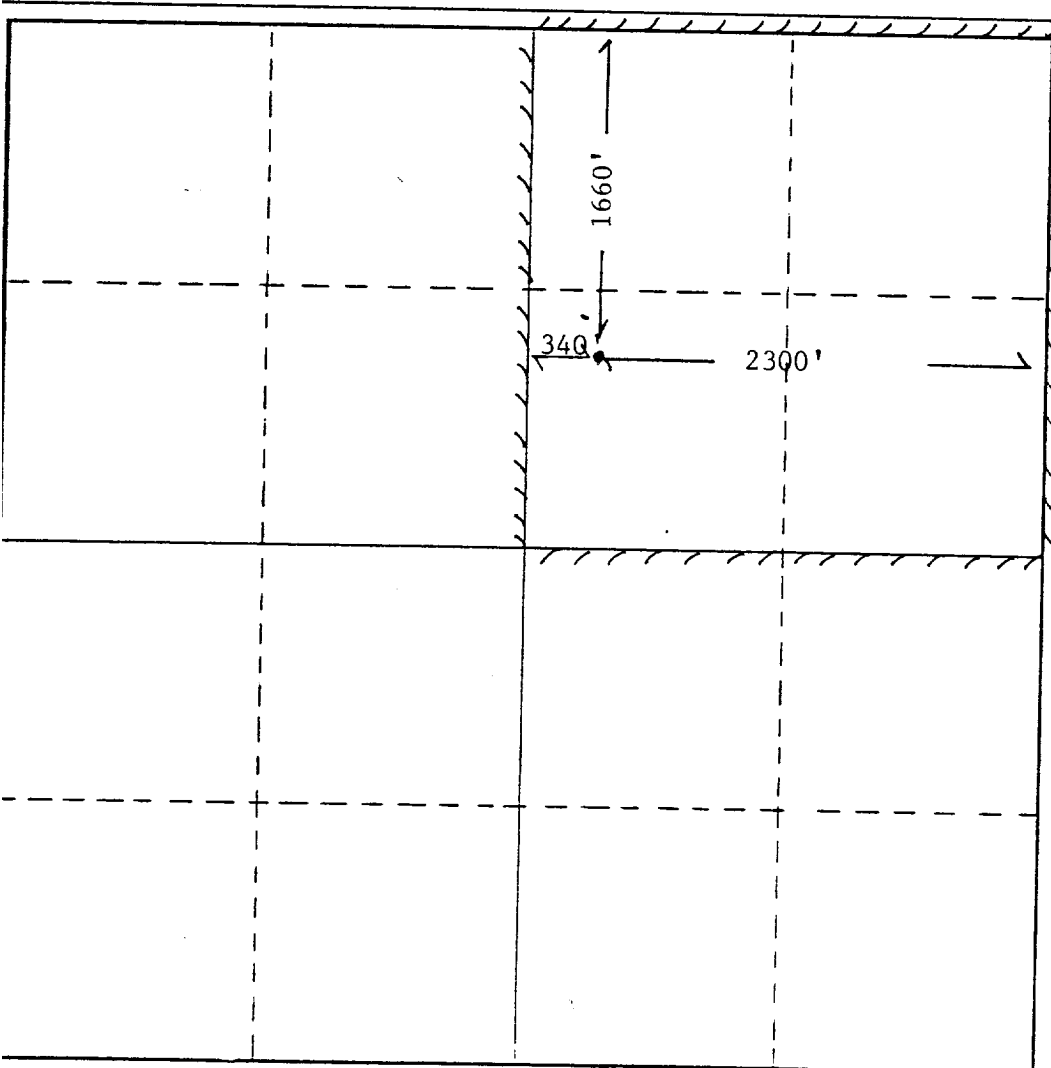
Operator Phillips Petroleum Co.		Lease Lusk Deep Unit A			Well No. 12
Unit Letter G	Section 20	Township 19 South	Range 32 East	County Lea	
Actual Footage Location of Well: 1660 feet from the North line and 2300 feet from the East line					
Ground Level Elev. 3581' Gr.	Producing Formation Bone Springs	Pool East Lusk Bone Springs		Dedicated Acreage: 160 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

for W.J. Mueller
Position

Company
Phillips Petroleum Co.

Date
4/19/85

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
Sept. 12, 1974

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No.

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270

RECEIVED

MAY 3 1985

C. C. Z.
NOBLE OFFICE