Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN T. LICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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] REENTRY DEEPEN [ ] PLUG BACK [ ]

7. UNIT AGREEMENT NAME: (Unit #91-006783-b) Lusk Deep Unit A

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

8. FARM OR LEASE NAME: Lusk Deep Unit A

2. NAME OF OPERATOR: Phillips Petroleum Company

9. WELL NO.: 4

3. ADDRESS OF OPERATOR: 4001 Penbrook Street, Odessa, Texas 79762

10. FIELD AND POOL, OR WILDCAT: W. Lusk (Delaware)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: Unit J, 1980 FSL & 1980' FEL
At proposed prod. zone: same

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 19 miles West-Northwest from Loco Hills

12. COUNTY OR PARISH: Lea — 13. STATE: NM

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
1980'	2245.11	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
5155'	7200'	rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3572' GR, 3589' RKB

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
17-1/2"	13-3/8"	72#	822'	1180 sx
12-1/4"	9-5/8"	53.5#, 47#	4226'	2365 sx
7-7/8"	4-1/2"	13#, 11.5#	11531' *	300 sx

*This well was drilled in November, 1962 by El Paso Natural Gas Company. It appears that the surface and intermediate strings were cemented to surface. The production string was cemented with 300 sacks of Trinity Lite-Wate cement with an estimated TOC between 9,900' and 10,000'. The production casing was cut and pulled from 5,500' when the well was P&A'd in October, 1971. The well was originally completed in the Strawn at 11,430'-11,470'.

Proposed procedure is to re-enter well, pull 4-1/2" casing to 7200', run new 5-1/2" casing and recomplete in the Delaware at approximately 6462'-6477'.

Use Mud additives (fresh water gel & starch) as needed for control.

BOP EQUIP: Series 900, 3000# WP, double w/1 set pipe rams, 1 set blind rams, manually operated.

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 Engineering Supervisor, Reservoir DATE April 28, 1988

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 6-1-88

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions On Reverse Side**

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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator	Lease	Well No.
El Paso Natural Gas Company	Lusk Unit	#4

Unit Letter	Section	Township	Range	County
J	20	19S	32E	Lea

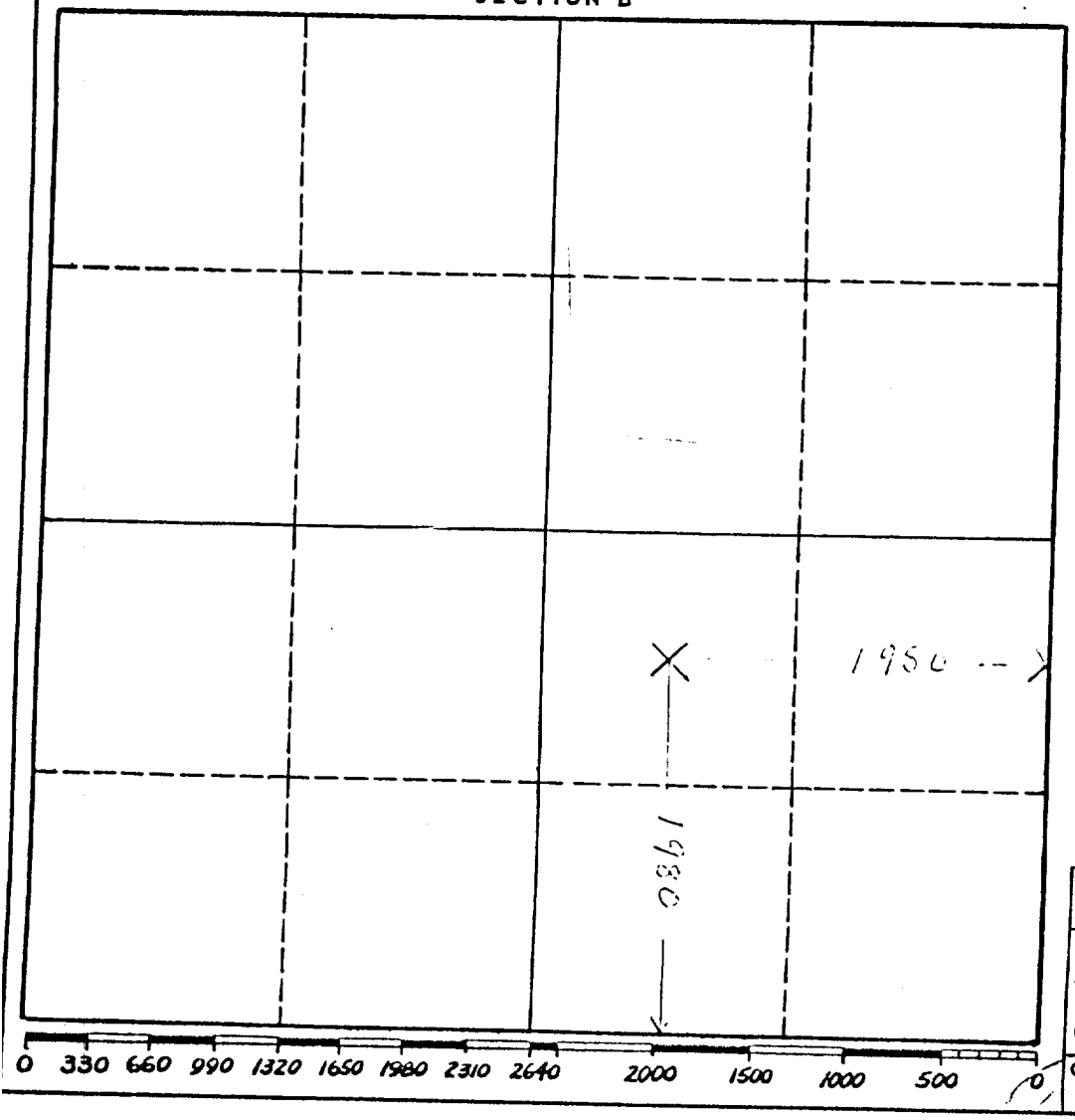
Actual Footage Location of Well:
1980 feet from the South line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3572.4	Strawn	Lusk Deep - Strawn	160 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X . *("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)*
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____ . If answer is "yes," Type of Consolidation Unit Agreement
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
	SE/4 Section 20, T-29-S, R-32-E, NMPM
	Lea County, New Mexico

SECTION B



CERTIFICATION

I hereby certify that the information in *SECTION A* above is true and complete to the best of my knowledge and belief.

Name: E. J. Coel
Position: Supervising Petr. Engineer
Company: El Paso Natural Gas Co.
Date: September 17, 1962

RECEIVED
SEP 21 1962
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

I hereby certify that the well location shown on the plat in *SECTION B* 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: [illegible]
Registered Professional Engineer and/or Land Surveyor
Certificate No. 3067

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	4

Unit Letter	Section	Township	Range	County
J	20	19-S	32-E	Lea

Actual Footage Location of Well:
1980 feet from the south line and 1980 feet from the east line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3572' GR	Delaware	Lusk (Delaware)	40 Acres

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

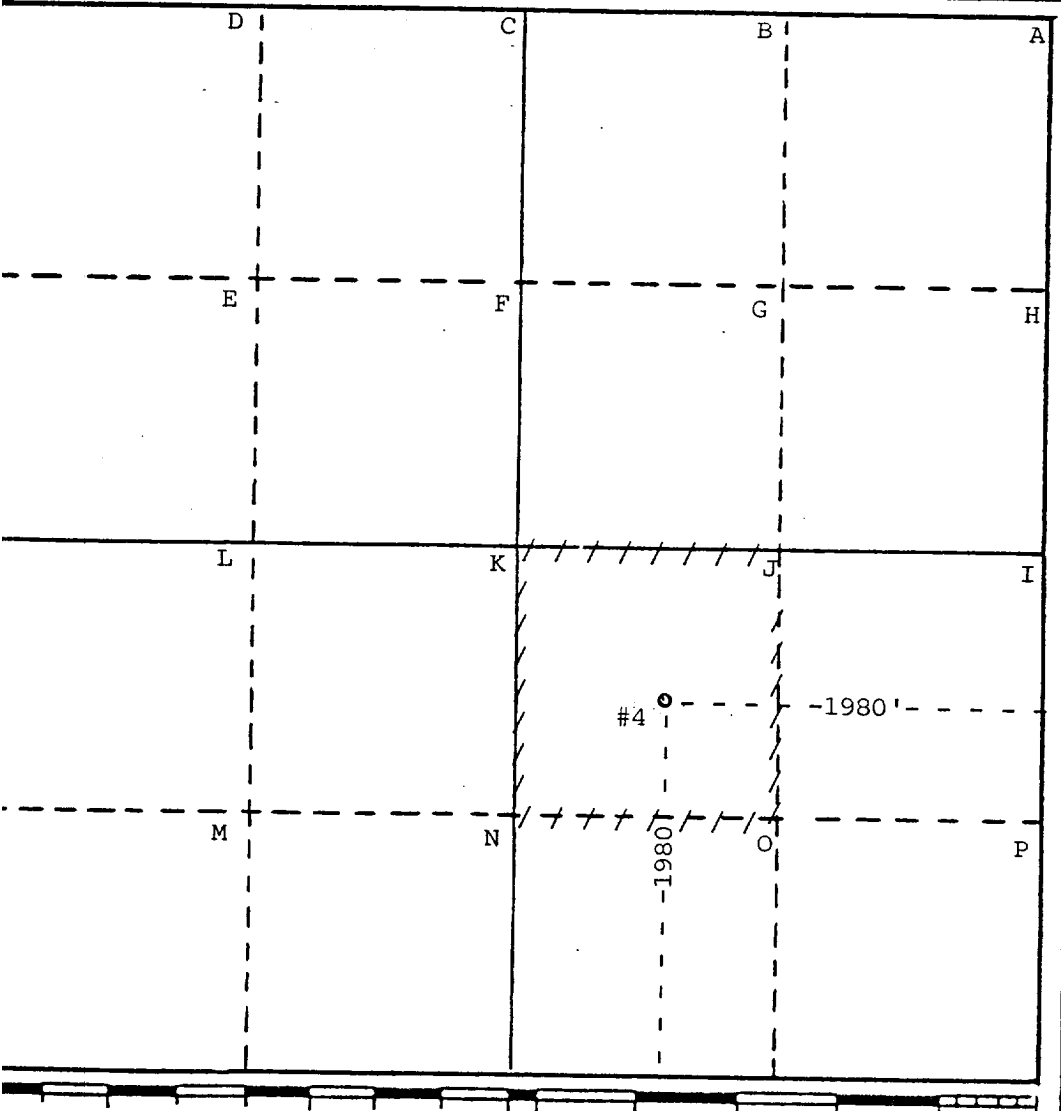
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 Unitization

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: W. J. Mueller

Position: Engineering Supervisor, Reservoir

Company: Phillips Petroleum Co.

Date: April 28, 1988

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.

9-04-62

Date Surveyed

James D. Aden

Registered Professional Engineer and/or Land Surveyor

Certificate No. 3067

1. MIRU [illegible] hole machine. Remove dr. hole marker. Drill out surface plug. Install 11" x 9-5/8" casing head.

2. MIRU drilling rig. NU BOP's. PU 7-7/8" bit, DC's, and DP. Drill out cement plugs at 700', 2400', and 4175'. Clean out and condition open hole to plug at top of 4-1/2" casing.

3. POOH with bit. PU 7-7/8" mill and RIH. Drill out cement plug at top of 4-1/2" casing. Take care in tagging top of casing to prevent damaging casing stub. POOH

4. PU burning shoe & washpipe with 3-7/8" internal mill & RIH. Washover 4-1/2" casing and mill out any cement inside casing with the 3-7/8" mill. POOH

5. RIH with 3-7/8" mill and 1800' 2-7/8" workstring on DP. Clean out 4-1/2" casing to 7300'. POOH

6. RIH with overshot and perform stretch test to determine casing freepoint. POOH

7. RIH with jet cutter and cut casing at estimated freepoint.

8. RIH with overshot and retrieve casing. Repeat steps 6 and 7 as required to reach 7200'.

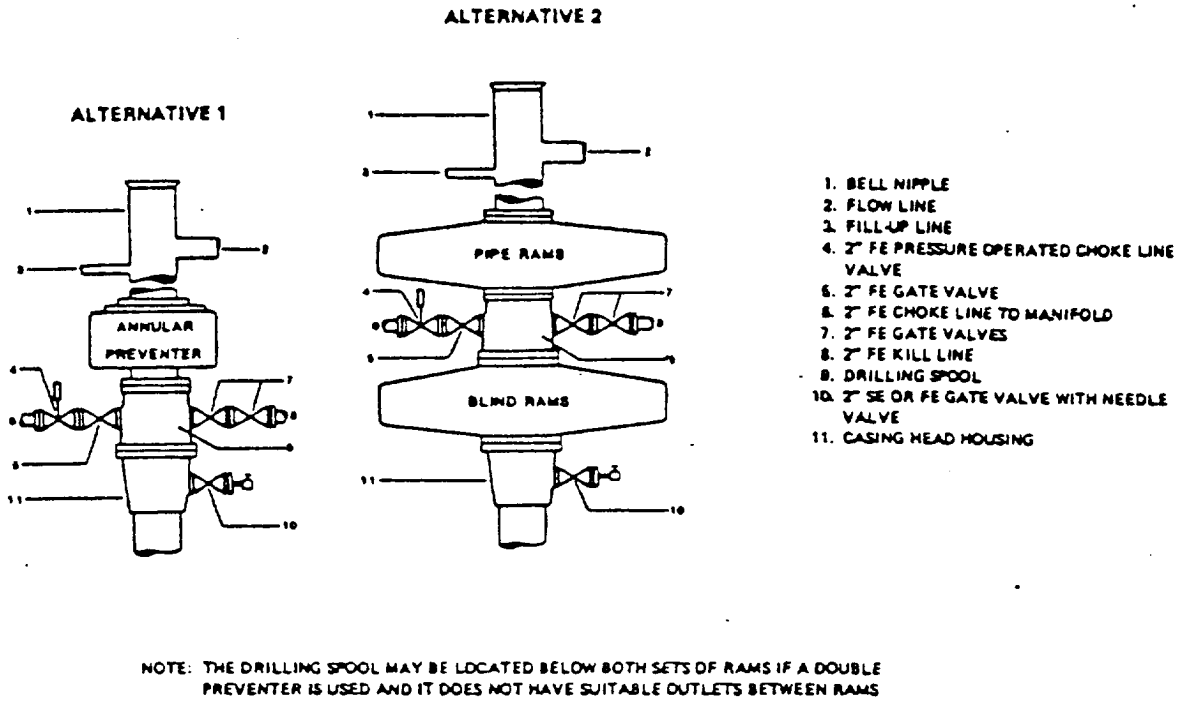
9. RIH with 7-7/8" bit and circulate and condition hole. Run logs if required.

10. RU and run 5-1/2" casing. Set shoe at 7200'±. Run one centralizer every other joint from TD to 200' above pay zone.

11. Cement to 5900' plus 20% excess over caliper volume with Class "C" neat.

12. Install 11" x 2-3/8" 3000# Larkin Type B Uni-Ruf tubing head.

13. RDMO drilling rig. MIRU DDU.



NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1

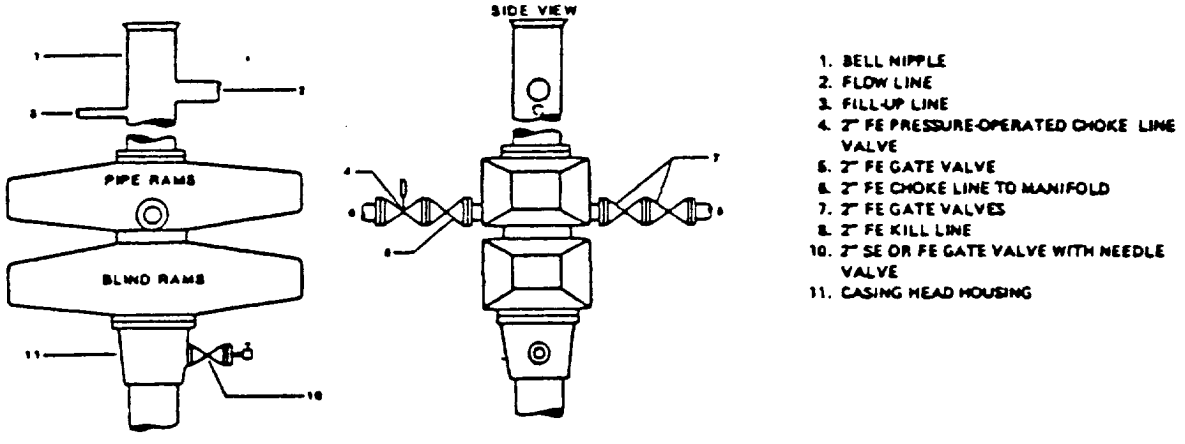


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)