

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1425.

30-015-25117

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 Oil Company

3. ADDRESS OF OPERATOR

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

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

At surface

330' FNL & 2580' FWL (Unit C)

At proposed prod. zone

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

3 1/2 miles West of Loco Hills, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

330' FNL

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

666' WSW to

Burch C #17

16. NO. OF ACRES IN LEASE

1115.20

19. PROPOSED DEPTH

3500

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3602.8 (Unprepared)

22. APPROX. DATE WORK WILL START\*

Upon BLM & OCD approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	3500'	350 sk Class "C" (*1) CIRCULATE
7 7/8	4 1/2	11.6#	3500'	1st stage-Caliper vol. +30% Class "C" (*2)
				2nd Stage- 400 sk Class H (*3)

(\*1) Circ. to surface w/350 sk Class "C" plus 2% CaCl<sub>2</sub> mixed @ 14.8 ppg w/6.3 gals. wtr. per sk to yield 1.32 cf/sk. WOC minimum 18 hrs. prior to testing csg. to 600 psi for 30 mins. and drilling out.

Circ. to surface in two stages using caliper plus 30% excess.

(\*2) Use Class "C" +5#/sk mixed @ 14.8 ppg w/6.3 gals. wtr/sk to yield 1.32 ft<sup>3</sup>/sk. Circ. stage tool ± 4 hrs.

(\*3) Use TLW +10% Diacel D +10% salt.

BOP Equipment: Figure 7-9 or 7-10 (Diagramatic sketches and operational detail attached)

Mud: Proposed detail mud program attached

This location is subject to OCD unorthodox location approval decision, Case #8417, heard 11/28/1984.

This well shares 40 acre proration unit with Burch C Fed Well #17

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

Sr. Engineering Specialist

DATE

1/16/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Dan Wozel

TITLE

CARLEAD RESIDENT AREA

DATE

1-24-85

Subject to  
Like Approval  
by State

Unorthodox  
location

R-7914 / NSL APP.

APPROVAL SUBJECT  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

**N MEXICO OIL CONSERVATION COMMISS**  
**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

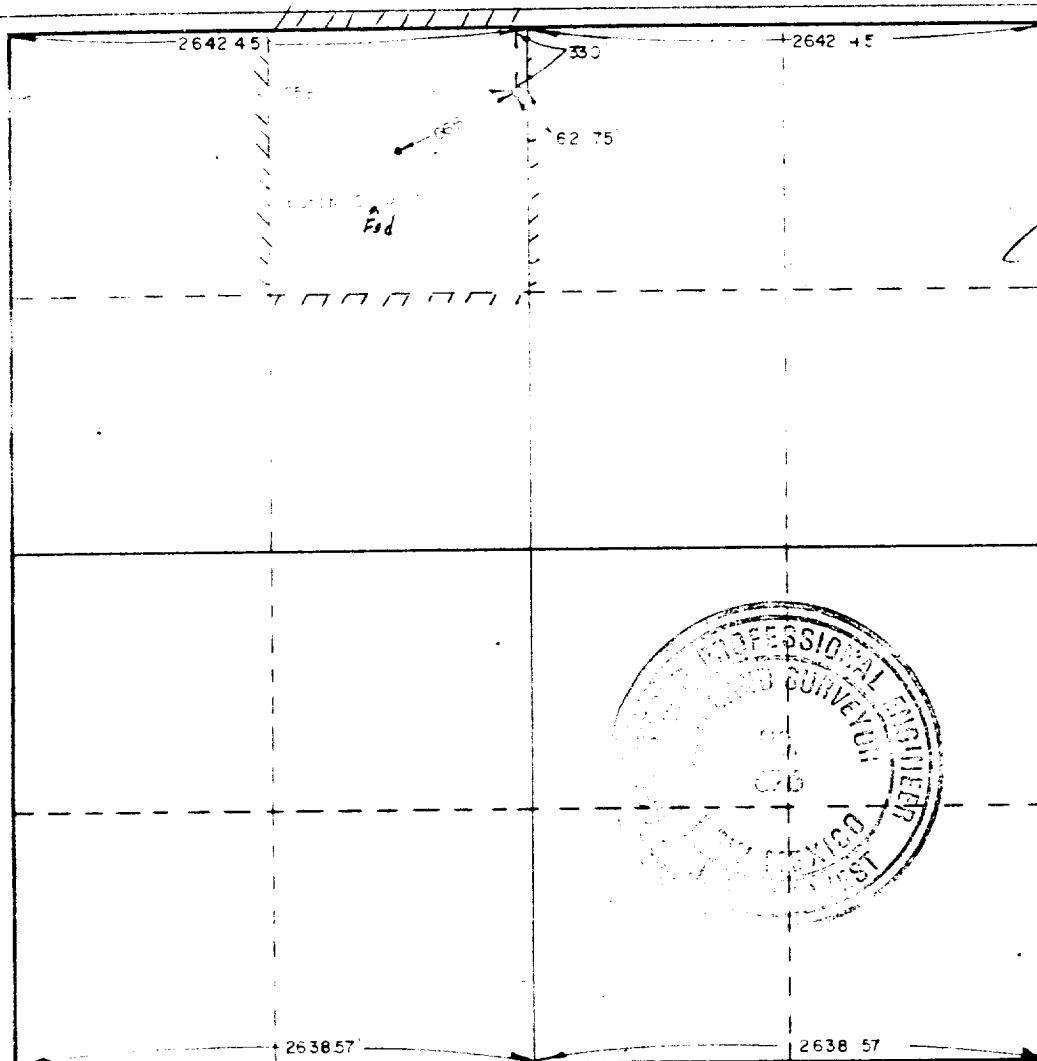
Operator <b>PHILLIPS OIL CO.</b>			Lease <b>BURCH C FED.</b>		Well No. <b>45</b>
Map Letter <b>C</b>	Section <b>23</b>	Township <b>17 SOUTH</b>	Range <b>29 EAST</b>	County <b>EDDY</b>	
Actual Postage Location of Well: <b>330</b> feet from the <b>NORTH</b> line and <b>2580</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3602.8</b> (Unprepared)	Producing Formation <b>SR-Q-GB-SA</b>		Pool <b>Grayburg-Jackson</b>		Dedicated Acreage: <b>40</b> Acres

- 1 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  
 This well shares 40 acre proration unit with Burch C Fed Well #17
- 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 acreage 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*  
**W.J. Mueller**

**Sr. Engineering Specialist**

**Phillips Oil Company**

**January 16, 1985**

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.

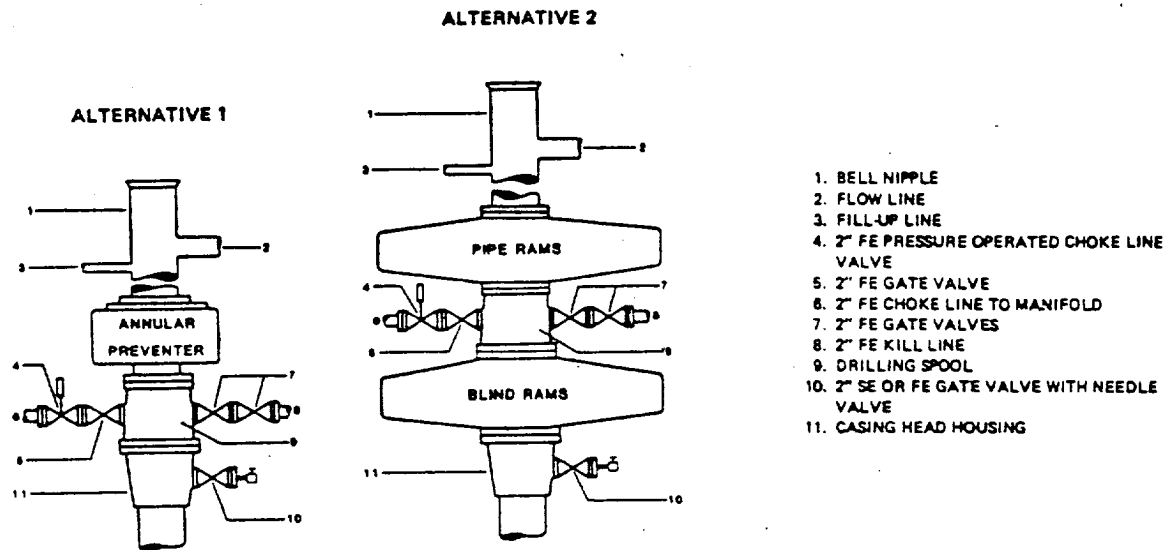
Date Surveyed

**November 17, 1984**

Registered Professional Engineer  
 and Licensed Surveyor

*John W. West*  
 Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**

## FIELD PRACTICES AND STANDARDS



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

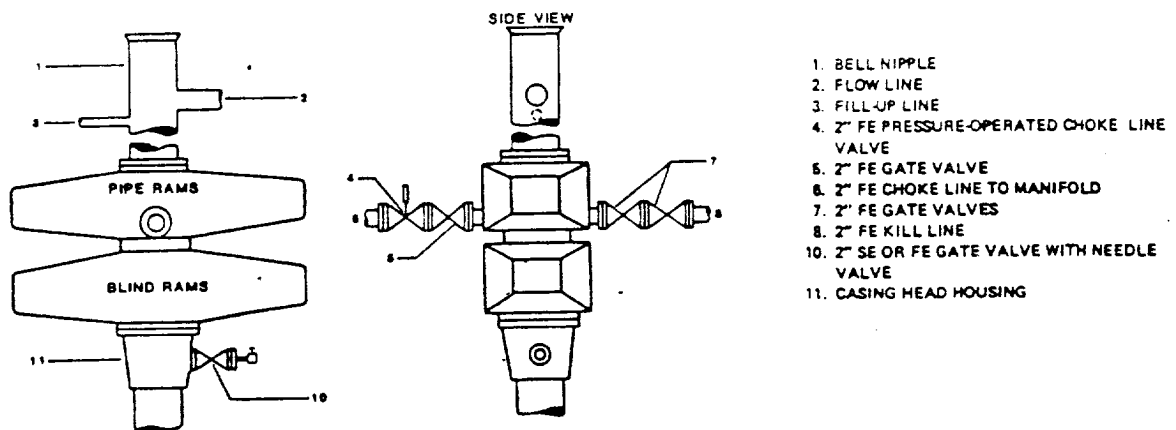


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly  
(2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)



PHILLIPS OIL COMPANY  
BURCH-C FED LEASE WELL NO. 45, LC-208793-C  
SECTION 23, T-17-S, R-29-E, EDDY COUNTY, NEW MEXICO

DRILLING PROGNOSIS

1. Location of Proposed Well: 330' FNL & 2580' FWL of Section 23, T-17-S, R-29-E.
2. Unprepared Ground Elevation: 3602.8.
3. The geologic name of the surface formation is Tertiary.
4. Type of drilling tools will be Rotary.
5. Proposed drilling depth is 3500'.
6. The estimated tops of important geologic markers are as follows:

Dewey Lake	190'	Grayburg	2170'
Rustler	240'	Loco Hills	2290'
Salt	340'	Metex	2410'
Yates	930'	San Andres	2530'
Seven Rivers	1220'	Lovington	2620'
Queen	1830'		

7. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Water:	<u>190-310</u>
Oil & Gas:	<u>2250-TD</u>

8. The proposed casing program is as follows:

Surface String 8-5/8", 24 #/ft, K-55, ST & C set @ 350'  
Production String 4-1/2", 11.6 #/ft, N-80, LT & C set @ 3500'

9. Cement Program:

Surface String = Circ to surface with 350 sk of Class "C" + 2% CaCl<sub>2</sub> mixed @ 14.8 ppg with 6.3 gals water/sk to yield 1.32 cf/sk. WOC a total of 18 hrs. (minimum) prior to testing csg to 600 psi for 30 mins. and drilling out.

Production String = Run stage tool @ + 2000'. Circ. to surface in two stages using caliper volume plus 30% excess.

First Stage: Use Class "C" + 5 #/sk salt mixed @ 14.8 ppg with 6.3 gals. water/sk to yield 1.32 ft<sup>3</sup>/sk. Circ. stage tool ± 4 hrs.

Second Stage: Use TLW + 10% Diacel D + 10% salt + 1/4 #/sk cellophane mixed @ 11.8 ppg with 12.45 gals. water/sk to yield 2.19 ft<sup>3</sup>/sk followed by 400 sk Class "H" cmt. + 5 #/sk salt + 2% CaCl<sub>2</sub> + 0.3% friction reducer mixed @ 17.0 ppg with 3.93 gals. water/sk to yield 1.04 ft<sup>3</sup>/sk.

