

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
SUBMIT IN TR. CATE*

(Other instructions on reverse side)

AUG 29 1984

O. C. D.

Form approved.
Budget Bureau No. 42-B1425.

30-115-24976

5. LEASE DESIGNATION AND SERIAL NO.

LC-028784-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 Oil Company ✓

3. ADDRESS OF OPERATOR

4001 Penbrook St., Odessa, TX 79762

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

At surface

(Unit P) 660' FS & 660' FE line

At proposed prod. zone

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keely-C Fed

9. WELL NO.

58

10. FIELD AND POOL, OR WILDCAT

Grayburg-Jackson
(SR-QGB-SA)11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 25, T-17-S, R-29-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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

3 miles SE of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

1440

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

1320'

19. PROPOSED DEPTH

3200'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3588.5 (unprepared)

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 1/4	8 5/8	24#.K-55	360' (350sk Class C w/2% CaCl ₂ circ to surface	
7 7/8	6 5/8	11.6#. N-80	3200' (1st stage; circ to surface caliper	
			volume +30% excess	
			(2nd stage - TLW, 10% Diacel, D, 10#/sk	
			salt; & 1/4#/sk cellophane, mixed @	
			11.8 ppg w/12.45 gals. wtr/sk to yield	
			2.19 cf/sk, followed by 400 sk class H	
			cmt, 5#/sk salt, 1/4#/sk cellophane	
			2% CaCl ₂ + 1/4#/sk cellophane 0.3%	
			friction reducer, mixed @17.0 ppg	
			w/3.93 gals wtr/sk to yield 1.04 cf/sk.	

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

Mud: Proposed detail mud program 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.

SIGNATURE

W. J. Mueller

TITLE

Sr. Engineering Specialist

DATE

8-16-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

AREA MANAGER

TITLE CARLSBAD RESOURCE AREA

DATE

8-28-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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 OIL CO.			Lease KEELY "C" FED.		Well No. 58
Section Letter P	Section 25	Township 17S	Range 29E	County EDDY	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 660 feet from the SOUTH line and 660 feet from the EAST line </div>					
Ground Level Elev. 3588.5	Producing Formation SR-Q GB-SA	Pool Grayburg Jackson (SR-Q GB-SA)		Dedicated Acreage: 40 Acres	

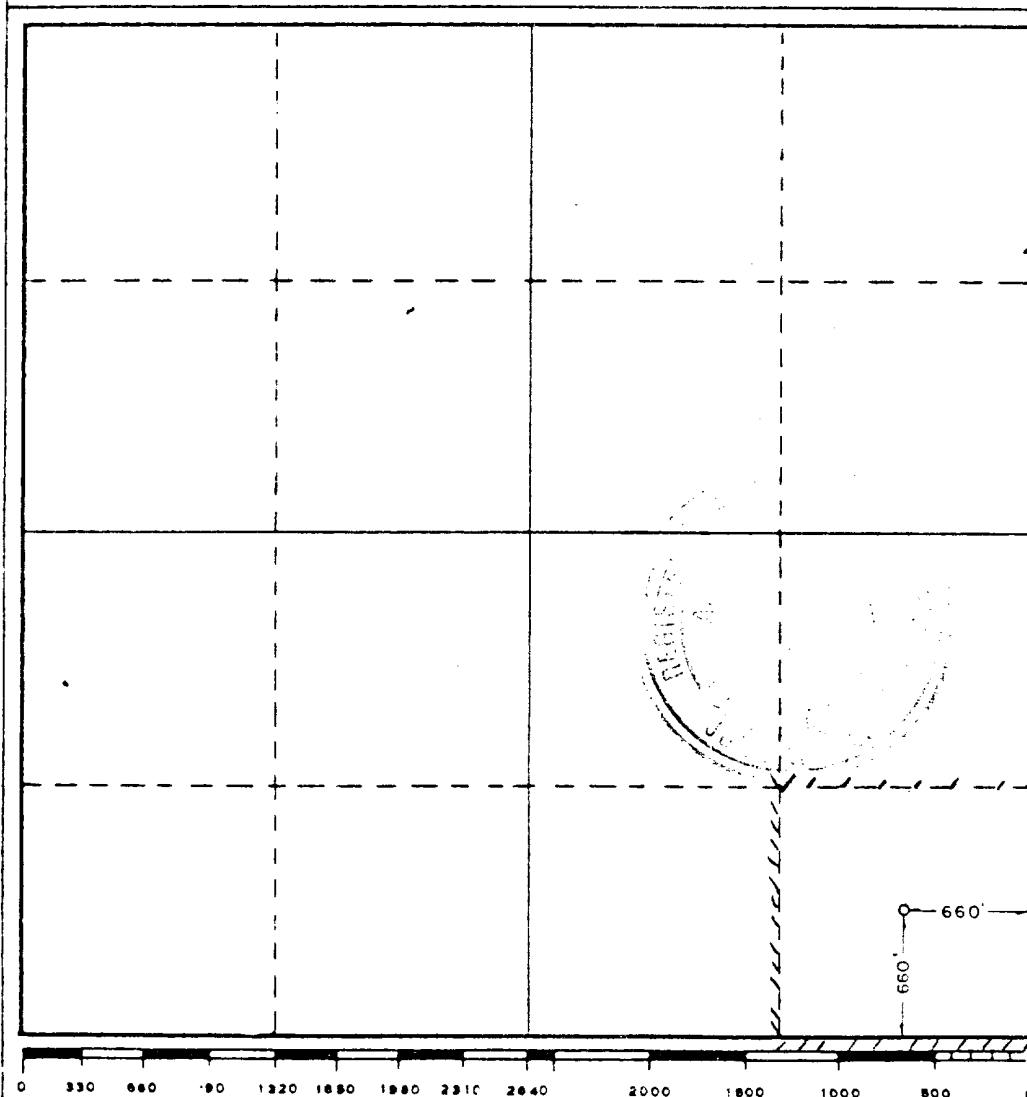
Unprepared

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.

[Signature]

W.J. Mueller

Position

Sr. Engineering Specialist

Company

Phillips Oil Company

Date

8-16-84

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

7/19/84

Registered Professional Engineer and/or Land Surveyor

[Signature]

Certificate No **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239

BLOWOUT PREVENTER REQUIREMENTS

Well Name: Keely-C Fed #58

I. Blowout preventer equipment, installation, testing and responsibilities will be in accordance with Phillips Oil Company's Blowout Preventer Standards.

II. Figure Nos. 7-9 or 7-10 (Drawing Attached): Casing String 8 5/8
BOP Size 10" or 12"; Working Pressure 3000 psi

III. Equipment to be furnished by Contractor:

A. Ram Type BOPs:

1. No. Required 2
2. Acceptable Manufacturers & Types
 - a. Cameron Iron Works: QRC; F; SS; U
 - b. Shaffer Tool Works: B; E; LWS; LWP
 - c. Hydril

B. Annular Type BOPs:

1. No. Required 0
2. Acceptable Manufacturers & Types
 - a. Hydril - GK
 - b. Shaffer - Spherical
 - c. Cameron - D

C. Preventer Operating Equipment

1. Hydraulic Pump - air, steam or electrically operated of sufficient volume and pressure capacity to close the largest ram type preventer in less than 30 seconds. Electrically operated pump must be equipped with explosion proof motor and controls.
2. Manifold with a control valve for each preventer.
3. A Hydril or equivalent regulator for each annular type preventer.
4. Accumulator of sufficient volume and pressure capacity to close all preventers in the assembly without recharging. If the pump in C.1. is incapable of recharging the accumulator in excess of 1500 psi, a separate pump capable of this is to be furnished.
5. Remote control panel with a station for each preventer control valve.
6. Steel piping to connect hydraulic closing units to preventers.
7. Choke manifold with seamless steel piping and flanged or clamp hub connections. Choke manifold assembly and piping sizes as specified, on the attached drawing. All working lines, except hydraulic closing lines, shall have flanged or clamp hub connections to preventers, spools and casing heads.
8. Full opening drill string safety valve (I.D. equal or larger than I. D. of tool joint in use). Working pressure to equal or exceed specified BOP working pressure. O.D. and configuration such that valve can be run in the hole with adequate clearance.
9. Full opening upper Kelly cock. Working pressure to equal or exceed specified BOP working pressure.

REG3, BLOWOUT

III. C. (continued)

10. Hydraulic pump of sufficient pressure rating to test preventer assembly to rated working pressure with necessary hose and fittings to connect the pump to drill pipe box or safety valve pin.
11. Drilling spool for use with single ram type preventers or with dual ram type preventers which do not have outlets between the rams.
12. Two valves on each side of drilling spool or dual preventers, one side for choke manifold connection and the other for kill line connection.
13. Hand wheels and extensions for manual operation of the ram type preventers. U-joints, extension guides, working platform(s) as necessary.
14. A 1" - 5000 psi WP plug valve on the closing side of the annular type preventer using a XXE 1" x 4" nipple.
15. Flowlines from choke manifold to pits.
16. Pressure gauge with pressure range at least equivalent to BOP WP.

IV. Equipment to be Furnished by Phillips:

- A. Test plug to seat in casing head.
- B. Remote controlled chokes, if installed.
- C. Casinghead with valves on outlets.
- D. Inside blowout preventer, if required.
- E. Mud-gas separator, if required, and necessary piping.

V. Location of Equipment & Controls:

- A. Remote control panel on the rig floor adjacent to drillers position and stairway exit from the floor.
- B. Accumulator-Hydraulic Control Valve Unit to be placed minimum of 50 feet from well bore in easily accessible location.
- C. Choke Manifold located 5 feet or more from the BOPs with minimum number of turns in the run.
- D. Manual closing facilities installed so handwheels are outside the substructures in unobstructed location. U-joints, extension guides and working platforms installed as necessary for proper and safe operation.
- E. Choke Manifold connection, where possible, is to be made between the two bottom ram type preventers through use of a drilling spool or by connecting between rams of dual type units with outlets so installed.
 1. On dual type preventers where outlets are not installed between rams, connection is to be made to a drilling spool installed between the ram type and annular type preventers.

V. (Continued)

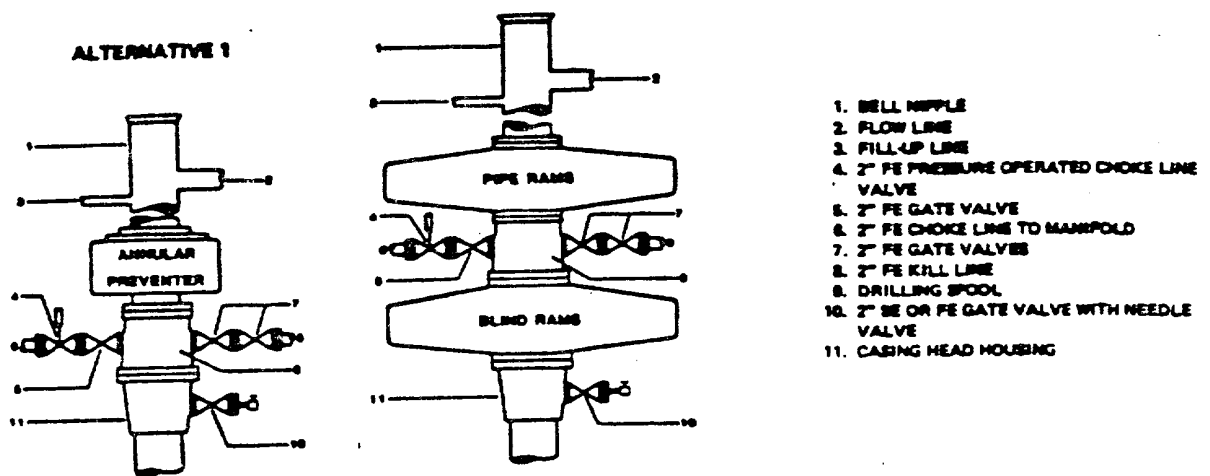
- F. Position and Type Rams will be as shown on the attached drawing.
- G. Fill up line to be tied into the bell nipple above annular preventers.
- H. Safety Valve, open with connections and/or subs available to fit any tool joint in use, shall be on the rig floor at all times.

VI. Testing

- A. Initial Installation Test
Immediately after installation, each component part of the blowout preventer assembly including choke lines, valves and closing facilities will be tested individually by steps as outlined in the Blowout Preventer Testing Procedure section of Phillips' Blowout Preventer Standards. The test pressure will be at the working pressure specified in Item II. All components must be satisfactorily tested before drilling out.
- B. Ram Change or Repair Test
 - 1. After each ram change or when any component part of the preventer assembly, including lines and valves, is disturbed, the disturbed portion is to be tested to working pressure specified in Item II.
 - 2. Installation of casing rams is not required for running casing.
- C. Weekly Pressure Test
The first trip out of the hole after 12:01 AM, Tuesday, weekly test will be performed as outlined in the Blowout Preventer Testing Procedure which includes testing the entire assembly with water to 1/2 the specified working pressure for 10 minutes. The Kelly cock and safety valve are to be tested to the specified working pressure. The weekly test is not required where the test falls within three days after the initial installation test.
- D. Operational Test
Each preventer unit is to be closed and opened on each trip or at least once each 48 hours (trip is not required just to actuate blind rams or pipe rams that do not fit top section of tapered string).

VII. Responsibilities

- A. Contractor is to install and test the blowout preventer assembly as specified.
- B. The driller is to check and record the accumulator pressure on the daily drilling report at the beginning of each tour.
- C. Expense of rig time and pressure testing services for initial and weekly tests will be borne by:
 - 1. Contrator while on footage contract.
 - 2. Owner while on daywork contract.



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)

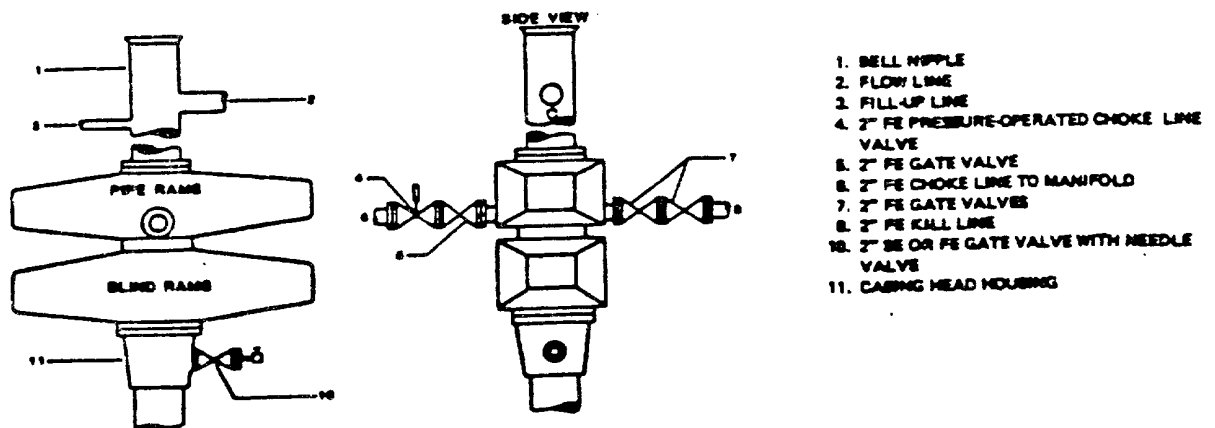


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly
(2 M or 3 M Working Pressure) Alternative (without Drilling Spool)

SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Keely-C Fed LEASE WELL NO. 58, DM LC-028784-C
SECTION 2, T- 17-S, R- 29-E, Eddy COUNTY, N. MEX.

[illegible]

[illegible]