

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

Drawer DD
Artesia, NM 88210

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved. *C/SF*
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT API No. 30-

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 (915) 367-1204

D.J. Fisher
1625 W. Marland
Hobbs, 393-5121

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

330' FSL & 660' FEL

At proposed prod. zone

330' FSL & 660' FEL

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

2 mi. West from Loco Hills, NM

10. DISTANCE FROM PROPOSED*

5610' FSL

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

16. NO. OF ACRES IN LEASE

5484.17±

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. 660' S to #5

19. PROPOSED DEPTH

6900

20. ROTARY OR CABLE TOOLS

Rotary

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

GL 3610.8

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	54.5#	350	500 sk Class C w/2% Diace
11	8-5/8	24#	3500	Caliper + 20% excess*
7-7/8	5-1/2	15.5# & 14#	6900	Tie back to intermediate w/ caliper volume + 20% excess**

*Lead - Class C + 20% Diace D + 23#/sk salt
Tail - 300 sk Class C Neat

**Lead - Class C + 20% Diace D
Tail - Class C Neat

Only other well located within this quarter/quarter section is the Keely Fed
Well No. 4 which is operated by Phillips Petroleum Company.

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

Eng. Supervisor, Reservoir

DATE

10/8/86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side



**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 Company			Lease Grayburg Deep Unit		Well No. 9
Unit Letter P	Section 24	Township 17 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 330 feet from the South line and 660 feet from the East line					
Ground Level Elev. 3610.8	Producing Formation Abo		Pool Undesignated Abo		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name **W.J. Mueller**

Position
Eng. Supervisor, Reservoir

Company
Phillips Petroleum Co.

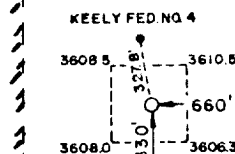
Date
10/7/86

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.

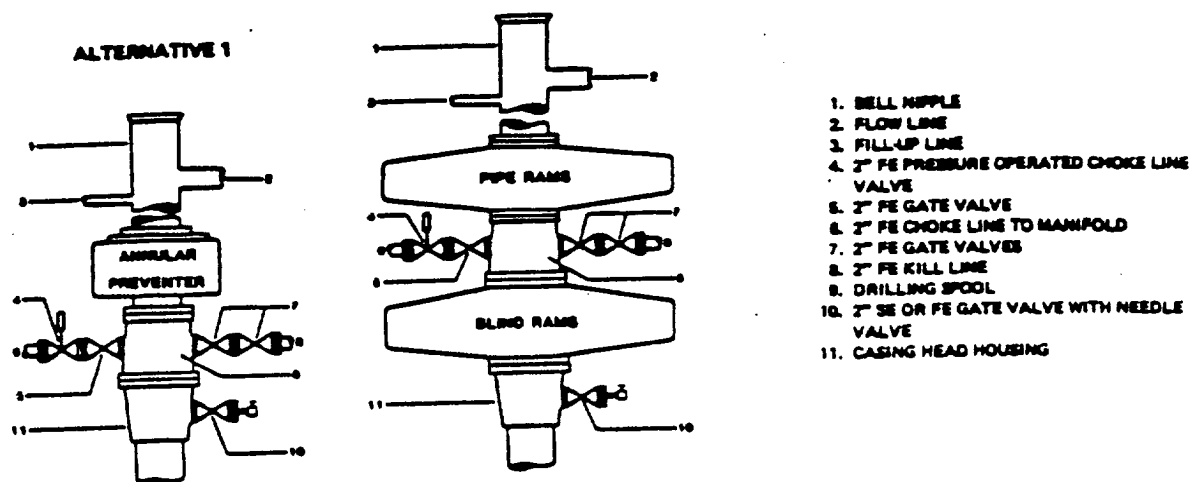
Date Surveyed
September 11, 1986

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST, 676**
RONALD L. ELLISON 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)

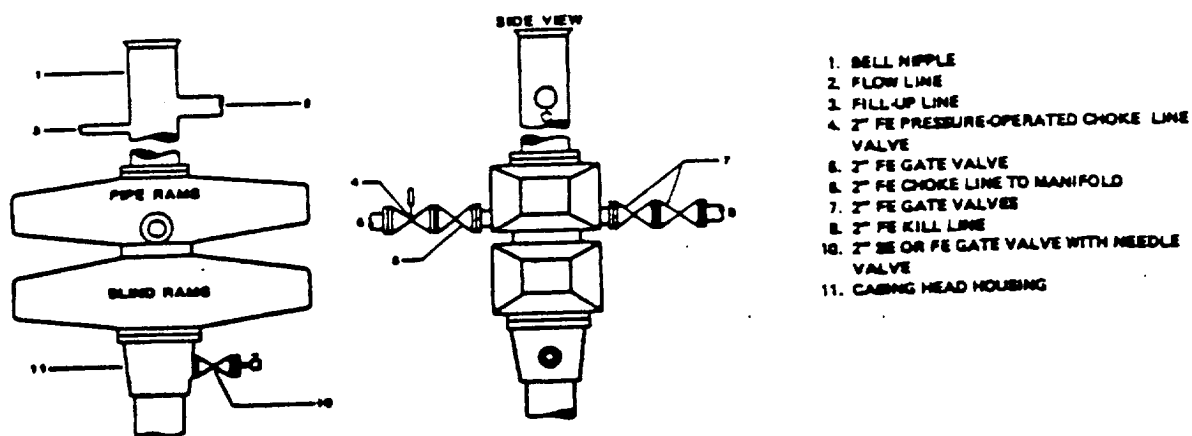


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative (without Drilling Spool)

PHILLIPS PETROLEUM COMPANY

Grayburg Deep Unit Lease - Well NO. 9, LC 028784-A

DRILLING PROGNOSIS

1. Location of Proposed Well: 330' FSL & 660' FEL of Section 24, T-17-S, R-29-E, Eddy County, N.M.
2. Unprepared Ground Elevation: 3610.8'
3. The geologic name of the surface formation is Typic Torripsammont subgroup/Kermit Berino Series.
4. Type of drilling tools will be rotary.
5. Proposed drilling depth is 6900'.
6. The estimated tops of important geologic markers are as follows:

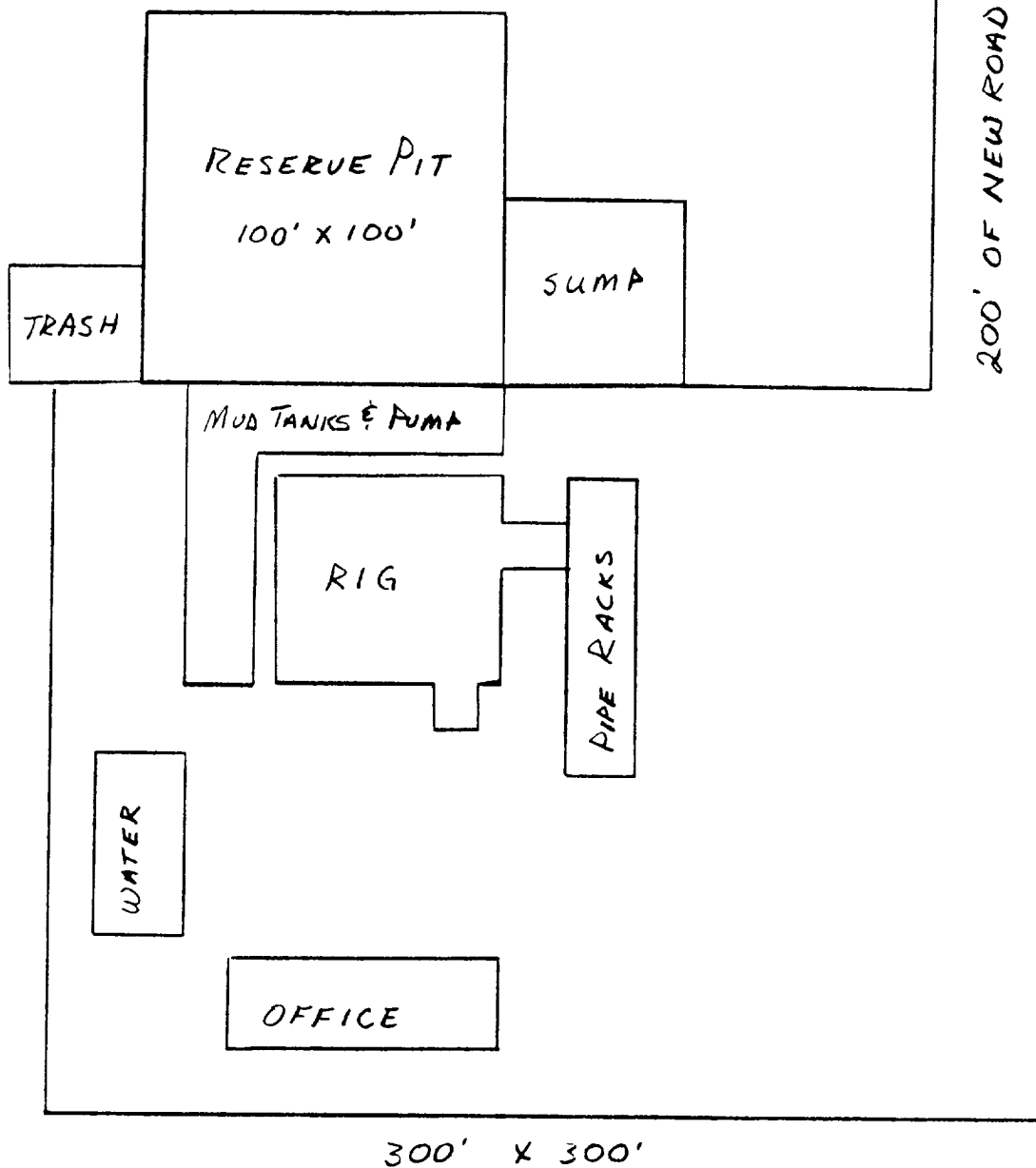
Rustler	200'	San Andres	2709'
Salt	440'	Glorieta	4129'
Tansill	988'	Tubb	5850'
Yates	1019'	Abo	6450'
Queen	1989'	Abo Reef	6553'



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

Water:	Fresh water - none
	Salt water - 1989'
Oil & Gas:	Grayburg - 2350'
	San Andres - 2709'
	Abo - 6553'

8. The proposed casing program is as follows:
Surface String 13-3/8" 54.5 #/ft. K-55, ST&C set @ 350'
Intermediate Casing 8-5/8, 24 #/ft. K-55 ST&C set @ 3500'
Production String 5-1/2, 15.5 & 14 #/ft. K-55 ST&C set @ 6900'
9. Cement Program:
Surface String = Circulate to surface W/500 sk Class C cmt W/2% CaCl₂.
(Slurry weight 14.8 ppg, yield 1.32 cu ft/sk W/6.3 gal wtr/sk.) WOC 18 hrs. Test csg. to 1000 psi for 30 min.

Intermediate String = Run fluid caliper prior to reaching csg point. Use caliper plus 20% excess. If water flow is encountered, perform the cmt. job at maximum rate, then close 8-5/8" csg. rams for 6 hrs.
Lead: Class C + 20% Diacel D + 20 #/sk salt (Slurry weight 12.6 ppg, yield 2.82 cu ft/sk W/15.5 gal. wtr/sk)
Tail: 300 sk Class C neat (Slurry weight 14.8 ppg, yield 1.32 cu ft/sk, 6.3 gal wtr/sk). WOC 18 hrs. Test csg. to 1000 psi for 30 min.



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS		9-29-80			
FOR APPR					
FOR CONST					
DRAWN		EG			
CHECKED					
APP'D					
 PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA				JA NO. FILE CODE	
<u>GRAYBURG DEEP No 9</u> 330' FSL & 660' FEL, SEC 24, T17S, R29E EDDY COUNTY, NEW MEXICO				AFE NO. SCALE NONE	
				DWG NO. SH NO.	