

OIL CONSERVATION DIVISION

Form C-101
Revised 10-1-78

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OPERATOR		

API No. 30-025-

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-2229

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐						7. Unit Agreement Name	
b. Type of Well Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone ☐						8. Farm or Lease Name Philmex	
2. Name of Operator Phillips Petroleum Company						9. Well No. 23	
3. Address of Operator 4001 Penbrook Street, Odessa, Texas 79762						10. Field and Pool, or Wildcat Vacuum Gb/SA	
4. Location of Well Unit Letter <u>P</u> Located <u>460 feet</u> From the <u>South Line</u> And <u>660</u> Feet From The <u>East</u> Line of Sec. <u>26</u> TWP. <u>17-S RGE 33-E NMPM</u>							
12. County Lea							
						19. Proposed Depth 4900'	
						19A. Formation Grayburg/SA	
						20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4125.5' GR (Unprepared)		21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Will advise later		22. Approx. Date Work Will Start Upon approval	
23. PROPOSED CASING AND CEMENT PROGRAM							
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP		
12-1/4"	8-5/8"	24 # K-55	1500'	1000 sx "C", 2% CaCl ₂	Surface		
7-7/8"	5-1/2"	15.5# K-55	4800'	Caliper Volume	Surface		

(Plus 30% excess. Lead: 50-50 Pozmix ("H") w/6% bentonite and 5% salt. Tail w/400 sx Class "H" w/5% salt.

Use mud additives as required for control.

BOP EQUIP: Series 900, 3000# WP (See attached schematic - Figure 7-9 or 7-10.

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. Give blowout preventer program, if any.

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

SIGNED W. J. Mueller W. J. Mueller

TITLE **Engineering Supervisor, Resv.**

DATE September 17, 1987

ORIGINAL SIGNED BY JERRY SEXTON
APPROVED BY DISTRICT SUPERVISOR

TITLE

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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N. MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-85

All distances must be from the outer boundaries of the Section

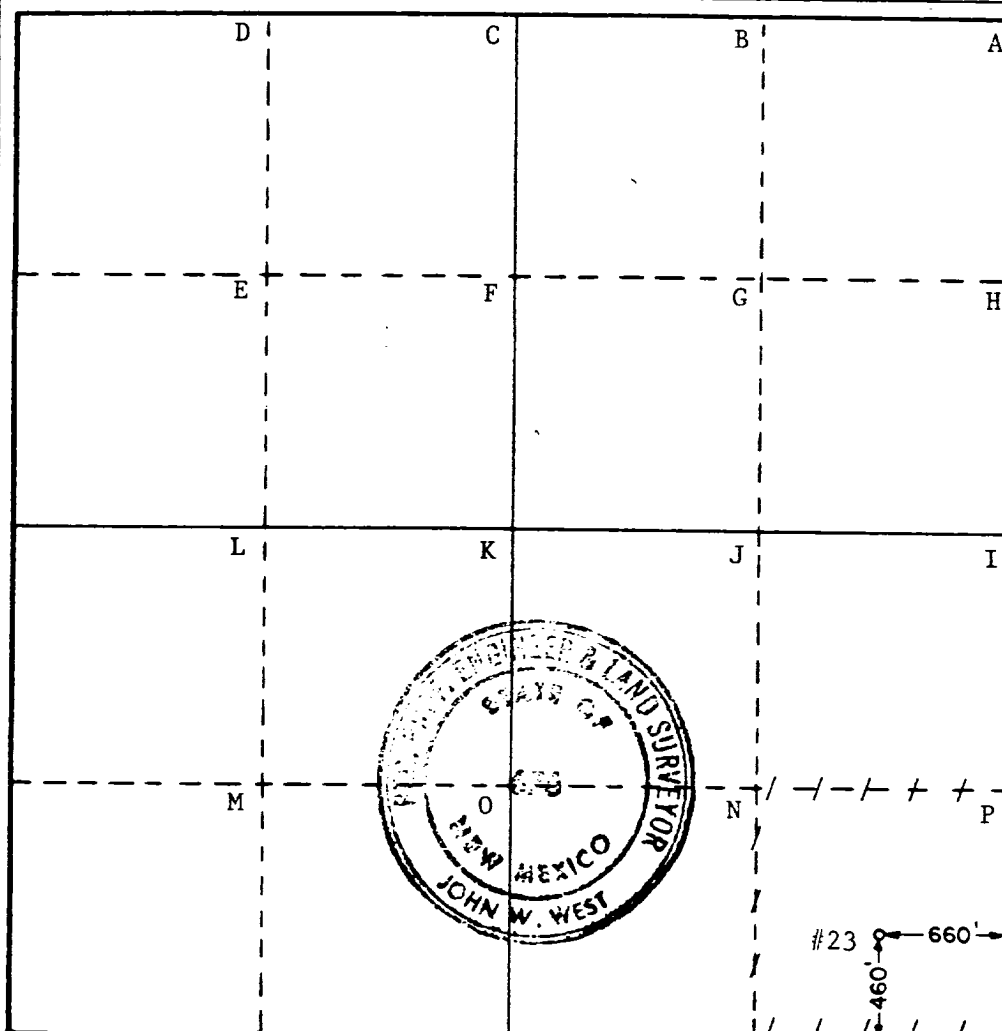
Operator PHILLIPS PETROLEUM CO.			Lease PHILMEX		Well No. 23
Unit Letter P	Section 26	Township 17 SOUTH	Range 33 EAST	County LEA	
Actual Footage Location of Well: 460 feet from the SOUTH line and 660 feet from the EAST line					
Ground Level Elev. 4125.5	Producing Formation Grayburg-San Andres	Pool Vacuum-Grayburg/San Andres		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 Engineering Supervisor, Resv.
 Company Phillips Petroleum Company
 Date September 23, 1987

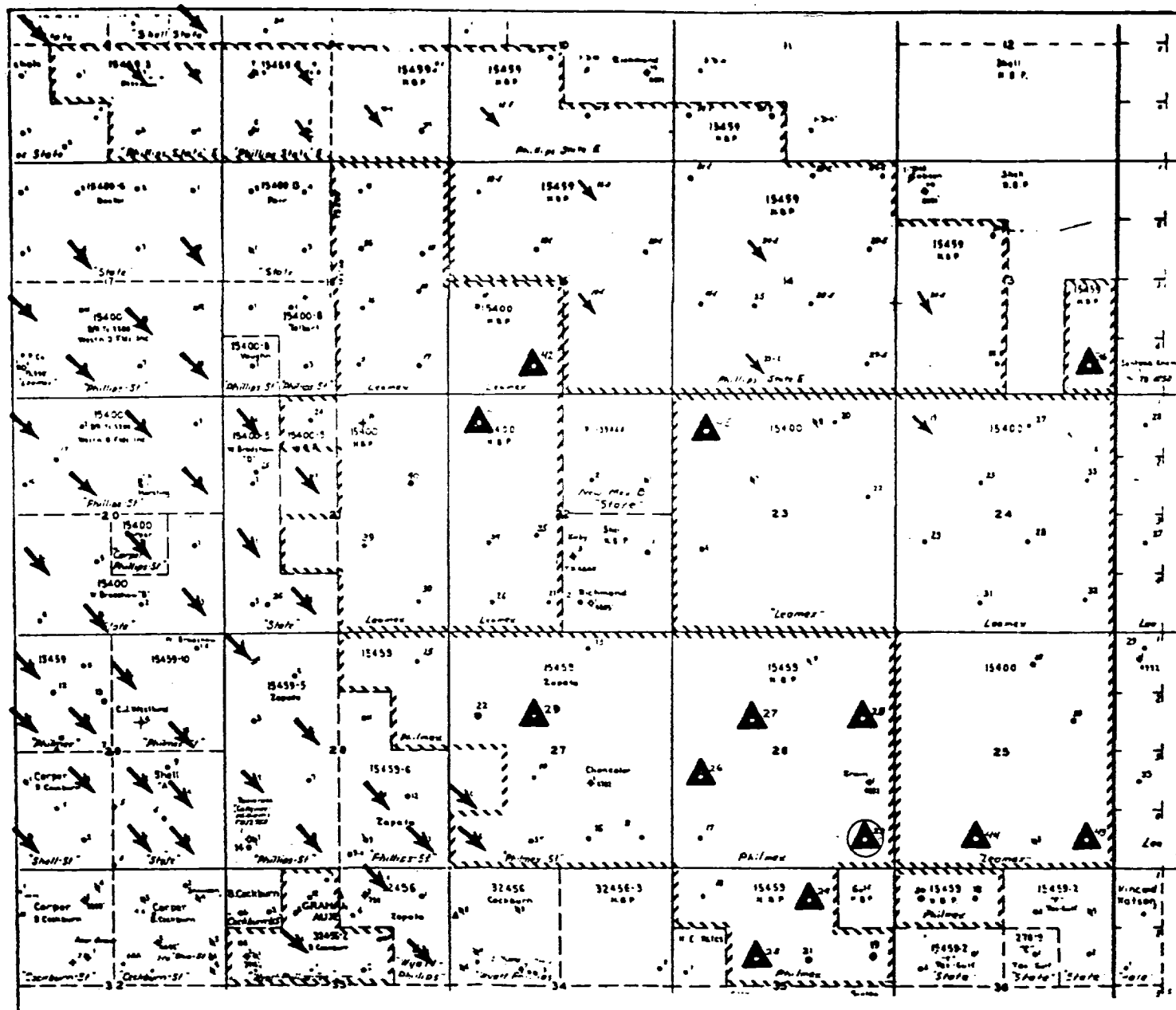
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
AUGUST 24, 1987

Registered Professional Engineer and/or Land Surveyor

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON 3739

98590



Existing Injector



PHILLIPS PETROLEUM COMPANY

Leamex Lease

Phillips E State Lease

Phillips A Federal Lease

Wyatt A Federal Lease

Maljamar Waterfloods
Lea County, New Mexico

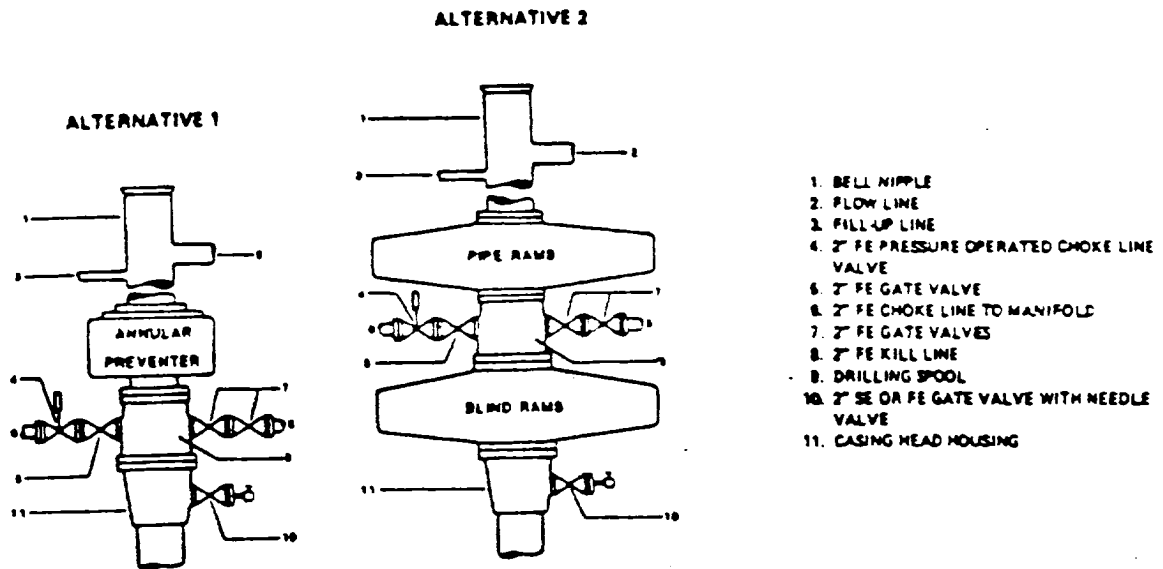
New Well Location



0 2000' 4000'
SCALE

NOTE: Any existing wells contained within quarter-quarter section of proposed new well are operated by Phillips Petroleum Company.

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

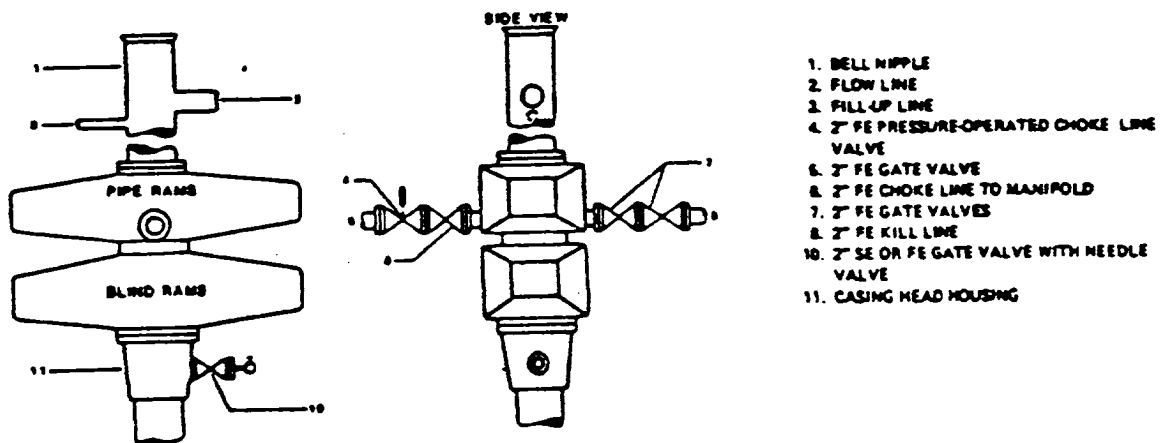


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

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173

WRS COMPLETION REPORT

COMPLETIONS
PI# 30-T-0006 03/21/88 SEC 26 TWP 17S RGE 33E
30-025-30067-0000 PAGE 1

NMEX LEA * 460FSL 660FEL SEC SE SE
STATE COUNTY FOOTAGE SPOT
PHILLIPS PET OPERATOR D DO
23 WELL NO. PHILMEX WELL CLASS INIT FIN
4133KB 4124GR LEASE NAME
OPER ELEV

VACUUM
FIELD/POOL AREA
API 30-025-30067-0000
PERMIT OR WELL I.D. NO
12/28/1987 02/07/1988 ROTARY
SPUD DATE COMP DATE TYPE TOOL
4900 GRBG-SAD ARTESIA FSHG TOOL 2 OIL
PROJ. DEPTH PROJ. FORM CONTRACTOR STATUS
DTD 4800 PB 4718 RIG SUB 8
DRILLERS T.D. LOG T.D. PLUG BACK TO HOLD T.D. FM/TD SN ANDRS
LOCATION DESCRIPTION

8 MI SE MALJAMAR, NM

CASING/LINER DATA

CSG 8 5/8 @ 1471 W/ 1000 SACKS
CSG 5 1/2 @ 4800 W/ 1600 SACKS

TUBING DATA

TBG 2 7/8 AT 4650

INITIAL POTENTIAL

IPP 75BOPD 101 MCFD 81BW 24HRS
GRAYBURG PERF W/ 2/FT 4214- 4518 GROSS
SN ANDRS PERF W/ 2/FT 4560- 4637 GROSS
GTY 37.6 GOR 1334
FIELD /RESERVOIR

PERF W/202 SHOTS TOTAL
COMMINGLED /GRAYBURG-SAN ANDRES

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER	1438	2695	
LOG	SALT	1593	2540	2957 1176
LOG	QUEEN	3782	351	
LOG	GRAYBURG	4167	-34	
LOG	SN ANDRS	4518	-385	

CONTINUED IC# 300257030387

Petroleum Information

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PI-WRS-GET
Form No 187

COMPLETIONS
PI# 30-T-0006 03/21/88 SEC 26 TWP 17S RGE 33E
30-025-30067-0000 PAGE 2

PHILLIPS PET
23

PHILMEX

D DO

PRODUCTION TEST DATA

PTS 16BO
GRAYBURG PERF
SN ANDRS PERF
PERF 4214- 4216 4242- 4244 4305- 4310 4214- 4518 GROSS
PERF 4344- 4346 4350- 4354 4388- 4390 4560- 4637 GROSS
PERF 4448- 4451 4470- 4476 4483- 4485 4312- 4314
PERF 4512- 4518 4560- 4604 4623- 4637 4428- 4431
ACID 4214- 4637 10100GALS 4494- 4498
15% NEFE HCL
SWFR 4214- 4637 94000GALS 182000LBS SAND ADDTVGELA

X-LINK 2% KCL 20/40 MESH
PERF W/202 SHOTS TOTAL
COMMINGLED

PTP 49BOPD
GRAYBURG PERF
SN ANDRS PERF
PPD 49 BO + 138 BLW IN 24 HRS
COMMINGLED

PTP 72BOPD
GRAYBURG PERF
SN ANDRS PERF
PPD 72 BO + 81 BLW IN 24 HRS
COMMINGLED

PTP 75BOPD
GRAYBURG PERF
SN ANDRS PERF
COMMINGLED

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS 2500- 4800 DLL 2500- 4800 MSFL 2500- 4800 GR
LOGS 2500- 4800 CAL 2500- 4800 CNL 2500- 4800 LDT
LOGS 0- 2500 CNL 0- 2500 GR 3500- 4718 GR
LOGS 3500- 4718 CCL

DRILLING MEDIA /TYPE,DEPTH/

884 9.5

PPG

CONTINUED

COMPLETIONS
PI# 30-T-0006 03/21/88 SEC 26 TWP 17S RGE 33E
30-025-30067-0000 PAGE 3

PHILLIPS PET
23 PHILMEX D DO

DRILLING PROGRESS DETAILS

PHILLIPS PET
4001 PENBROOK RM 401
ODESSA, TX 79762
915-367-1266
09/29 LOC/1987/
12/29 DRLG 884 (RD BDS), VIS 31
01/14 4800 TD, WOCT
01/26 4800 TD, PB 4718, RNG RODS
02/01 4800 TD, PB 4718, TOP
02/03 4800 TD, PB 4718, TSTG
02/09 4800 TD, PB 4718, WOPT
02/16 4800 TD, PB 4718, WOPT
03/14 TD REACHED 01/07/88 RIG REL 01/08/88
4800 TD, PB 4718
COMP 2/7/88, IPP 75 BO, 101 MCFG, 81 BWPD,
GOR 1334, GTY 37.6
PROD ZONE - GRAYBURG-SAN ANDRES 4214-4637
(COMMINGLED)
NO CORES OR DSTS RPTD