

District I
PO Box 1900, Hobbs, NM 88241-1900
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bruma Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator name and Address Phillips Petroleum Company 4001 Penbrook Street Odessa, TX 797962		² OGRID Number 017643
		³ API Number 30-025-33185
⁴ Property Code 9112	⁵ Property Name LEAMEX	⁶ Well Number 57

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	16	17-S	33-E		460	SOUTH	905	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
⁹ Proposed Pool 1 WILDCAT - SILURIAN									
¹⁰ Proposed Pool 2									

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S B-2148	¹⁵ Ground Level Elevation 4193' GL
¹⁶ Multiple	¹⁷ Proposed Depth 15,200'	¹⁸ Formations SILURIAN	¹⁹ Contractor ADVISE LATER	²⁰ Spud Date UPON APPROVAL

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	54.5# J-55	400'	420 SX	SURFACE
12-1/4"	8-5/8"	24# & 32# J-55	4650'	LEAD 1000 SX	SURFACE
				TAIL 300 SX	
7-7/8"	5-1/2"	17#, 20# & 23#	15,200'	1ST STG 800SX	14,500'
				2ND STG 550SX	9,000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

USE MUD ADDITIVES AS NEEDED FOR CONTROL

Mud Program Attached

BP Series 900 5,000# WP

(See attached schematic attached) Figure 2.5

ADDITIONAL CASING AND CEMENTING INFORMATION ATTACHED.

Permit Expires 6 Months From Approval.
Date Unless Drilled Out Away.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

L. M. Sanders

Printed name: **L. M. SANDERS**

Title: **SR. REGULATION ANALYST**

Date: **11/21/95**

Phone: **(915) 368-1488**

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY JERRY SEXTON**
DISTRICT I SUPERVISOR

Title:

Approval Date: **NOV 21 1995**

Expiration Date:

Conditions of Approval:

Attached ☐

NOV 1993
Received
Hobbs
ocd

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
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State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33185	Pool Code	Pool Name Wildcat - Silurian
Property Code 9112	Property Name LEAMEX	Well Number 57
OGRID No. 017643	Operator Name PHILIPS PETROLEUM COMPANY	Elevation 4193

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	17 S	33 E		460	SOUTH	905	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40 Ac.	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

905'

460'

OPERATOR CERTIFICATION

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

L. M. Sanders
Signature
L. M. Sanders
Printed Name
Sr. Regulation Analyst
Title
November 21, 1995
Date

SURVEYOR CERTIFICATION

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 belief.

OCTOBER 30, 1995

Date Surveyed
Signature & Seal of Professional Surveyor
Professional Surveyor
11-03-95
W.O. No. 95-41-1727

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
CARL EIDSON 12641

PROPOSED CASING & CEMENTING PROGRAM

LEAMEX WELL NO. 57

13-3/8", 54.5 lb/ft, J-55 Surface Casing Set at 400' - 17-1/2" Hole:

Circulate to surface with 420 sacks of Class "C" + 2% CaCl₂.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

8-5/8", 24 & 32 lb/ft, J-55 Intermediate Casing Set at 4650' - 12-1/4" Hole:

Lead: 1000 sx Halliburton Lite Class "C" + 18 lb/sx Salt + 1/4 Flocele
Desired TOC = Surface

Slurry Weight:	13.3 ppg
Slurry Yield:	1.94 ft ³ /sx
Water Requirement:	9.9 gals/sx

Tail: 300 sx Class "C" + 2% CaCl₂

Slurry Weight:	15.2 ppg
Slurry Yield:	1.38 ft ³ /sx
Water Requirement:	6.3 gals/sx

5-1/2", 17.0, 20.0, & 23 lb/ft, N-80 Production Casing Set at 15,200' - 7-7/8" Hole:

Set stage tool at approximately 11,500'.

1st Stage: 800 sx Class "H" + 0.75% Halad-22A + 0.5% HR-SL

Slurry Weight:	15.6 ppg
Slurry Yield:	1.18 ft ³ /sx
Water Requirement:	5.20 gals/sx

2nd Stage: 550 sx Class "H" + 0.75% Halad-22A
Desired TOC = 9000'

Slurry Weight:	15.6 ppg
Slurry Yield:	1.18 ft ³ /sx
Water Requirement:	5.2 gals/sx

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MUD PROGRAM
LEAMEX WELL NO. 57

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	% SOLIDS	ADDITIVES
Surf. - 400'	8.3 - 9.0 ppg	35 - 40 sec/1000 cc	-	-	-	Native Solids
400' - 4650'	9.6 - 10.0 ppg	29 - 34 sec/1000 cc	-	Cut Brine	-	Native Solids
4650' - 9800'	8.4 - 8.6 ppg	28 sec/1000cc	-	Fresh Water	-	Lime
9800' - 13700'	9.2 - 9.4 ppg	29 sec/1000cc	-	Cut Brine	-	Soda Ash, Flowzan/ Dirspac Plus
13700'-15200'	9.2 - 9.4	38 - 45 sec/1000 cc	8 - 10 cc	Cut Brine	-	Caustic Dirspac Plus -

The Mud Engineer shall include on each test report the materials used for the previous 24 hour period. Twice weekly mail copies of the test reports to:

L. E. Robinson
4001 Penbrook
Odessa, TX 79762

Send two copies of the Well Recap (Final Cost & Engineering Summaries) to L. E. Robinson at the above address.

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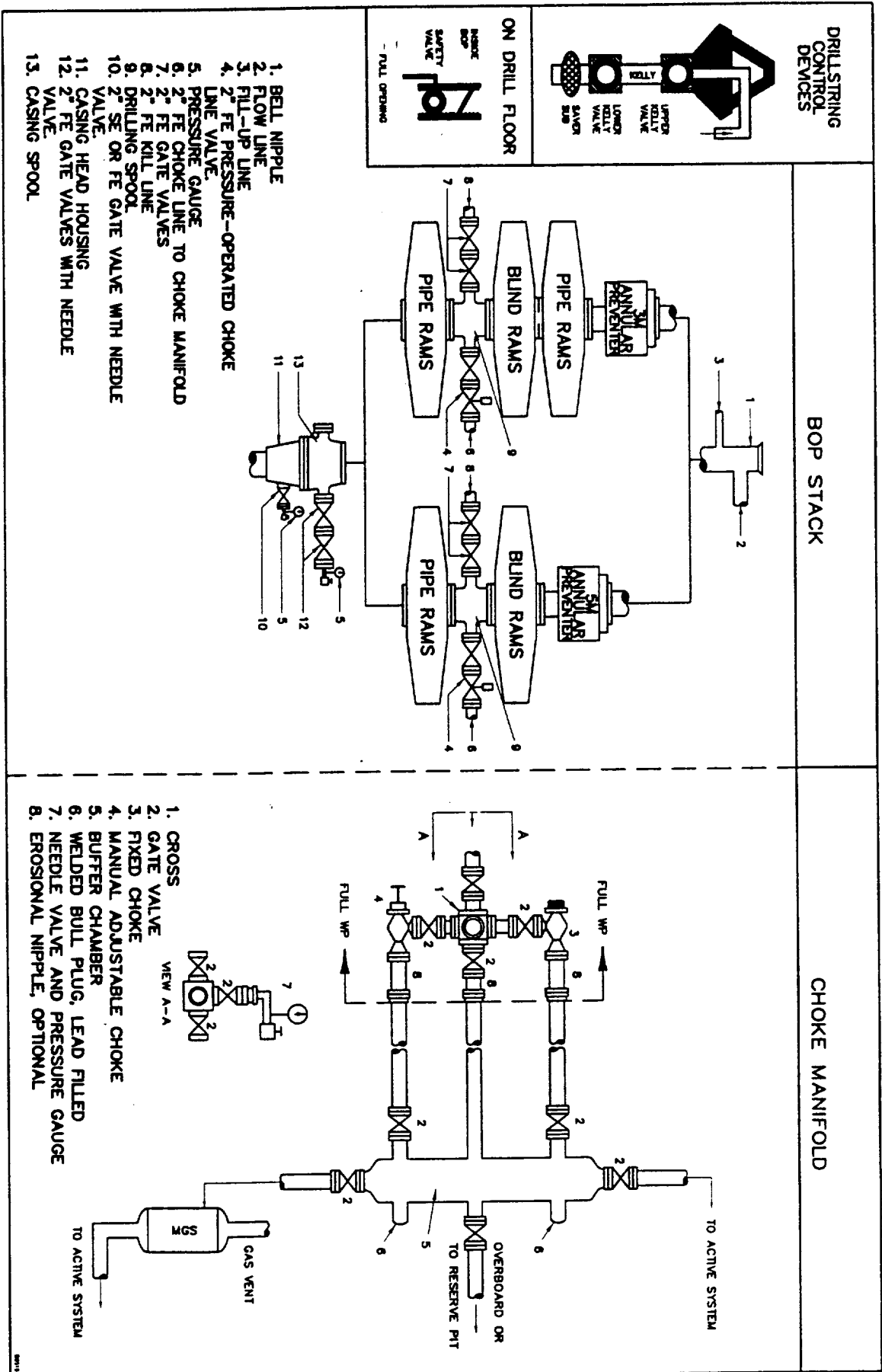


Fig. 2.5. Class 3 BOP and Choke Manifold.

6/12/4

