District Office State Lease — 6 copies Fee Lease — 5 copies	Energ	y, Minerals and Natural 1		nt.		Form C-101 Revised 1-1-89	
DISTRICT (P.O. Box 1980, Hobbs, N	OII.	CONSERVATION P.O. Box 20		VS WOY (CD on New Wells)	
DISTRICT II P.O. Drawer DD, Artesia		Santa Fe, New Mexico		5. Indicate	Type of Lea		
DISTRICT III 1000 Rio Brazos Rd., Az	sec, NM 87410	AMENDED			l & Gas Loss	STATE X FEE	
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN,	OR PLUG BACK	E-2064	! ????????		
b. Type of Well:	LL RE-ENTE	DEEPEN-	PLUG BACK	7. Leane N	ans or Unit	Agreement Name	
MET X MET	OTHER	SENCELE SCHIL	X MARTINE	South	Form T	akes Zinit	
2. Name of Operator				& Well No		ikes unor	
Phillips Pet	roleum Compan	у		12	• ,		
3. Address of Operator					ne or Wildcat		
4001 Penbroo	k St., Odessa	TX 79762			Four Lakes (Pennsylvanian)		
4. Well Location Unit Letter N Section 35	: <u>1250</u> Feet	.:	Line and 24		Prom The		
		10. Proposed Depth					
		10,600'	i -	1. Formation	•	12. Rotary or C.T.	
13. Elevations (Show wheth	er DF, RT, GR, etc.)	14. Kind & States Plug, Bond	15 20 5	Pennsylva		Rotary	
	(unprepared)	Blanket	15. Drilling Contra advise 1:	tor of ore		Date Work will strift	
17.	· · · · · · · · · · · · · · · · · · ·				upon	approval	
SIZE OF HOLE	SIZE OF CASING	ROPOSED CASING AN					
17-1/2"	13-3/8"	WEIGHT PER FOOT		37,151,155	CEMENT	EST. TOP	
12-1/4"	8-5/8"	48#	400'	700		Surface	
7-7/8"	5-1/2"	24# & 32#	4200′	1350		Surface	
4		15.5# & 17#	10600'	400 1st			
Change Well Mud program &	El # from	# 11 2 # 12	as origina				
program &	bor schemati	c attached.		**			

Unorthodox location set for hearing 8/6/92.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: PPROPOSAL IN TO ZONE. GIVE M.OWOUT PREVENTER PROGRAM PRAY:	DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONG AND PROPOSED NEW PRODUCTIVE
I hareby cartify that the information shops in high and complete to the heat of day innowled	
SECHATURE PAIN PROS	THE Supervisor, Reg. Affairs 9/1/92
TITE OF FRONT HAME I. M. Sanders	, ,
(Tigin space for State Use)	телетноме мо. 368-1488
ORIGINAL SIGNED BY JERRY SEXTON	NOV 1 9 '02
DISTRICT SUPERVISOR CONDITIONS OF APPROVAL, IF ANY:	NOV 1 2 '92

R-9755 NSL

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT II P.O. Drawer DD, Artemia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

000 Rto Brazos Rd., Aztec, NM 67410

All Distances must be from the outer boundaries of the section

Operator					30011011			
		JM COMPANY	Lease	SOUTH FOUR	LAKES	unit	Well No.	
Unit Letter Sect	ion	Township	Range			County		
N	35	11 SOUTH		34 EAST	NMPM	Í	LEA	
Actual Footage Location	of Well:							
1250 feet from	athe SOL	JTH line and	2450		feet from	the WES	Ine line	
Ground Level Elev.	Producing For		Pool	······································			Dedicated Acreage:	
4149.1'	PENNS	YL VANIAN	Four L	_akes (Penns _.	ylvani	an)	1 80	
1. Outline the acreage					-		Acres	
2. If more than one	 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization. 							
unitization, force-	pooling, etc.?		type of consolidation			s peen consor	udated by communitization.	
_								
If answer is "no" list this form necessary.	or owners an	d tract descriptions t	which have actually	been consolidated.	(Use reve	erse side of		
No allowable will be	assigned to	the well unit all in	iterests have been	consolidated (by	commur	itization. m	nitization, forced-pooling,	
otherwise) or until a	non-standar	d unit, eliminating s	uch interest, has b	een approved by t	he Divisi	02.		
						OPERAT	OR CERTIFICATION	
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						I karebu certif	y that the well location shown	
	LI	K	J		III		vas plotted from field notes of	
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2450'	MIN	—— - 9	οİ		_ []	Professional	ourveyor	
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						" En Po	HONALD J. EIDSON 3239	
0 330 660 990	1320 1650	1980 2310 2640	2000 1500	1000	— <u> </u>] ⊢	7,0	MARY C JONES 7977	
		1900 EGIO EGIO	2000 1500	1000 500	0		2元11.1.0977	
						Revi	sed 8/7/92	

PROPOSED CASING & CEMENTING PROGRAM

South Four Lakes Well No. 12

13 3/8" 48 1b/ft H-40 Surface Casing Set at 400' - 17 1/2" Hole:

Circulate to surface with 700 sacks of Class "C" + 2% CaCl₂.

Slurry Weight:

14.8 ppg_

Slurry Yield:

1.32 ft³/sx

Water Requirement:

6.3 gals/sx

8 5/8" 24 & 32 1b/ft K-55 Intermediate Casing Set at 4200' - 12 1/4" Hole:

Lead: 1200 sx Class "C" 65/35 Poz + 6% Bentonite + 5% Salt.

Slurry Weight:

Slurry Yield:

13.2 ppg 1.70 ft³/sx

Water Requirement:

8.8 gals/sx

Tail: 150 sx Class "C" Neat.

Slurry Weight:

14.8 ppg

Slurry Yield:

1.32 ft³/sx

Water Requirement:

6.2 gals/sx

5 1/2" 15.5 & 17 1b/ft K-55 & N-80 Prod. Casing Set at 10600' - 7 7/8" Hole:

Set stage tool at 8500'.

1st Stage: 400 sx Class "H" Neat. Desired TOC = 8500'.

Slurry Weight:

15.6 ppg

Slurry Yield:

5.2 ft³/sx

Water Requirement:

1.18 gals/sx

2nd Stage:

Lead: 500 sx Class "C" + 20% Diacel "D". Desired TOC = 3700'.

Slurry Weight: Slurry Weight: Slurry Yield: Water Requirement: 12.0 ppg

2.69 ft³/sx

15.5 gals/sx

Tail: 150 sx Class "C" Neat.

Slurry Weight:

14.8 ppg

Slurry Yield:

1.32 ft³/sx

Water Requirement:

6.3 gals/sx

PROPOSED MUD PROGRAM

South Four Lakes Well No. 12

ADDITIVES	Native Solids	Native Solids		Salt Gel/Oil/Soltex 2% Oil Starch			
%SOLIDS	1	ı	ı	ı	ı		
CL PPM	Ę	Saturated	1	ı	ſ		
FLUID LOSS	1	ı	ı	ſ	12 - 15 cc		
VISCOSITY	32-34 sec/1000 cc	30-32 sec/1000 cc	28-30 sec/1000 cc	34-38 sec/1000 cc	34-40 sec/1000 cc		
MUD WEIGHT	8.6-9.0 ppg	10.0-10.2 ppg	8.8-9.0 ppg	9.0-9.4 ppg	9.2-9.5 ppg		
ОЕРТН	Surf - 400'	400' - 4250'	4200' - 7000'	7000' - 9850'	9850' - 10600'		

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

A. C. Sewell 4001 Penbrook Odessa, Texas 79762 Send two copies of the Well Recap (Final Cost & Engineering Summaries) to A. C. Sewell at the above address.

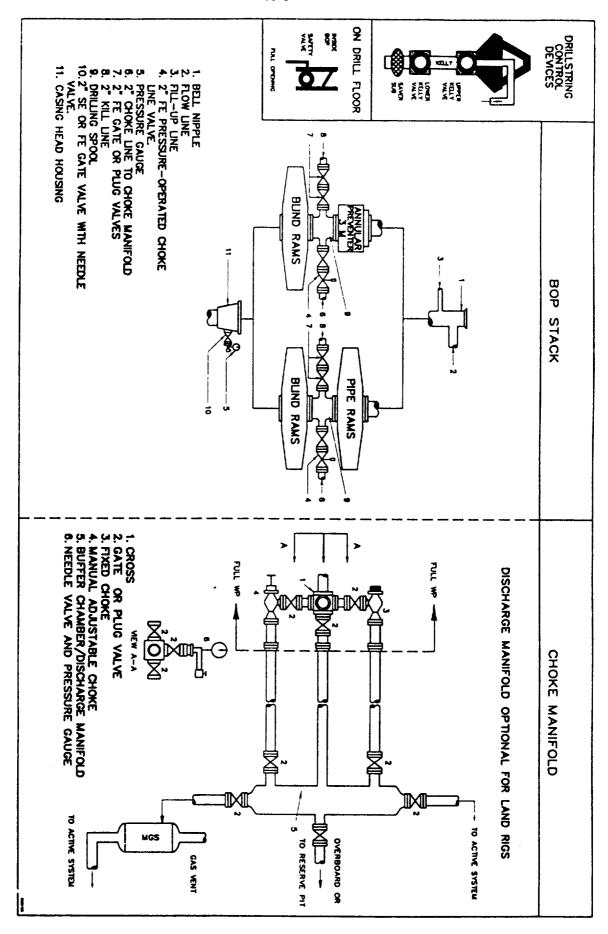


Fig. 2.4. Class 2 BOP and Choke Manifold.

Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies

State of New Mexico Enc., Minerals and Natural Resources Department

Form C-101

DISTRICT

OIL CONSERVATION DIVISION

Revised 1-1-89

P.O. Box 1980, Hobbs, NR DISTRICT II	S	P.O. Box 2088 Santa Fe, New Mexico 87504-2088			30-025-31678		
P.O. Drawer DD, Artesia, NM .88210.				5. Indicate Type of Lease STATE X FEE			
DISTRICT III 1000 Rio Brazos Rd., Azsec, NM 87410				6. State Oil & Ges Lease No.			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				E-2064			
Ia. Type of Wold:	NITONIERMIII	O DRILL, DEEPEN, (UN PLUG BACK				
DRILL & RE-ENTER TO DEEPEN TO PLUG BACK TO				7. Leans Name or Unit Agreement Name			
6. Type of Well:							
WELL X WELL OTHER 20NE X 20NE South						kes unt	
2. Name of Operator					E Well No.		
Phillips Petroleum Company					11		
3. Address of Operator	r c+\	mv 707/0		9. Pool man			
4 Well Location	St. Odessa,	TV 13/05		Frour La	ikes (P	ennsylvanian)	
4. Well Location Unit Letter N	: 2450 Feet Fe	rom The West	Lies and 1250	Fast	From The	South Line	
						SOUTH LINE	
Section 2	55 Towns	hip ~ 12S // & Ra	nge 34E 1	MPM Lea	ì	County	
		10. Proposed Depth		ormation.		12. Rotary or C.T.	
13. Elevations (Show whather	UDF BT CB	10,600'		nnsylvar		Rotary	
	· 1	4. Kind & Status Plug. Bond Blanket	15. Drilling Contractor advise late	er		Date Work will start	
17.					ироп :	approval	
		OPOSED CASING AN					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP	
17-1/2"	13-3/8"	48#	400′	700		Surface	
12-1/4" 7-7/8"	8-5/8" 5-1/2"	24#\& 32#	4200′	1350		Surface	
	1/2"	15.5# & 17#	10600'		: stage		
		\		650 2nd	l stage	3/00 ′	
		\				3700'	
Mud program &	BOP schematic	c attached.					
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Unorthodox lo	cation set for	r hearing 8\/6/9	92.			Lec-	
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM: IF ANY:							
I hereby cartify that the information above is trug and complete to the best of my knowledge and besief.							
	\sim	•					
SKINATURE J.M. Supervisor, Reg. Affairsante 8/4/92							
TYPE OR FRINT NAME I. M. Sanders TELEPHONE NO. 368-1488							
(This space for State Use)							
APPROVED BY		m	£		DATE	1	
CONDITIONS OF APPROVAL, IF	ANY:						
			₹~				