District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District IV

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Form C-101 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

APPLIC	ATION	FOR P	ERMIT TO	O DRII	LL, RE-EN	TER, I	DEF	EPEN,	PLUGBACI	K, OR ADI	D A ZONE
/		¹ O _l	perator name and	Address		•			A 100 m	² OG	RID Number
Phillips Petroleum Company								- E			017654
5525 Highwa	y 64, NBl	3004						F2	£ (189 2000	3 A	PI Number
Farmington,	NM 8740)1								30-0 3	9-26432
⁴ Pro	perty Code				5	Property Na	ame	(2.0) (2.0)		100	6 Well No
0	09259		_		San	<u>Juan 31-</u>	-6 Uı	nit 🞏	Of Park		46M
-	-				⁷ Surface I	Location		Ver Contract	: گرا		
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the North/		rth/So	uth Line	Yeer Hojn the	Past/West line	County
0	32	31N	6W		425	South		uth	2325'	East	Rio Arriba
			8 Proposed	Bottom	Hole Location	on If Dif	fere	nt From	Surface	•	
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from t	he No	rth/So	outh Line	Feet from the	East/West line	County
0			1.								
	1	Propose	d Pool 1		•				10 Proposed Po	0012	
	Ba	sin Dako	ota 71599					B1	anco Mesaver	de 72319	
11 Work T	van Codo		² Well Type C	ode	13 Cable/	Potery	<u> </u>	14 1 69	se Type Code	15 Ground	Level Elevation
·· Work I			- Won Typo C	Well Type Code Cable			Rotary			Ground Level Elevation	
	N ^t		<u>M</u>			<u>} </u>		<u> </u>	6450'		
¹⁶ Mu	ltiple		¹⁷ Proposed Depth ¹⁸ Form			ation ¹⁹ Contractor		²⁰ Spud Date			
	Υ		8007			Dakota4CAT - Key Energy 4th Qtr 2000					
				²¹ Propo	osed Casing	and Cem	nent	Prograr	n		
Hole S	ize	C	sing Size Casing weight/foot		Settin	ng De	pth	Sacks of Ceme	nt E	stimated TOC	
12-1/	4"		9-5/8"	5/8" 36#, J/K-55		320'*			159 sx Type	3	Surface
8-3/	4"		7" 20#, J/K-55		3747'		L-449 sx Typ	e 3	Surface		
								T-50 sx Type	3	· · · · · · · · · · · · · · · · · · ·	
6-1/	4"	4	1-1/2"	11.6#,_I-80_		8007'		335 sx C1 H		**	
Describe the bloom * The Su	wout prevent	ion program sing wi	n, if any. Use ac	lditional sh	eets if necessary				ent productive zone		ew productive zone.
** The pr volume a sing	oduction 100' wi le stage	casing thin in or two	termediate staged.	casing	ted to cove shoe. Depe ent and Cat	nding on	n ho	le cond	erval with 6 litions, the	0% excess a well may be	nd annular cemented in
	²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.					OIL CONSERVATION DIVISION					
Signature:	Signature: Mnisa D. Rodahl						d by:	Charl	i Therr	<i>h</i>	
Printed name: Monica D. Rodahl Date: 04/04/00						Title:	DEPU	TY OIL &	GAS INSPECTO		
	Title: Regulatory Assistant Phone: 599-3480						1		l	xpiration Date:	20

Hold Clo4 Lok NSL

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State of New Mexico Energy, Minerals & Natural Resources Department

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☐ AMENDED REPORT

MOVICES

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Name 71599 Racin Dakota

	er (/55) Pool Code	Pool Name	
1500395X	673A 71599	Basin Dakota	
⁴ Property Code 009259		roperty Name IAN 31-6 UNIT	* Well Number 46M
OGRID No. 017654	•	perator Name TROLEUM COMPANY	'Elevation 6450'

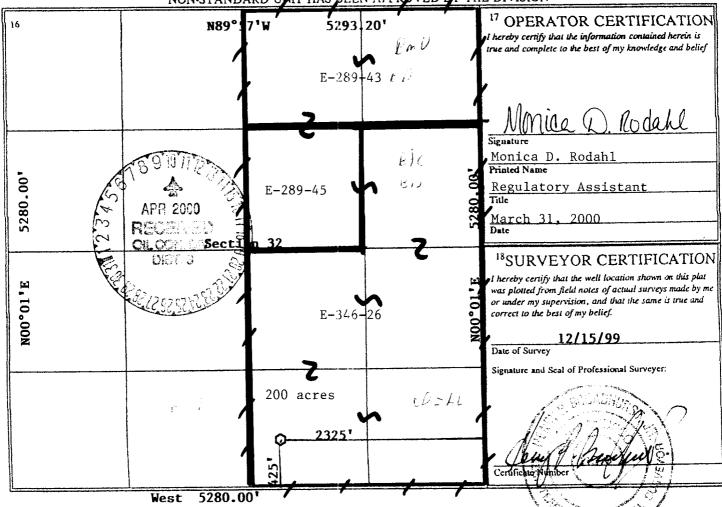
¹⁰ Surface Location

UL or lut no.	Section 32	Township 31N	Runge 6W	Lot Idn	Feet from the 425	North/South line SOUTH	Feet from the 2325	East/West line EAST	County RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface									
UL or let ac.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

" Dedicated Acres " Joint or Infill " Consolidation Code " Order No.

320 E/2 J U

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



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AMENDED REPORT

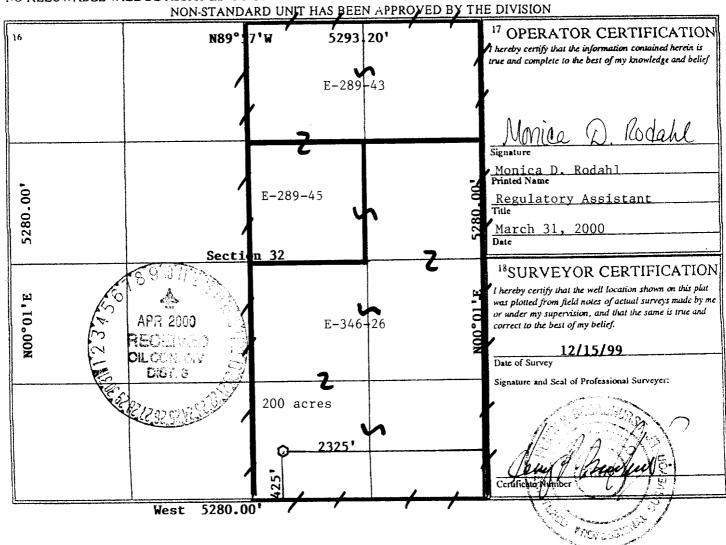
WELL LOCATION AND ACREAGE DEDICATION PLAT

30039-2	er 432 Pool Code 72319	' Pool N Blanco Mesa	
⁴ Property Code 009259		roperty Name JAN 31–6 UNIT	* Well Number 46M
⁷ OGRID No. 017654		PECHTUT NAME FROLEUM COMPANY	' Elevation 6450 '

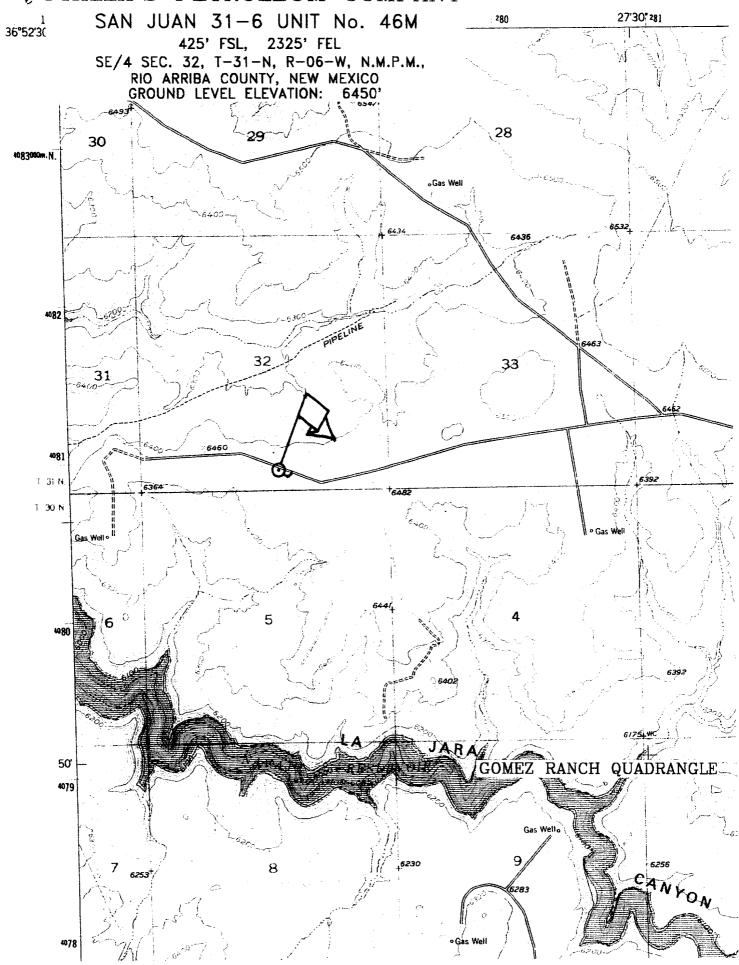
¹⁰ Surface Location

UL or lut no.	Section 32	Township 31N	Runge 6W	Lot Idn	Feet from the	North/South line SOUTH	Feet from the 2325	Exst/West line EAST	County RIO ARRIBA
			" Bot	tom Hol	e Location I	f Different Fro	om Surface		
UL or let no.	Section	Township	Runge	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0			<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	
11 Dedicated Acr	es 13 Joint	or Infill 14	Consolidatio	n Code 15 (Order No.				
220 E/2	4	т]	II						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A



, PHILLIPS PETROLEUM COMPANY



San Juan 31-6 Unit #46M (DK/MV)

SURFACE CASING:

Drill Bit Diameter 12.25 "
Casing Outside Diameter 9.625 " 8.913
Casing Weight 36 ppf
Casing Grade J-55
Shoe Depth 320 '
Cement Yield 1.41 cuft/sk
Excess Cement 110 %

Hole / Casing Annulus Capacity 0.0558 bbl/f 0.3132 cuft/ft

Cement Required

158.5 sx

SHOE 320 ', 9.625 ", 36 ppf,

J-55

INTERMEDIATE CASING:

Drill Bit Diameter 8.75 " Casing Outside Diameter 7 6.455 Casing Weight 20 ppf Casing Grade J-55 Shoe Depth 3747 2.37 cuft/sk Lead Cement Yield Lead Cement Excess 110 % Tail Cement Length 221.6 Tail Cement Yield 1.4 cuft/sk **Tail Cement Excess** 110 %

Casing / Casing Annulus Capacity 0.0296 bbl/f 0.1660 cuft/ft Hole / Casing Annulus Capacity 0.0268 bbl/f 0.1503 cuft/ft Casing Capacity 0.0405 bbl/f 0.2272 cuft/ft

Lead Cement Required 449.3 sx Tail Cement Required 50.0 sx

SHOE 3747', 7", 20 ppf, J-55

PRODUCTION CASING:

Drill Bit Diameter Casing Outside Diameter 4.000 11.6 ppf Casing Weight 1-80 Casing Grade 3647 100' within intermediate shoe Top of Cement Shoe Depth 8007 Cement Yield 2.13 cuft/sk 60 % Cement Excess

 Casing / Casing Annulus Capacity
 0.0208 bbl/f
 0.1168 cuft/ft

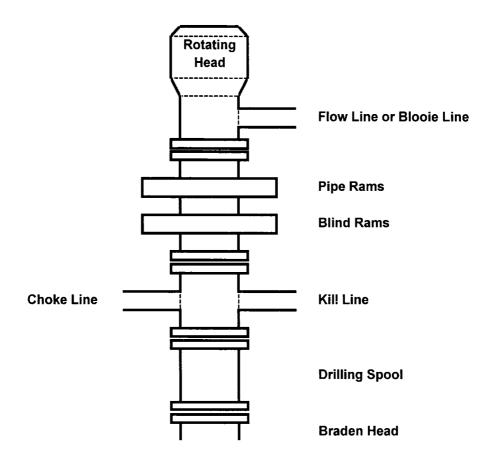
 Hole / Casing Annulus Capacity
 0.0183 bbl/f
 0.1026 cuft/ft

 Casing Capacity
 0.0155 bbl/f
 0.0872 cuft/ft

Cement Required 334.6 sx

SHOE 8007', 4.5", 11.6 ppf, I-80

10" 3000 Psi BOP Stack for Gas Drilling



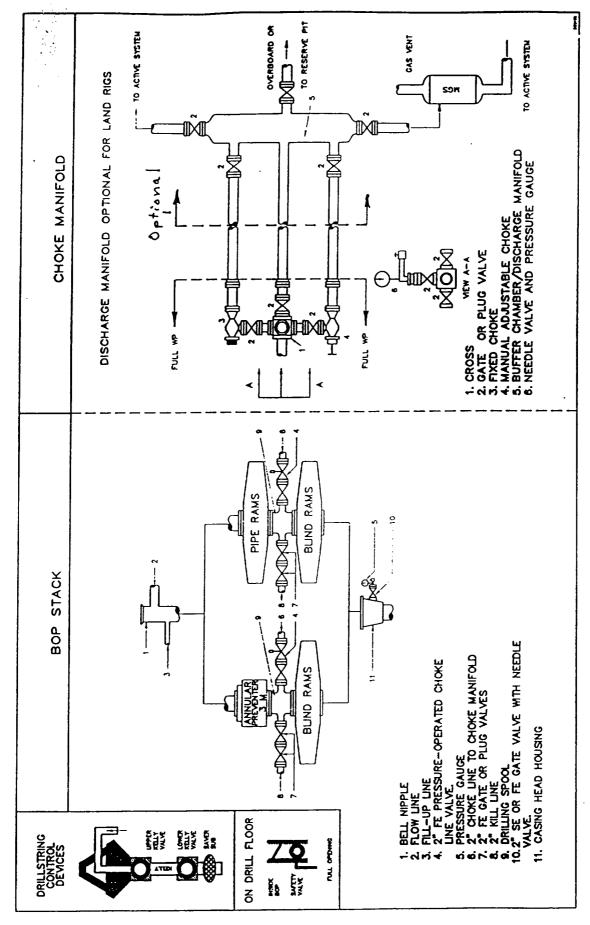


Fig. 2.4. Class 2 BOP and Choke Manifold.