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 District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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
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APPLIC	ATION	FOF	R PEI	RMIT T	O DRI	LL,	RE-EN	1TEI	R, DE	EPEN	PHUGBACI	K, OI	R ADI	D A ZONE	
¹ Operator name and Address									1.62		<u>, </u>	² OG	RID Number		
Phillips Petroleum Company								, is		MAR 2000	<u> </u>	1	017654		
5525 Highway 64, NBU 3004										ECEVED			PI Number		
Farmington, NM 87401								α		ECON DIV	£ 30-	039	26405		
⁴ Property Code 5							5 J	Proper	ty Name		DIST. 3	33		Well No.	
009257 Sar						San 、	<u>Juan</u>	<u> 29-6 Ù</u>	Mit		<u> </u>		93M		
⁷ Surface Location									Janes Col	<i>y</i>					
UL or lot no.	Section	Towns	ship	Range	Lot. Idn Feet from the			he	North/Se	outh Line	The from the	East/W	East/West line County		
00	16	2	.9N	6W			310'			outh	2044	<u>E</u> a	ast	Rio Arriba	
			8 F	Proposed	Bottom	Hol	e Locatio	on If	Differe	nt From	m Surface				
UL or lot no.	Section	Town	ship	Range	Lot. Idn		Feet from th	he	North/S	outh Line	Feet from the	East/V	Vest line	County	
	•	9 Prop	osed Po	ool 1					<u> </u>		10 Proposed Po	ool 2			
	Bas	in Dal	<u>kota</u>	71599	9					Bla	nco Mesaverde		7231	19	
11 Work T	ype Code		12 1	Well Type C	ode		13 Cable/F	Rotary		¹⁴ Le	ease Type Code	15		Level Elevation	
16 No1	<u>N</u>		17	<u>M</u>		\vdash	R	<u> </u>	S 10 C				6420' 20 Spud Date		
16 M ul	tipie		., i	Proposed De	pth		¹⁸ Forma	ation	ation 19 Contractor 20 Spud D				oud Date		
	Υ		<u> </u>	7792'		<u> </u>	Dakt				T-Key Energy		2nd	Qtr 2000	
					²¹ Propo	osed	Casing a	and C	Cement	Progra	ım				
Hole S	ize	\bot	Casing	g Size	Casing	g weig	ght/foot		Setting De	Depth Sacks of Cement			Es	stimated TOC	
12-1/	4"		9-5,	/8"	36#, J/K-55				320'*		159 sx Type	_3		surface	
8-3/4	1"			"	20#,]/!	K-55	<u> </u>	3722'		446 sx Type	_3			
					<u> </u>			ļ			50 sx Type	3		surface	
6-1/4	1"		4-1,	/2"	11.6	#	I-80		7792' 320 sx C1 I			н		**	
22.5	1	ــــــــــــــــــــــــــــــــــــــ	-2.4.	<u> </u>	22220			<u> </u>							
Describe the plow	roposea proposeu proposeu proposeu preventi	gram. 1 ion prog	f this ap gram, if	any. Use ad	to DEEPEN Iditional she	or P	LUG BACK f necessary	K give	the data o	n the pre	sent productive zone	and pro	posed nev	w productive zone.	
* The surface casing will be set at a minimum of 320', but could be set deeper if required to maintain hole stability.															
** The production casing cement is calculated to cover the openhole interval with 60% excess and annular volume 100' within intermediate casing shoe. Depending on hole conditions, the well may be cemented in a single stage or two staged.									nd annular cemented in						
See attac	hed deta	ils fo	or th	e cathod	ic prote	ecti	on for t	this	well.						
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.										OIL	ÇONSERVATI	ON D	IVISIC	ON	
Signature: MMica D. Rodahl							Approved by:								
							. (1.4.(00	Title:			OIL & GAS INSP	rECTOR	DIST. 1	JPS	
Morrica Roddin Date: 3/14/00								oval Date	4	1 6 2000 E					
Title: Regulatory Assistant Phone 599-3480							Appro	ovai Date	31 11 /	7 6 71111 11 E 7	ADITATION	Date 🦳	31		

Hold Cloy for DAKORA NSL

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artenia, NM 88211-0719 District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

> State Lease - 4 Copies Fee Lease - 3 Copies

PO Box 2088, Sar	ita Fc, NM	87504-2088							AMENDED REPORT		
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009257]										
OGRID					SAN JUAN 29-6 UNIT 93M Operator Name Elevat						
017654	,			PHIL	LIPS PETROLE	EUM COMPANY			6420"		
						Location	***************************************	····			
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			11 Bott	om Ho	ole Location I	f Different Fro	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West E	c County		
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110 ALLO	TADLL					EEN APPROVED			CONSOLIDATED		
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		rrue and complete to the best of my knowledge and belief									
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		Monice D. Rodahl									
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000 Rio Brazos Rd., Aztec, NM 87419

district IV

State of New Mexico
Energy, Minerals & Natural Resources Department

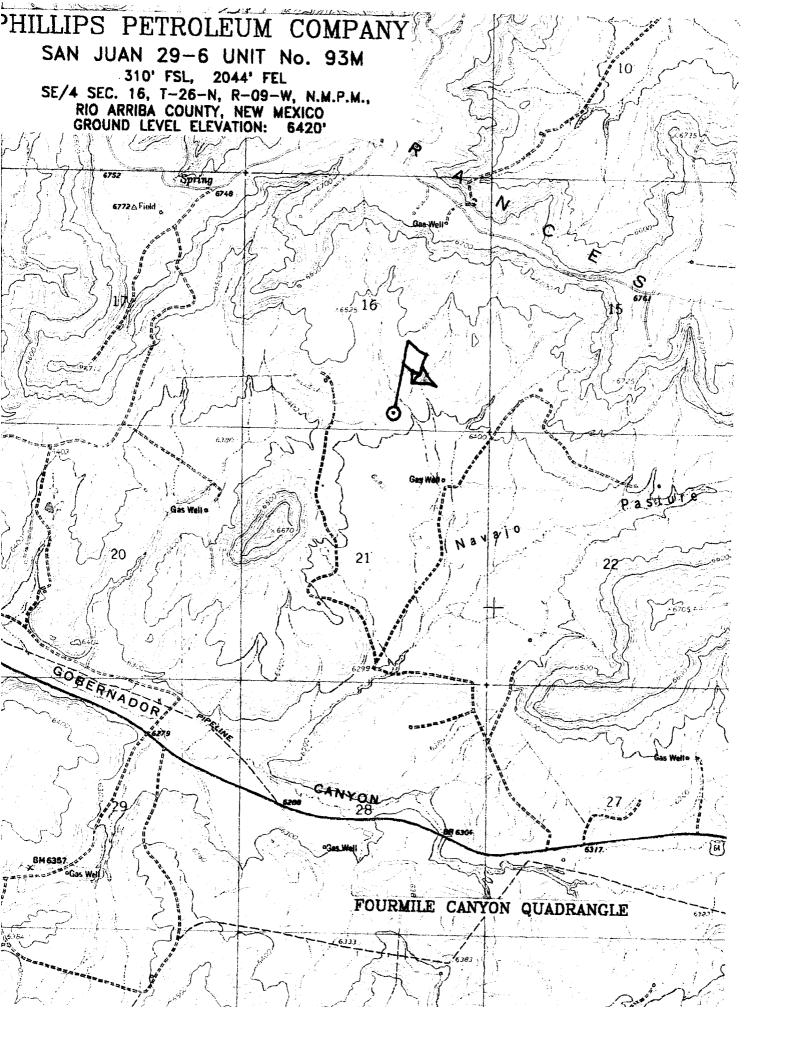
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

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■ AMENDED REPORT

O Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT												
30-0	API Number Pool Code Pool Nume								ine			
	51-7	76405 72319 Blanco Mesaverde								W-7-4		
⁴ Property (ı	' Property Name ' Well Number										
	009257 SAN JUAN 29-6 UNIT 93M											
									* Elevation			
01765	17654 PHILLIPS PETROLEUM COMPANY								 	<u> </u>	6420*	
	¹⁰ Surface Location											
UL or let no.	Section	Townshi	p Range	Lot Id	a Feet from	the	North/South line	Fee	t from the	East/Wes	t line	County
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	Monica D. Rodahl											
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01,	-			1		J	^	0.02	correct to the			ne sume is true and
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			N89	0°54'1	E	278	681		Certificate		2	<i>§</i> /



San Juan 29-6 Unit #93M (DK/MV)

SURFACE CASING:

Drill Bit Diameter Casing Outside Diameter Casing Weight Casing Grade

Shoe Depth Cement Yield **Excess Cement**

8.913

cuft/sk

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

Casing Outside Diameter

Casing Weight Casing Grade Shoe Depth

Lead Cement Yield **Lead Cement Excess** Tail Cement Length

Tail Cement Yield **Tail Cement Excess**

37 cuft/sk

cuft/sk

Casing / Casing Annulus Capacity

Hole / Casing Annulus Capacity

Casing Capacity

0.0268 bbl/f 0.0405 bbl/f

0.0296 bbl/f

0.1660 cuft/ft 0.1503 cuft/ft 0.2272 cuft/ft

6.455

Lead Cement Required Tail Cement Required

446.0 sx 50.0 sx

SHOE

3722 ',

20 ppf,

J-55

PRODUCTION CASING:

Drill Bit Diameter

Casing Outside Diameter

Casing Weight Casing Grade Top of Cement Shoe Depth Cement Yield

Cement Excess

11.6 ppf

cuft/sk

Casing / Casing Annulus Capacity Hole / Casing Annulus Capacity

Casing Capacity

0.0208 bbl/f 0.0183 bbl/f 0.0155 bbl/f

0.1168 cuft/ft 0.1026 cuft/ft 0.0872 cuft/ft

4.000

Cement Required

320.0 sx

SHOE

7792 ', 4.5 ",

11.6 ppf,

1-80

GEOLOGIC PROGNOSIS

Company:

Phillips Petroleum Company

Project: Area:

2000 Drilling Plan San Juan 29-6 Unit

Operator:

Phillips Petroleum Company

Well Name:

San Juan 29-6 Unit No. 93M (Kmv/Kd)

Location: Footage:

SWSE 16-29N-06W 0310' FSL & 2044' FEL

County/State:

Rio Arriba/New Mexico

Surveyed GL:

6420

Est (12') KB:

6432

Formation San Jose Fm. Nacimiento Fm. Ojo Alamo Ss. Kirtland Sh. Fruitland Fm. Pictured Cliffs Ss. Lewis Sh. Int. Csg. Depth Cliff House Ss. Menefee Fm. Point Lookout Ss. Mancos Sh. Gallup Ss. Greenhorn Ls.	Thickness 1217 1190 175 360 355 265 160 1345 90 305 335 925 730 55	Depth Surface 1217 2407 2582 2942 3297 3562 3722 5067 5157 5462 5797 6722 7452	Struct. Elev. 6420 5215 4025 3850 3490 3135 2870 2710 1365 1275 970 635 -290 -1020
Gallup Ss.			

Mechanical Logs: Cased hole logs only

Correlation Logs:

San Juan 29-6 Unit #94 (SWSW 16-29N-06W)

San Juan 29-6 Unit #93 (NWNE 16-29N-06W)

Estimated intervals of water, oil and gas:

Water:

Ojo Alamo Ss.

2407-2582

Gas & Water:

Fruitland Fm. Mesaverde Gp. 2942-3297 5067-5797

Gas:

Dakota Ss.

7642-7792

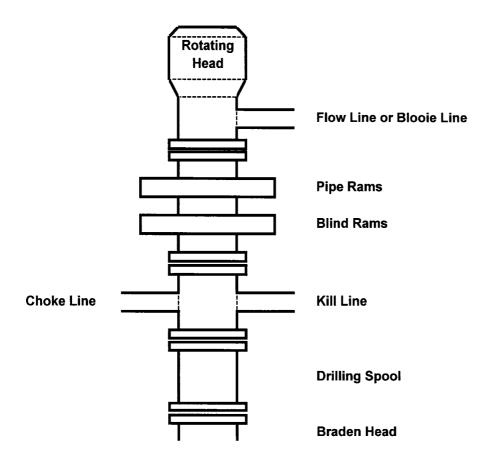
Notes:

Revised for location change

John E. Bircher

Rev: February 21, 2000

10" 3000 Psi BOP Stack for Gas Drilling



3M SYSTEM:

2 hydr. rams (pipe & blind) or hydr. ram and annular with blind ram on bottom

Kill Line (2-inch minimum)

1 kill line valve (2-inch minimum)

1 choke line valve

2 chokes (refer to diagram in attachment 1) on choke manifold

Upper kelly cock valve in open position with handle available

Safety valve (in open position) and subs to fit all drill strings in use (with handle available)

Pressure gauged on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

The BOPs will be pressure tested according to Onshore Order #2 III, A 1 and 30% safety factor.

drilling\BOPck.lst

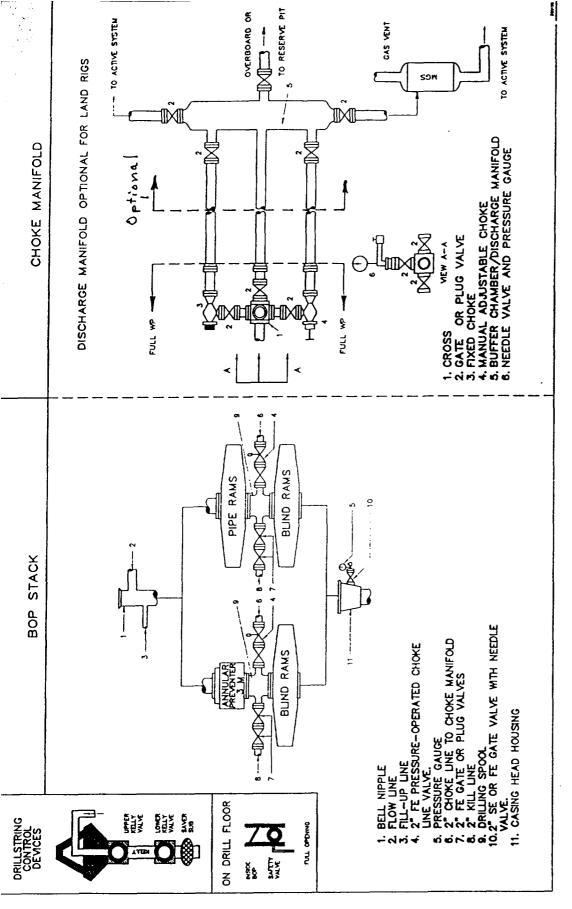


Fig. 2.4. Class 2 BOP and Choke Manifold.

San Juan 29-6 Unit #93M E-289-46; Unit O, 310' FSL & 2044' FEL Section 16, T29N, R6W; Rio Arriba County, NM

Cathodic Protection

Phillips proposes to drill a cathodic protection deep well groundbed for the subject well. Will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on existing well pad and a Farmington based company will be doing the drilling for Phillips.