State of New Mexico Energy, Minerals & Natural Resources Department

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

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

	ATION	FOR	I EKWII I	U DKII	or, Kr-rr	(IL)	K, DE	CPL	FLOGBACI		DD A ZONE	
		1	Operator name an	d Address				(S) ()	10/1/25	2	OGRID Number	
Phillips Pet			/				ſ,		2000 EIVED	\	017654	
5525 Highwa	y 64, NB	U 3004	•				CV	NAL	2000 EIVED	4	³ API Number	
Farmington,	NM 874	01						DEC	EIVEN E	30-0	<u> 39-26300</u>	
⁴ Proj	perty Code				5	Proper	ty Name	OIL	CON DIV]	6 Well No.	
0	09256						<u> 29-574</u>	l <u>nit</u>	no.	/	60M	
		,			⁷ Surface I	Locat		(2)	200			
UL or lot no.	Section	Townsh	ip Range	Lot. Idn	Feet from t	he		outh Line	Feet tree the	East/West	ine County	
D	32	29		<u> </u>	880	_		orth	325	West	Rio Arriba	
			8 Proposed	Bottom 1	Hole Location	on If	Differe	ent From	Surface			
JL or lot no.	Section	Townsh	nip Range	Lot. Idn	Feet from t	he	North/S	outh Line	Feet from the	East/West	line County	
D				<u> </u>								
			sed Pool 1						¹⁰ Proposed Po	ool 2		
	Ba	asin Da	kota 71599					B	<u>lanco Mesaver</u>	<u>rde 7231</u>	.9	
										1		
11 Work T	ype Code		12 Well Type C	ode	¹³ Cable/	Rotary		14 Lease Type Code		15 Grou	¹⁵ Ground Level Elevation	
	N		M		F	₹			S -		6487'	
¹⁶ Mul	ltiple		¹⁷ Proposed De	pth	¹⁸ Form	ation		19 (¹⁹ Contractor		O Spud Date	
	٧		7894		Dak	ota_		4CAT	- Key Energy	Fst	Feb 1 2000	
				²¹ Propo	osed Casing		Cement					
Hole S	ize		Casing Size		weight/foot		Setting De		Sacks of Cemer	nt	Estimated TOC	
12-1/	4"		9-5/8"	36#_J/K-55			320'	*	151 sx Type	3	Surface	
8-3/4	4"		7"	20#, J/K-55			3774' L-424 sx Type		e 3	Surface		
·						ļ 			T-50 sx Type	3		
6-1/4	4"	-	4-1/2"	11.6#, N-80			7894	7894' 331 sx C1 H		н	**	
* The su hole s ** The ce	rface ca tability ment for	sing w the 4	am, if any. Use a ill be set a	t a mini is desi	imum of 320 igned to co	՛, bu ver t	ut coul the ope	d be se en hole	t deeper if r	required		
						T=						
¹³ I hereby certifi of my knowledge Signature: Printed name:	and belief.	g_ (given above is tru Cless Patsy Clugst atory/Prorat	con_		Title	oved by:	JPERVIS JAN	ONSERVATI OR DISTRICT - 7 2000 _E	# 3		

District I

[7) Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District II OIL CONSERVATION DIVISION 811 South First, Artesia, NM 88210 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

2040 South Pacheco Santa Fe, NM 87505

AMENDED REPORT

40 South Pachec	o, Santa Fe,						a miori Di	L	ן AME	NDED REPORT
	PL-Number			² Pool Code		EAGE DEDIC	'Pool N		-	
30-02	39- 6	1300	715		³ Property N	sin Dakota	·			Well Number
009256	No.		, . <u> </u>	·, · · · · · · · · · · · · · · · · · ·	SAN JUAN 29-5 UNIT 'Operator Name ILLIPS PETROLEUM COMPANY				'Elevation 6487'	
017654	:L			1111111	¹⁰ Surface					
UI, or lot no.	Section 32	Township 29N	Range 5W	Lot Idn	Feet from the	North/South line NORTH	Feet from the 325	East/We WEST		County RIO ARRIBA
<u></u>			11 Bot	tom Hol	e Location If	Different Fro	m Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
Dedicated Act	\mathcal{N}		Consolidatio		Order No.					
320 N/2 O ALLOW	ABLE W	LL BE AS	SIGNED	TO THIS	COMPLETION NIT HAS BEEN	UNTIL ALL INT APPROVED BY	TERESTS HA	VE BEEN ION	CONSC	OLIDATED OR A
325' E-289 80 ac	9-3 cres		*53'E 89-50	y n	289-52	- Z	Signature Pat: Printed N Sr. Title Lan Date	sy cluckame Regula	Of gstory	/Proration
NO0°01'E	<i>V</i>				CZ JAN RECO	9 10 17 7 7 15 15 15 15 15 15 15 15 15 15 15 15 15	i hereby	certify that the ted from field to my supervision the best of Surface	e well local notes of ac m, and the	tion shown on this plat tuul surveys made by m the same is true and
	1	cgo	°52 ' E	5	5280.00°	22.12.12. E. S. 12.12. E. S. 12	Geruife	Ay Number		

District 1 19) Box 1980, Hobbs, NM 88241-1980

District II 811 South First, Artesia, NM 88210

District III

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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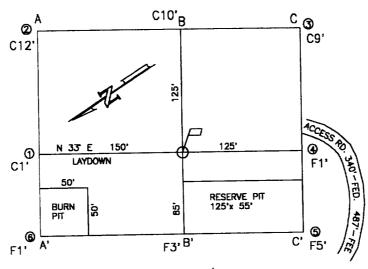
State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

2040 South Pacheco, Santa Pe,			
	THE LOCATION AND	ACREAGE DEDICATION PLAT	
	3 Paul Cade	, Loot wame	
30-039-2	2300 72319	Blanco Mesaverde	* Well Number
* Property Code 071654	PI. NAS	roperty Name AN 29-5 UNIT	60M
071654	10	perator Name	'Elevation 6487
OVALD No.	PHILLIPS PET	TROLEUM COMPANY	

10 Surface Location County Fast/West line North/South line Feet from the Feet from the Lot idn Range Township RIO ARRIBA UL or lot no. Section WEST 325 8801 NORTH 5W 29N 32 D 11 Bottom Hole Location If Different From Surface East/West line County Feet from the North/South line Feet from the Lot Idn Range Township Section UL or lot no. n 15 Order No. ¹⁴ Consolidation Code 13 Joint or Infill 12 Dedicated Acres

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 OPERATOR CERTIFICATION I hereby certify that the information contained herein is 5293.201 S89°53'E true and complete to the best of my knowledge and belief 880 E-289-59 325 E-289-3 Patsy Printed Name 80 acres Sr. Regulatory/Proration E-289-52 5280.00 1-6-2000 18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me and that the same is true and or under my supervision correct to the best Fee E-289-52 5280.00 S89°52'E



A-A' ELEVATION	C/L
6507	
6497	VIIIIII
6487	
6477	
6467	

B-B'	C/L
6507	
6497	
6487	
6477	
6467	

C-C'	C/L						
6507							
6497	With the second						
6487	VIIII VIIII						
6477							
6467							

COMPANY: PHILLIPS PETROLEUM CO.

LEASE: SAN JUAN 29-5 UNIT No. 60M

FOOTAGE: 880 FNL 325 FWL UNIT D

SEC. 32 TWN. 29 N RNG. 5 W N.M.P.M.

COUNTY: RIO ARRIBA STATE: N.M.

ELEVATION: 6487

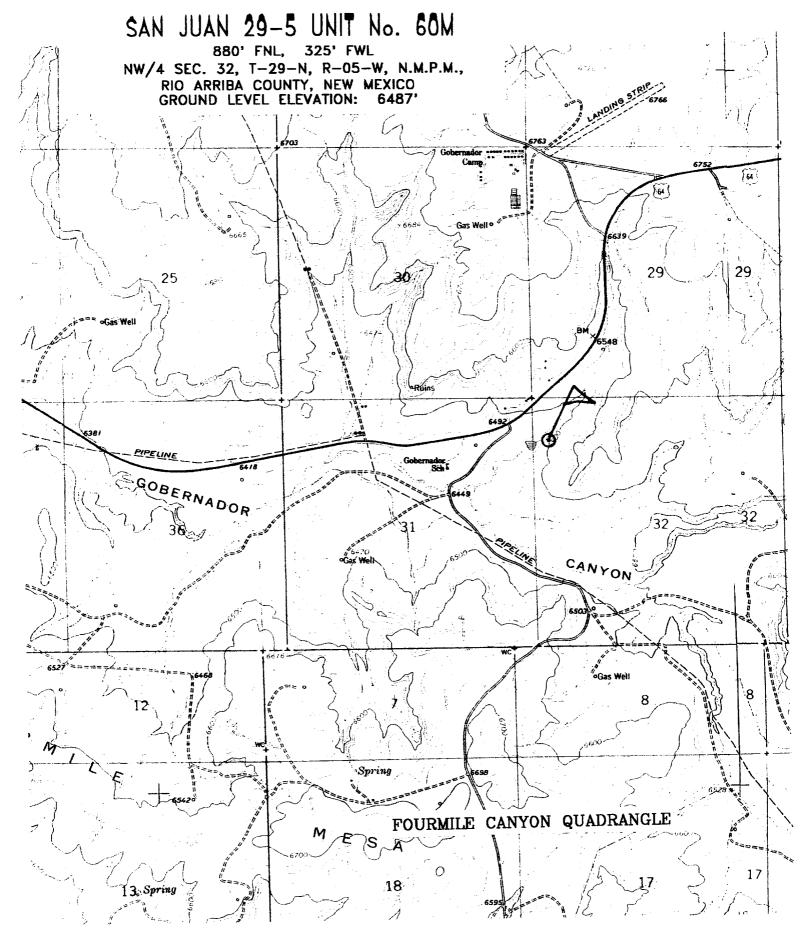
LATITUDE: 36-41-13

LONGITUDE: 107-23-17

	S PETROLEU Ington, NEW MEXI	
SURVEYED: 11/11/99	REV. DATE:	APP. BY
DRAWN BY: K.REA	DATE DRAWN: 11/13/99	FILE NAME: UF011
UNITED	P.C FARMING OFFICE:	D. BOX 3651 GTON, NM 87499 (505)334-0408

FIELD SERVICES INC.

PHILLIPS PETROLEUM COMPANY



San Juan 29-6 Unit #60M (DK/MV)

SURFACE CASING:

Drill Bit Diameter Casing Outside Diameter Casing Weight Casing Grade

Shoe Depth Cement Yield **Excess Cement** 100 %

8.913

ppf

cuft/sk

Hole / Casing Annulus Capacity

0.0558 bbl/f

0.3132 cuft/ft

6.455

Cement Required

151.4 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**

ppf 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

Lead Cement Required Tail Cement Required

423.7 sx 50.0 sx

SHOE

3774',

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

4.000

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

Cement Required

330.9 sx

7894 ', 4.5 ",

SHOE

11.6 ppf,

N-80

GEOLOGIC PROGNOSIS

Company:

Phillips Petroleum Company

Project: Area:

2000 Drilling Plan San Juan 29-5 Unit

Operator:

Phillips Petroleum Company

Well Name:

San Juan 29-5 Unit No. 60M (Kmy/Kd)

Location: Footage: County/State:

NWNW 32-29N-05W 0880' FNL & 0325' FWL Rio Arriba/New Mexico

Surveyed GL:	6487	Est (12') KB:	6499
Formation	Thickness	<i>Depth</i> Surface	Struct. El
San Jose Fm.	1484	Surface	6487
Vacimiento Em	1135	1484	5015

<u>Formation</u>	Inickness	<u>veptn</u>	Struct, Elev.
San Jose Fm.	1484	Surface	6 4 87
Nacimiento Fm.	1135	1484	5015
Ojo Alamo Ss.	180	2619	3880
Kirtland Sh.	310	2799	3700
Fruitland Fm.	300	3109	3390
Pictured Cliffs Ss.	210	340 9	30 9 0
Lewis Sh.	155	3619	2880
Int. Csg. Depth	14 4 5	<u>3774</u>	2725
Cliff House Ss.	80	5219	1280
Menefee Fm.	290	5299	1200
Point Lookout Ss.	280	5589	910
Mancos Sh.	945	5869	630
Gallup Ss.	745	6814	-315
Greenhorn Ls.	60	7559	-1060
Graneros Sh.	125	7619	-1120
Dakota Ss.	150	7744	-1 245
Total Depth	NA	<u> 7894</u>	-1395
_			

Mechanical Logs: None

Correlation Logs:

San Juan 29-5 Unit # 59 (SENE 31-29N-05W) San Juan 29-5 Unit # 32 (SESW 29-29N-05W)

Estimated intervals of water, oil and gas:

Water: Gas & Water:

Ojo Alamo Ss.

2619-2799 3109-3409

Gas:

Fruitland Fm. Mesaverde Gp.

5219-5869

Dakota Ss.

7744-7894

December 18, 1999

John E. Bircher

San Juan 29-5 Unit #60M E-289-3; Unit D, 880' FNL & 325' FWL; Section 32, T29N, R5W; 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 "Tierra Dynamic Company" of Farmington will be doing the drilling for Phillips.