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 Fo, 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

2040 South Pache	co, Santa Fe	, INIVI 67	303						AMEN	DED REPORT	
APPLIC	CATION	FOR	PERMIT T	O DRI	LL, RE-EN	TER, DE	EPEN,	PLUGBACK	, OR ADI	A ZONE	
		1	Operator name and	i Address				18911	<sup>2</sup> OG	RID Number	
Phillips Pe	troleum	Compan	<b>y</b>					5 10 3 11/2)	<b>3</b>	017654	
5525 Highwa	y 64, NB	U 3004	- <b>,</b>				· W	N 2000	·	PI Number	
Farmington,	NM 874	01					(C)		30,0 39	- 26301	
<sup>4</sup> Pro	perty Code				5	Property Name	-	HAN 2000 ED RECEIVED RECEIVED	77	Well No.	
0	009256				San	<u>Juan 29-5 L</u>	Invet.	RECEIVON ON ONL ONET. 3	<i>8</i>	66M	
			·		<sup>7</sup> Surface I	_ocation	60	• Oic	\$\$\frac{1}{2}		
UL or lot no.	Section	Townsh	hip Range	Lot. Idn	Feet from t	he North/S	outh Line	Reet from the	ast/West line	County	
Ε	33	29	N 5W		2110	' No	orth	E. 36 90 80 E. C. 9	West	Rio Arriba	
			8 Proposed	Bottom	Hole Location	on If Differe	nt Fron	n Surface			
UL or lot no.	Section	Towns	hip Range	Lot. Idn	Feet from t	he North/S	outh Line	Feet from the	East/West line	County	
<u>E</u>		9 Propo	osed Pool 1					10 Proposed Poo	ol 2		
		-						•		Ž	
	BI ai	nco Mes	saverde 7231	.9				<u>Basin Dakota</u>	71599		
11 Work T	ype Code	Т	12 Well Type C	ode	13 Cable/	Rotary	14 Le:	ase Type Code	15 Ground	Level Elevation	
								Р		6549'	
16 <b>M</b> u	Nultiple		17 Proposed De	Depth 18 Formatio		ation .			20 Spud Date		
1414	шрю		Troposed De	od Dopin						·	
	<u>Y</u>			21 —		ota		T-Key Energy	Est. F	eb 1, 2000	
					osed Casing						
Hole S	Size		Casing Size	ing Size Casing we				Sacks of Cement		stimated TOC	
12-1	/4"		9-5/8"	36#, J/K-55			320'* 15			surface	
8-3/	4"	+		20#	_J/K-55	3831	•	L-431 sx Type	I		
								T -50 sx Type	l l	surface	
6-1/	4"	+	4-1/2"	11.6	5#, N-80	7956	<u>,                                      </u>	331 sx C1 F		**	
* The su hole s	wout preventurface castability cement fo	tion progr Ising w /. or the	ram, if any. Use ac	dditional sh tamin gis de	eets if necessary imum of 320 signed to c	', but coul	ld be se ben hole	et deeper if r	equired to	maintain	
23 I hereby certi of my knowledg Signature: Printed name:		leg-	given above is tru  Lusi  tsy Clugston	e and comp	elete to the best	<del> </del>	Chan Y Oil &	CONSERVATION CONSE	DIST.		
Title:	Sr. I	Regulat	tory/Proratio	n Clerk		Approval Date	MAN	- 7 200 <b>0</b> ex	piration Date: U	<u> 1410 - 7 201</u>	

District I 18) Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 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

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AMENDED REPORT

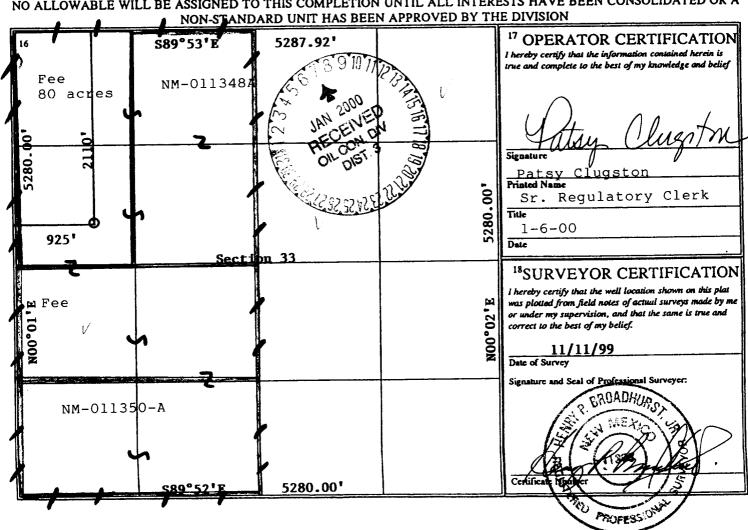
WELL LOCATION AND ACREA	GE DEDICATION PLAT
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30-039-263	72319	'Pool Name Blanco Mesaverde	
* Property Code		nperty Name	• Well Number
009256		N 29–5 UNIT	66M
'OGRID No.		ecutor Name	' Elevation
017654		ROLEUM COMPANY	6549 '

10 Surface Location

UL or lot no.	Section 33	Township 29N	Range 5W	Lot Idn	Feet from the	North/South line NORTH	925	WEST	RIO ARRIBA
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Runge	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Е		<u> </u>	<u> </u>	<u> </u>		<u> </u>			
13 Dedicated Acr	- 4	or Infill 14	Censolidatio	n Code	15 Order No.				
320 W/2	I		U						

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



District I Pt) Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

# State of New Mexico

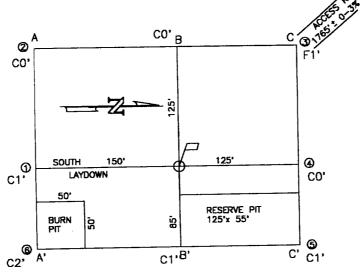
OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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MOFESS ON

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District IV ☐ AMENDÉD REPORT 2040 South Pacheco, Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT <sup>1</sup> Pool Code ' Pool Name 71599 Basin Dakota \* Well Number <sup>5</sup> Property Name <sup>4</sup> Property Code 66M SAN JUAN 29-5 UNIT 009256 Operator Name \* Elevation 1 OGRID No. 65491 PHILLIPS PETROLEUM COMPANY 017654 10 Surface Location North/South line Feet from the East/West line Feet from the Lot Idn Township Range UL or lot no. Section RIO ARRIBA 925 WEST NORTH 2110' 29N 33 11 Bottom Hole Location If Different From Surface East/West line County North/South line Feet from the Feet from the Range Lot Ida Section Township UL or lot no. Ε 15 Order No. 14 Consolidation Code 13 Joint or Infill 12 Dedicated Acres 320 W/2 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 17 OPERATOR CERTIFICATION S89°53'E 5287.92' 16 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Fee 80 acries NM-011348A Signature Patsy Printed Name 5280.007 Regulatory 1-6-2000 925 Date Secti bπ 18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me N00°02'E or under my supervision, and that the same is true and Fee N0000 correct to the best of my belief. 11/11/99 Date of Survey Signature and Seal of Professional Surveyor NM-011350-5280.00



A-A' ELEVATION	C/L				
6569					
6559					
6549					
6539					
6529					

3-B'	C/L	
6569		
6559		
6549		
6539	Name of the second seco	
6529		

C-C'	C/L
6569	
6559	
6549	
6539	
6529	

COMPANY: PHILLIPS PETROLEUM CO.

LEASE: SAN JUAN 29-5 UNIT No. 66M

FOOTAGE: 2110 FNL 925 FWL UNIT E

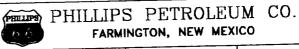
SEC. 33 TWN. 29 N RNG. 5 W N.M.P.M.

COUNTY: RIO ARRIBA STATE: N.M.

ELEVATION: 6549

LATITUDE: \_36-41-01

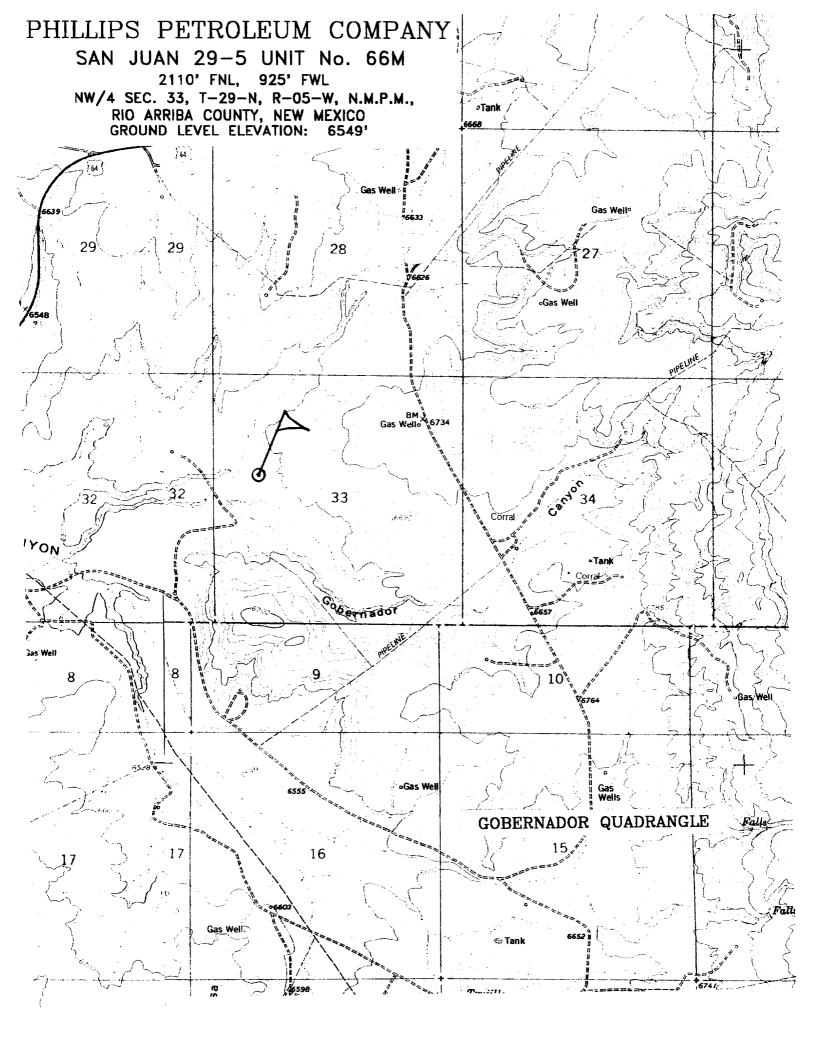
LONGITUDE: 107-22-05



SURVEYED:	11/11/99	REV. DATE:	APP. BY
DRAWN BY:		DATE DRAWN: 11/13/99	FILE NAME: UF010

FIELD SERVICES INC.

P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505)334-0408



### San Juan 29-6 Unit #66M (DK/MV)

#### **SURFACE CASING:**

**Drill Bit Diameter** Casing Outside Diameter Casing Weight Casing Grade Shoe Depth Cement Yield

**Excess Cement** 

8.913 cuft/sk

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

**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** 

6.455 cuft/sk % cuft/sk 100 %

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

430.8 sx **Lead Cement Required Tail Cement Required** 

SHOE

3831 ',

7 ",

20 ppf,

J-55

50.0 sx

331.3 sx

#### **PRODUCTION CASING:**

**Drill Bit Diameter** Casing Outside Diameter 4.000 Casing Weight ppf Casing Grade Top of Cement Shoe Depth 2 12 cuft/sk Cement Yield Cement Excess %

0.0208 bbl/f 0.1168 cuft/ft Casing / Casing Annulus Capacity 0.1026 cuft/ft Hole / Casing Annulus Capacity 0.0183 bbl/f 0.0155 bbl/f 0.0872 cuft/ft **Casing Capacity** 

**Cement Required** 

SHOE 7956 ', 4.5 ", 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: Location:

San Juan 29-5 Unit No. 66M (Kmv/Kd) SWNW 33-29N-05W

Footage: County/State:

2110' FNL & 0925' FWL Rio Arriba/New Mexico

Surveyed GL: 6549 Est (12') KB: 6561

<b>Formation</b>	<u>Thickness</u>	Depth	Struct. Elev.
San Jose Fm.	1541	Surface	6549
Nacimiento Fm.	1135	1541	5020
Ojo Alamo Ss.	180	2676	3885
Kirtland Sh.	310	2856	3705
Fruitland Fm.	300	31 <b>6</b> 6	3395
Pictured Cliffs Ss.	210	3466	3095
Lewis Sh.	155	3676	2885
Int. Csg. Depth	1455	<u> 3831</u>	2730
Cliff House Ss.	75	5286	1275
Menefee Fm.	295	5361	1200
Point Lookout Ss.	290	5656	905
Mancos Sh.	940	<b>594</b> 6	615
Gallup Ss.	740	6886	-325
Greenhom Ls.	60	7626	-1065
Graneros Sh.	120	7686	-1125
Dakota Ss.	150	7806	-1245
Total Depth	NA	<u>7956</u>	-1395

Mechanical Logs: None

Correlation Logs:

San Juan 29-5 Unit # 60 (NENE 33-29N-05W)

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

Estimated intervals of water, oil and gas:

Water: Gas & Water: Fruitland Fm.

Oio Alamo Ss.

2676-2856 3166-3466

Gas:

Mesaverde Gp. Dakota Ss.

5286-5946

7806-7956

# San Juan 29-5 Unit #66M Fee; - Unit E, 2110' FNL & 925' FWL Section 33, 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.