		РН	c 7/16/97
	State of New OIL CONSERVAT		7/16/97 1608 Form C-107-A New 3-12-98
DISTRICT II 811 South First St., Artesia, NM 88210-2835 26	1997 2040 S. Pr. Santa Fe, New Mexi		APPROVAL PROCESS: X Administrative Hearing
DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410-1693	a courte tot treat (tievi		EXISTING WELLBORE X YES NO
Phillips Petroleum	Company 5525	Hwy. 64, Farmingto	on, NM 87401
San Juan 29-5 Unit	#55 M, Se	ec. 18, T29N, R5W	
OGRID NO. 017654 Property Code		Spacing U	County nit Lease Types: (check 1 or more) , State, (and/or) Fee
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
If it i out trains and	72319 Blanco Mesaverde		71599 Basin Dakota
Top and Bottom of Pay Section (Perforations)	4300' - 6030'		7869' - 8006'
3. Type of production (Oil or Gas)	Gas	·	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones:	843 psi (est.)		1224 psi (est.)
All Gas Zones: Estimated Or Measured Original	b. (Original) 1234 psi (est.)	b.	^{b.} 2981 psi (est.)
6. Oil Gravity (*API) or Gas BTU Content	1150 btu/cu. ft.		1000 btu/cu. ft.
7. Producing or Shut-In?			producing
Production Marginal? (yes or no)	Yes		Yes
If Shut-in, give date and oil/gas/ water rates of last production	Date: Rates:	Dete: Rates:	Date: Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data			6/12/07
 If Producing, give date andoil/gas/ water rates of recent test (within 60 days) 	Date: Estimate Rates: 438 mcfd	Date: Rates:	Date: 6/12/97 Retes: 120 mcfd
8. Fixed Percentage Allocation Formula -% for each zone	Oil: Gas: %	Oil: Gst: %	Oil: Gas: %
If allocation formula is based submit attachments with support to the support of the suppor	upon something other than cur oporting data and/or explaining	rrent or past production, or is in method and providing rate pro	based upon some other method, jections or other required data.
 Are all working, overriding, a If not, have all working, ove Have all offset operators bee 	and royalty interests identical in rriding, and royalty interests be n given written notice of the pro	n all commingled zones? en notified by certified mail? oposed downhole commingling:	Yes X No X Yes No X Yes No
	Yes No If yes, are fluids red, and will the allocation form		s not be damaged, will any cross No (If No, attach explanation
12. Are all produced fluids from	all commingled zones compatit	ble with each other? X	Yes No
13. Will the value of production			•
 If this well is on, or community United States Bureau of Lar 	•		
15. NMOCD Reference Cases for	or Rule 303(D) Exceptions:	ORDER NO(S)R-107	70
* Production curve * For zones with n * Data to support a * Notification list o * Notification list o	one to be commingled showing for each zone for at least one to production history, estimated allocation method or formula. f all offset operators. f working, overriding, and roya atements, data, or documents	year." (If not available, attach production rates and supporting interests for uncommon into	explanation.) ng data.
I hereby certify that the informa			
SIGNATURE Seen C	Helle	Staff Reser	CVO11 DATE 6-25-97
TYPE OR PRINT NAME Sea			(505) 599-3455

DAWNY JAAP \$485

District I PO Box 1980, Ilubba, 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

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies ■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numb	er	² Pool Code	³ Pool Name	
30-039-20	1458	72319	Blanco Mesaverde	
⁴ Property Code			5 Property Name	4 Well Number
009256	San d	Juan 29-5 Unit		#55
'OGRID No. 017654	Philli	os Petroleum C	Operator Name Ompany	¹ Elevation

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	18	29N	5W		1100	South	860	West	Rio Arrib

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
11 Dedicated Acre	Joint o	or Infill 14 o	Consolidatio	n Code 15 O	rder No.				
320 acr	Y		U						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLET! OR A NON-STANDARD UNIT HAS B	
OK A NON-STANDARD UNIT HAS B	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	Sam C Helle-
	Signature Sean C. Helton Printed Name Staff Reservoir Engineer
Section 18	June 25, 1997 Date
SF-078277	18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
_860	Date of Survey Signature and Seal of Professional Surveyer: See Dakota C-102
10001	dated 11-24-71
	Certificate Number

NE EXICO OIL CONSERVATION COMMISSICE WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128 Effective 1-1-C

All distances must be from the outer boundaries of the Section EL PASO NATURAL GAS COMPANY (SF-078277) SAN JUAN 29-5 UNIT 18 29-N RIO ARRIBA 860 SOUTH WEST DAKOTA

BASIN DAKOTA

320.00 3/8.97

1. Outline the acreage dedicated to the subject well by colored pencil or hachuse marks on the plat below AND 6/24/42 ~ 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof thath as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? X Yes No If answer is "yes?" type of consolidation ____ Unitization If answer is "no!" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the FEE best of my knowledge and belief. Original Signed F. H. WOOD Petroleum Engineer El Paso Natural Gas Co. December 22, 1971 SECKTON 18 SF-078277 I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. 860 NOVEMBER 24, 1971

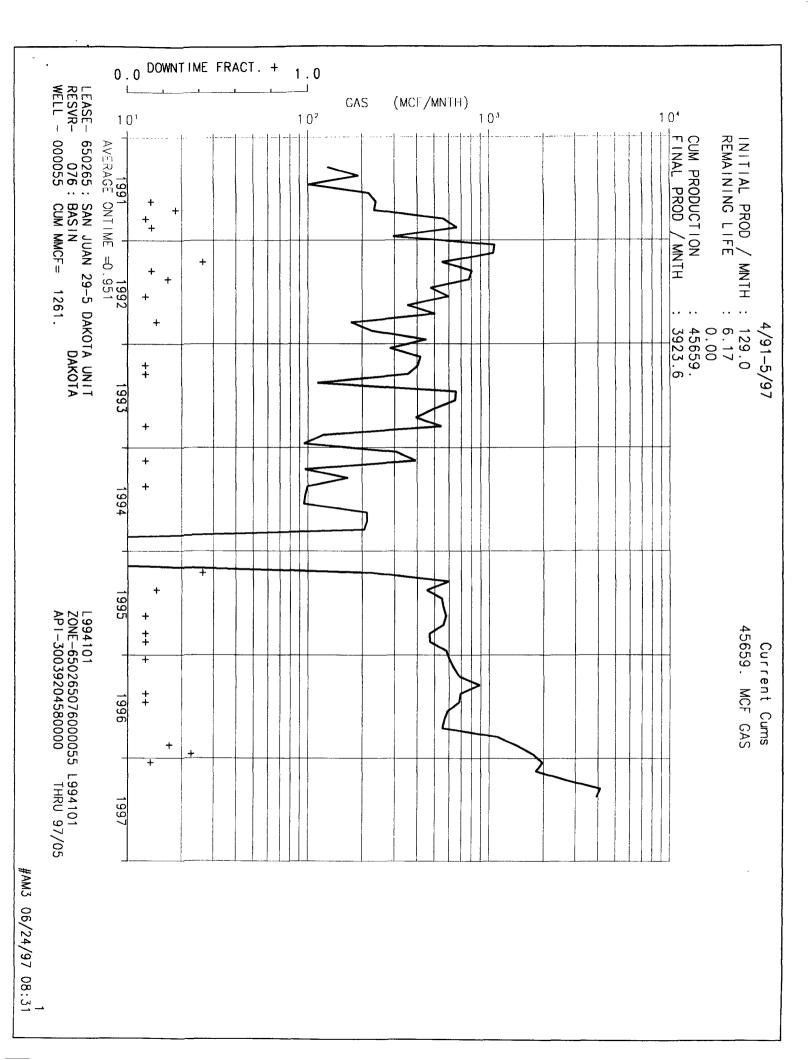
SAN JUAN 29-5 UNIT #55 DAKOTA

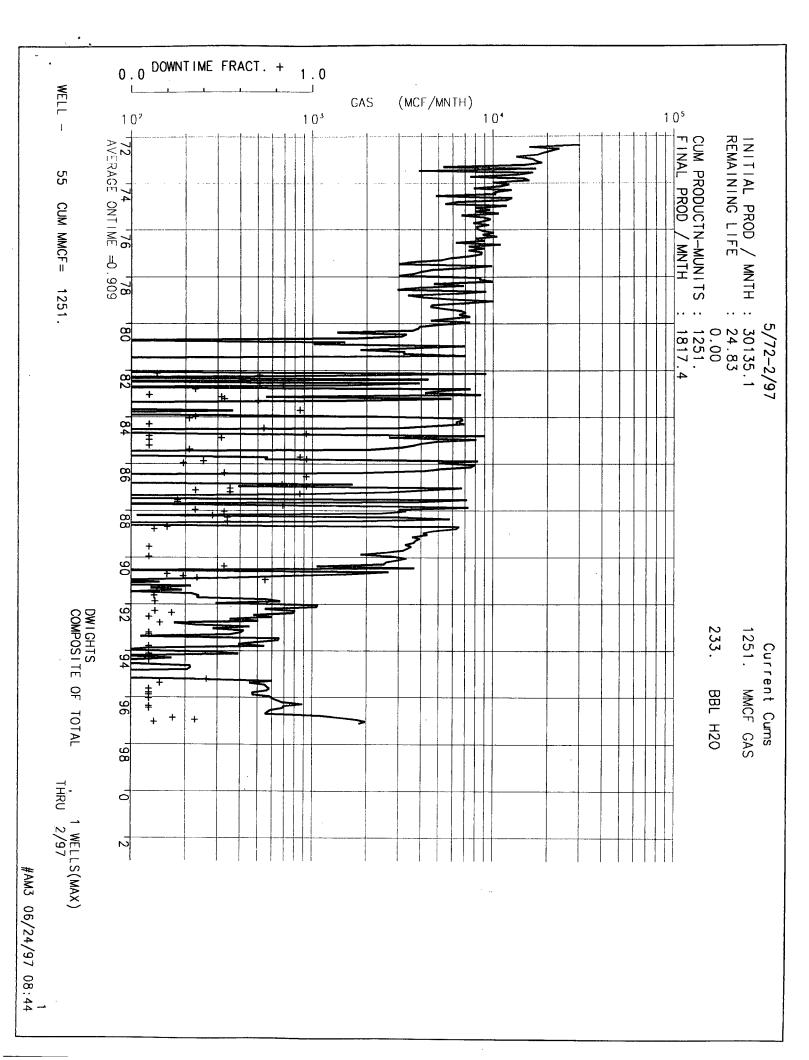
		MONTHLY
		FORECAST
	MONTH	<u>(MCF)</u>
	Jun-97	3600
1	Jul-97	3570
2	Aug-97	3541
3	Sep-97	3512
4	Oct-97	3483
5	Nov-97	3454
6	Dec-97	3426
7	Jan-98	3398
8	Feb-98	3371
9	Mar-98	3343
10	Apr-98	3316
11	May-98	3290
12	Jun-98	3263
13	Jul-98	3237
14	Aug-98	3211
15	Sep-98	3185
16	Oct-98	3160
17	Nov-98	3135
18	Dec-98	3110

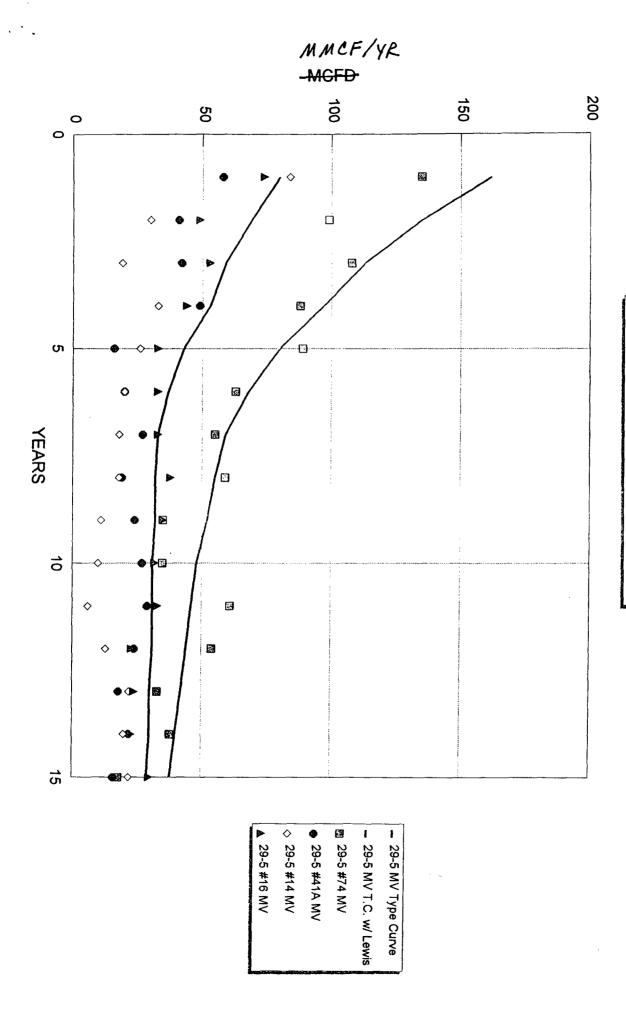
0	23991	0.00	TAL	13 13	CTIC	SEL	L994101 SELECTION TOTAL		
0	14042	0.00		YEARLY TOTAL	TY]	ΥEΑΙ			
0	3899	0.00	20076	N	03	11	31.00	31	199705
0	3955	0.00	20076	2	03	11	30.00	30	199704
0	2635	0.00	20076	2	03	11	31.00		199703
0	1631	0.00	20076	2	03	11	28.00		199702
0	1922	0.00	20076	2	03	11	27.00	27	199701
0	9949	0.00		YEARLY TOTAL	מבע ז	YEAF			
0	1763	0.00	20076	2	03	11	20.00	20	199612
0	1349	0.00	20076	2	03	11	23.00	23	199611
0	1123	0.00	20076	2	03	11	31.00	31	199610
0	521	0.00	20076	2	03	11	30.00	30	199609
0	552	0.00	20076	2	03	11	31.00	31	199608
0	594	0.00	20076	2	03	11	31.00	31	199607
0	659	0.00	20076	2	03	11	29.00	29	199606
0	692	0.00	20076	2	03	11	28.00	28	199605
0	851	0.00	20076	2	03	11	30.00	30	199604
0	682	0.00	20076	2	03	11	31.00	31	199603
0	574	0.00	20076	2	03	11	29.00	29	199602
0 0	589 ERODUCTION	0.00	20076	2	의E	II:	30.00	30	199601
WATER	GAS	OIL		1	3	3	DAYS	DAYS	2
1 OF 1	WELL:	UNIT	DAKOTA UNIT TA	29-5 D. DAKOTA		SAN JUAN RESVR:	650265 - 0	••	PROPERTY:
DATE: 06/24/97 USER: SCHELTO	·	ELLZONE L994101	PRODUCTION HISTORY FOR WELLZONE	STOR	IH N	JCTIC	PROD	2	M2Y60-02
			 		1				
TE: 06/24/97 SE: 1	DATE; PAGE;	PHS SELECTION ENGINE PRODUCTION DETAIL REPORT	PHS SELECTION ENGINE	CTIO	PHS	м		6 2	P2Y42-R02 08:27:16
		PHILLIPS PETROLEUM COMPANY	ETROLEU	PS P	III	ਸ਼ੁਰ			

L994101 LIFE CUMULATIVE

0.00 1230381







SAN JUAN 29-5 UNIT

MESAVERDE

Production Allocation Methodology

- ♦ Adding New Zone to Existing Zone Initially Subtraction Method followed by Fixed Allocation Method
 - Subtraction Method (+/- 1st 12 months)
 - Forecast production rate by month for existing zone utilizing established decline curve for zone
 - Subtract forecasted rate from commingled rate to define new zone rate
 - Utilize subtraction method for +/- 12 months until new zone rate stabilizes, then utilize fixed allocation method with current rates
 - Fixed Allocation Method (after Subtraction Method)
 - Utilize forecasted rate from established decline curve for lower zone
 - Calculate upper zone rate by subtracting lower zone rate from commingled rate
 - Lower zone allocation = <u>Lower zone rate</u>
 Commingled rate
 - Upper zone allocation = (Commingled rate - Lower zone rate) / Commingled rate