## NEW MEXICO OIL CONSERVATION COMMISSION

## Form C-122

Revised 12-1-55

			MULTI	-POINT BA	ACK PRES	SURE TES	T FOR GAS	WELLS		1.01100	
Paol	Jalmat Formation Yates							County Lea			
Init	ial	A	Innual		Spec	ial <u>X</u>		_Date of '	rest	4-18-	58
Comp	any <u>SOUTH</u> PETRO	ERN CAL	IFORNIA	]	Lease	Mosley		Well	1 No	2	
Unit	PETRO	LEUM CC lec. <u>34</u>	Twp_24	<b>DN</b> Rge	. <u> </u>	Purc	haser	El Paso	Nat'l	Gas	Co.
Casi	ing_7W	t. <u>23.0</u>	I.D6	.366 Set	t at <u>32</u>	97Pe	rf2	952	To	3040	
Tubing 21 Wt. 6.5 I.D. 2.441 Set at 2946 Perf. Open end To											
	Pay: From										13.2
		-									
Producing Thru:       Casing       Tubing       Type Well       Single         Single-Bradenhead-G. G. or G.O. Dual         Date of Completion:       3-26-53       Packer       2915       Reservoir Temp											
	*		<u> </u>			ED DATA					
Tested Through (Prover) (Choke) (Meter) Type Taps Flange											
							Data				
T	(D		w Data*5					Casing D Press.		ł,	Duration
No.		(Orific	e) Press	• DIII•	Temp.	rress.		rress.	Temb.		of Flow
	Size	Size	psig	hw	° <sub>F</sub> .	psig	° <sub>F</sub> .	psig	<sup>⊃</sup> F∙		Hr.
SI		<b> </b>			······································	506					72
1.	4	.750	10	12.50	* 60	<b>596</b> 10					24
2.							ļ			ļ	
3.	Low pres	sure-la	ow volum	e xell		***					
<u>4.</u> 5.	Unable t test was	obtai	n test	data du	rang m	1ty ta	t sched	BCDeou	-58	nd av	OF LAIR
	Jalmat s	lope of	.771 d	rawn th	ru one	point.					
	0	Jalmat slope of .771 dr			FLOW CALCULATIONS ressure Flow Temp. Gravit			Commo		Pata	of Flow
No.	Coefficient			ressure	essure Flow Fac		Factor			Q-MCFPD	
10.	(24-Hour) 7		h <sub>w</sub> p <sub>f</sub>	psia		t	Fg	Fpv		@ 15.025 psia	
1.	3,435		16,95		.940		1.000	neg,		<u>55 ×</u>	
1. 2. 3. 4. 5.											
3.											
4.									ł		
- <u></u> -								<u></u>			
				PRI	ESSURE C	ALCULATI	ONS				
			<b></b>	-	- e / 7		Sacai	fia Cmarri	tu Sona	matan	Gas655
	Liquid Hydro ty of Liqui			Dry	cf/bbl. deg.		Speci	fic Gravi	ty Sepa tv Flow	ing F	luid
		<u>6</u>	(1-e <sup>-s</sup> )	0.126			P_	609.2	P2	371.	1
( <u>-</u>		······				•	Ç <u></u>				
			T								
No.	Pw	$P_{t}^{2}$	6.4	(F <sub>c</sub> Q) <sup>2</sup>	(1	$(cQ)^2$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	C.a	1.	P
110.	Pt (psia)	۳t	F <sub>c</sub> Q	(1.6.9)		$\left  e^{-S} \right $	' w~	1 C - 1 W		W	P <sub>W</sub> P <sub>C</sub>
$\frac{1}{1}$	23.2	.54	neg.	neg.		neg.	.54	370.6		w	_
1. 2. 3. 4. 5.											
3.								ļ			
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		· -	F.6				<u>,                                     </u>	l,			
	plute Potent		56	11T A TWO		n <u>.771</u>					
COMPANY SOUTHERN CALIFORNIA PETROLEUM CORDORATION ADDRESS BOX 1071 Midland. Texas											
	NT and TITLE	oz 107.		Tawan		D	Luigi on	Enginee	p	5-2	-58
WITNESSED Tested by E. G. Smith											
COMPANY El Paso Natural Gas Co.											

REMARKS

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## INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

## NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure ( $P_w$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P<sub>W</sub>: Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P<sub>f</sub> Meter pressure, psia.
- hw Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>pv</sub>- Supercompressability factor.
- n \_ Slope of back pressure curve.
- Note: If  $P_w$  cannot be taken because of manner of completion or condition of well, then  $P_w$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_+$ .