3-OCC
1-H.L. Kendrick
1-B. Parrish
NEW MEXICO OIL CONSERVATION COMMISSION
1-Comm. of Pub. Lands
2 EPMG, El Paso, Farm.
1-Phillips, 1-TCA
1-Speciely (Helland)
NULTI DOINT DACK PRESSURE TEST FOR GAS WI

Form C-122 Revised 12-1-55

	l-Snoddy (H l-F	olland	1)	MULT:	I-POINT BA	ACK PRESS	SURE TEST	FOR GAS	WELLS		TICATO	,u == - >>
<b>—</b> •				Formation DAKOTA				County Rio Arriba				
nit	ial X	<u> </u>	_Annu	al		Spec	ial		_Date of T	[est	2/23/	63
omp	any <u>Beta D</u>	evelor	ment	Co.	]	Lease <b>\$</b>	an Juan	29-6	Well	No1	Init #	77
	<u>н</u> s											
	ng 4}" W											
	ng <u>2 3/8"</u> W											
	Pay: From_											
orod	ucing Thru:	Cas	ing_	-	Tul	bing	Sin	Type We zle-Brade	ell <b>Sine</b> enhead-G. (	le- Ge	.O. D	ual
)ate	of Complet	ion:_	12/1	0/63	Packe	r		Reservo	ir Temp		<del></del>	
						OBSERVI	ED DATA					
ľe <b>st</b>	ed Through	(Page	(ma)	Choke	) (Noton)	•			Туре Тар	8		
			low D				Tubing		Casing D	ta	<del></del>	
VO.	(Prover) (Line)	1/4		i .	,	i I			Press.		ı	Duration of Flow
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SI l.						70	2755	70	2755 736			Ys
2.		*	4 <u>"</u> —	100		70						
3.								<u> </u>			<u> </u>	
5. 1												
$\overline{}$	FLOW CALCULATIONS  Coefficient   Pressure   Flow Temp.   Gravity   Compress.   Rate of Flow Temp.   Compress.   Compress											
No.	(24-Hour) $\sqrt{h}$		$\sqrt{h_{\mathbf{w}}}$	wp <sub>f</sub> psia		Factor Ft		Factor F <sub>g</sub>	Factor F <sub>pv</sub>		Q-MCFPD 15.025 psia	
1.	12,3680			199		.9905		.9463	1.019	1.019 2,3		351
2 <b>.</b> 3.												
4.												
as I ravi	Liquid Hydro Lty of Liqui	d Hydi	rocarb	oons l-e <sup>-s</sup>		ESSURE C		Spec:	ific Gravi ific Gravi <i>2</i> 167 <b>748</b>	ty Flo	wing F <b>7656</b>	'luid
-т	P <sub>w</sub>	<u> </u>						· W	1			
No.	Pt (psia)	P	F	cQ	$(F_cQ)^2$	'   (F	'cQ) <sup>2</sup> '-e-s)	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al. P <sub>w</sub>	Pw Pc
1.	Tt (psia)							569.5	7096.8			<b>-270</b>
2. 3.					<del></del>							
4.					1					+		
5. Abso	olute Potent	ial:	<del></del>	97	<del></del>	MCFPD;	n					
COMI	PANY	Sata	Descel	COMO	t Co.							
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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 I Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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
- Pf Meter pressure, psia.
- $h_{\mathbf{w}}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fnv 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  $P_+$ .