1 Standard of Texas

## NEW MEXICO OIL CONSERVATION COMMISSION

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												Form C-122 Revised 12-1-55	
									ST FOR GA:				
												12-9-59	
									rook			1-19	
Uni	t	<u> </u>	Sec	L9 Tw	P - 24	276 Re	se <b>6</b> W	Pur	chaser				
									erf. 64				
Tub	ing <b>2-</b> 3	1/8" N	it4	. 70# I	.D. <u>1.</u>	995 Se	t at	<b>424</b> P	erf. 64	18	То	<u> </u>	
Gas	Pay:	From	6422	To	6460	L <b>6</b>	404 x	.G63(		4034	Bar.Pr	ess	
Pro	ducing	Thru:	Ca	sing		Tu	bing X	C d	Type We	G. G.	Dual	3. O. Duo3	
Dat	e of Co	mplet	ion:_	11-2	23 - 59	Packe	r6340	) 51	ngle-Brade	oir Temp.	G. Or (	J.O. Dual	
							OBSERV	ED DATA					
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				Flow Da					g Data	Casing D		1	
No.		ver) ne)	(Ori	fice)	Press.	Diff.	Temp.			Press.	1	Duration of Flow	
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1. 2. 3.			3/	4	95		580				ļ	3 hours	
4. 5.													
							FLOW CAL	CULATIO	NS				
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3 c	12.	365				109	1.0019		. 9759	1.0	10	1331	
5.	<del></del>			L								<u> </u>	
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lo.	Pt (p	sia)	Pt	Fc	Q	$(F_cQ)^2$	(F)	<sub>cQ</sub> ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	1	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
2.													
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Gas	Pay:	From_	6422	_To	6460	L_ <b>6</b>	404 ,	cG630		4034	Bar.Pr	ess	
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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
- $P_{w}$  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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I 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  $P_{+}$ .

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## VAL R. REESE & ASSOCIATES, INC.

				Company Val R. Rec				
				Lease	Lybreck	Well No.	1-19	
	SI Da	kota 2198	Date of	Date of Test 12-9-59				
		Gal		al				
Shut in	Pressure	(PSIG): Tubing	<b>1637</b> Cas	ing	S.I. Peri	od	_Days	
Size B	low Nipple	3/4" choke						
Flow T	hrough	Tubing	Work	ing Pressu	res From	None		
<b></b>		-halea	Gal. Tbg.		lal. Cag.	YYY		
	me Minutes	choke Pressure	angerbelikert Kaneladr	_	HREETWORK	<del>ng</del> F Temp	)	
			1848		1080	<del></del>	- 50 <sup>0</sup>	
0	30	201 165	1642 1643		1659 16 <b>5</b> 1	<del></del>	52°	
0	45	145	1643		1860		530	
1	0	131	1643		1860		550	
2	0	110	1643		1660		56°	
3		97	1643		1660		58 <sup>0</sup>	
Start A	At11:	50 AM 12-9-59	Enc	d Test At_	2:50 Ph	A 12-9-59		
Remar	ks: <b>Ligh</b>	t spray of water	& distillate thr	oughout ter	st.			
				<del></del>				
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				Tested	l by: Jim Ji	cobs		
				Witnes	SS:			