									WELLS		Revised	12-1-55	
Pool Basin Dakota			Fo	FormationDakota				CountySan Juan					
Init	Initial XX Annual				Special_				Date of Test_18-15-62				
Comp	any South	ern (	Inion P	rod. Co	)•	LeaseC	ongress	Lachman	Wel	l No	<u>k</u>	<del></del>	
Unit	<b>M</b> s	Sec	18 Tw	p. 28-	Rg Rg	e. 10-	W_Purcl	naserS	Southern U	ndon G	us Co.		
	ng 4-1/2 W	_											
Tubing 2-3/8 Wt. 4.70 I.D. 1.995 Set at 6331 Perf. 6316 To 6331													
	Pay: From_			-	_		•					,0	
Desard	waina Mhawa	Co	aina		ጥነነ	hina	TY	Tyne We	II Sino	le Ges			
Date	of Complet	ion:	10-8-	-62	Packe	r Non	Sin <sub>t</sub>	gle-Brade Reservo	nhead-G. ir Temp	G. or C	.O. Dual		
		_				OBSERV			-			<u></u>	
Tested Through (Prover) (Choke) (Meter) Type Taps													
Dia Data							Tubing Data   Casing Data						
$\neg \top$	(Prover)	(Ch	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Dur	ation	
No.	(Line)	(Ori	fice)	1	1 (	1	psig	1	psig	i .	1 01	LIOM	
-	Size		olze	psig	h <sub>w</sub>	r •	1795		1788		7 days		
SI 1.	211	3/4*		539		680	539	860	1217		3 hr		
2.									,				
3.				<b>_</b>							<del> </del>		
4. 5.		<del> </del>		<del> </del>	<b> </b>		<b></b>				<u> </u>		
<u> </u>				<del></del>	<u> </u>	DT ON CAT	CUT A STON			4.,		<del></del>	
г	Coefficient			Pr	Pressure		CULATION:	Gravity	Compre	Compress.		Rate of Flow	
No.		$(24-\text{Hour})  \sqrt{h_{\text{W}}}$				Factor		<b>Factor</b>	Factor		Q-MCFPD		
	(24-Hou			$^{ m p}{ m f}$	f psia		t	Fg	Fpv		● 15.025 psia		
1.	12.3650				551	•9759		.9258	1.0	)57	6506		
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<u> </u>			+										
5.			1										
_			<b>.</b>		PR		ealcui <b>ati</b>		ific Gravi	tu Sand	anatan Ge	. c	
	iquid Hydro ty of Liqui				<del></del>	cf/bbl. deg.			fic Gravi				
'c	•		(	1-e <sup>-8</sup> )			_	P <sub>c</sub>	1807	_ <sub>Pc</sub>	3265.2		
								-					
Т	$P_{\mathbf{W}}$	Ι.	2 -	· <sub>c</sub> Q	/n 0)2	(1	2012	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		al. F	p	
No.	Pt (psia)		Pt F		(F <sub>c</sub> Q) <sup>2</sup>						P <sub>w</sub> P <sub>c</sub>		
1.								1510.4	1754.8			.680	
1. 2. 3. 4.		<del> </del>											
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	lute Potent	ial:	10	,365		MCFPD;	n	5					
COME		nem	UIII.OR	TOGUST	ion Com	rton. Nen	w Mexico			-		<del></del>	
ADDF	WSS_ NT and TITLE		Verne	Rockho	1d - Jr.	Engine	er		PP L	TIER	$\overline{z}$		
	ESSED_		Verne	Rockho	1d				JOIN!	TATE	1		
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REMARKS

## 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  $(P_w)$ . MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$  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
- $P_{f}$  Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{DV}$  Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .