## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	Pool Angels Peak Dakots Formation Dakots					County San Juan				
nitial										
mpanyan Ameri	.cen Petrol	eum Cosp.	Leas	e USA Har	grave «K»	Wel	1 No. <u>1</u>			
it X S	ec. <b>16</b> Tv	vp. 278	Rge. <u>1</u>	Pt Pt	irchaser <b>Sout</b>	hern Unic	m Gas C	SHED ALEY		
sing 4-1/2 W	t. <b>9.5</b>	L.D. 4.090	Set at	6465	Perf. 6334	<u> </u>	To 637	3		
bing 2-3/8 W	t.4.7	[.D. 1.995	Set at	6324	Perf.	ded; no p	erforat	Lone		
s Pay: From 6										
_							_			
oducing Thru:	-26-	50	Packen	iana	Single-Brade	nhead-G.	G. or G.	O. Dual		
ce of Complet.	10n:	<u></u>				11 16mb.	<u> </u>			
			OE	SERVED DAT	'A					
sted Through	(Fiver)	(Choke)	loor)			Type Tap	·s			
1	Flow I (Choke)		Diff. Te		ng Data	Casing D		Duration		
. (Line)	THE CHARGE !	1 1		-		psig	1	of Flow Hr.		
Size		psig	n <sub>w</sub>	1921	g	1945	•			
3	4815-22		<u></u>				=-	houre		
		++						·		
<u> </u>	L	<u> </u>					11			
				V CALCULAT			·			
Coeffici	ent	Pre	ssure F		Gravity Factor		ss. I	Rate of Flow Q-MCFPD		
• (24-Hou	$r)   \sqrt{h_1}$	<del></del>   p	sia			Fpv		15.025 psia		
12,365		I	,2	1,000	0.9258	1,01	6	14,2		
							<del></del>			
Liquid Hydro vity of Liquid	d Hydrocarl		cf/	TRE CALCUIA bl. deg.	Speci Speci	fic Gravi fic Gravi	ty Flow	rator Gasing Fluid		
		- 0	$(F_cQ)^2$	(F <sub>-</sub> Q) <sup>2</sup>	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	P <sub>W</sub>		
P <sub>w</sub>	P <sub>1</sub> <sup>2</sup>   1	H'_U_				, U #		P <sub>C</sub>		
P <sub>w</sub> Pt (psia)	P <sub>t</sub> 1	F <sub>c</sub> Q		$\frac{\left(F_{c}Q\right)^{2}}{\left(1-e^{-s}\right)}$	"	7 <b>7</b>	P	<u> </u>		
P <sub>w</sub> Pt (psia)	P <sub>t</sub> <sup>2</sup>	r <sub>c</sub> Q	(-64)	(1-e-s)	328,096 3	73		V		
P <sub>w</sub> Pt (psia)	Pt 1	r <sub>c</sub> u		(1-e-s)	"	575 <u>775</u>	1	V		
P <sub>w</sub>	Pt :	*cu		(1-e-s)	"	ATO 373		V		
Pw Pt (psia) Psolute Potent MPAN DDRESS	ial: 176	6 Braza Compto	M(	CFPD; n <b>0.7</b>	318,096 3					
Pw Pt (psia) Psolute Potent MPAN DDRESS ENT and TITLE	ial: 176	6 Braza Compto	M(	CFPD; n <b>0.7</b>	3208,096 3					
Pw Pt (psia) Solute Potent MPAN DRESS	ial: 176	6 Braza Compto	M(	CFPD; n <b>0.7</b>	3208,096 3					

## 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  $\subseteq$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- $F_{\text{nv}}$  Supercompressability factor.
- n I Slope of back pressure curve.

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

OIL CONSERVATION COMMISSION								
AZTEC DISTRICT OFFICE								
No. Copies Received 2								
DISTRIBUTION								
	40. Ispanies							
Operator		,						
Senta le	1							
Pro Arten Orth	1							
State Card Dates								
U. A. C. C								
Iransporter								
Flie		1						