Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revised		12	-1	<b>-</b> 55

Pool	Ballard	<u> </u>		Formation	Pic1	tured Cli	ffs	_County	Rio A	rriba		
Initial X Annual Special Date of Test New 6, 1960												
Compa	ny <b>Ariso</b>	a Explor	ations.	Ino.	Lease	Mosrilla	н	Wel	1 No	7		
Unit		Sec6_	_Twp2	Rg_Rg	e <u>5</u> w	Purc	haser <b>Sc</b>	uthern Un	ion Ge	e Company		
Casin	g 54 V	vt. <u>15.5</u>	I.D	<b>4.950</b> Se	t at 21	1 <b>60</b> Pe	rf. 2050	)	To	068		
ľubin	g_ <b>l</b> av	it. 2.4	<u>G</u> I.D	1 <b>.380</b> Se	t at 20	<b>)62</b> Pe	rf. 2062	! 	То			
Gas P	ay: From	T C205	o <u>2068</u>	L_ <b>20</b>	50	xG_0.650		1332	Bar.Pr	ess. 12.0		
Produ	cing Thru:	Casin	gX_	Tu	bing		Type We	ll Sing	le			
						Sin	gle-Brade	nhead-G	G. or i	G.O. Dual		
						VED DATA						
[este	d Through	(Presex	) (Choke	) (Meker)				Туре Тар	S			
	<del></del>		w Data			Tubing	Data	Casing D				
lo.	(Line)		) Pres	s. Diff.	Temp.					Duration of Flow		
	Size	Size	psi	g h <sub>w</sub>	°F•	psig	°F.	psig	<sup>⊃</sup> F•	Hr.		
SI .						599	<b> </b>	600		SI		
3. □	2	3/4	54		64	117				3 brs.		
	·											
		<u> </u>	<del> +</del>	<del> </del>	FT.OW CAT	CULATION	S		L <u></u>	<u> </u>		
No.	Coeffici	ent	1	Pressure Fl		Temp.	Gravity	Compress. Factor		Rate of Flow		
	(24-Hou	r) $$	hwpf	psia	F	t	Fg	Fpv		@ 15.025 psia		
2.												
c	12.365			66	0.996	(2	0.9608	1.01	0	744		
									I			
				PR.	ESSURE C	CALCULATI	ons					
	quid Hyd <mark>ro</mark> y of Liqui				cf/bbl.					arator Gas wing Fluid		
-	1.311	_	(1-e <sup>-s</sup> ]	0.092		-		611				
	P <sub>w</sub>	<del></del>	<del> </del>		<del>-   -   -   -     -     -              </del>				1			
lo •	Pt (psia)	$P_{\mathbf{t}}^{2}$	$F_cQ$	$(F_cQ)^2$	(F	$\left(\frac{1}{2} \left(\frac{Q}{2}\right)^2\right)^2$	$P_w^2$	$P_c^2 - P_w^2$		$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$		
$\cdot$	f (bara)				(1				<u> </u>	P <sub>w</sub> P <sub>c</sub>		
	66	4-356	0.975	0.9506		7	14.161	359.160		1.059		
•												
	ute Potent				_MCFPD;	n 0.85	/1.0330		/eri	CIVEN		
OMPAL DDRE	SS A17 N	ma Explo codown B	14g., Da	lles 6. T	) I O S		м. в. JO	NES /	Rib			
	and TITLE SSED <b>Ge</b>		a B. Jone dicott	es. Consu	lting &	gineer	M. D. 30		MAY I	8 1960		
		izona Ex		ns, Inc.	REM	MARKS		<del></del>		N. COM.		
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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 (Pw). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mbox{\scriptsize W}}\mbox{\small I}$  Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{\mathrm{DV}}$  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  $P_{\rm t}$ .