Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Blance				Formation Magazeros					County Rio Arriba				
Init	tial	<del></del>	Annu	al		Spec	ial		Date of	Test_1	2/12/	57	
Comp	pany <b>Magno</b>	lia Pe	trole	ım Co.		Lease_ <b>J</b> 1	earilla	*D*	Wel	1 No. <u>6</u>	M.V.		
Unit B Sec. 24 Twp Rge. 3W Purchaser Pacific Merthwest													
Casi	ing 5 1/2" I	Wt. 114	I	.D. <u>5.0</u>	12 <b>°</b> Se	t at <b>638</b> 0	<b>)</b> Pe	rf. 57	241	To_ <b>622</b>	91		
Tubi	ing 2 3/8 I	Wt. <u>h.7</u>	<u> </u>	.D. <u>1.9</u>	<b>95 S</b> e	t at_ <b>56</b> 9	<b>281</b> Pe	rf	-	To	<b>n</b>		
Gas	Pay: From	57 <b>2</b> 91	_To_ <b>6</b> ;	291	L5	698 x	GEst. O	.68 <u>-</u> GL_	3875	Bar.Pre	ss B	12.psi	
	lucing Thru							Type W	ell G.G.D	ıal	·		
Date	of Complet	tion:_	11/19/	/57	Packe	r_56901	Sin	gle-Brad Reserv	enhead-G. oir Temp.	G. or G	.o. D	ual	
						OBSERV.	ED DATA						
Test	ed Through	(Bac)	<u>(</u>	Choke)	(Mecess)				Туре Тар	s_ <del>-</del>	<del></del>		
		F	low D	ata		1	Tubing	Data	Casing D	ata	_		
No.	(Line)	XXX Cabi	Mixes)		1 1			Temp.		!		Duration of Flow	
SI	Size	Si	ize	psig	h <sub>w</sub>	°F.	psig		<del> </del>		-	Hr.	
1.	2*	0-	750*	6h	-	56	7400	56			3 hr		
1. 2. 3.													
3.		<del> </del>		ļ	ļ								
4. 5.	·			<del> </del>					<u> </u>	ļ			
	<del></del>			<del></del>	<u> </u>	·		<u> </u>	<del></del>	L		**	
	Coeffici	ent		T <sub>D</sub> .			CULATION		10		D.J.		
No.	(24-Hou		$\sqrt{h_{\mathbf{w}^{\mathbf{l}}}}$		psia	Fact Fact	tor	Factor Fg	Compre Facto	r	Q-MC	or Flow FPD 025 psia	
1. 2.	12.3650		VWPI		76	·	1,0039		- pv		886		
2 <b>.</b> 3.								.9393					
) c 4.						·							
5.											<del></del>	<del></del>	
las L	iquid Hydro	ca rbon	Ratio	2	PRE	ESSURE CA	ALCUTATIO		ific Gravit	tw Sonn	mat ax	Can	
	ty of Liqui		ocarbo	ons_		deg.		Spec	ific Gravit				
'с	9.1:02	<del></del>	(:	l-e <sup>-s</sup> ∑	.246			Pc	1478	_P <sub>c</sub> <b>2</b>	184.5		
												-	
No.	Pt (psia)	Pt2	F	,Q	$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca. P.	1.	Р <b>w</b> Р <b>c</b>	
1. 2. 3.	76	5.8	8.		68.9	16,	.9	22.7	2161.	3	· -		
3.						<del>-  </del>				-	<del>-   -</del>		
4.										<del> </del>	<u> </u>		
5.													
Abso]	Lute Potent ANY MAGNO			HO3	ANY	_MCFPD;	n <u>0.7</u>	5					
ADDRI	ESS P.O.	BOX 2	406, j	IOBBS.	NEW MEX		——————————————————————————————————————						
	r and TITLE ESSED	2/	ella	àm 6	i. Zm	<u>ngan</u>	G	es Engine	er				
COMPA		<u> </u>				-	<del></del>	<del></del>			<del></del>	<u> </u>	
		<del></del> -				REMA	RKS		11	LIM	1		
				• .		-			/RL	TIAC	/ע		

## 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 = 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.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv 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  $P_{\mathbf{L}}$ .

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