## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	South Blanco Formation Pictured Cliffs							County Rio Arriba				
Init	ial_ <b>T</b>	Ar	nnual		Speci	ial		_Date of T	'e <b>s</b> t <u>10-</u>	10-57	<del></del>	
Compa	any <u>Magnol</u>	La Petro	Lenum Comp	any I	Lease <b>ll. O. Haghes</b>			Well No. 3				
Unit	Se	ec8	_Twp <b>2h</b> ]	Rge-	3¥	Purch	aser Pa	cific Nor	hest			
	ng <b>5 1/2"</b> Wt										g	
Tubi	ng 2 3/8 Wt	·	_I.D	Set_Set	at_306;	Per	f			<b>.</b>		
Gas :	Pay: From_	30381T	3089!	L_30	53x	G0.68_	<u>=</u> GL	F	Bar.Pre	ss•_pı	dg	
Prod	ucing Thru:	Casin	ğ	Tul	oing	Sing	_Type We	11 <b>Single</b>	G. or G	.O. Di	ıal	
Date	of Complet	ion: <b></b>	<del>30-57</del>	Packe:	Hone_		Reservo	ir Temp				
		·			OBSERV							
Test	ed Through	(Pressent	(Choke)	(Machacae)				Type Tap	5			
		Flo	w Data			Tubing	Data	Casing Data		I		
No.	(Line)	(Choke	Press	Diff.				1			of Flow	
r	Size	Size	psig	s h <sub>w</sub>	F.			psig	· F •		Hr.	
SI l.	28	0.750	173		63	909 173	63			3 ho	nra	
1. 2. 3.												
4.										<u> </u>		
<u> </u>			<del> </del>					<del></del>	<del></del>	<del></del>		
	Coeffici	ent.	<del></del>	Pressure	Flow	CULATION Temp.	Gravity	Compre	ss.	Rate	of Flow	
No.	ا					Factor		Factor		Q-MCFPD @ 15.025 psia		
+	(24-Hour) √		1 P P P P P P P P P P P P P P P P P P P	185		9971		1.020		2,185		
1. 2. 3. 4. 5.	12,3550											
3° 4.												
5.												
				PF	RESSURE (	CALCUIATI	ONS					
Gas I	Liquid Hydro	carbon I	Ratio				Spec	ific Gravi	ty Sep	arator	Gas Cluid0_68	
	ity of Liqui			141	deg	•	Pc	921	_P <sub>C</sub>	848.2		
	<del>7</del> -4446		•									
	P.	-2		(F 0)	2 (	E 0)2	P <sub>w</sub> 2	$P_c^2 - P_w^2$		al.	P.,,	
No.	Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q)		F <sub>c</sub> Q) <sup>2</sup> 1-e <sup>-s</sup> )	- w~			P <sub>w</sub>	P <sub>w</sub> P <sub>c</sub>	
Ţ.	185	34-2	20.5	L20-3	59	.3	93.5	754.	73	26		
3.										***		
1. 2. 3. 4.												
	olute Poren	tial:	2.11	8	MCFPD	; n_0.85		<b></b> _0	117	7		
COM	PANY MARKE	TTA BEF	POT PUR CO	MENTO				OIL	CON.	<b>304</b>		
AGE	RESS CNT and TITL	Max	44	Thit	, Ges	Engineer		-	DIST	*	<u> </u>	
	'NESSED IPANY	<del></del>							1	Ser Ser		
- ••					RE	MARKS						

## 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 Re.

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 600 F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw 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 through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}^{-}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{DV}$  Supercompressability factor.
- n I Slope of back pressure curve.

Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to Pt.

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