## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Tarneito	· rictured	ill#or	rmation_	tetur	ed Cilf	18	_County	Pio A	rriba
Initial Special Date of Test 10-5-57									0-5-57
Company Pak	Le	ase Fre	d sidli	is "C"	Well No. 1				
UnitSe	ec. <u>15</u> Tw	⊋ <b>258</b> _	Rge.	<u>): _</u>	Pur	chaser 1	Faso Batu	srel Ca	GORDANY
Casing 54 W	<u>u</u> I	.D. <b>j.M</b>	Set	at_ <b>369</b>	)Pe	erf <b>3</b>	31.6	То	3658
Tubing 2-3/8 W	. <b>4.7</b> € I	.D. <u>1.79</u>	ے Set	at	<b>1.5</b> Pe	erf3	639	To	3845
Gas Pay: From_	To_	£56	_L <u>}8</u> 3	<b>2</b> x(	0.7W		2687	Bar.Pre	ess. <u>12</u>
Producing Thru:	Casing_	_ X	Tubi	ng	Q.	Type We	ell Cas .	- Sirel	3 O Puel
Date of Complet:	ion: 9-10-	-57	Packer_		511	ngie-Brade Reservo	ennead-G. oir Temp	1030	J.O. Dual
				OBSERVI	ED DATA				
Tested Through	(Dramer) (	Choke)	Motorx)				Type Tap	s	
	Flow Data		Tubi			ng Data   Casing		ata	I
(Prover) No. (Line)	(Choke) (Orifice)	Press.	Diff.	1		l l	1	!	Duration of Flow
No. (Line) Size		psig	h <sub>w</sub>	°F•		~	psig	°F∙	Hr.
SI <b>Shet-in 25</b> c	3/A# 135M	877	60		1050		101.9 679	60	3 bours
2. 3.								<u> </u>	
4. 5.									
		· <del>•</del>	FL	OW CAL	CULATIO	NS			
No. Coeffici	essure	ssure Flow Temp.			Gravity Compress. Factor Factor		Rate of Flow		
$(24-Hour)$ $\sqrt{h_{wl}}$			psia	Ft		F <sub>g</sub> F <sub>p</sub>			@ 15.025 psia
1. 14.1605(1 2.			<b>189</b>	1,00		0.9258	1.12	1	13,065
3. 4.									
5.									
			PRES	SURE C	ALCUTAT	IONS			
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Se Gravity of Liquid Hydrocarbons deg. Specific Gravity Fl									arator Gaswing Fluid <b>).7</b> 00 •
c	-	(1-e <sup>-s</sup> )			•	Pc	1062	_Pc	127.84
ם ו				1			<del></del>	<del></del>	
No.	$P_{\mathbf{t}}^2 \mid \mathbf{F}$	·c2	$(F_cQ)^2$	(F	$\left(\frac{cQ}{c^{-S}}\right)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		al. $\frac{P_{W}}{P_{C}}$
Pt (psia)				- (1		820,836	307.0XA		P <sub>w</sub> P <sub>c</sub> O.853
3.									
1. 2. 3. 4. 5.							<u> </u>		
Absolute Potential: 37,522 MCFPD; n 0.65									
COMPANY PAN ADD CAN INTRODUCE OF PLAN SQUEET OF PLA									Mukifel)
AGENT and TITLER. M. Newer, Jr., Fleid Ingliner WITNESSED									OIL CON COM
COMPANY	COMPANYREMARKS								

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  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
- Pf Meter pressure, psia.
- $h_{\mathbf{w}}$  Differential meter pressure, inches water.
- $F_{R}$  Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{DV}$  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  $P_{\rm t}$ .

AZTEC DISTRICT OFFICE

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