## Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
TIODITI OTMI	DUCIT		エルルナ	ron	CAL	دسست

Pool Underignated						Formation Dakets							County San Juan							
Initial Annual Special Date of Test 6-10-60										10-60										
Company Redfern & Herd Inc.													Well No.							
								Se								To (	5,556			
																To 6	5,527			
Tubing 1: Wt. 2.4 I.D. Set at 6,527 Perf. 6,524 To 6,527  Gas Pay: From 6,384 To 6,556 L xG 0.620 -GL Bar. Press.																				
Producing Thru: Casing Tubing X Type Well Single Gas  Single-Bradenhead-G. G. or G.O. Dual																				
Date	e of	Compl	.etic	on:	5-25	-60		Packe	r			Sing	le-Br Rese	raden ervoi	head-G. r Temp.	G. 01	G.O.	Dual		
				_							ED DA'		_		•					
Tested Through (Choke)														Type Taps						
			<del></del>		rlow D									ata Casing Data						
No.	(:	Line)	- [(	Orif	fice)	1	- 1	Diff.					Ten		Press.	-	- 1	Duration of Flow		
SI		Size	_	Si	i <b>z</b> e	ps	ig	h <sub>w</sub>		F.	ps:		F		psig	F.	·   _	Hr.		
1. 2.			#				1	<del></del>			2.77				±1797			·		
3.	<del></del>			3/4	•	137	$\dashv$	58				-			927	+		3 Ers.		
4.																				
5.						<u> </u>										<u> </u>		<del></del>		
				<del></del>							CULAT									
No.	(24-Hour) $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$					Fac				or	y Compress. r Factor Fpv		Q-							
1. 2.										-										
3° 4° 5°	12,3650		149 1.0019			0.9837			37	1.014		1 3	1840							
5.									<del>                                     </del>					<del></del>						
PRESSURE CALCULATIONS  as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid c(1-e^-s) P_c																				
No.	P <sub>w</sub> Pt (	psia	)	Pt2	F	Q ——		(F <sub>c</sub> Q) <sup>2</sup>		(F.	c <sup>Q)<sup>2</sup> -e<sup>-s</sup>)</sup>	<u> </u>	P <sub>w</sub> 2		P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		Cal.	P <sub>w</sub> P <sub>C</sub>		
2.   3.	9	39	+				-		7				582	3	,106	-		1.283		
1. 2. 3. 4.			-		1		-		#			-		1		+	<b>-</b> i			
Absol COMPA ADDRI AGEN'	ANY_ ESS_ T and ESSED	TITI	fer: 17/	7-	ierd 1			Mag R		MOT	n	5	1,20	55 C(1)						
								**		REMA	ARKS		B	AUG <sup>1</sup>	5 1960	lar				

## 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 ( $P_W$ ). MCF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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 casing.) psia
- Pr Meter pressure, psia.
- $h_{\mathbf{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n \_ 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  $P_{\rm t}$ .

