## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
HOLIT-I OTHI	DACK	TUDOCOULE	TEOT	ron	GAS	METITIZ

Revised 12-1-55

Pool Bein-D	akete	F	'ormatio	n Dekot	<b>a</b>		County_	San Ja	ien	
Initial X	Anr	nual		Spec	cial		Date of	Test_	4-12-61	
Company Centu	ry Explorat:	ion		_Lease	Rudman F	ederal	We:	ll No.	1	
Unit D										
Casing 4									L28	
Tubing										
Gas Pay: From	10_	-	<sup>1</sup>	<sup>_</sup>	(j <u>.65)</u>	=GL		_Bar.Pr	ess	
Producing Thru	casing_		Tu	ibing	Sin	Type We gle-Brade	ell <b>Sing</b> enhead-G.	G. or	G.O. Dual	
Date of Comple	tion: 3-11	3-61	Packe	r		Reserve	oir Temp.			
				OBSERV	ED DATA					
Tested Through (Prover) (Choke) (Meter)							Туре Тарѕ			
	Flow Data					g Data   Casing Da		ata		
No. (Line)	(Choke) (Orifice)	ł			•	Temp.		1	Duration of Flor	
Size	Size	psig	h <sub>w</sub>	° <sub>F</sub> .		o <sub>F</sub> ,	psig	°F∙	Hr.	
l.					1601		1860			
3.	3/4"	82					495	680	3 hrs.	
5.		<del> </del>						<u> </u>		
lo. (24-Ho	Coefficient (24-Hour) √ h <sub>w</sub> p <sub>j</sub>		1		i	Paskan	Compress. Factor Fpv		Q-MCFPD © 15.025 psia	
. 12.365			94	.9924		.9608	1.010	,	1119	
:										
s Liquid Hydro avity of Liqui	d Hydrocarb	o oons (1-e <sup>-8</sup> )		cf/bbl. deg.	<del></del>	Speci Speci	fic Gravit fic Gravit 18 <b>72</b>	ty Flow	rator Gas ing Fluid 504.3	
Pt (psia)	Pt F	'c <sup>Q</sup>	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub>	Q) <sup>2</sup> e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	Ca P	l. Pw Fc	
507				1		257	3247.3		1.0791	
:			<del></del>					<del> </del>		
DESOLUTE POTENT  DESCRIPTION  D	ury Explore	tion Co	Por 1	68, Para	ington,	w w				
GENT and TITLE	T. A. Dag	an, Eng	neer				ef	<b>FII</b>	<del>\</del>	
OMPANY	<del></del>						REL	<b>THY</b>	0/	
				REMA	MAS			28 196	1	

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- FgI Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

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