NEW MEXICO OIL CONSERVATION COMMISSION

1357 NOV 21 FM 2 Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Demonst.		_Formation	n Q	Heir.		County_	L	88
Initial		Annual							
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roducing '	Thru: Ca	sing	X Tu	ıbing		Type W	ell G	-O Dua	<u> </u>
)ate of Com	mpletion:_	3-31-	7 Packe	r	5ir 75	ngle-Brad Reserv	enhead-G.	G. or	G.O. Dual
					ED DATA		- · · · - •	·	
ested Thro	ough (Fro	ver) (Chok) (Meter)		· · · · · · · · · · · · · · · · · · ·		Туре Тар	.e 9 4	i me
		Flow Data			Tubing	Dota			
(Trov	er) (Ch	oke) Pres	ss. Diff.	Temp.	Press.	Temp.	Casing D		Duration
o. (Lin Siz		fice) ize psi	g h _w		psig			1	of Flow
I	5.	rze psi	-g IIW	r.	psig	F,	 	<u> </u>	Hr.
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			J III	1			13);		24
	1		.6 12.7	94			573.7		24
			-1 24.7	92	1		903-5		24
Coefficient (24-Hour)		7 hwpf	Pressure psia			Gravity	Factor		Rate of Flow Q-MCFPD @ 15.025 psia
15.26		19.90	204.2			.9359	1,054		753
13.36		133.3	193:3 :373				1:013		1170
. 15.3		119.3	197.3	F/G		•7357	1.041		1724
•						11441			
s Liquid Hy avity of L	ydrocarbon	Ratio		ESSURE CA	LCU'ATI	Speci	002 - 5.1 M2 - 1.0 fic Gravit	y Sepa	rator Gas
1.		(1-e ⁻⁵	,119	deg.		P _c	fic Gravit 169.5	y Flow	ing Fluid
	Į.				e de la companya de l				
P _w	P _t	F _c Q	$(F_cQ)^2$	(F _C	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	1. Pw Pc
434,4	687.4	Least)	1,662	,19		647.6	100.4	P.	y .93
7.35	124.5	1.935	3.74	- 44	60	516.9	27).1	717.	• 43
512	257.0	2,553	6,518			345.3	410.7	507	,66
516.	40/44	40771	8.708	1.03	0	264.0	488,0	217.	.40
solute Por	ential:	2049		MCFPD:	1	0,51		<u> </u>	l
MPANY	CEL	COLL COMP		_PIOP FD;	¹¹	A577			
DRESS	Per	2167, Hely	d, Halla						
ENT and TI	TLE	A. L. Am	ith						
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REMARKS

COMPANY

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.
- 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.

Gulf Cil Corporation
H. T. Mattern "B" No. 10
C-31-21S-37E, Lea Co.
Eument Pool
10-3, 11-57
AP = 2049 MCF

