NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK P	RESSURE	TEST	FOR	GAS	WELLS
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Pool	Basin		·····	_Formation	nDake	ota		County	San J	Juan	
Init	ial <u>X</u>		Annual		Special			Date of	Test	2-3-65	
Compa	any Aus	tral Oil	l. Co.		Lease	Federa	it maria	1. 21. Wel	l No	2 1-15	
Unit		Sec1	5_Twp2	7N Re	ge 9 W	Purc	haser				
	rg 43 4										
	ng 2 7/8"										
										ess	
	cing Thru					X	Type We	ell Singl	le - (%	ns	
						Sin	gle-Brade	nhead-G	G. or (G.O. Dual	
						ED DATA					
Teste	d Through	(dinove	(Choke	e) (Meter)				Туре Тар	s		
			ow Data				Data	Casing D	ata	<u> </u>	
No.	(Line)	(Chok	e) Pres coen)	ss. Diff.	ŀ		į	Press.	Temp,	of Flow	
SI	Size	Siz	e psi	lg h _w	°F.		°F.	psig	°F.	Hr.	
1.		ļ,				2047					
2 . 3.		3/4'	" 371		65					3 Hrs.	
5.											
					FI.OW CAT	CIT A TTON	ς	<u></u>			
No.	Coefficient Pre							Gravity Compress. Rate of F Factor Factor Q-MCFPD			
	$(24-Hour)$ $-\sqrt{h_1}$		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	mp _f psia		t	Fg			€ 15.025 psia	
2.											
2. 3.	12.365			383	•99	52	•9608	1.038		470 0	
5.1											
				PR	ESSURE C	alcui at i	ons				
	quid Hydro				cf/bbl.					arator Gas	
	y of Liqui •5 51	d Hydro	carbons (1-e ^{-s}	.2 62	deg.		Speci P _c		ty Flow	ring Fluid	
							U				
10.	$P_{\mathbf{w}}$	P ²	F _c Q	$(F_cQ)^2$	(F	c^{Q}	P _w 2	$P_c^2 - P_w^2$	Ce	al. Pu	
	Pt (psia)	- t	- c -	(-64)	(1)	e-s)	- w~	, c_, M	1	P _w P _c	
2.		112 230	-7	/40 /==							
).	383	146,689	26.090	680,672	178	.336	325.025	3,914,450	5	1.0830	
	uto Des - 4	dol:	1000	1	Name -		7.0/2/				
COMPA		Austr	al 011 Co			n_=.75	1.0010		.2		
	and TITLE	Box 2	34. Farmi	ngton, le	w Mexico Jugan Co	nsulting	Engineer	· · · · · · · · · · · · · · · · · · ·			
TITNE:	SSED								17/	- S&I.S	
					REM	ARKS		1	Dist	M. COM.	

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
- P_{f} 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 $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.