ne. of Public Lando NEW MEXICO OIL CONSERVATION COMMISSION COMISSION COMMISSION COMISSIO

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool		BASIN DAKOTA		_Formation	l	DAROT A		County		die Arriba	
Init	ial	A	nnual		Spe	cial R	p-Test	_Date of	Test	12/21	/63
Comp	any	Bota E	ere lapas	nt Co.	Lease_	en Auen	29-6	Wel	l No	.thit	#76
Unit	<u> </u>	Sec. 23	_Twp	20 M Rg	e	Purc	haser	EPMS Co.			
Casi	ng 4 1/2"	Wt. 11.60	I.D	4.900 Se	t at	1065' Pe	rf. 79	32'	To	80431	
Tubing 2 3/8" Wt. 4.70 I.D.			1.995 Se	t at	1641 Pe	rf. Co	ea	To		Ind	
				-							12.0
Date	lucing Thru of Comple	tion.		Pooko		Sin	gle-Brade	nhead-G.	G. or	G.O. 1	Dual
Date	OI COMPTE	.01011;	11/16/6	racke			Reservo	Tr. remb.	· · · · · · ·		
						/ED DATA					
Tested Through (Choke) (Choke)						Type Taps					
	(Prover)	Flo (Choke	w Data Pres	ss. Diff.	Temp.	Tubing Press.	Data Temp.	Casing D	ata Temp.	1	Duration
No.	(Line) Size	COCOCO	psi		o _F .		o _F .				of Flow Hr.
SI		5126	Pa	-R 11M	F •	2457		bore			Days
1. 2.		3/4"	19	6	68	156					3 Nze
3.		 			L						
4. 5.									<u> </u>	-	<u></u>
<u> </u>		- 	······································	 	DI ON CAI	CVT A TON				-1	
- - T	Coeffic	CULATIONS Temp. Gravity Compress. Rate of Flow									
No.	(21,_Ho	-Hour) $\sqrt{h_{\mathbf{W}}p}$		psia			Factor F _g			Q-MCFPD @ 15.025 psia	
1.	12,3650		WFI	170			-9463	1.0			
2 . 3.											
4.											
5.			i							L	
				PR	ESSURE (CALCUTATI	ONS				
	iquid Hydr				cf/bbl			fic Gravi			
Gravity of Liquid Hydrocarbons Fc(1-e^-8				3)	deg.			Specific Gravity Flowing			fluid
·			•			_	₽,	347	P_2		
No.	$P_{\mathbf{W}}$	P _t ²	r O	$(F_cQ)^2$	(1	$(c_0)^2$	P _w 2	$P_c^2 - P_w^2$	0	al.	P ₋
	Pt (psia)	rt.	F _c Q	(r _C / ₄)	((c4) L-e-s)		, c_, w		Pw	P _W P _C
1. 2.	170	28,900	18,860	396,70	110	,622	139,522	5,956.4			
<u>3. </u>		 							1		
<u>4.</u> 5.		 		 					 	_	
	lute Poter	tial:	2,040		MCFPD	; n75					
COMP	ANY	Beta_D	area Lagran				in mile man		Janes Land Co. Co.		
		E Grand	L. Nof	Plaza, F	netion.	inginor_	DD 50				
WITNESSED Den Mertineen Company El Pere Mertineen Company							- /Richard				
COLI	-+41 -				RE	MARKS			JAN6	1964	
	-							10	IL CO	N. CO	Mi./
								/	DIS	т. З	/

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 Tactual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 60° F.
- P_cI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- Fnv 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_+ .