NEW MEXICO OIL CONSERVATION COMMISSION

file

Form C-122

ised 12-1-55

			MULTI-	-POINT BA	ACK PRES	SURE TES	T FOR GAS	WELLS		Revised 12-1-00	
Poo	ol Basin Formation Dakota County San Juan									an	
Initial X Annual			Special_				_Date of '	Test	4-1-65		
Com	pany Aust	ral Oil Co) •	I	.ease	Charles	s žta	<pre>Well</pre>	1 No	1	
Uni	J s	ec. 12	Twp. 27	N Rge	9W	Purc	haser				
	ing 41 W									0	
Tub	ing 1 1/4" W	t2 .1 #	_I.D	Set	at_63	31 Pe	rf. 633	1	To		
Gas	Pay: From_	To		L	x	G .65 ea	stGL]	Bar.Pre	288	
Proc	lucing Thru:	Casing		Tub	oi.ng	X	Type We	11 S i r	ıgle _	Gas	
Date	e of Complet	ion:		Packer		Sin	gle-Brade Reservo	nhead-G. (ir Temp.	G. or (3.0. Dual	
						ED DATA					
Test	ed Through	(Prover)	(Choke)	(Meter)				Туре Тара	s		
		Flow	Data		1	Tubing	Data	Casing Da	ata		
,,	(Prover)	(Choke)	Press.	Diff.	Temp.		Temp.	Press.	Temp.	Duration	
No.	(bine) Size	(Orifice Size		h _w	°F.	psig	o _F ,	p sig	°F.	of Flow Hr.	
ŞI						2200		2200			
1. 2.		3/4"	248		560			1461		3 Hrs.	
3.		214				<u> </u>		1401		7 14 5 -	
4. 5.											
No.	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Factor Factor Factor Compress.								Rate of Flow Q-MCFPD		
1.	(24-Hou	$r)$ $\sqrt{1}$	n _w p _f	psia	Ft		Fg	F _{pv}		● 15.025 psia	
1. 2. 3. 4.											
3.	12.365			260		39	•9608	1.028		3188	
5.											
	iquid Hydrooty of Liquid				SSURE C.	ALCUI ATI	Speci Speci		ty Flow	rator Gas ring Fluid 892,944	
No.	P _w	Pt ²	F _c Q	(F _c Q) ²	(F.	cQ) ² -e ^{-s})	P _w 2	P _c -P _w ²	Ca F	P _w P _c	
2.									 		
1. 2. 3. 4. 5.	1473					2,	,169,729	2,723,215		1.7968	
4.									 		
Abso COMF ADDR		ral 011 Co ox 234, Fa	rmington	, N. M.		n = .75		sulting En	gireer	AP 1 1965	
WITN	ESSED									- COMIT	
	PANY			···					-\c	pist. 3	

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 600 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 $P_{\mathbf{W}}$ 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 $P_{\mathbf{+}}$.