NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poc	Basin	Dakota		F	ormation	Da	kota		County San Juan			
Initial Annual Special Date of Test 8/7/61												
Con	pany South	west Pr	eduction of the state of the st	on Co	mpany	Lease_	Mudge	Federal		ll No	6	
Unit B Sec. 32 Twp. 27N Rge. 11W Purchaser El Pase Natural Gas Company												
	ing 41 V											
	ing 12" V											
	Pay: From_											
Dat	ducing Thru: e of Complet	ion:	7/24/61	l 	Packe	r	S	ingle-Brade Reserve	enhead-G. oir Temp.	G. or (3.0. Dual	
							ED DAT		•			
Tes	ted Through	SECTION.	(Ch	oke)	(100000)				Type Tar	os		
Tested Through (Choke) (Meter) Type Taps Flow Data Tubing Data Casing Data										I		
No.	(Prover) (Line)	(Prover) (Choke) (Line) (Orifice		Press. Diff		Temp.		s. Temp.	Press.	Temp.	Duration of Flow	
	Size			psig	h _w	°F.	psi,		psig	o _F .	Hr.	
SI l.		3/4"		354		69 35		1	2035 1465	 	7-Day 3-Hr.	
2. 3.										†		
4. 5.									 	<u> </u>		
5. 1												
						FLOW CAL						
No.	Coefficient $(24-Hour) \sqrt{h_{w}p}$			Pressure Flow Temp.								
			$h_{\mathbf{w}} p_{\mathbf{f}}$	f psia		Factor F _t		F _g	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
	12.3650				366		5				4,412	
2. 3. 4.												
2.				+-							**-	
5.												
as I ravi	Liquid Hydro ty of Liquid	carbon d Hydro	Ratio_ carbons (1-	3		cf/bbl.	ALCUI AT	Speci Speci		ty Flow	rator Gas	
					-				777 P ₂ 2181.5			
10.	P _w	$P_{\mathbf{t}}^{2}$	F _c Q		$(F_cQ)^2$	(F	_{cQ)} ² e-s)	P _w 2	$P_c^2-P_w^2$	Ca		
2.	Pt (psia)					(1.	<u>-€ "5)</u>	2181.5	2008.7	P.	,721	
2. 3.												
			 									
										13 1		
bso	lute Potenti	ial:	7,633	. Com		MCFPD;	n75			. ಕಿ. ಎಳ್ಲಾಗು -	TILL Y	
COMPANY Southwest Production Company ADDRESS 207 Petr. Club Plaza, Farmington, New Mexico												
GEN	T and TITLE	Georg	• L. H	ffma	n, Proch	etion F	oreman				N. COM.	
	ESSED					,				DIS	т. з	
14						REMA	RKS					

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.
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg 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} .