	3-000 1-H.L. Kei			•	ic.				. 11 · •		ĺ	
	1-B. Parri 1-Comm. of 2-Phillips	Pub.	Lands bett.	NEW Hintze	MEXICO	OIL CONS	SERVATION	COMMISS	ION			
	1-LDH, 1-7	rca, 1-	T. Ce	Wan	•						Form C-122	
1-F MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55												
Pool BASIN DAKOTA Formation DAKOTA County Rio Arriba												
Ini	tialX	· · · · · · · · · · · · · · · · · · ·	_Annu	al		Sp ec	ial		_Date of :	rest	10/2/64	
Com	pany Beta	D vel	Lopmen	t Co.	T	Lease_St	an Juan 2	9-6 Unit	Wel	l No	83	
Unit Sec13 Twp29 M Rge6 W Purchaser El Paso Natural Gas Co.												
Casing_4 1/2" Wt. 11.60 I.D.4.052 Set at 8110 Perf. 7985 To 8080												
Tubing 2 3/8" Wt. 4.70 I.D.1.995 Set at 8073 Perf. Open To End												
Gas Pay: From 7985 To 8080 L 8061 xG .670 -GL 5400.8 Bar.Press. 12.0												
Producing Thru: Casing Tubing X Type Well Single - Gas												
Date of Completion: 9/23/64 Packer Reservoir Temp.												
OBSERVED DATA												
Tested Through (Rnovery) (Choke) (Meter)								Type Taps				
								Data	Casing Da		Domodia	
No.	(Prover) (Line) Size	CODOG	obeck			Temp.	Press. psig			Temp.	of Flow	
SI	Size	Size		psig	h _w			F c	psig 2429	P.	Hr. 7 Days	
1.		3/4"		196		69 19		69	726	-	3 Hrs.	
2. 3.					-					17 . 18		
4.												
5.												
<u> </u>		+					CULATION					
No.	Coefficient		t		ressure	Flow Temp. Factor Ft		Gravity Factor	Compress. Factor		Rate of Flow Q-MCFPD @ 15.025 psia	
	(24-Hou	ır) ¬√ h _w		psia				Fg				
1.	12-3650			206		.9915		.9463	1.020		2,461	
2.												
3. 4.											···	
5.												
					PR	essure c	ITAIUSLA	ons				
Gas : Grav:	Liquid Hydro ity of Liqui	carbon d Hydro	Ratio	ons		cf/bbl.					rator Gas	
Fc			(1	L-e ⁻⁸ ∑				P _c	2441	Pc	5958.5	
								<u> </u>	738	Pw2	544.6	
No.	$P_{\mathbf{W}}$	Pt.	F	Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	1. P.,	
1.	Pt (psia)					(1	-e ^{-s})	544.6	5413.9	F	P _W P _C	
2.												
3. 4.										ļ		
5.												
Absolute Potential: 2,643 MCFPD; n .75												
COM	PANY	Beta	Devel	opment	Co.							
	RESS	_234_5	etr.	Club F	laza, F	rmingto	n , New M	exico				
MIII	NF99FD		-H	Anally			-9+0=E		/60	MI		
COMPANY El Paso Natural Gas Co. REMARKS												

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_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- F_{pv} 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 $P_{\mathbf{t}}$.