NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

OIL CON. COM.

Poo.	1 B A	SIN DAKC	FA	F	ormation	D	ATOTA		_County	San .	Nan
Init	tial	X	Annu	al		Spec	ial		_Date of '	Test	3/10/64
Company Beta Development Co.					Lease Ross Fed			rel	Well No. 1		
											Gee Co.
											70601
	•							*			End
											288. 12.0
Producing Thru: Casing Tubing X Type Well Single - Gas Single-Bradenhead-G. G. or G.O. Dual										G.O. Dual	
Date	e of Comp	letion:_	3/1.	/64	Packe	r	, <u>, , , , , , , , , , , , , , , , , , </u>	_Reservo	ir Temp		
						OBSERV	ED DATA				
Tested Through (Proven) (Choke) (Neter)x							Type Taps				
Flow Data (Prover) (Choke) Press. Diff. Temp.						Tubing Data Casing Data Press. Temp. Duration					
No.			noke)	Press	Diff.		Press.			1	1 a# 27 av 1
	Size		Size	psig	h _W	o _F .		°F.	psig	F.	
SI 1.			<u> </u>	4.00	-		2405	98	2405 1724		7 Days
2.		- 3	44	649		- 88			1730		3 142 61
3.											
4. 5.				├	 						
No.	Coefficient (24-Hour)		1	Pressure		Flow	tor	Gravity	ty Compress. Rate of Flow Q-MCFPD Provided Provi		
1.	12-3650			661		9741		.9463	1.061 7,993		7,993
2.											
3. 4.			+						_		
5.											
Grav:	Liquid Hy ity of Li	quid Hyd	lrocarb			ef/bbl.deg.		Speci	fic Gravi		arator Gas wing Fluid 5641.8 3013.7
1	Pw	 -	_ _								1
No.		, I	\mathbf{r}^2 F	cQ	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		al. Pw Pw Pc
-	Pt (psi	a)					· ~ / 	3013.7	2020.1		.718
2.											
1. 2. 3. 4. 5.										 	
5.								·			
	olute Por	ential:	19.	780		MCFPD:	n75				
COM	PANY	_Beta_D	eres Lenes	ment Co							
	RESS	234 Pe	traless	Club	Plaza,		in Have M				
AGE	\mathtt{NT} and \mathtt{T}	TLE				Production	n Englas	20			
WIT	NESSED			MeAns La Matu		Co.					3511
WIT					ral Gas	Co.	ARKS			off	FIVEN
WIT	NESSED					REM	MARKS			RE	EIVED

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 \equiv 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.
- F_t 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_{+} .