3-0CC 1-HLKendrick 1-BParrish 1-LDH 1-TCA

## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

1-TCowan 1-F

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Basin D	akot <u>a</u>		Formation	Dakot	a		_County	San	Juan		
			•		Special							
Company Beta Development Co. Lease Choke Cherry Canyon Well No. 1												
	, <u>P</u> _S											
	ng 4½ W											
	ing 2-3/8 W											
	Pay: From_										.0	
	lucing Thru:					x	Type We	il single	- gas	i		
	e of Complet					OTIN	RTO-DI GOO!	Trema-01 a			al	
Dave	e or compred	1011				ED DATA						
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Tested Through (Promess) (Choke) (Mathews)x  Flow Data  Tubing Data  Casing Data												
	(Prover) (Line) Size	(Choke	Pre	ss. Diff.	Temp.	Press.	Temp.	Press.			uration of Flow	
No.	(Line) Size	Size	ps:	ig h <sub>w</sub>	°F.	psig	o <sub>F</sub> ,	psig	°F.	i .	Hr.	
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4.												
5.					<u> </u>		<u>.                                    </u>			L		
						CULATION						
No.			1		tor Factor				Rate of Flow Q-MCFPD @ 15.025 psia			
<del>_</del> _	<u> </u>		/ hwpf	psia	.9768		.9463	1.033		4298		
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3.												
4. 5.												
<u>_7•</u> _1				PI	RESSURE C	alcuiati	ons					
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	ity of Liqui	la nyaro	carbons_ l-e	8)	ueg.	•	P	2025	_P2	4100.6		
· с			\·			-	₽ _	1042		1085.7		
No.	$P_{\mathbf{W}}$	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q)	2 (I	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	ī	al.	P <sub>w</sub> P <sub>c</sub>	
	Pt (psia)				(1	L-e-8)	1085.7	3014.9		W	P <sub>C</sub> 510	
2.												
1. 2. 3. 4. 5.									+	-		
4.									<del> </del>			
	olute Poten	tial:	539	0	MCFPD	; n <u>.7</u> 5	<u> </u>					
COMPANY Beta Development Co.											<del></del>	
ADDRESS 234 Petr.Club Plaza, Farmington, N. M.  AGENT and TITLE G. L. Hoffman, Production Engineer												
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WlT		. McAnal	lly			MARKS			NOV1	3 704 N. COA		

## 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 (Pw). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mathbf{W}}^{\perp}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>nv</sub> Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\rm w}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm w}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .