3-OCC
1-H.L. Kendrick
1-B. Parrish NEW
1-Comm. Pub. Lands
2-Phillips (Hintze, Corbett)
1-LDH, 1-TGA
1-T. Cowan
1-F MULTI-

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

	1-6			110211	102112				<del></del>		
Poo!	BASI	N DAKO	TA_	F	ormation		DAK	OTA	_County	Rio	Arriba
Init	ial	alXAnn			ualSpec				_Date of '	Test	8/11/64
Company Beta Development Co.					Lease San Juan 28				Well	l No	115
Unit	: <u> </u>	ec3	Twp	27	N Rg	e. <u>6 w</u>	Pur	chaser <u>E</u>	1 Paso Na	tural (	Gas Co.
Casi	ing 4 1/2" W	t. <u>11.</u>	60_I	.D. <u>4.</u>	042 Se	t at	<b>467</b> P	erf	224	To	7428
Tubi	ing 2 3/8" W	t. <u>4.</u>	<b>70</b> I	.D. <u>l.</u>	<b>995</b> Se	392 P	erf. C	pen !	To	End	
Gas Pay: From 7224 To 7428 L 7379 xGGLBar.Press12.0											
Producing Thru: Casing Tubing X Type Well Single - Gas Single-Bradenhead-G. G. or G.O. Dual											
Date	e of Complet	ion:	8/1/	64	Packe	r		Reservo	ir Temp		
						OBSERV	ED DATA				
Tested Through (Choke) (Choke)							Type Taps				
Flow Data							Tubing Data Casing Data				
No.	(Prover) (Line)	(Cho		Press	Diff.	-	Press		Press.	Тежр.	of Flow
	Size	Si		psig	h <sub>w</sub>	°F.	psig	o <sub>F</sub> ,	psig	°F.	Hr.
SI							2444		2516		7 Days
$\frac{1.}{2.}$		3/	Δ	294		76	294	76	1002		3 Hours
3.											
4.								<del>-    </del>		<u> </u>	<del>                                     </del>
<u> </u>		<u> </u>						_ <del></del>		J <del></del>	<u> </u>
		<del></del>				FLOW CAL					Data of Flore
No.	Coefficient					Fac	tor Factor		Factor		Rate of Flow Q-MCFPD
			$\sqrt{h_{\mathbf{w}}^{\mathrm{r}}}$	h <sub>w</sub> p <sub>f</sub> psia		Ft		F <sub>g</sub> F <sub>pv</sub>		● 15.025 psia	
1. 2.	12.3650				306	.98	50	9463	1.029		3,629
2. 3.			<del> </del>				<del></del>				
4. 5.											
5.											i
ravi	Liquid Hydro ity of Liqui		ocarbo			essure c cf/bbl. deg.		Speci	fic Gravi fic Gravi	ty Sepa ty Flor	arator Gas wing Fluid 6390.8
								Pw	1014	P_2	1028.2
No.	P <sub>w</sub> Pt (psia)	$P_{\mathbf{t}}^2$	F	.Q	$(F_cQ)^2$	(F (1	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	Pw Pc
1.								1028.2	5362.6		
3.											
4.										-	
5.				·					L		
Abso	olute Potent PANY		, Dece-	4,137		MCFPD;	n75				
ADDE	RESS	234	Petr.	Club	Plaza. I	fermingto	on. New	Mexico			
	VT and TITLE	Geor	rge L.	Hoffs	en. Proc					-	
	NESSED PANY		icanal		- Gas Co.	<del></del>		<del>_</del>	7	PCIN.	Mrs.
			<del>-249-1</del>		· V25 LO	REM	ARKS		10		[D]
	-								12	Berlin Harry	1064
									\ A	UG17	CCM.
									/ 0	IL CON	I. COM.
									/	C12	1. 5

## 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
- 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.
- $F_t$  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  $P_{\mathbf{t}}$ .