## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l So. Blan	co P.C		Fo	rmation	Pictur	ed Clif	fs	_County	San	Juan	
Ini	tialX		Annual			Spec	ial	<del></del>	_Date of '	Te <b>st</b>	<u>4-7-5</u>	9
Com	pany Western	Natur	al Gas			Lease	Oxer	ard	Wel	l No		<u> </u>
Uni	t <u>E</u> S	ec. <u>l</u>	L_Twp	<b>27</b> N	Rg	e. <u>8</u> ₩	Pur	chaser	El Paso	Natura	] Gas	Company
Cas	ing 5½ W	t. <u>15</u>	.5# I.D.	4.	<u>950</u> Se	t at 23	<b>13</b> F	erf. 2215		Го <u>2</u>	2721	
Tub	ing <u>1.315</u> W	t. <u>l.</u>	<u>7#</u> I.D.	1,	<u>Oli9</u> Se	t at 22	<b>57</b> F	erf		ľo		<u> </u>
Gas	Pay: From_	2215	To 22	72	_L	<u>2215</u> x	G_Est_	.630 <u>-</u> GL	11:07	Bar.Pr	ess	12.0
Pro	ducing Thru:	Cas	ing	<u> </u>	Tu	bing		Type We	11 <u>Si</u> ,	ngle		
Dat	e of Complet	ion:	3-23-59		Packe	r <u>None</u>	Si	.ngle-Brade Reservo	nhead-G. ( ir Temp	3. or 9	G.O. 3°	Dual ——————
							ED DATA		_			
Tes	ted Through	Pres	er) (Chol	ce)	( <del>Meter)</del>				Type Tap:	s	_	
			low Data			· 	Tubin	g Data	Casing Da		<del></del> -	
	(Prover)	(Cho	ke) Pre	ess.	Diff.	Temp.		Temp.		Temp.	†	Duration
No.	(Line) Size	(Orif: Si:	7 1	sig	h <sub>w</sub>	°F.	psig	o <sub>F</sub> .	psig	o <sub>F∙</sub>		of Flow Hr.
SI							833		833		<del> </del>	15 days
1. 2.		.750	0 1	18		52	) <sub>1</sub> <b>2</b> 9		1,18			3 hours
<del>2.</del> 3.								+			<del>                                     </del>	
4.												
5 <b>.</b> l		_			<del></del>	L						
						FLOW CAL						
No.	Coeffici	ent		Pre	essure	Flow '	- 1	Gravity Factor	1 -		Rate Q-M	of Flow
	(24-Hou	r)  -	$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$	1	osia	F.	- 1	Fg	Fpv		•	.025 psia
1.	14.1605				30	1.0078	3	9759	<del></del>		6	240
2. 3. 4. 5.				<u> </u>	-	•				· · · · · · · · · · · · · · · · · · ·		
4.			<del></del>									
5.								~				
rav:	Liquid Hydrodity of Liquid	d Hydro	ocarbons			cf/bbl.	ALCUT AT	Speci Speci	fic Gravit fic Gravit	y Flo	wing	Fluid
т			<del></del>	<del></del>						·		
No.	P <sub>w</sub> Pt (psia)	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	l	$(F_cQ)^2$	(F.	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$		al. P <sub>w</sub>	Pw Pc
Ţ.								194,481	519,514		W	
1. 2. 3. 4.			<del> </del>							-	<del></del>	
4.												
5.												
	olute Potent: PANY	ial:	8,187		··· <u>-</u>	MCFPD;	n(	<del>-85</del>	<del></del>			
	RESS		_Western 211  We	Nat at. M	oral Gr	s Compan	y Now	Morriso			···	
	NT and TITLE		CM	Ray	ies	Petrolev	m Engir	1007				
	NESSEDPANY		<del></del>									
2011						REM	ARKS		AP AP		GE9 COM	

## 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 60° 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.
- hw- Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>pv</sub> 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  $P_{+}$ .

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