MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

itial			Yero	F(rmation		Mesavero	<u> </u>	_County	San_	Juan
_	X		Annu	al		Spec	ial		_Date of	Test	Sept. 22, 19
mpany_	Sout	bern U	nion (as Co.		Lease	OXNARI)	Wel	1 No	2
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bing	2-3/8W	t	. 7 I.	D. 1	990 Se	tat 5 [00 Pe	rf. <u>5</u>	785	To	5800
s Pay:	From_	5280	_To	5842	L	5785 x	G 67		3875.9	Bar.Pre	ess. 12.0
oducine	g Thru:	Cas	sing		Tu	bing	<u> </u>	Type We	11 Sin	cle Gas	G.O. Dual
te of (Complet	ion:	Sept.	13. 1	958acke	r	Sin	gle-Brade Reservo	nhead-G. ir Temp.	G. or (3.0. Dual
	-						ED DATA		- -		
sted Th	rough	(P SS		Thoke)	(189.88)		J. 2		Type Tap	ve.	
					/www.v						
	over)	(Chc	low Da	Press.	Diff.	Temp.	Tubing Press.	Temp.	Casing D		
,	ine) Size	(Orif	ice)	psig	h _w	°F.	psig	° _F .	psig	o _F .	of Flo Hr.
 			20	Po-P	1ºW	1	1029		1029	 	
		3	/*	281		730	281	730	760		7 days
					<u> </u>					 	
-											
($\sqrt{h_{\mathbf{W}}^{\mathbf{r}}}$	<u> </u>		Fact F	tor	Factor F _g	Facto	r	Rate of Flow Q-MCFPD @ 15.025 psi
	2.3650				293	98	77	9463	1.0	29	3,484
 											
Liquid vity of	Liqui	d Hydr	ocarbo			cf/bbldeg.	ALCU ATI	Speci: Speci:		ty Flow	arator Gas ving Fluid 1083.7
Тъ					·			P.	772	_1E	595.9
P _w	psia)	$P_{\mathbf{t}}^2$	Fo	Q	$(F_cQ)^2$	(F ₁	Q) ²	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc
								595.9	487.8		742
				Ţ						-	
solute		hern I	inion (3h3 an Gen	paty.	MCFPD;	n0.7	5			

Top 52" liner @ 3300' T.D. 5915 7-5/8" 23# Set @ 3527



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 = 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.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- Fpv Supercompressability factor.
- n _ 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 $P_{\rm t}$.

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