MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revised	12	-1-55

Poo!	Names He		a	Fo	rmation	No.			_County	San J	140	
Initial II Annual Special Date of Test 10-22-03												
Company Seuthern Union Production Co. Lease Maraje Indian Well No. 6												
Unit Sec. 6 Twp. 26-11 Rge. 8-11 Purchaser 12 Page Matural Gas Company												
Casing												
Tubing 1-1/1 Wt. 2.30 I.D. 1.30 Set at 1870 Perf. 1860 To 1870												
Gas Pay: From 1382 To 1650 L 1260 xG .730 -GL 1110 Bar. Press. 12.0												
Producing Thru: Casing Tubing Type Well Deal Cas, Ges Single-Bradenhead-G. G. or G.O. Dual												
Date	e of Complet	ion:_;	10-7-6	.	Packer	- 60 9 0	511	keservo keservo	nnesd-G. ir Temp	G. OF	J.O. DULL	
	-	_				OBSERV						
Test	ted Through	(Prov	ver) ((Choke)	(Meter)				Туре Тар	.s		
	·	F	low Da	ata			Tubin	g Data	Casing D	ata	Duration	
,,	(Prover)	(Cho	oke)	Press.	Diff.	Temp.	Press	. Temp.	Press.	Temp.	Duration of Flow	
No.	(Line) Size	Si	ize	psig	h _w	°F.	psig	°F.	psig	°F.	of Flow Hr.	
SI			-				3445		7005	<u> </u>	15 eq.	
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2.											<u> </u>	
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<u> </u>	Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow											
	Coeffici	ent		Pr	essure	LTOM.	Temp.	Gravity	COMPTE	.55.	Q-MCFPD	
No.	(0) 11	\	/ 1		:-	rac T	LOF	FACCOL	F	'	@ 15.025 psia	
	(24-Hour) $$		V "W						Topis DA		7572	
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4.			 									
5.			<u> </u>					·	L			
					PR	ESSURE C						
	Liquid Hydro				 	cf/bbl.					arator Gas wing Fluid	
	ity of Liqui			ons l-e ⁻⁸)		deg.	•	_			1203109	
F'c			(T-6			-	P _c	2007	c		
								·				
	$P_{\mathbf{w}}$	P	2 -		$(\mathbf{F_cQ})^2$: (1	$\left[\begin{array}{c} cQ \right]^2 \\ -e^{-s} \end{array}\right]$	P _w 2	$P_c^2 - P_w^2$	C	al. P.	
No.		1	t r	cQ	(LCA)	}	C4/8)	`w~	1 c-1 W		al. Pw Pw Pc	
	Pt (psia)						· · /	Stands	651360		677	
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COMPANY II Face Referred Case Company												
REMARKS												
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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_W). MCF/da. @ 15.025 psia and 60° F.
- P_C= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\rm t}$.