Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Bacin Dakota				F	Formation Dakote			County SAN JUAN					
Initial X Annual Special Date of Test 12-36-62													
Comp	any Pan Am	wican	Petre]	Leven Co	rporati	ase	Hare Gas	Undt "C"	Wel	.1 No	1		
Unit K Sec. 25 Twp. 29-1 Rge. 10-1 Purchaser													
Casi	ng 4-1/2 V	√t <u>1</u> (0.5_I	D. <u>4.</u> ()52 Se	t at_ 👪	26 Pe	rf. 646	<u>×6</u>	To	36		
Tubing 2-3/4 Wt. 1.7 I.D. 1.995 Set at 630 Perf. To													
Gas Pay: From 6352 To 6436 L 636 xG(.700 kg.)GL Bar.Press. 12													
Prod	lucing Thru:	: Cas	sing		<u>T</u> u	bing	X	Type We	11_31_0				
Date	of Complet	cion:_	12-16	42	Packe	rNone	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or	÷•0• 1	mal	
OBSERVED DATA													
Tested Through (Prover) (Choke) (Meter) Type Taps Tlasse													
			low Da					Data		Casing Data			
No.	(Prover) (Line)	(Cho	*	Press.	Diff.	Temp.	Press.	Temp.	Press.			Duration of Flow	
	Size		-	psig	h _w	o _F .	psig	o _F ,	psig	°F.	Hr.		
SI	10 Days						1966		1996				
2.	<u>2•</u>	· · · · · · · ·	750	191	ļ- <u>-</u>		266	60° Est.	565		-3	Jours	
3.		 			 	 	<u></u>	 		 	ļ		
4.		1								<u> </u>			
5.													
								_					
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow													
No.	Coefficient			PI			actor Factor				Rate of Flow Q-MCFPD		
WO.	(24-Hour) 7/		√ h _w r	h _w p _f psia		F		Fg	Fpv		@ 15.025 psia		
ᢋ᠆ᡶ	12,3650		, VWI		203			.9258	1.035		2362		
1. 2.	2-6 3-5-					1,00		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				<u> </u>	
3.													
4.				<u>†</u>									
5.													
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas													
Gravity of Liquid Hydrocarbons (1-e-					deg.			Specific Gravity Flowing FluidP_ 2008 PC 4.032.064				Tuid	
⁷ c			(,	L -e - <u>/</u> _			•.	^г с		rc 	V.M.V		
No.	P _w		2 F.	0	$(F_cQ)^2$	(F	(cQ) ²	P _w 2	P _C -P _w ²	Ca	al.	Pw	
	Pt (psia)	Pt		;	/- G-€/	(i	-e -/ [3	77	"	I	W	P _w P _c	
1. 2.	2/8							32,929	3,677,1	33			
3.		 							 				
4.			_						 	 			
5.													
Absolute Potential: 2541 MCFPD; n COMPANY ADDRESS Bas 450, Faradagon, Bow Musico													
ADDR	ESST and TITLE			Sec. of		n Sagin		G/ - 7	- 10	1514	[1] /		
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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
- P_t 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 $P_{\mathbf{t}}$.