NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT	BACK	PRESSURE TEST	FOR	GAS	WELLS
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Pool	Jalmat	t		Formation	Yat	es		_County	Lea					
										-3 to 12-7-56				
Company Ralph Lowe														
Unit N Sec. 36 Twp. 238 Rge. 36E Purchaser El Paso Natural Gas Company														
										10				
	Tubing 2 Wt. 4.7 I.D. 1.995 Set at 3500 Perf. To													
	Gas Pay: From 2895 To 2910 L 2895 xG .650 -GL 1882 Bar.Press. 13.2													
Producing Thru: Casing X Tubing Type Well G. O. Dual Single-Bradenhead-G. G. or G.O. Dual														
Date	of Complet	ion: 3-	3-48	Packe	r_3425		_Reservo	ir Temp						
	_	 -			OBSERV									
Test	ed Through	(1988)	(10000	M (Meter)				Туре Тар	s Fig.					
10300	ou imougn					W. bina	Doto	Casing D	ata					
	/TEXT	Flow	v Data	s. Diff.	Temp	Tubing Press.			Temp.	Duration				
No.	(Line)			ig h _w				i	1	of Flow Hr.				
	Size	Size	psi	ig h _w	· ·	psig	F .	809	+ - +	72				
SI		1 050	70	7 9.0	95			708	+ + +	24				
1. 2. 3.	4.000	1.250						675		24				
3.	4.000	1.250		0 20.7				656		21.				
4. 5.	4.000	1.250		9 46.2				576	↓	2\				
<u>-</u> -	Coeffici			Pressure	FLOW CAL	CULATION Temp.	Gravity Factor	Compre	ess. R	ate of Flow Q-MCFPD 15.025 psia				
No.	(24-Hou	(24-Hour) $\sqrt{h_{W}p_{f}}$		psia		t	Fg	Fpv		@ 15.025 psia				
7.	9.643		80.50		,968	0	.9608	1.000						
2.	9.643		102.00		.968	0	.9608		057	968 1118				
3。	9.643		117.16		.972	3	.9608		059	1559				
1. 2. 3. 4. 5.	2.643		164.05		975ء	0	.9608		.052	1337				
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio Dry cf/bbl. Specific Gravity Separator Gas .650 Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 822.2 Pc 676.0														
No.	Pt (psia)	Pt ²	F _c Q	(F _c Q)	(-	F _c Q) ² l-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Pw	P _C				
1.	721.2	520.1	1.4	2.0		.2	520.3 474.0	155.7	721. 688.					
2.	688.2	473.6	1.8	4.0),5	448.3	227.7						
3.	669.2 589.2	447.8 347.2	2.8	7.8		0.9	348.1	327.9						
4. 5.	207.6	24105												
	olute Poten	tial: 3	100		MCFPD	; n	164							
COM	PANY	12	alph Lo	770										
ADDI	RESS	F	. O. Bo	x 832, Mi	lland. Be	IX88								
AGENT and TITLE Archie P. Farr, Petroleum Engineer														
	NESSED													
COM	PANY				RE	MARKS								

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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV}^{-} 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 $P_{\rm t}$.