NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

HOBES OFFICE OCC MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Jalmat			Fo			1357 C Lates	EC 9		Loa		
	InitialAnnual											
Compa	any Kl	Paso Na	tural G	as Co.	<u> </u>	Lease_1	Moberly E	lliott	We]	1 No	2	
Unit D Sec. 21 Twp. 268 Rge. 37% Purchaser K1 Page Natural Gas Co. Casing 5 1/2 Wt. I.D. Set at 3236 Perf. To												
Tubing None Wt. I.D.												
Gas Pay: From 3018 To 3036 L xG, 645 GL Bar. Press. 1												
Producing Thru: Casing I Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: 1-17-54. Packer Kone Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.												
							ED DATA					
Tested Through (Prover) (Choke) (Meter) Type Taps Flance												
			Flow Data				Tubing Data		Casing Data		T	
No	(Prever) (0h	oke)	Press.	Diff.	Temp.			Press.	Temp.		
	(Line) Size	S	Size	psig	h _w	\circ_{F} .	psig	°F.	psig	or.	of Flow Hr.	
SI									838/842		18/24	
2.	-	100	250	554 548	51,84 42,90				629	 	61/2	
3.	4	1.2		535	25.00	- 66	 		651	ļ <u>-</u>	16	
4. 5.			250	541	9.92	76			668	<u> </u>	6	
No. 1. 2.	Coefficient Flg. (24-Hour) 9.643		<i>_</i>			FLOW CALCULATI Flow Temp. Factor Ft			Compress. Factor Fpv 1.056		Rate of Flow Q-MCFPD @ 15.025 psia	
2.	9.643		155.14			9887		-9645	1.051		1,499	
3。	9.643			117.05		.9946		.9645	1.053		1,140	
4. 5.	9.643		74.14	74.14		.9850		.9645	1.050		713	
	quid Hydr y of Liqu		rocarbo		PRI	cf/bbl.		Speci Speci		ty_Flow	arator Gas ving Fluid	
No.	P _w (psia)	P:	2 F _c C	2	$(F_cQ)^2$	(F (1	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c	
1.	620.2							384.6	346.8	620	2 .73	
2. 3.	664.2	+				_		441.2	319.0 290.2	664		
4.	681.2							464.0	267.4	681.		
5.												
Absolute Potential: 3.500 MCFPD; n 1.000												
COMPANY EL PASO NATURAL GAS COMPANY ADDRESS Box 1384 - Jal, Nov Maxico												
AGENT and TITLE P. 2. W. want B. T. Wright - Petroleum Engineer												
WITNESSED Conducted by: Farl G. Smith												

REMARKS

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 \equiv 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.
- Fg Gravity correction factor.
- Ft 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_{+} .