NEW MEXICO OIL CONSERVATION FORMISSION

OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR AS WELLS

PM 12.

Count 53

Remont

Producing Thru: Casing

Gas Pay: From 3610 To 3714 L 3575

Tested Through (Meter)

Tropped to Charles

(Line)

Size

Coefficient

(24-Hour)

Gas Liquid Hydrocarbon Ratio\_

.135

6.135

6.135

Date of Completion: 12-12-55 Packer None

Company Kamble Oil & Refining Co. Lease N. M. State M

Casing 54 Wt. 17.0 I.D. 4.892 Set at 3578 PER. 3578

Tubing 2-3/8 Wt. 1.70 I.D. 1.995 Set at 3576 Perf. 3575

Initial

No.

SI

No.

2.

nt.		Formation			T FOR GAS	WELLS PM 12. Count 53		Revised 12-1-	
								5 to 12-9-56	
								4	
								Company	
		4.892 Se		M					
		1.995 Se							
Casing		Ti	Tubing		Type Wel		Bar.Press. 13.2  1 single  thead-G. G. or G.O. Dual		
on: 13	L12-55	Packe	r Kon	Sin	gle-Brade Reservo	enhead-G.	G. or G	.O. Dual	
- ·				ED DATA					
<b>Para</b>		(Meter		DO DAIR		Туре Тар	e <b>11</b>		
			-	m	Doto	<b></b>			
COLOR	w Data	ess. Diff.	Temp.	Press.	Data Temp.	Casing D	Temp.		
Orific Size	e)   	sig h <sub>w</sub>	°F.	psig	°F.	psig	□ <sub>F</sub> .	of Flow Hr.	
				720				72	
L-000	55		162	570 514				24 24	
1.000	534		75	637			-	2 <u>4</u> 24	
t	·	Pressure	FLOW CAL Flow	CULATION Temp.	SGravity	Compre	ss.	Rate of Flow	
$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	psia Fac		Factor F <sub>g</sub>	Factor Fpv		Q <b>-M</b> CFPD 15.025 psia	
179.7		574.2		63.6	0. <b>9225</b>	1.053		1090	
	17.0	570.2 551.2	0.9	602	0.9225	1.053		670	
	92.14	558.2	0.1	444	0. 9225	1.062			
	atio	PR	ESSURE C cf/bbl. deg.	ALCUIATIO	ONS Speci Speci		ty Sepa	rator Gas	
P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca:	1 17	
340.1	10.		17.		357.2	181.8	425.	0,597	
395.9	-	66 M.36		2	103.1	135.9	364.	<u> </u>	
LOG Z						_46004_			
408. <u>6</u> 422. 8	5.		4.		427.6	111.4	333	0.467	

Specific Gravity Gravity of Liquid Hydrocarbons deg. \_(1-e<sup>-s</sup> Pc 734.2  $P_{\mathbf{w}}$  $(\mathbf{F_cQ})^2$  $(F_cQ)^2$  $P_c^2 - P_w^2$ No.  $F_cQ$  $P_w 2$  $(1-e^{-s})$ Pt (psia) 111.8 543.2 10.23 7.1 357.2 <u> 395.9</u> لدهد <u> 135.9</u> 639.2 124.4 127.6 680.2 **122.8** 2575 0.989 Absolute Potential: MCFPD; n COMPANY ADDRESS AGENT and TITLE District Superintendent WITNESSED COMPANY P 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 = Actual rate of flow at end of flow period at W. H. working pressure ( $P_W$ ). MCF/da. @ 15.025 psia and 60° F.
- Pc 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- F<sub>DV</sub> Supercompressability factor.
- n I Slope of back pressure curve.

Note: If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due to friction within the flow string to Pt.