CORRECTED COPY

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS-WELLS

Pool	Jalmat		F	'ormation	Y	ates		_County	Lea		
Init	ial	/	Annusi		Spec	ial		_Date of	Test_ <u>5/6</u>	- 5/10/57	
Comp	any Hable	011 & Re	fining Co	пралу	Lease_	en Hexie	State A	AWel	1 No	1	
Unit	NI M	Sec. <u>22</u>	Twp 23- _	S Rg	e 36 5	Purc	haser_ Kl	Paso Nati	ural Gas	Co.	
	ng 7					U.	R•				
	ng 2* V										
	Pay: From										
	ucing Thru:										
Date	of Complet	cion: 6	-1550	Packer	r Non	Sin	gle-Brade Reservo	nhead-G. ir Temp.	G. or G.(O. Dual	
	·					ED DATA		_			
Test	ed Through	(Protes	s) (Ebeka)	(Meter)				Type Tap	s Flan s	•	
Flow Data							ng Data Casing Data				
No.	(Preser) (Line)	(Shote) Press	. Diff.	Temp.		Temp.			Duration of Flow	
	Size	Size	psig	h _w	°F.	psig	°F.	psig	°F∙	Hr.	
SI 1.	<u>. </u>	1.250	504	4.0	71,	611				72 24	
1. 2. 3.		1.250	584	12.96	7 <u>1.</u> 76	586				24	
<u></u> 3•		1.250	562 568	32.49 43.56	76 76	564 550				2 <u>L</u>	
4. 5.											
						CULATION					
No.	Coeffici	ent	P:				Gravity Compres Factor Factor				
110.	(24-Hou	ır) _V	hwpf	psia	F.	t	Fg			15.025 psia	
1. 2.	9.643		49.44 611.2		0.9868		0.9535	1.061		476	
	9.643		7.98	597.2 0.985			0.9535	1.05		811	
3. 4.	9.643			575.2 561.2	0.985		0.9535	1.056		1307 1491	
4. 5.	A*040		2.33	201.04	U. 707		V43333	1.02			
				PRF	ESSURE C	ALCU ATI	ONS				
								a: 0 ::			
as L ravi	iquid Hydro tv of Liqui	carbon K d Hydroc	atio arbons	· ·	cf/bbl. deg.			fic Gravit fic Gravit			
Gravity of Liquid Hydrocarbons deg. Specific $(1-e^{-5})$ 0.131 P_{c}								24.2	P _c ² 389	.6	
				-							
	P.	2		2		.2		2 2			
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	F _c Q	$(F_cQ)^2$	(F)	cQ) ² -e-s)	P_w^2	$P_c^2 - P_w^2$	Cal.	Pw Pc	
1.	613.2	376.0	4.73	22.3		2.93	378.9	10.7	615.6	0.986	
2.	599.2	359.0	8,36	69.8		9.16	368.2	21.4	606.8	0.972	
3.	577.2	333.2	12.99	168.7	-	2.10	355.3	34-3	596.1	0.955	
<u>4.</u> 5.	563/2	317.2	14.81	219.3	2	8.73	345.9	43.7	588.1	0.942	
Absolute Potential: 8700 MCFPD; n_ 0.8098											
COMPANY Buble 011 & Refining Company											
ADDR:	ESS properties of the control of the	For 23	47, Hobbs	, New Man		N4 _ A A . A	Ones 4 4				
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COMP			Natural G	as Co.		ARKS					
					LT.M	CANN					

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 I Actual rate of flow at end of flow period at W. H. working pressure (P_W) . MCF/da. @ 15.025 psia and 600 F.
- P_c = 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
- 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.
- F_{g} 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 $P_{\mathbf{t}}$.