NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1 Wilder	<u> </u>	PF	ormation_	D	ikota	County	tio Arri	<u> </u>
Ini	tial	X	Annual		Special		Date of	Test/.	-10-57
Com	pany Horth	est Prod	luction Co	D• L	ease	ngn .	Wel	1 No	2-5
Uni	t <u>B</u>	Sec.	Twp. 261	Rge	5 4 P	urchaser	Not com	ected	
Cas	ing 😘 📉 V	14, 1 Vt. <u>6 17</u>	.5.5, I.D	Set	at 7678	Perf 7	464	To	7572
	Z-3/8	8.7			742 1				
									35. <u>12</u>
					ing TT				
Date	e of Complet	cion:	12-30-56	Packer	Yes - 7420	Single-Brade Reserve	enhead-G. oir Temp.	G. or G.	O. Dual
	•	*******			OBSERVED DA		• -		
Test	ted Through	(Prove	r) (<i>Palade</i>)	(MASAM)	02022		Туре Тар	S	
			w Data		Tub	ing Data	Casing D		
		(Choke	e) Press	Diff.		ss. Temp.	Press.	Temp.	
No.	(Line) Size	(Orific	~~ <i>,</i>	h _w		ig °F.	psig	o _F .	of Flow Hr.
SI l.			1112		2167		1045		
2.	2/48								
3. 4.	3/4" Prov		1110		***		1045		l br
5.		<u> </u>				L	L	1	
No.	Coeffici (24-Hou			ressure	Flow Temp. Factor Ft		Facto	r	ate of Flow Q-MCFPD 15.025 psia
1. 2.	12,1783			106	1.0088	.9608	1.010		1288
3° 4° 5°									
5.									
ravi	Liquid Hydro	d Hydrod	carbons	0	SSURE CALCUIA ef/bbl. deg.	Speci Speci		ty Flowi	ator Gas ng Fluid
No.	P _w	Pt ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w 2	P _c -P _w ²	Cal P _w	P _W P _C
1. 2.	100	12	23.92	572	169	161	A567		1.0396
2. 3. 4. 5.					 			+	
	olute Potent	ial:	1326		MCFPD; n_	75/1.8296			
COMF		Po		hmet Pip	eline Corp.			. % }	
AGEN	IT and TITLE		A. Bugan	may, Inc	nington, Hou	- Fire	- J	KLLI	
	JESSED PANY							APR &	
					REMARKS		1 31	CON. C.	OM.

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 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.

DRILLING DEPARTMENT

				COMPANY MORE THREE	t Production Corp.	
					WELL NO. 2-5	
				DATE OF TEST	1-10-57	
SHUT 1	IN PRESSURE	(PSIG): TUBIN		MY SI MX 2167	OD <u> </u>	.YS
SIZE E	BLOW NIPPLE	3/4" Critical	Flow Prover	<u>lst.</u> Sr65		
FLOW 7	THROUGH	Tubing		WORKING P	RESSURES FROM	
	TIME		Q (MCFD)	WELLHEAD WORK	(ING	
HOURS	MINUTES	PRESSURE	15.025 PSIA & 60°F	PRESSURE (P	SIG) TEMP	
1	55 pm		Open.			
	30	131	1113	1047		
	45	113	1113		<u>50</u>	
-	00 15 30 45 00 15 50 45	101	1113			
Ť	30	100	1113	0000		
1	45	99	1113			
2	-18	107	1113 1113	1045		
-2	36	100	1113		51	
<u> </u>	45	98	1110	1045		
3	00	96	1110	1045		
		1:55 pm		END TEST AT _#:	55 Pm	
SIAKI	A1	1.25 PM				
			y of discal and water	<u>, , , , , , , , , , , , , , , , , , , </u>		
			lessi såd veter			
		beary sing of f	fluid - mostly unter			—
			fluid - 5 min intere			=
	1:50 -	2:10 - slug of	finid - 5 - 10 min i	stervale, mostly		
			new of finid - mestly	maker		
	2:39 - 3	1:00 - spray of	PARIA			
				TESTED BY	T. A. Bugan	

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