MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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									•••		22/8-26-60
Company Jal Oil Company, Inc.						Lease Jenkins			Wel	2	
Unit	<u> </u>	Sec. <u>29</u>	Twp .	25	Rge	. 37	Purc	haser E	l Paso l	Vatura	l Gas
Casi	ing 7" V	Vt. 20	I.I	٠	Set	at 34	,00 Pe	rf		То	
	ing 2 V										•
Gas	Pay: From	3112	To 31	32	L 3112	х	cG 0.661		057	Bar.Pre	ss. 13.2
Prod	lucing Thru:	: Casi	.ng	x	Tub	ing		Type We	11 sir	gle	.O. Dual
Date	e of Complet	cion:_1	2-10-	51	Packer		S i n	gle-Brade Reservo	enhead-G. oir Temp.	G. or C	i.O. Dual
					——————————————————————————————————————		ED DATA				
Test	ed Through	(BOOK	xxxxx	DEBUSE)	(Meter)				Туре Тар	s fl	ange
			ow Dat				Tubing	Data	Casing D		
No.	(Prover) (Line)	(Chok	e) P		Diff.	Temp.	Press.	Temp.			Duration of Flow
	Size	Siz	e	psig	h _w	o _F .	psig	° _F ,	psig	⁵F∙	Hr.
SI l.	L	.75		110	1.00	106		ļ	450 432		72
2.		75	0	90	3.61	95			395		24
3. 4. 5.		7 5		136 133	5.29 9.61	92 88			375 315		24 24
							CULATION				
No.			_ 1		Fac	tor	Factor	Factor		Rate of Flow Q-MCFPD	
	(24-Hou	r) 7	/ hwpf		psia	F	t	Fg	Fpv		@ 15.025 psia
1. 2.	3.435 3.435		$\frac{11.5}{19.3}$.958 .968		.9527 .9527	1.00		36.39 61.13
<u>ء</u> 3 و	3.435		28.0			970		9527	1.0		90.29
4. 5.	3.435		37.4			.971		.9527	1.0	2	120.9
PRESSURE JALCU ATIONS Las Liquid Hydrocarbon Ratio dry cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid C 0.707 (1-e-5) 0.132 PC 463.2 PC 214.5											
No.	P Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q		(F _c Q) ²	(F	c ^Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca P	Pw Pc
1. 2.	445.2 408.2	198. 166.	3					168.2 166.6	16.3 47.9		06 88
3.	388.2	150:		- N	eg.	*		150.7	63.8		188
4. 5.	328.2	107.	7					107.7	106.8	+	.708
Abso COMP ADDRI	ESS Draw	Oil Co	10 mpany Jal,	In	c. Mexico	MCFPD;		, 632 ,			
WI:IN	T and TITLE ESSED	J.B. M	<i>lee.</i> urray				I	adell E	llis, Pr	od. S	upt
COMP	A 3737	Pase-N	•	l Ga	•	REM	ARKS				

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.

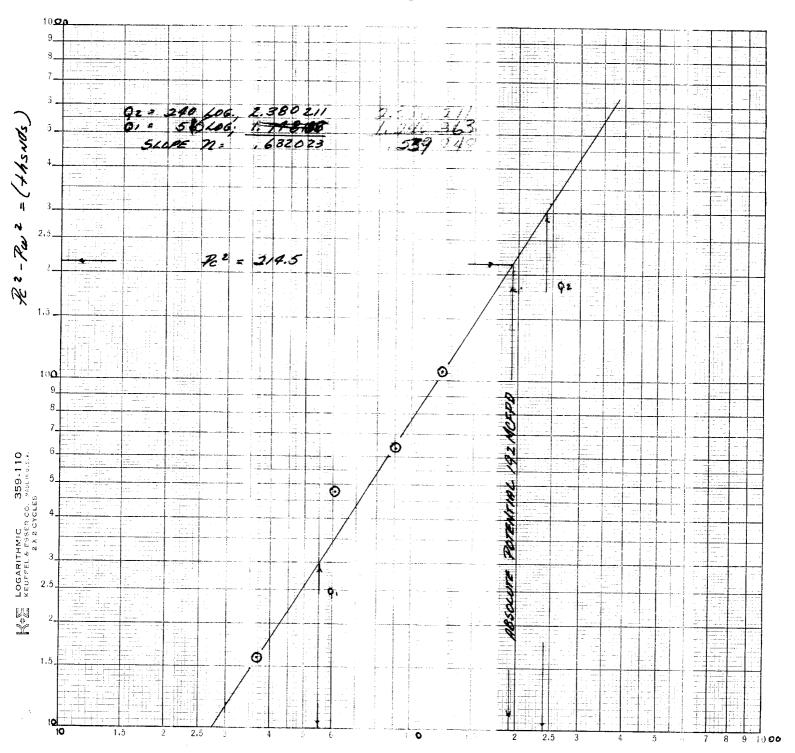
The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- Fnv 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 $P_{\rm t}$.

JAL OIL COMPANY, INC. JENKINS NO Z K-29-25-37 LEA Co., N.M. 8-26-60



Q = MCFPD

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