MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122

Revised 12-1-55

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Size Size psig hw OF. psig OF. O	LOOT	SWALTE				يقط أوأسد الداهدات الأ		2004 60		county		
### 1874 Sec. 30 Pro. 33 Sec. 368 Purchaser (No line to field) #### 1874 Sec. 30 Pro. 39 Sec. 34 4972' Perf. 4997' To 4972' ###################################	Init	ial XXX		_Anno			Spec	ial		_Date of	Test	tay 9, 1960
Second 1/2" Wt. 1/29 I.E. 4,09 Set at 4072' Perf. 4097' To 4072'	Comp	any Aless	Corpor	retio	0]	Lease0	hio-Fede	rel	Wel	1 No	1
### Park	Jnit	ME/4 S	ec. <u>X</u>		o. 9s	Rge	. <u>36E</u>	Purc	haser(o line to	field))
### Park	Casi	ng 4 1/2" W	t. 9 1/	/24 I	.D. <u>4.0</u>	9 Set	t at 497	2 Pe	rf 4897	•	To 497	/2'
Reservoir Temp. Reservoir Temp. Packer P	'ubi	ng 2 3/8" W	t. 4.7	/ I	.D. 1.9	95 Set	t at	Pe	rf.		То	
Tubing Trype Well Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. Res												
Completion: 4-79-60 Packer Reservoir Temp. Completion: 4-79-60 Packer Reservoir Temp. Completion: 4-79-60 Press. Press. Completion: 4-79-60 Press. Pres											_	
Steel Through Prover Christs Tubing Data Casing Data) a t c	of Complet	ion. A			Psakas		Sin	gle-Brade	enhead-G.	G. or G	.O. Dual
Prover Prover Press Diff. Temp. Press Temp. Temp	ave	or compred	1011,	<u>-77-</u>		i acker			neser vc	orr remb.		
Flow Data			,			,	OBSERV	ED DATA				
(Prover) ((Prover) (Orifice) (Orifi	este	ed Through	(Prove	r) (teres.	(Katar)				Type Tap	os	
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Provided Hydrocarbon Ratio 80.94											 	r
PLOW CALCULATIONS					1							1 hr. 45 mt
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D. 2412 No. / Sec. /	٥.			<u></u>			Fac	tor	Factor	Facto	r	Q-MCFPD
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PRESSURE CALCULATIONS Liquid Hydrocarbon Ratio 60 938 cf/bbl. Specific Gravity Separator Gas 6 Specific Gravity Flowing Fluid 7 Pc 1402 Pc 1964 Pw Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² (FcQ) ² Pw Pc 1964 Pt (psia) Pt 1533 1535 1535 1535 1535 1535 1535 153												
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Pw	s Li	iquid Hydro	carbon	Ratio	_80.93	A	cf/bbl.		Speci	fic Gravi	ty Sepa	rator Gas_ <u>0.7</u>
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134.) 1833 1515 1515 1515 1515 1515 1515 1515	0.		$P_{\mathbf{t}}^2$	Fc	,Q	$(F_cQ)^2$	(F (1	cQ) ² -e-s)	P_w^2	$P_c^2 - P_w^2$	I	
DISOLUTE Potential: 2,300 MCFPD; n 0.99639 MC			1833						1833 8			266
Solute Potential: Solute Potential: MCFPD; n_0.99639 MCFPD; n_0	•											- + + + //
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MCFPD; n_0.99639 MCFPD; n_0.9	:			+							4	
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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 ($P_{\rm W}$). 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.