Form C-122

Revised 12-1-55

OIL CON. CC.

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS

						County	
nitial		Annual		Special	···	Date of Te	est_ 3-24-60
mpany Redfe	rn and He	rd Inc.		Lease	ith	Well	No. 1
it J	_Sec 12	Twp. 29	T Rg	e. 13W	Purchaser_		
					Perf. 4994	-	6142
					Perf. 6247		6250
							r.Press.
					Type We		
					Single-Brade Reserve	anhead_C C	om C O Duni
				OBSERVED I			
sted Throug	h <u>(Prover</u>	·) (Choke)	(Meter)			Type Taps_	·
(Presser		w Data			bing Data	Casing Dat	
(Line)) (Choke (Orific	e) Press	Diff.		ess. Temp.	Press. T	emp. Durati
Size	Size	psig	h _w		sig °F.		^o F. Hr.
			-	109)	2158	
	3/4	248		63		870	
			+			870	3 hrs
			F	LOW CALCULA	TIONS		
Coeffic	eient	P	ressure	Flow Temp	• Gravity		• Rate of Flo
(24 - Ho	our) /	hwpf	psia	Ft	Fg	For	Q-MCFPD @ 15.025 ps
					5	PA PA	
12.3650			260	.9972	2606	1.027	3163
						1	
ity of Liqu	id Hydroca	atio_arbons(1-e^-s)		SSURE CALCU cf/bbldeg.	Speci Speci		Separator Gas_Flowing Fluid_
ity of Liqu	rid Hydroca	arbons		cf/bbl. deg.	Speci Speci P _C	fic Gravity	Flowing Fluid
ity of Liqu	rid Hydroca	arbons (1-e ^{-s})		cf/bbl.	Speci Speci P _C	fic Gravity	Flowing Fluid
ity of Liqu	rid Hydroca	arbons (1-e ^{-s})		cf/bbl. deg.	Speci Speci P _C	fic Gravity	Flowing Fluid
ity of Liqu Pw Pt (psia)	Pt Pt	arbons (1-e ^{-s})		cf/bbl. deg.	Speci Speci P _C	fic Gravity 170 P	Cal. Pw Pc
Pw Pt (psia) Plute Potent	Pt 778	F _c Q	(F _c Q) ²	cf/bbl. deg.	Speci Speci P _C _2	fic Gravity 170 P	Cal. Pw Pc
Pt (psia)	Pt 778 tial: 362 dfern & He	F _c Q	(F _c Q) ²	Cf/bbldeg. (FcQ) ² (1-e-s	Speci Speci P _C 2	fic Gravity 170 P	Cal. Pw Pc
Pw Pt (psia) Plute Poten PANY RESS	Pt 778 tial: 362 dfern & He	F _c Q	(F _c Q) ²	Cf/bbldeg. (FcQ) ² (1-e-s	Speci Speci P _C _2	fic Gravity 170 P	Cal. Pw Pc

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 Tactual rate of flow at end of flow period at W. H. working pressure $(P_{\rm W})$. MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- 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.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If P_{w} cannot be taken because of manner of completion or condition of well, then P_{w} must be calculated by adding the pressure drop due to friction within the flow string to P_{t} .

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SANTA FE FILE U B.G.S.		7
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