MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Formation

County

Form C-122

Revised 12-1-55

Pool _____

Form	C-122

									1020	9-10-56
mpar	ny Gulf	011 Corp	oratio:		Lease	Shipp '	Be	Wel	1 No	3
it	HSe	ec	Twp	193 Rge	e. 37E	Purc	haser R	ermian Ber	dn PL	Co.
₃inį	g_ 7* W	t. 20.0	_ I.D	6.156" Set	t at 	770' Pe	rf 35	501	To 3 '	7701
oine	g 2.375" W	t h.7	I.D.	1.995° Set	tat 💃	 787' Pe	rf. 37	73'	To 3'	777'
									-	ss.
ou u c	cing Thru:	. Casing	,		mg	Sin	Type we gle-Brade	nhead-G.	G. or C	.O. Dual
e c	of Complet:	10n:	4-11-2	Packer			Keservo	ır Temp		**************************************
					OBSERV	ED DATA				
sted	d Through	(Become	r (Choix	(Meter)				Type Tap	s	Pipe
	7		Data			Tubing		Casing D		
		(Choke) (Orifice		s. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flo
	Size	Size		g h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.
	1.		1.1.2			968.7		992.2		721
	4	1.50		.0 6.3	51 57	\$68,3	 	906 ₊ 0	 	24
	4	1.50	147	.7 15.0	59	717.0		775.7		24
	<u>t</u>	1.50	443	.5 23.2	43	595.6		682.2	 	23-3/4
-				т.		CIT ATTON	<u>-</u>		<u> </u>	-
	Coefficie	ent		Pressure		CULATION Temp.	Gravity	Compre	I	Rate of Flow
	(24-Hour	a) -/	h _w p _f	p s ia	Fact	tor	Factor	Facto		Q-MCFPD @ 15.025 ps:
	15.26		11 _W P £	162.3		t 78	F _g	F _{pv}	1	9 1).02) ps.
	15.26		4.04	463.3	1.00	9	0.9463	1.6	145	1016
	15.26 15.26		03.12	160.7 158.7	1.00	71	0.9463		165 163	1255
<u></u>										
L				PRE	ESSURE C	ALCUIATI	ONS	162	- 1.97 - 4.0	Š.
	quid Hydroc	arbon Ra	tio		cf/bbl.		Speci	112	- 4.00	rator Gas
Liq	quid Hydrod v of Liquid	t Hurdmona	mhone		cf/bbl.		Speci Speci	fic Gravi	- 4.00 ty Sepa tv Flow	rator Gas
Liq	quid Hydrod of Liquid 9.936	t Hurdmona	mhone		cf/bbl.		Speci Speci	fic Gravi	- 4.00 ty Sepa tv Flow	rator Gas
Liq ity	7 of Liquid 9.936	i Hydroca	mhone) 0'1'60	cf/bbl. deg.		Speci Speci	fic Gravitic Gravit	- 4.00 ty Sepa tv Flow	rator Gas
Liq ity	7 of Liquid 9.936	t Hurdmona	mhone		cf/bbl. deg.		Speci Speci Pc	fic Gravi	ty Sepa ty Flow PC	rator Gas_ring Fluid_1008.8
Liq ity P	y of Liquid y.936 w	i Hydroca	rbons_ _(1-e ^{-s}) 0'1'60	cf/bbl. deg.		Speci Speci Pc P.2	fic Gravitic Gravit	ty Sepa ty Flow P2 Ca	rator Gas ring Fluid 1008.8
Liq ity P	of Liquid 9.936 W Ot (psia)	i Hydroca	rbons_ _(1-e ^{-s}) 0'1'60	cf/bbl. deg.		Speci Speci Pc	fic Gravific Gravi	ty Sepa ty Flow PC Ca	rator Gas ring Fluid 1008.8
Liq ity P	of Liquid 9.936 W Pt (psia) 919.2 858.7 788.9	i Hydroca	rbons_ _(1-e ^{-s}) 0'1'60	cf/bbl. deg.		Speci Speci Pc P.2 1001.8	fic Gravific Gravi	ty Sepa ty Flow P2 Ca	rator Gas_ring Fluid
Liq	of Liquid 9.936 W Ot (psia)	i Hydroca	rbons_ _(1-e ^{-s}) 0'1'60	cf/bbl.deg.	cQ) ² -e-s)	Speci Speci Pc	fic Gravific Gravitation of the	ty Sepa ty Flow P2 Ca	rator Gas ring Fluid 1008.8
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Liq ity P P P Bolu IPAN	of Liquid 9.936 Pt (psia) 919.2 858.7 788.9 695.4 Oute Potenting Gal	Pt ial:	F _c Q	(F _c Q) ²	cf/bbl.deg.	cQ) ² -e-s)	Speci Speci Pc	fic Gravific Gravitation of the	ty Sepa ty Flow P2 Ca	rator Gas ring Fluid 1008.8
Liqqity PP	of Liquid 9.936 W Pt (psia) 919.2 858.7 788.9	Pt Pt Pt	F _c Q	(F _c Q) ²	cf/bbl.deg.	cQ) ² -e-s)	Speci Speci Pc	fic Gravific Gravitation of the	ty Sepa ty Flow P2 Ca	rator Gas ring Fluid 1008.8

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_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- $F_g \subseteq Gravity$ 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_{+} .