NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Und	esignated	F	ormation	Plot	ered Cli	í fa	_County_	No Ar	dba
	ialX									
Company Magnolia Petroleum Company Lease Jicarilla "F" Well No. 5 PC-UT										
Unit	H	Sec 23	Twp. 27	Rg	e 3	Purc	haser	Pacifie	Northwe	est ripaline
Casi	ng 7-5/8"	Wt. 25.40	I.D. 6.	969* Se	t at 424	0 Pe	rf3888		To 391	51
Tubi	ng 3-3/8 " I	vt. 4.7#	I.D. 1	.9 2 5 Se	t at 38 9	1 Pe	rf		To	•
Gas	Pay: From	3888* To	39151	_L _ 38	91' x	G 0.680(est <u>}</u> GL		Bar.Pre	ess. 12 psia
Gas Pay: From 3888 To 3915 L 3891 xG 0.680(est)GL Bar.Press. 12 psia Producing Thru: Casing x Tubing - Type Well G.C. Dual										
	of Complet					Sin	gie-Brade	nnead-G.	G. or G	.0. Dual
Date	or compre	DIOII:		racke			neservo	Tr. Temb.		
					OBSERV.	ED DATA				
Test	ed Through	(300000)	(Choke)	(MERRY)				Type Tap	s	
			Data			Tubing		Casing D	ata	
No.	(Prover) (Line)	(Choke)		Diff.			Temp.		!	Duration of Flow
	Size	Size	psig	h _w	°F•		°F.	psig	1	Hr.
SI		0.200	-			998		991 210	-	
1. 2.	2**	0.750	80	-	<u>64</u>	80	64	210	•	3 hrs.
3.	· · · · · · · · · · · · · · · · · · ·			+						
4.										
5.									<u> </u>	
No.	Coeffici	lent	P	ressure		Temp.	Gravity			Rate of Flow
NO.	(24-Hou	ır) √1	n _w p _f	psia	Fac F	t	F _g	Fpv	r	Q-MCFPD @ 15.025 psia
1. 2.	12,365 -		•	92		2	0.9393	- 1065		1065
$\frac{2.}{2}$										
3. 4.							·			
4. 5.										
	iquid Hydro			PRI	cf/bbldeg.	ALCU ATI	Speci Speci		ty Flow	rator Gasing Fluid
No.	P _w	Pt ²	F _c Q	$(F_cQ)^2$	(F ₀	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca P	Pw Pc
1. 2.	222	•		•		•	49.3	970-7	-	•
5.			ንኛ .							
3. 4.										
5.		325								
ADDRI	ESS . BOX	SHOO! WA	TO BEE	MARICO	MCFPD;	·- <u></u>	.85			
AGEN?	and TITLE	Wil	lean	0 70	wage	y dre G	e Engine	01	1111	
COMPA	SSED							/ØH.f	HH	}
JOHN P	**** *	· ———			REMA	ARKS		UCIO	2 1958	
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								OIL CO	n. com T. 3	' /

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 = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mathbf{W}}^{\perp}$ 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 $P_{\mathbf{W}}$ 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 $P_{\mathbf{t}}$.

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