NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

	MODEL AT CH		crmathon_	Mesaverde		_County	ILO APPI	ba
nitial	A	nnuel		Special		_Date of T	Test	28-57
ompany Kagno	lia Petrol	eum Compa	ny L	ease Jicarill	w alia	Well	l No. L	x,y.
nit	Sec1_	_Twp26	M Rge	. 3W Pu	rchaser Pe	cific Mort	threat	
asing 5 1/2*	Wt. 114	I.D. 5.0	12 Set	at 6100'	Perf. 5,536		ro 6,023	1
				at_5,523				
				23 xG 0.68				
	•			ingS				
ate of Comple	etion:_ 7-]	LO-57	Packer		ingle-Brade Reservo	nhead-G. (ir Temp	G. or G.	.O. Dual
				OBSERVED DAT				
e st ed Through	(Beere	Choke)	(Mabaak)			Type Taps	s=	
		w Data		Tubi	ng Data	Casing Da	ata	
(Line)) Press	· Diff.	Temp. Pres	s. Temp.	Press.	Temp.	Duration of Flow
Size	Size	· 1	h _w	° _F . psi	g o _F ,	psig	[⊃] F•	Hr.
20	0.750	0" 158	+	1,565 62 158		•		3 hours
20								
Coeffic (24-Ho			ressure psia	Factor Ft	Factor F _g	Factor F _{pv}	r	15.025 psia
12,3650)		170	.9981	.9393	1.01	7	2,00h
,								
s Liquid Hydr avity of Liqu	uid Hydroc	arbons_		SSURE CALCUIA cf/bbl. deg.	Speci Speci	fic Gravit fic Gravit	ty Flowi	rator Gasing FluidO.66
9.402								
Pt (psia)) P _t ²	, F _c Q	$(F_cQ)^2$	(F _c Q) ² (1-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P	P _C
Pt (psia)	P _t ²	, F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w 2	P _c ² -P _w ²		V
Pt (psia))	Ll				<u> </u>	P	V
Pt (psia)	28.9	18.6h		81.8	113.7	<u> </u>	P	V
Pt (psia) 170 Display to the potential property of the potential prop	28.9	18.6h	35k.9	8lis8 MCFPD; n	113.7	<u> </u>	P	V
Pt (psia) 170 Dosolute Poter DMPANY MAGNOT	28.9 ntial: NA PETROL. Box 2406	18.6h 2076 KM GONPAI	35k.9	MCFPD; n_	0.75	<u> </u>	P	V
Pt (psia) 170 Display to the potential property of the potential prop	28.9 atial: Bez 2106	2076 Hobbs, H	35ko9	8lis8 MCFPD; n	0.75	<u> </u>	P	V

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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.
- hw 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 $P_{\mathbf{t}}$.

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