NEW MEXICO OIL CONSERVATION COMMISSION HOBBS OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR MAS WHILE : 00

Pool	BURGIC		F	ormation	Seven	WTAGLE		County	T-61	<u> </u>	
[niti	al	Ann	ual	X	Spec	ial	·	_Date of	Test	-6 to 8-1	0-56
	any Amerad										
	Y s										
	7.0° W									700.	
ubin	ng 3½" W	t. 9.3#	I.D. 2.9	9 92 Set	t at	786' Pe:	rf		То		
as P	ay: From	33381 To	35601	T. 33	338' x	G 0.675	-GI.	2253	Bar.Pre	ess. 13.2	!
	-										
roau	cing Thru:	Casing_	<u> </u>	Tur	onng	Sin	Type we zle-Brade	enhead-G.	G. or G	.O. Dual	
ate	of Complet	ion: 5-2	1-54	Packer			Reservo	oir Temp	80*		
					OBSERV	ED DATA					
) m))	/ Torror	/ 	(M. 1.)				m m-	P1	an aa	
este	d Through	(Frover)	(onore)	(Meter)				Type Tap	S	rentRa	
	/ ******	Flow				Tubing		Casing D			
0.	(Hover) (Line)	(choke) (Orifice)		Diff.	Temp.	Press.	Temp.	Press.	Temp.	P	tion Flow
	Size	Size	psig	h _w	°F•	psig	°F.	psig	[⊃] F•	Hr	
I	4"				- 10-			875		72	
	4"	1.25*	561 564	18.49	62 65			774		24,	
\cdot	4.0	1.25"	563	25.00	68			737		24,	
	4,4	1.25	596	34.81	70			726*		24	
		1 200	+	<u> </u>					<u> </u>		
74	Unable to	get Jus ar	SA GOMD	Decrese	TAD WOLF	CULATION:	5				
	Coeffici	ent .	Pressu		e Flow Temp.		Gravity	Compre	ompress. Rate of Flow		
۰.	(0) 11	/				tor	Factor	Factor		Q-MCFPD @ 15.025 paia	
	9.643	r) $\sqrt{h_1}$	w ^p f 9.48	psia				Fpv			para
	9.643	1	3.29			752	0.9427	1.0		671 752	
•	9.643		0.00			724	0.9427	1.0		1150	150
-	9.643		5.60	·		905	0.9427	1.0		1395	7
c											
avit	quid Hydro y of Liquid	d Hydrocar		PRI 0.14	cf/bbl.		Speci Speci		ty Flow	rator Gas ving Fluid 788.9	
o •	P _w Pt (psia)	_	F _c Q	$(F_cQ)^2$) (T	cQ) ² -e ^{-s})	P _w 2	P _c ² -P _w ²	Ca F	il. Pw	
-	787.2	707.6	1.31	0.79		1.25	707.7	81.2	787	3 / 0.	72
•	750.2	567.8	1.52	2.31		.33	363.1	225.8	750.		
	739.2	546.4	1,85	3.42		1.49	546.9	242.0	739		
	10/0=	/ 7 77.5					2-1-41				
bsol	ute Potent	ial: 2	150	the Common	MCFPD;	n0.	52		-		7
OMPA DDRE		Drawer D					/		·		
	and TITLE		Bott, D	letrict	Ingineer	1()	4. al	lonts			
	SSED										
AMC		Paso Matur	al Gas	Company							
					REM	ARKS		:			ر امن

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
- 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
- P_{f} Meter pressure, psia.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.