Form C-122

MULTI-POINT BACK PRESSEE TEST FOR GAS WELLS

Revised 12-1-55

Pool	l Tapaci	to		F	ormation	i E ctur	ch Cliff	`s	_County_	Rio Ar	rriba	
Initial X Annual_					حبرهات حجم عاديات	Spec		_Date of	Test_	9/4/64		
Company Socony Mobil Oil Co., Inc.					с.	Lease	. C	Wel	1 No	5		
Unit J Sec. 8 Twp 26N Rge. 3W Purchaser El Paso Natural Gas Co.												
Casing 4-1/2 Wt. 9.5 I.D. Set at 3939 Perf. 3761 To 3824												
Tubing 2-3/8 Wt. 4.7 I.D. Set at 3770 Perf. To												
Gas Pay: From 3761 To 3824 L 3770 xGEst. 700 -GL 2639 Bar. Press. 120												
Producing Thru: Casing Tubing X Type Well Single												
Date of Completion: Aug. 28, 1964 Packer No Reservoir Temp.												
							ED DATA		•			
Test	ed Through	(Prov	er) ((Choke)	(Meter)				Type Tap	ıs		
Flow Data						Tubing Data			Casing Data			
No.	(Prover) (Line)	(Cho		Press	Diff.	Temp.		Temp.	Press.	Temp.	of Flow	
-	Size	Si	ze		h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.	
SI	2 ^{tt}	<u> </u>	750	254	ļ		1020 254	54	1040 756	 	3 Hrs.	
1. 2. 3.				-27			2-)-	<u> </u>	1,70		5 ms.	
3.		! 								ļ		
<u>4.</u> <u>5.</u>										 		
						FI.OW CAL	CITATIONS	3	. ,			
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of									Rate of Flow		
No.	(24-Hou	$r)$ $\sqrt{h_{wl}}$		psia		Fac F		Factor				
1.	12.3650	-	VWPI		-		8	F _g	1 pv 1.034		@ 15.025 psia	
2. 3. 4. 5.											3,2,0	
3.												
5.												
					PRI	ESSURE CA	ALCUTATIO	ONS				
las I.	iauid Hyd ro	na rhon	Ratio			of /bbl		enna.	fic Coord	tir Con	amatam Coa	
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid										wing Fluid		
[?] c			(]	e ^{-s})				Pc	1052	_P ² 1	106.7	
									<u> </u>			
No.	P_{W}	$P_{\mathbf{t}}^2$	F	Q	$(F_cQ)^2$	(F.	0)2	P.,,2	$P_c^2 - P_w^2$	C	al. Pw	
	Pt (psia)	·			·- 647	(1.	Q) ² -e ^{-s})	.,	• "		$\begin{array}{c c} al. & P_{W} \\ P_{W} & P_{C} \end{array}$	
2. 3. 4.	768							589.8	516.9			
3.												
4. 5.			+							 		
	lute Potent:	ial:		295		MCFPD.	n .8	 5	2	.141.85	= 1.9100	
COMP	ANY Socony	Mobil	Oil	Co., I			11	·				
	ESS <u>P.O. B</u> T and TITLE											
AGENT and TITLE R.W. Hensley Prod. Foreman WITNESSED No												
COMP.	ANY MW Kibre (1					RTM/	BKS Mat	1 Shirt 3	7 days p	mion +	o test	
	Well File (1)				TUM	WEL	T Düme−ri	uays s	A TOT.		
	El Paso Nat		(3)						- CP-	WFA		
	Mobil, Fmn. NMOCC (4)	(1)							KLUL	11 FF	• \	
	•		:							rs 1964	4	

SEP1 5 1964 OIL CON. COM. DIST. 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 \equiv Actual 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
- PwT 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.
- hwI Differential meter pressure, inches water.

XERO

- F_g Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\rm t}$.

XERO

XERO