Local Supplication of the

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT	BACK	PRESSURT	TOTT	FOR	CAS	MITTIES	~
MODIT-I OINI	DVOIT	1 100000103	LUCALL	ron	UAD	WELL	1

Pool	l Blineb	ry (Gas))	Fo	rmation	l	Blinet	ory	_County_	Lea_		
Init	tial	X .	Annual			Spec	cial		Date of Test		1 2- 1 4- 57	
Comp	panyN	. B. Hur	<u>nt</u>			Lease	Weather	ly	Well No		1-E	
Unit C Sec. 21 Twp. 21-S Rge. 37-E Purchaser None												
Casi	Casing 5 1/2 Wt. 15.5 I.D. 4.976 Set at 6190 Perf. 5568 To 5608											
Tubi	O. D. 2.375 Tubing 2 Wt. 4.7 I.D. 1.995 Set at 5790 Perf. Tubb Pay To											
Gas Pay: From 5568 To 5608 L 5588 xG .854 -GL 4772 Bar.Press. 13.2												
Producing Thru: Casing X Tubing Type Well G. G. Dual Single-Bradenhead-G. G. or G.O. Dual												
Date	e of Complet	ion:			Packe	r 57	Sir '90	n gle- B rade Reservo	enhead-G. oir Temp.	G. or (1 00	3.0. Dual	
	-								^ -			
Test	OBSERVED DATA Tested Through (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX											
			ow Data			· `		Data	Casing D			
No.	(Traxer) (Line)		Pı		Diff.	Temp.		Temp.	Press.		Duration of Flow	
	Size	Size	• 1	osig	h _w	°F.	psig	°F.	psig	°F∙	Hr.	
SI 1.	3.000	2.000	, - -	5.0		68			1780 1310		3	
2.	11	11		8.0		77		-	925		3	
<u>3.]</u>	11	11		1.0		81			363		3	
4. 5.		-		12.0		81		 	108	 	3	
			———- 				 -	4	L	<u> </u>	 	
 -	Coeffici	ant				FLOW CAL			Commo		Data of Elevi	
No.	Coeffici	ent		I	nches	Fac	tor	Factor	Facto	r r	Rate of Flow Q-MCFPD	
	(24-Hour) $\sqrt{h_{\rm w}p_{\rm f}}$				ercury	F	t	Fg	Fpv		@ 15.025 psia	
1.	1299			+-	10	.9924		.8381	1.0	00	1080	
2.	1692				16 .9840		*1		11		1395	
3.	2040			$\overline{}$	22 .9804				" "		1676	
4. 5.	2149			+	24	.9804		***			1766	
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas .854 ravity of Liquid Hydrocarbons None Prod. deg. Specific Gravity Flowing Fluid c 1.758 (1-e-S) .280 Pc 1793.2 Pc 255556												
No.	P _w Pt (psia)	P _t ²	F _c Q		$(F_cQ)^2$	_(T	c ^Q) ² -e ^{-s})	F _w 2	$P_c^2 - P_w^2$	F	P _W P _C	
$\frac{1}{2}$	1323.2	1750.9 880.2			3.606 6.012			1751.9	1463.7			
3.	938.2 376.2 121.2	141.5			8.679			881.9 143.9	2333.7 3071.7			
4.	121.2	14.7	3.105		9.641	2.6	99	17.4	3198.2			
Abso	Absolute Potential: 1,775 MCFPD; n .61 COMPANY West Texas Engineering Service, Inc.											
ADDRESS P. O. Box 2464 - Midland, Texas												
AGEN	T and TITLE		R. W.	Harr	ington	- Field	Petroleu	m Enginee	r			
WITN	ESSED											
COMP	ANI					REM	ARKS					

Tested with a Portable Test Tank and Low Pressure Separator.

A 24 Hr. Rate was not obtained because the gas was being vented.

Proof of Stabilization: Rate #4 - End of 2 Hrs. Well Head Press.

End of 2 1/2 Hrs " "

End of 3 Hrs. " " 108# End of 3 Hrs.

108#

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 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg 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 $P_{\mathbf{t}}$.

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Form C-122
 Revised 12-1-55

Pool	Bline	ry (Gas))F	ormation	1	Blineb	ry	_County	Lea			
Init	ial	X Annual S			Sp ec	ial		Date of Test		12-14-57		
Comp	Company N. B. Hunt			- -	Lease	Weather 1	у	Wel	1 No	1-E		
Unit C Sec. 21 Twp. 21-S Rge. 37-E Purchaser None												
Casi	Casing 5 1/2 Wt. 15.5 I.D. 4.976 Set at 6190 Perf. 5568 To 5608											
Tubi	0. D. 2.375 Tubing 2 Wt. 4.7 I.D. 1.995 Set at 5790 Perf. Tubb Pay To											
	Gas Pay: From 5568 To 5608 L 5588 xG .854 -GL 4772 Bar.Press. 13.2											
Prod	ucing Thru:	Casin	.gX	Tu	bi.ng		Type We	11 G.	G. Dua	l		
Date	of Complet	ion:		Packe	r57	Sin, '90	gle-Brade Reservo	enhead-G. oir Temp.	G. or 0	.O. Di	ual	
					OBSERV	ED DATA						
Test	ed Through	(KYXXXX)	CXX(CXBCSCKSK)	(X (MARY X)	(Tester	•)		Type Tap	S			
		Flo	w Data			Tubing	Data	Casing Da				
T	RECORDER		Press	. Diff.	Temp.		Temp.			Γ	Ouration	
No.	(Line) Size	(Orific	· 1	h _w	o _F .	നട ് മ	°F.	psig	OH.		of Flow Hr.	
SI		5120	POIS	11W	1 •	Pare			1 .	ļ		
$\frac{31}{1}$	3.000	2.000	5.0	1	68		<u> </u>	1780 1310	 		3	
2.	19	11	8.0		77		 	925	<u> </u>		3	
3.]	19	11			81			363			3	
4.	11	10	12.0)	81			108			3	
5.										<u> </u>	·	
					DIOU OAT	OUT A MIT ON	c					
	Coeffici	~ ~+			FLOW CAL			Compre		Data a	of Flow	
No.	COCTITCI	.enc		inches	Fac	tor	Factor	Facto	55.	O_MCF	מקי	
110.	(24-Hou	r) -/	hwpf	Marcury	F.		F_	Fpv	<u> </u>	@ 15 ₀ 0)25 psia	
<u>-</u>		· · · · · · · · · · · · · · · · · · ·	WFI				Fg					
1. 2.	1299 1692			16	.9924 .9840		.8381	1.0			1080	
3.	2040			22	.9804			11			1395 1676	
7.	2149			24 .9804			;1				L766	
4. 5.					*,,,,,						.700	
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas .854 cravity of Liquid Hydrocarbons None Prod. deg. Specific Gravity Flowing Fluid P. 1.758 (1-e-S) .280 P. 1793.2												
							Ç 					
No.	P _w	Pt ²	$F_{C}^{'}Q$	$(F_cQ)^2$	(T	c ^{Q)²} -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca F	w	Pw Pc	
1.1	1323.2	1750.9		3.606			1751.9	1463.7			73.8	
<u>∠•</u>	938.2 376.2 121.2		2.452 2.946	6.012 8.679			881.9 143.9	2333.7 3071.7			52.3 21.1	
]. 1	121.2	14.7	3.105	9.641	L.		17.4	3198.2			7.3	
5.					-+		• •		1	-		
			1 775				6 î					
Abso.	lute Potent	ial:	1,//5	Country	MCFPD;	n	.61					
COMF.	ANY West	P. O. Ra	Ringering	Midland	Torse							
ACENT	T and TITLE		R. W. Har	rington	- Field	Petrolein	m Engines	or				
	candilline ESSED	' 			- 1 - 1 - 1			<u> </u>				
COMP						····						
						ARKS	4 2					
	. 0		Tested w	nth a Po	rtable T	est Tank	and Low	Pressure	Separat	or.		

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