NEW MEXICO OIL CONSERVATION COMMISSION HOBBS OFFICE OCC Form C-122

ELVIS A. UTZ GAS ENGINEER

.	, Jalmat			MULT	I-POINT	BACK PRE	ESSURE TE	ST FOR A	(s ABILLS M	4.5	Revised 12-1-	
roo.	Jalmat				Formatio	on	a wivers		County_	Lea		
TIIT	crar	- 33 . 04	Annua	21		Spe	cial	<u> </u>	Date of	Test_1	2-31-56/1-4-57	
Comp	pany 3	erra o	LL Comp	any_	··· ·	_Lease	Toby		We	ll No	1	
Unit	<u> </u>	_Sec	7 Twp	24 S	F	lge. <u>37</u> 1	Pur	chaser_K	Paso Nat	tural Ga	s Company	
Cası	ing	_Wt	I.	D	s	et at 33	155' P	erf		То		
Tubi	Tubing 2 Wt. 6.5# I.D.				2.441" Set at 3636! Perf.			erf	To			
Gas	Pay: From	1_33551	_To_34	1001	L	355	xG0.66	O <u>-</u> Gl	2214	Bar. Pre	ss. 13.2	
Prod	ucing Thru	: Cas	sing	XX	T	ubing		Type W	ell G. O	. Dual		
Date	of Comple	tion:_	4-1-36		Pack	er_3440	Sir	ngle-Brade Reserve	enhead-G.	G. or G	.O. Dual	
							ED DATA					
Teste	ed Through	(1000			(Meter				Птто По	_		
			low Data			-	Tubing Data			Type Taps		
No.	(Line)	XX of the	is I		Diff.	Temp.		Temp.	Casing I		Duration	
	Size	,	ice) ze	psig	h _w	o _F .	psig		psig	o _F .	of Flow	
SI							P 6		453	·	Hr.	
1. 2. 3.	4.	1.0			32.49 46.92	83 85			420		24	
3.	4	1.0			53.29	88			408	 	24	
4. 5.	<u> </u>	1.0	00 3		87.42	67			392 *	 	24 24	
<u></u>	* Not er	cough d	nam don	II. — C	rifice	to small	· · · · · · · · · · · · · · · · · · ·					
<u> </u>	Coeffici				essure	FLOW CALC	CULATIONS					
No.	(24-Hour)		- /-			Flow T Fact	or	Gravity Factor			Rate of Flow Q-MCFPD	
	6.135		√ h _w p _f					${ t F}_{f g}$	Fpv		15.025 psia	
1. 2. 3.	6.135		141.05		0.9786		0.9535		1.040		706	
3.	6.135		149.42		0.9768		0.9535		1.037		836	
+•	6.135		87.47	+-		0.9933		.9535 .9535	1.036		882	
<u>}</u>					PRE	ESSURE CA			1.039		1,131	
s Liq	quid Hydro	carbon	Ratio_			cf/bbl.			ia Cmarit	C	- 1	
avity	of Liquid 0.865	d Hydro	carbons			deg.		Specif	ic Gravit	y Flowin	ator Gas	
			(1-6		O-TAT			Pc_46	6.2	P _c 217.	3	
P	W		Τ			1				 		
lo• P	t (psia)	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(Fe	2)2	P _w 2	$P_c^2 - P_w^2$	Cal.	P_{w}	
	33.2	187.7	0.61		0.37	0.05	² -3)			P _w	P _W P _C	
- 4	25.2	180.8	0.72		0.52	0.07		7.8 0.9	29.5			
	21.2	177.4	0.76		0.58	0.08		77.5	36.4 39.8		 	
•	05.2	164.2	0.98	- 	0.96	0.14		4.3	53.0			
bsolut	te Potenti	al: 3,	520			i _MCFPD; n	0.414					
OMPANY	Y Skally	011 00	The same			_MCFPU; n	1 0.0TB					
DDRESS CENT	S Box 38, and TITLE	Mobbs,	New Me	exice								
	SED											
OMPANY												
		 				REMAR	KS					

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_W). MCF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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.
- Fpv Supercompressability factor.
- n _ Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .