1 Standard of Texas

1 Germany

1 File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

•				MULTI-	POINT B	ACK PRES	SURE TES	T FOR GAS	WELLS		Revised 12-1-55
Poo]	Escrito	Exter	sion	Fo	rmation		Gallup)	_County	Rio A	rriba
Init	nitial X Annual_		al	Special				_Date of	Test	12-1-59	
Comp	any Val F	R. Ree	se &	Assoc.	, Inc.	Lease	Lybrook	<u> </u>	Wel	1 No	1-19
Unit	c _s	Sec1	19 Twp	_ 24N	Rg	e. 6W	Purc	haser			
	ng 7 '' W			• •							
Tubi	ng 2-3/8'w	t. <u>4. 7</u>	<u>'0#</u> I.	D. 1.9	95 Se	t at 54	10 5 Pe	rf	5401	То	5405
	Pay: From										
		_									
Date	of Complet	ion: 3	11-23	-59	Packe	r 6430	Sin	gle-Brade Reservo	enhead-G.	G. or G	.O. Dual
							ED DATA				
Toet	ed Through	(Draw	~~) (°	hoke)	(Moham)				Туре Тар	s	
			low Da		(Medel)		Tubing	Data	Casing D		
\top	(Prover)	(Cho.	ke)		Diff.	Temp.		Temp.	Press.	Temp.	Duration
No.	(Line) Size		ice) ze	psig	$\mathrm{h}_{\mathbf{w}}$	o _F .	psig	°F.	psig	∍ _F .	of Flow Hr.
SI		<u> </u>			W		1636		1654		
1. 2.		<u></u>						ļ		 	
2 :	·	3/4		244		610	289		650		3 hrs.
4. 5.											
No.	Coeffici (24-Hou	ŀ	√ h _w p	_	essure psia	Flow Fac	CULATION Temp. tor	Gravity Factor Fg	Compre Facto F _{pv}		Rate of Flow Q-MCFPD @ 15.025 psia
2.	10 2650			20	56	. 999	00	. 9393	1.02	<u>a</u>	3056
1. 2. 3. 4.	12.3650)U	. 388		. 8383	1.02	•	
as I ravi	iquid Hydro ty of Liqui	d Hydr	ocarbo			essure c		Speci Speci		ty Flow	erator Gas68 ving Fluid_ 775.6
No.	P _w Pt (psia)	P _t 2	Fc	Q	(F _c Q) ²	(F (1	(cQ) ² (-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca F	P _W P _C
1. 2. 3. 4.								 	 		
3.	662							438.2	2337.4		1. 1875
4.											
Absc COMF ADDR AGEN	plute Potent PANY Val RESS Lob	R. Re		Asso				1375		FILE.	
	ESSED PANY			<u>)</u>					M	H_{i}	
						REM	ARKS		RU	AR IS	530

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 600 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : 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 $P_{\mathbf{t}}$.

VAL R. REESE & ASSOCIATES, INC.

		C	ompany Val R. Rees	e & Assoc., Inc
		I	lease Lybrook V	Vell No. 1-19
		I	ate of Test	
S.	I. Dakota 21			
Shut in Pressure	(PSIG): Tub	ing Casing Casing	S. I. Period_	Days
Size Blow Nipple	3/4" cho			
Flow Through		Working F	ressures From	sing
<u> </u>	tubing	Delecte the		sing
Time Hours Minutes	Pressure	Dak(NA PS) 15.025 PSIA & 60°F	Wellhead Working Pressure (PSIG)	Temp
-0 15	454	2116	1015	510
-0 30	- 399	2119	910	540
-0 45	347	2107	800	560
1 0	295	2124	760	570
2 0	256	2129	660 650	610
-	244	2129		
	12:00 Noon	End Tes	3:00 P.M.	
Temarks.				
			Tested by: Ray Wi	331
			Ray Wi	1118105
			Witness: 37-1 P	Pagga

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