NEW MEXICO OIL CONSERVATION COMMISSION

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Form C-122

Parri	e e d	12-	-1-	5	5

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Unnamed		F	ormation <u>•</u>	jig.	a √orde	·	County	Rio	irrib	<u> </u>		
Init	Initial X Annual Special Date of Test 12-3-56												
Comp	any <u>Magnol</u>	ia Potro	<u>Norm Con</u>	any L	ease	<u>Ji</u>	carilla "	Hm Wel	l No	2			
	Unit A Sec. 2 Two. 26N Rge. 3W Purchaser Pacific Northwest												
Casing 5 1/2Wt. 1/# I.D. 5.312 Set at 6.130 Perf. 5526 To 6.330													
	Tubing 2" Wt. 1.7 I.D. 1.995 Set at F.531 Perf. To												
	Gas Pay: From 5,526 To 6,030 L 5,531 xG 0.68 TGL 3761 Bar. Press. 12 psis												
	Producing Thru: Casing Tubing x Type Well C. C. Duel Single-Bradenhead-G. G. or G.O. Dual												
Date	Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 3 -25-36 Packer Yes Reservoir Temp.												
	OBSERVED DATA												
Tested Through (Prover) (Choke) (Meter) Type Taps													
			w Data			Tubing		Casing D			Description		
No	(Prover) (Line)	(Choke	Press	. Diff.	Temp.	Press.	-	Press.		ŀ	Duration of Flow		
No.	Size	Size		h _w	o _F .	psig	°F.	psig	[⊃] F•	<u> </u>	Hr.		
SI						1,711				<u> </u>			
1.	2"	∴ 25.	Ju 335	 	75	392	75		 	 3-	lours —		
2. 3.				+									
4.									ļ	ļ			
4. 5.									J				
				F	LOW CAL	CULATIONS	5 .						
No.				Pressure Flow Fa psia		Temp. Gravit		Factor		Rate of Flow Q-MCFPD @ 15.025 psia			
		$(24-Hour)$ $\sqrt{h_Wp}$				t	Fg	pv pv		1, 215			
1. 2.	12.3550			104	<u>0.935</u>	9	<u> </u>	1.0/1		1.015			
3.													
4. 5.													
5.													
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc9_102 (1-e^-s)0.239 Pc2_368.7 x 103													
No.	Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(F	(cQ) ² (-e-s)	P _w 2	$P_c^2-P_w^2$		al. P _w	P _w P _c		
1.		163.2	45.27	2)49.4	43	9.7	659.0	2,55.3					
3.													
4.													
COM ADD AGE	olute Potent PANY RESS NT and TITLI NESSED	Magnol a	P. trolar V zvát	The s	MCFPD	neor			OIL		N ₁)		
	PANY				ਾਜ਼ਕ	MARKS			Sign				
	REMARKS												

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- PwT 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.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} 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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