NEW MEXICO OIL CONSERVATION COMMISSION

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		Form C-122		
MULTI-POIN	T BACK PRES	SURE TEST FOR GA	S WELLS	Revised 12-1-55
PoolFormat	ion	Oneen	County Tea	
InitialAnnual	Spec	ial g		
Company Shell 01 Bompany	Lease		Well No.	<u>1</u>
UnitSecTwpS	_Rge <u>36 R</u>	Purchaser	1 Pano Natinal	GAR Company
Casing 7 Wt. 21. I.D. 6.136				
Tubing 21 Wt. 65 I.D. 2.118	_Set at _ 39	Perf	To	
Gas Pay: From 3330 To 105 L				
Producing Thru: Casing				
Date of Completion: Page Page Page Page Page Page Page Page	cker	Single-Brade	enhead-G. G. or bir Temp	G.O. Dual
	•	ED DATA		_
Tested Through (Prover) (Choke) (Mete	er)		Type Taps	
Flow Data		Tubing Data	Casing Data	
(Press. Dit	ff. Temp.	Press. Temp.	Press. Temp.	Duration

No.	(Line)	(Orifice)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration
NO.	(Line) Size	(Orifice) Size	psig	h _w	° _F .	psig	° _F .	psig	°₽.	of Flow Hr.
SI								997		20
1.	<u>h</u>	1,750	71.8	252	87			71	++	
2.	i	1.760	210	2 12	81			ALC.		
3.	<u>li</u>	1.760	112	6.602	20			¢).6		a).
4.	<u>k</u>	1.750	11.0	A TOP	70			LEO		
5.1						Ì				

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~			F	LOW CALCULATIC	NS			
	Coefficient		Pressure	Flow Temp.	Gravity	Compress.	Rate of Flow	
No.				Factor	Factor	Factor	Q-MCFPD	
	(24-Hour)	√ ^h w ^p f	psia	Ft	Fg	Fpv	@ 15.025 psia	
1.	19-27	Ide Jail		9750	a at da	1.013	800	
2.	10.27	63.08		0801	al Strategy	1.011	7 11.2	
3.	10.97	82.70		0/192	al.61	1.001	7.50%	
4.	19.27	103,20		0822	01.45	1.031	1 275	
5.			T			and a state		

PRESSURE CALCULATIONS

Jas Liquid Hydrocarbon Ratio Jravity of Liquid Hydrocarbons				C	f/bbl. deg.	Specific Gravity Separator Gas Specific Gravity Flowing Fluid				
) .149		Pc-		- ^{PC}	.8	
No.	P _w Pt (psia)	P_t^2	F _c Q	(F _c Q) ²	$(F_cQ)^2$ $(1-e^{-s})$	P _w 2	$P_c^2 - P_w^2$	Cal. Pw	Pw Pc	
$\frac{1}{2}$	737-8		1.8	9-18	-97	232-1	£17.9	101-2	-0021	
3.	561.2	114.9	1.3	1.70	21	315.0	101.8	200	9141.2	
4.	<u>63.e</u>	214.6	1.6	2.60	.37	215.0	591.8	463.7		
	olute Potent ANY Ball	A19 6			CFPD; n				· · · · · · · · · · · · · · · · · · ·	
ADDR	ESS T and TITLE	57, 39	ber Herry	lengion //			·······			
11 T Y IV							.			
COMP	ANY E1 Po	so Matur	al Cap Co							
				• •	REMARKS					

Good point alignment and pulldown. Slope too flat, and due to results of second test being the same as results of first test, a slope of 45° was drown through the highest rate of flow.

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
- 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
- Pt 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.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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 .