NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	1 Best	a Debots	i	Formation		akota		_County	San	Juan	
Ini	tial	A:	nnual		Spec	ial		_Date of	Test	3-23-64	
Com	pany PAS AND	rican pe	TROLLING	corp.	Lease Gal	legos Ga	ayes Dalt	-Palotyje]	1 No	157	
Unit Sec. 35 Twp. 288 Rge. 138 Purchaser											
Casing 4-1/2 Wt. 10.5 I.D. 4.625 Set at 6435 Perf. 6268-54/6258 To 6266/6323-36											
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6346 Perf. To											
Gas Pay: From 6248 To 6336 L 6289 xG.786 estGL 4462											
Producing Thru: Casing Tubing Type Well Single											
Producing Thru: Casing Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 3-16-66 Packer Reservoir Temp.											
OBSERVED DATA											
Tested Through (Choke) (Choke) (Type Taps Times											
			w Data	· · · · · · · · · · · · · · · · · · ·			Data	Casing I)ata		
No.	(Line)	(Choke	e)	ss. Diff.					ł	Duration of Flow	
	Size	Size	psi	ig h _w	°F.			psig	°F.	Hr.	
'SI 1.	7 days	.750	63	1		2012 631		1229	50°est	3 Mr.	
2.											
3.									 		
<u>4.</u> 5.								<u> </u>	 		
No.	Coefficient (24-Hour)		hwpf	Pressure psia	.a Factor		Gravity Factor Fg		or Q-MCFPD @ 15.025 psi		
1.	12,3650			643	1,000		.9258	1,665		7914	
2 . 3.											
4.											
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid F_c(1-e^{-5})											
No.	P _w Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(F	cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$		Pw Pc	
1.	TO (Dera)						1,340,081	2,556,40	5	W	
1. 2.											
3. 4. 5.				+					 		
5.											
	olute Potent	ial:	11,365		MCFPD:	_n .7:	5			_	
COMPANY PAR AMERICAN PERSONNEL COMPANY											
ADDRESS AND THE RESEARCH AND THE RESEARC											
WITNESSED TO THE TOTAL PROPERTY OF THE PROPERT									/atta	111-	
	PANY	7.1	W. Vool:						14-	1064	
REMARKS REMARKS MAR 25 1964 OIL CON. COM. DIST. 3											

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). 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
- 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.
- FgI 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 $P_{\mathbf{t}}$.