NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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

Pool Bartin Dekets				Formation Daketa				County San Juan			
Initial_X		_Annua	1		Spec	ial	· · · · · · · · · · · · · · · · · · ·	_Date of	Test_#	ky 19, 1962	
Company Pan	rican I	etrol.	man Ço	rp.	Leasel	Bergin G	na Unit	Wel	1 No	1	
Unit B	Sec. 2	Twp	. <u>29-1</u>	Rg	e. 114	Purc	haser				
Casing 4-1/2 Wt. 10.5 I.D.			D. <u>4.0</u>	4.032 Set at 6306 Pe			rf. 6166 To 6176				
Tubing 2-3/80 V	vt. <u>4.</u> 7	I.	D. <u>1.9</u>	95 _Se	t at 笋	Pe	rf. •per	end	То		
Gas Pay: From	6204	L 6180 xGQ,70 (e			66)-GL 4336 Bar.Press. 129						
Producing Thru	: Casi	ing		Tu	bing <u>I</u>	O.J.	Type We	11 51 2	clo - C	les Duel	
Date of Complet	ion:	-30-62		Packe	r	Sin	Reservo	ir Temp	G. OF C	r.O. Dual	
					OBSERV.	ED DATA					
Tested Through	(Prove	er) (C	hoke)	(Meter)				Type Tap	s		
Flow Data						Tubing Data		Casing Data		<u> </u>	
No. (Line)	(Chok	ce) Lce)	Press.	Diff.			l	t	Į.	Duration of Flow	
No. (Line) Size			psig	h _w	°F.		° _F ,	psig	°F.	Hr.	
SI 7 days ske	<u> </u>					2023	<u> </u>	2036	ļ	<u> </u>	
2 . 3.											
4.											
5. !	<u> </u>								l	L	
Coeffici	ent		Dn			CULATION		Compre	ee 1	Pate of Flow	
No. $(24-\text{Hour})$ $\sqrt{\text{h}_{\text{W}}\text{p}_{\text{f}}}$					tor	Gravity Compres Factor Factor		Q-MCFPD			
(24-Hou	r) 7	/ h _w p _f		psia	F	t	Fg	F _{pv}		● 15.025 psia	
1. 2. 3. 4. 5.								+			
3.											
5.											
				PRI	ESSURE CA	alcuiati	ons				
es Liquid Hydro	es rhon	Patio			af/bbl		Speci	fic Coori	ty Sana	maton Cas	
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator (Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flux											
c		(1.	-e ^{-s})				P _c		_Pc		
$P_{\mathbf{w}}$											
No. Pt (psia)	$P_{\mathbf{t}}^2$	Fc	1	$(F_cQ)^2$	(F.	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	P _w	
1.		+			(1.	-6 -)				The state of the s	
2 . 3.									13	-/ CHVIT.	
4.									+ + 1 = 1		
5. Charleta Derostials				WORDD -				MAY 2.5 1962			
Absolute Potential: MCFPD; n COMPANY PAN AMERICAN PANGLEM CERPORATION										CON. COM.	
ADDRESS AGENT and TITLE		. Pos		aredes	ice, live	Nextee	. , =	.			
WITNESSED	<u> </u>	· red	- TO			1-1	1/- 1	toll			
COMPANY					DEM	ARKS					

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 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ 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_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 .