Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	l Basin	Dakota		Fo	rmation_	Dakota			_County_	San Ju	<u>an</u>		
Init	tial		Annua	al		Spec	ial		_Date of	Test_J	an. 12, 1962		
Comp	pany The	Atlant:	c Ref	ining C	D• I	ease_St	ate Gas U	init "A"	Wel	Ll No	1		
Unit	t <u>a</u>	Sec3	6 Twi	29-N	Rge	. 11-W	Purch	aser 300	thern Un	lon Gas	Co.		
Casi	ing Lin	Wt. 9.	5# <u> </u>	D. 4.0	90 Set	at 650 8	3.93Per	6342 1.6334		to 63	38		
Tubi	ing 2 3/8 0.	Wit. h	 -7# I	.D. 1.9	 95 Set	at 6272	lılı Per	6269		7 0	76		
	Tubing 2 3/8 0. Mt. h.7# I.D. 1.995 Set at 6272. hh. Perf. To Gas Pay: From 6276 63h2 L 6262 xG .7 -GL hh.39 Bar. Press. 12.0												
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. Completion: 12/10/61 Packer Name Reservoir Temp.										G. or	G.O. Dual		
Date	e of Comple	tion:	5\J0\ 6:	1	Packer	None		_Reservo	ir Temp.	148°F	(SCH.)		
						OBSERV	ED DATA						
Test	ted Through	(Fro	<u>/er} ((</u>	Choke)	(Meter)				Туре Тар	os			
	(Prosson)	I /Ch	Flow Da	ta	Dice	Поши	Tubing	Data	Casing I	Data	Duration		
No.	(Prover) (Line) Size	(Ori	fice)	rress.	DIII	remp.	Press.	Temp.			of Flor		
SI	Size	S	ize	psig	h _w	F.	1		psig	F.	Hr.		
$\frac{51}{1.}$		3	/\/\m	220		82	1778 2 2 0	82	1765 750		3		
2.													
3. 4.											+		
3. 1		+								1			
No.	(24-Hour) \sqrt{}		7/h.r	- 1	essure	FLOW CALCULATION Flow Temp. Factor		ONS Gravity Compression Factor Factor Fg Fpv		or Q-MCFPD			
1.					32 9			-9258	1.02		2661		
2.													
3 e					+								
3° 4°						·							
PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid c(1-e^{-S})													
No.	P _w	P	2 F _c	,Q	$(F_cQ)^2$	(F (1	(¿Q) ² -e-s)	P _w 2	P _c -P _w ²	1	al. Pw Pw Pc		
1. 2.								580.6	2623.5		.426		
3.													
1. 2. 3. 4.										- 			
Absolute Potential: 3092 MCFPD; n 75 COMPANY The Atlantic Refining Company										R	THA		
ADDRESS Box 2197 Farmington, New Merico AGENT and TITLE B. J. Sertain-Drilling Supervisor													
MILINESSED B				Sartein							JAN 1 8 1962		
COM	PANY				ng Comp	DEM	ARKS			1011	ON. COM.		
		Well:	flowin	g sli gh	t spray	of flui	id.			D	IST. 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 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.
- Pw 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.
- F_{g} : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n 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 $P_{\mathbf{t}}$.