MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool		Formation Morrow						County Les			
Initial	X	Annua	1		Spe	cial		Date of	Test_7	7-19/20-62	
Company											
Unit							aha can	Yone			
Casing 5 1	/2 Wt.	17.0 I.	D	Se	t at 12	2,833 P	12, erf. 12,	448 470	12, To 12,	462 478	
Casing 51 Tubing 21	/16 Wt.	3.25 I.	D. 1.	693 Se	t at 12	2,431 P	erf.	480 pen	12, To	.488	
Gas Pay:	From 12,4	48 To 1	2,488	L 12,	,431 ,	xG MLx .	706 - _{GL}	8776	Bar.Pre	13.2	
Gas Pay: From 12,448 To 12,488 L 12,431 xG Mix .706 -GL 8776 Bar.Press. 13.2 Producing Thru: Casing Tubing X Type Well Gas-Oil Page											
Producing Thru: Casing Tubing X Type Well Ges-Oil Bual Date of Completion: 7-14-62 Packer 12,396 Reservoir Temp.											
						ED DATA					
Tested Thro	ough 📜	ALEMAN (S	REKE)	(Meter)				Type Tap	s Fla	inge	
Flow Data						Tubin	g Data	**************************************			
٠.		ifice)	Press.	Diff.	Temp.		· Temp.		Temp.		
Siz		Size	psig	h _w	or.	psig	o _F ,	RATE STR	∍ _F .	of Flow Hr.	
SI						4200				120	
1. 3 2. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		750"	660	7.5	70	3713		8/64		3	
3. 3 "		750*	680	79.7	76	3412	+	14/64		3	
4. 3"		000"	665	62.0	12	3001		17/64		2	
5. 3"	2.	.000"	497	6.0	晃	3992		6764		න	
				a	LOW CAL	CIIIATTO	NS				
Coefficient			Pressure		FLOW CALCULATI Flow Temp.		Gravity	y Compress. Rate of Flow			
io.	(24-Hour)		_ ,		Factor		Factor	Factor Low Q-MCFPD			
	20.15						Fg	Fpv Stage		● 15.025 psia	
. 20.	20.15			3.2	.907		.9685	1.062	63 + 1		
. 20.17			203.09 6		.,0		.9698	1.065	06 + 4	2,793 = 2,671	
27	. 27.32			1.8	.900		.9608	1.068	107 + 7		
5. 27.	87.58		3 71	0.2	٠٧٧.		.9608	1.041		,476 - 1,709	
as Liquid H avity of L 15.	iquid Hyd	drocarbon	15 72.9	8,873	SSURE CA	alcu ati	Speci	fic Gravit	y Flow	Assumed rator Gas '.650 ing Fluid -7673	
Pw		2			7	2		2		, n	
Pt (ps:	ia)	Pt FcQ		$(F_cQ)^2$	(F ₀	cQ) ²	P _w 2	$P_c^2 - P_w^2$	Ca.		
3500.2	1700			497.7			16114.4	1636.6	4974	.9726	
. 3(4).E	1173			1,910.4	1072		1,3694.9	4146,1			
354.2		9.3 89.		7944.1	3790		12300.0	4763.0	37.39.0		
. 4005.2	1604			529.9	240		16261.6	1469.4	4035.0		
Absolute Potential: 18,250 MCFPD; n 1.000 COMPANY II Pais Material Company ADDRESS P. C. Box 1364 - Jal, Met Maxico											
GENT and T						(/)	Jan (} () :	10 /2	, 	
1TNESSED		16. 5									
COMPANY AT PERS RECEIPED ONE COMPANY											
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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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_{+} .

TOOK NAME