MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Basin	Dakota	F	ormation_	Da	kota		_County	San	Juan
Init	ial	Anr	ual	Special				Date of T	'e s t	12-13-61
-				ection Co. Lease Zachry						
Iini+	¥ S4	er. 33 1	`wn 2	en Rge	. 14	Purcl	naser S	outhern U	mian G	as Company
OHLL			- n .				(6562	·π	65	76)
							1 (21/2)		OIL	YU)
Tubi	ng 14 Wi	2.90	I.D	.610_Set	at	373 Per	rf. (6372	T	°639	(8)
Gas	Pay: From_	6372 To	6576	L _6	372 x	6868		4333 B	ar.Pre	ss. <u>12.0</u>
Prod	ucing Thru:	Casing_		Tuk	oing	XX Sin	Type Wel	ll <u>Singl</u>	or G	.O. Dual
Date	of Complet:	ion:12/	2/61	Packer	Ko	D1110	Reservo:	ir Temp		
	-					ED DATA				
Te s t	ed Through	(Panasa)	(Choke)	(MEE-144)				Type Taps	3	
		Flow	Data			Tubing	Data	Casing Da	ıta	
	(Prover)	(Choke)	Press	Diff.	Temp.		Temp.	Press.		Duration of Flow
No.	(Line) Size	(O NTITUL) Size) psig	h _w	°F•	psig	°F.	psig	[⊃] F•	Hr.
SI			1			2033		2033		
1. 2.		3/1#	364		70	364	700	1601		_ 3 hrs
2. 3.				╆						
] •										
4. 5.										
No.	Coefficient $(24-\text{Hour})$ $\sqrt{h_{W}}$		h _w p _f	Pressure		CULATION Temp. tor	Gravity	PV		Q-MCFPD @ 15.025 psia
1.	12,3650		376		.9905		.9393	1.0	1.040 lik98	
1. 2. 3. 4.										
4.										
5.								L		
lrav	Liquid Hydro ity of Liqui	d Hydroca	rbons			ALCU ATI	Speci Speci	fic Gravi	ty Flow	rator Gasving Fluid
	$P_{\mathbf{w}}$	Pt.	E O	$(F_cQ)^2$	(F	0)2	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw
No.	Pt (psia)	rt	F _c Q	(1 Cas)	(i	(cQ) ² (-e-s)				P _W P _C
1. 2.							2601.77	1580,26	<u> </u>	-7887
3.										
4.									1	
5.								L		
Abs	olute Potent	ial:	333		MCFPD:	n	75			
COM	PANY	Southern	Inion Pr	odustion	Co.		- 11 - 12 - 1			
ADD	RESS	P. O. Box	808, Fa	emington,	Here Mar	rdee	- E	0 - VVV - 0		~ 1
AGE	NT and TITLE	L.S.	Muennin	k, Produ	ction Su	perinten	dent	<u> </u>		
WIT.	NESSED PANY	W_7 D4								
COM	I AN I	South	um umid	n Product	REN	ARKS			100	1
									RIL	R 10F3

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. psia
- PwT 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize =}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.

STATE OF INE	a Maxico
0 = CO-15 + 7A1 (5)	
NEWSER OF COLUMN	****
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rat	
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TPANSTOLLER CI	
PRODUCTION OF THE	