MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	Pool Basin Dakota			Formation DAKOTA			County SAN JUAN					
										2-20-64		
Com	pany SOUTHE	RN UNIO	N PRODUCT	ION CO.	Lease	FEDERAL	SENTER	We	ll No.	<i>#</i> 1		
	t <u>B</u> s	Sec2	6 Twp. 3	31 -N R	e. 13-W	Purc				AS COMPANY		
	1020' FR	om hort	N LINE	1810' FRO	M EAST L	INE						
Tub	ing 11. W	it. 2.	90_I.D	1.610 Se	t at 6	600 Pe	rf. 6590		_To6	600		
										ress. 12.00		
	ducing Thru:											
						מורר	710_KP010	nnagai:	/: A=	f: /\ ibaa		
Dave	s or complet	10n:	1-25-04	Раске	r		Keservo	ir Temp.		G-O- Dual		
					OBSERV	ED DATA						
Test	ed Through	(Prove	r) (Choke	(Meter	•			Type Tap	ps			
<u> </u>			ow Data				Data	Casing I				
No.	(Prover) (Line)	(Onifi	١٥٥١	s. Diff.			1		Тежер	• Duration of Flow		
\Box	Size	Siz	e psi	.g h _w	°F.	psig	°F.	psig	°F.	Hr.		
SI 1.	2"	3/4			77	1773	770	1767		26 DAYS		
2.		2/4	70		-77	58	7/5	578	+	3 HRS.		
3. 4.												
5.									 			
		L	 -				- -		_l			
	Coeffici	ent	 -	Pressure		CULATION Temp.		Compre	255.	Rate of Flow		
No.	(OL 11-)		<u> </u>		Factor		Factor Facto		מפשיאוברים ייני			
_	(24-Hour)		/ hwpf	psia	osia F		F _g			● 15.025 psia		
1. 2.	12,3650			70	70 .984		.9258	1,010		796		
3. 4.												
4.												
<u>>-1</u>												
as L	iquid Hydro	carbon]	Ratio_		cf/bbl.		Speci			parator Gas		
ravity of Liquid Hydrocarbon:			(1-e ⁻⁵	deg.			P _c 1785			P _c 3186.2		
No.	P _w	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F.	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$		Cal. P. P. Pc		
1.	- C (P011)			<u> </u>		- /	348.1	2838.1		P _w P _c		
1. 2. 3.	 -											
4.			 	 					+	_		
5.												
Abso	lute Potent:	ial:	858		MCFPD;	n	75					
COMP ADDR	ANY SOUTHER				NY							
AGEN	T and TITLE		ERKE ROO	RMINGTON KHOLB. JR	ENGINE	ER	Origina	Signed by		TO THE PARTY OF TH		
WITNESSED HERMAN HOANALLY VERNE ROCHHOLD										RELEIVED		
JUPIT.	WII		L PARO N	ATURAL GA	S COMPANY REMA	ARKS	· —		-/			
			OIL CONS	ERVATION					I M	MAR 4 1964		
	(1) PAU			0	. B	0.0.	. 4104 -	. -		OIL CON. COM.		
	(2) H. I	-ASO NAT . Kimda:	TURAL GAS	PRORATION	N UEPT., D. FARMII	P.U. BOX	C 1492, EI	. PASO, T	EXAB	DIST. 3		
	(1) FILE		- , . •	. = 3 //						The same of the sa		

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 60° F.
- Pc= 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.