MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

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Poo	lUndesi	gnated		Fc	rmation	Pictu	red Cliff	rs.	_County_	Rio /	\rribe	
Initial Annual Annual				al	Special				Date of Test12-23-56			
Com	pany Johns	ton an	d Shee	r		Lease	26-3		Wel	.1 No	1-3	
	t <u>#</u> S											. <u> </u>
Cas	ing 7 W	/t 23	. . I	.D. 6.3	66 Se	t at_ 36	9 Pe:	rf. 370	6	То	3600	
Tub	ing 1-1/4 W	it 3.3	I	.D. <u>1.</u>	360 Se	t at 37 4	19 Pe:	rf. 374	7	То	3749	
Gas Pay: From 3766 To 3860 L xG.650 est -GL Bar. Press. Producing Thru: Casing Tubing X Type Well Bush - G.G. Single-Bradenhead-G. G. or G.O. Dual												
Date	e of Complet	ion:	12-6-5	36	Packe	r 5497'	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or (3.0. I	ual
	Date of Completion: 12-6-58 Packer 5467' Reservoir Temp. OBSERVED DATA											
Tested Through (Prover) (Choke) (Meter) Type Taps												
		F	low Da	ata			Tubing	Data	Casing D	ata	T	
	(Prover)	(Cho	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.		Duration
No.	(Line) Size			psig	h _w	o _F .	psig	o _F .	psig	o _F .		of Flow Hr.
SI					W		1024		1012		81	
1.												
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4.		· 3/	3	<u> </u>								
5.												
						FLOW CAL	CULATIONS	S				
\neg	Coeffici	.ent		Pr		Flow '	Temp.	Gravity Compress. Rate of Flow				
No.			_ / h ×	_	nain	Fact	Factor		Factor		Q-MCFPD @ 15.025 psia	
-	$(24-Hour)$ $\sqrt{h_{W}p}$		of	f psia		't rg		- Pv		6 1):02) psia		
1. 2. 3. 4. 5.												
3.	12,365				56	1.0048		.9606	1.01	0		75
4.												
PRESSURE CALCUTATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 1078.30												
								O.				
No.	$P_{\mathbf{w}}$	Pt.	F	Q	$(F_cQ)^2$	(F	cQ) ² -e-s)	P _w 2	P _c -P _w ²	Ca	al.	P _w
j	Pt (psia)		, - ((1	-e ^{-s})			I	W	Pw Pc
1. 2.												
3.	244							118.34	954.96		_	1,1229
4. 5.												
Abso COMI ADDI AGEN	plute Potent PANY RESS WT and TITLE	haster 10 No	and I	thear eta Riv	d. III.	Albuener	n_as/l	Mexico	N.			
WITNESSEDCOMPANY												
	REMARKS RECTORDER 29 1958											

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 60° 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.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV}^{-} 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 $P_{\rm t}$.

OIL CALLED BY ME 18)_UCMM	SSION
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Operator .		
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Transporter	ener i tue i la ^{te} lune i entran <u>a de la la la comp</u> e des som an e	
File	/	-

DRILLING DEPARTMENT

		COMPANY Johnst		Johnston	on and Shear			
					LEASE	26-3	WELL NO	· <u>1-3</u>
					DATE OF T	EST	12-22-58	-···
SHUT :	IN PRESSURE	(PSIG): TUBING	1024	CASING 101	Sold Sold	TRC	1623	DAYS
SIZE I	BLOW NIPPLE	3/4" T.	. C. Choke					
FLOW 7	THROUGH	1-1/4" Tbg		WORKI	NG PRESSUE	RES FROM	Csg.	····
	TIME MINUTES		MV TBG. xxluxixxiGBD b0x0000089080		WELLHEAD PRESSURE		:: - <u>T</u>	EMP
0		151	1683			92		41
	<u>30</u> 45	130	1683			51		41
<u> </u>	00	109 94	1684 1685			69 09		43
3	00	56	1685		3			<u> </u>
3	00	44	1685		3			55
								
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		***************************************	**					··
								
START	AT 10:	45 A.M.		END TI	EST AT	1:45 P	.X.	
REMARK	(S: Weever	enway water and	l some distil	1040 often	44.64	I		
	throu	spray water and ghout test.	SCHO OTSTIT	TATA ALLEY	Illien B	DHEAR.	CONTINUE	
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				TEST	TED BY : _	C. R.	Verner	
				WITI	NESS:			