Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	Underign	eted Pal	tota	Fo	rmation	D	skota	· · · · · · · · · · · · · · · · · · ·	_County	Sen	Juan	
Init	itialAnnual_			Special					Date of Test			
Comp	mpany Delhi-Taylor Oil Cor			pere	ration Lease Delhi-Madge			dge_	Well No. 7			
Unit	#2/4 s	Sec4	Twp	31-8	Rg	e11	Purc	haser				
Casi	ng 5-1/2 W	it. 17#	I.D.	4.81	Se ⁻	t at	7530 Pe	rf. 7465	-7469	To 71	16-38 7304-24 188-7408	
Tubing 2-3/8 Wt. 4.7/ I.D. 1.965 Set at 7307 Perf. To												
Gas Pay: From 7326 To 7804 L xG 6.886 _GL Bar.Press. 13												
Producing Thru: Casing Tubing X Type Well Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: Packer Reservoir Temp.												
OBSERVED DATA												
Tested Through (Physical Choke) (Neigh) Type Taps												
	Flow Data						Tubing Data		Casing Data		T	
No.	(Prover) (Line)		e) Pr		Diff.	Temp.		Temp.		Temp.	Duration of Flow	
	Size	Size		sig	h _w	o _F .	psig	°F.	psig	[⊃] F•	Hr.	
SI 1.		5/4*		13		764	2014	74	2010 417		7 Days 3 Hears	
2 . 3 .												
4. 5.												
FLOW CALCULATIONS												
No.	Coefficient						ow Temp. Gravity Factor Factor					
	(24-Hou	r) 7	$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		osia	\mathtt{F}_{t}		${ t F}_{ t g}$	$^{ m F}_{ m p f v}$		@ 15.025 psia	
1. 2.	12,363			<u> </u>	125	0.88	94	0,968	1,0	0	1464	
3. 4.				-								
<u>4.</u> 5.												
					PRI	ESSURE C	ALCU ATI	ons				
	iquid Hydro tv of Liqui					cf/bbl. deg.					rator Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P _C 2616 P _C 4104676												
	P _w		<u> </u>				····			·		
No.		P_{t}^{2}	F_c^Q		$(F_cQ)^2$	(F.	_c Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$		P _W	
1.	Pt (psia)			_		(1.	<u>-</u> € 5)			r	w Pc	
1. 2. 3. 4.			 -	-						-		
4.										 		
5.												
Absolute Potential: MCFPD; n 0,75 COMPANY Belli-Tayler Oil Composition												
ADDR	ESS	O. Dres	W 119	, 14	ral ay to	a, New 1	MELOD)		/			
WITN	T and TITLE ESSED						ST	. 5) [uy Ma			
COMPANY LI Pass Meteral Co. REMARKS												
							-		(rCEI)	11.		

SEP 29 1960 OIL CON. COM. DIST. 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 = Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 60° F.
- P_cI 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\mathbf{t}}$.