LENG OFFICE occ

-	-	-	 -	_		_	_	_
			_	-	_			_

No. (Line) (Orifice) Size psig h _W OF. psig OF. psig OF. Size Size psig h _W OF. psig OF. Size Size psig h _W OF. psig OF. Size Size Size psig h _W OF. psig OF. Size Size Size Size Size Size Size Size	3.2	
Initial	3.2	
Casing 5½" Wt. 14# I.D. Set at 3594 Perf. To Tubing 2" Wt. 4.7# I.D. Set at 3680 Perf. To Gas Pay: From 3594 To 3710 I 3680 xG .681 _GL Bar.Press. 1: Producing Thru: Casing Tubing X Type Well Single Date of Completion: 4-14-55 Packer Reservoir Temp. OBSERVED DATA Tested Through (NXXXX) (NAXXX) (Meter) Type Taps Flange Flow Data Tubing Data Casing Data (Prover) (Orifice) Press. Diff. Temp. Press. Temp. Press. Temp. No. (Line) (Orifice) Size Size psig hw OF. psig OF. psig OF. Size Size psig hw OF. psig OF. psig OF. 1. 4" x .750	3.2	
Casing 5½" Wt. 14# I.D. Set at 3594 Perf. To Tubing 2" Wt. 4.7# I.D. Set at 3680 Perf. To Gas Pay: From 3594 To 3710 I 3680 xG .681 _GL Bar.Press. 1: Producing Thru: Casing Tubing X Type Well Single Date of Completion: 4-14-55 Packer Single-Bradenhead-G. G. or G.O. Du Reservoir Temp. OBSERVED DATA Tested Through (NXXXXX) (NAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3.2	
Casing 5½" Wt. 14# I.D. Set at 3594 Perf. To Tubing 2" Wt. 4.7# I.D. Set at 3680 Perf. To Gas Pay: From 3594 To 3710 I 3680 xG .681 _GL Bar.Press. 1: Producing Thru: Casing Tubing X Type Well Single Date of Completion: 4-14-55 Packer Reservoir Temp. OBSERVED DATA Tested Through (NXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3.2	
Tubing 2" Wt. 4.7# I.D. Set at 3680 Perf. To Gas Pay: From 3594 To 3710 I 3680 xG .681 -GL Bar.Press. 1: Producing Thru: Casing Tubing X Type Well Single Date of Completion: 4-14-55 Packer Reservoir Temp. OBSERVED DATA Tested Through (NXXXX) (NXXX) (Meter) Type Taps Flange Flow Data Tubing Data Casing Data (Plover) (Ghoke) Press. Diff. Temp. Press. Temp. Press. Temp. D. No. (Line) (Orifice) Size Size psig hw OF. psig OF. psig OF. SI 4. 4. 7.750 226 8.41 9.4 423 423 2.2 423 2.3 423 3.3 44 x.750 235 28.09 106 108 410 3.3 44 x.750 225 36.00 109 335 400 2.5 5.	3.2	
Gas Pay: From 3594 To 3710 I 3680 xG .681 _GL Bar.Press. 1: Producing Thru: Casing Tubing M Type Well Single Date of Completion: 4-14-55 Packer Reservoir Temp. OBSERVED DATA Tested Through (NAWAY) (NAWAY) (Meter) Type Taps Flange Flow Data Tubing Data Casing Data Casing Data (Plover) (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. Dr. (Line) (Orifice) Size Size psig hw OF. psig OF. psig OF. psig OF. SI 437 427 1. 4" X .750 226 8.41 94 423 423 2. 4" X .750 235 28.09 106 408 410 24 4. 4" X .750 225 36.00 109 335 400 55	3.2	
Producing Thru: Casing Tubing X Type Well Single-Bradenhead-G. G. or G.O. Dure Reservoir Temp. OBSERVED DATA Tested Through (NXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Date of Completion: Packer Reservoir Temp.		
Tested Through (Niew) (Meter) Type Taps Flange Flow Data Tubing Data Casing Data	al	
Tested Through (NAVE) (Nate) (Meter) Type Taps Flange Flow Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. Divided Press. Size Psig hw OF. Psig OF. Psig OF. SI		
Flow Data Tubing Data Casing Data		
No. (Prover) (Chore) Press. Diff. Temp. Press. Temp. Press. Temp. Diff. Temp. Size Size psig h _w OF. psig OF. psig OF. psig OF. Psig OF. Psig OF. SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE		
No. (Line) (Orifice) Size psig h _w o _F . psig o _F . psig o _F . SI	uration	
SI	of Flow Hr.	
2. 4" x .750 197 21.16 100 417 418 3. 4" x .750 235 28.09 106 408 410 4. 4" x .750 225 36.00 109 335 400 5. FLOW CALCULATIONS	72	
4. 4" x .750 225 36.00 109 335 400 2 5. FLOW CALCULATIONS	24 24	
4. 4" x .750 225 36.00 109 335 400 2 5. FLOW CALCULATIONS	24	
FLOW CALCULATIONS	24	
Coefficient Pressure Flow Temp. Gravity Compress. Rate of		
No. Factor Factor Q-MCFI (24-Hour) Thurst psia Ft Factor Q-MCFI @ 15.02		
	@ 15.025 psia	
$egin{array}{c ccccccccccccccccccccccccccccccccccc$	142.8 210.8	
$\frac{2.}{3}$ $\frac{3.435}{3}$ $\frac{33.50}{248.2}$ $\frac{210.2}{.9585}$ $\frac{1.017}{1.020}$ $\frac{210.3}{263.2}$	63.2	
$\frac{5^{\circ}}{4.}$ 92.60 238.2 .9559 1.019 290.8	290.8	
1. 3.435 44.85 239.2 .9888 .9387 1.020 142.8 2. 3.435 66.69 210.2 .9636 1.017 210.8 3. 3.435 83.50 248.2 .9585 1.020 263.2 4. 92.60 238.2 .9559 1.019 290.8 5.		
PRESSURE CALCUIATIONS		
as Liquid Hydrocarbon RatioDrycf/bbl. Specific Gravity Separator (Cas	
ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Flu	uid	
c		
P_{W}		
No. P_t^2 P_c^2 $(F_cQ)^2$ $(F_cQ)^2$ P_w^2 $P_c^2 - P_w^2$ Cal. P_w^2	P_{w}	
P (psia) (1-e ^{-s}) P	Pw Pc	
1. 436.7 Measured 190.3 12.4 436.2 .9	969	
2. 431.2 3. 423.2 170.1	958	
119.1 23.0 323.2	940	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	210	
Absolute Potential: 750 MCFPD: n .499	918	

REMARKS

Cox 1537,

AGENT and TITLE
WITNESSED J.B. Murray

obbs,

El Paso Wat.

∛ือ₩

Tas Co.

ADDRESS

COMPANY

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_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.
- hw= Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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 $P_{\rm t}$.