NEW MEXICO OIL CONSERVATION COMMISSION

3 4 5 1 1 9 5

Tubing Data

Press.

psig

*412.0

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Lease Repelle

Set at **2263**

_Set at__**2403**

Tubing____

Temp.

 \circ_{F} .

710

OBSERVED DATA

FLOW CALCULATIONS

Flow Temp.

Factor

 F_{t}

PRESSURE CALCULATIONS

2403

Packer

Diff.

42.25

Pressure

psia

105.2

Shut-in pressure taken from tubing of Offset well

__cf/bbl.

___Formation Tates

__Annual______Special_

Pool Jal Mat

Initial___

Casing___7

Tubing 2

Company JAL OIL COMPANY INC.

Wt.

Gas Pay: From 2295' To 2453'

Producing Thru: Casing X

(Prover)

(Line)

Size

Coefficient

(24-Hour)

Gas Liquid Hydrocarbon Ratio

9.643

No.

No.

Date of Completion:_ July 1950

Tested Through (Meter) (Meter)

(Choke)

(Orifice)

Size

1.250

Flow Data

 $\mathbf{h}_{\mathbf{W}}\mathbf{p_{f}}$

Press.

psig

92

Unit <u>I</u> Sec. <u>28 Twp</u> <u>25 Rge</u> <u>37</u>

Wt. 4.7# I.D. 1.995

20# I.D. 6.456

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P _W	P t	F _c Q	$(F_cQ)^2$		P _w 2	$P_c^2 - P_w^2$	Cal.	Pw Pc
105.2	11.1	169.6			11.1	169.6	W	<u>`</u>
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JULI RIVI				REMARKS				

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 \equiv 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t 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 $P_{\rm t}$.