NEW MEXICO OIL CONSERVATION COMM

HOBBS OFFICE OCC

1563 OCT 15 M 9 41

Paso Natural Gas Company Lease Moberly "C"

Annual

__I.D.__

I.D.

To 3126

Sec. 21 Twp. 26

₹ Wt.17.0

Tested Through (Prover) (Choke) (Meter)

(Choke)

(Orifice)

Size

1_500

1.500

1.500

.500

Flow Data

Press.

psig

530

505

 $h_{\mathbf{W}} p_{\mathbf{f}}$

_(1-e^{-s})

WE.

Pool _______________

Initial

Unit

No.

No.

Company F1

Casing z

Tubing •

Gas Pay: From Chal

(Prover)

(Line)

Size

Coefficient

(24-Hour)

Gas Liquid Hydrocarbon Ratio_ Gravity of Liquid Hydrocarbons

13.99

Fc 1.812

 $P_{\mathbf{w}}$

Pt (psia)

No.

LE

Producing Thru: Casing_

Date of Completion: 1-11-1958

MULTI-POINT BACK PRESSURE TEST FOR

Special

OBSERVED DATA

Temp.

or.

72

65

FLOW CALCULATIONS Flow Temp.

Factor

 F_{t}

9887

.9915

_cf/bbl.

deg.

PRESSURE CALCULATIONS

 $(F_cQ)^2$ $(1-\epsilon^{-s})$

126

____Rge.___**37**___

L 3097

Diff.

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

2.25

4.00

Pressure

psia

518-2 511-2 527.2

138

 $(F_cQ)^2$

Tubi.ng_

Packer____

___Set at_3097

Set at 3130

Yates 7- Rivers

E TEST FOR GAS WELLS Revised 12-1 Rivers County Les X Date of Test 4-25-1958 Nell No. 3 PurchaserEl Paso Natural Gas Company Perf. To Perf. To Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. DATA Type Taps Fig. Tubing Data Casing Data ress. Temp. Press. Temp. Ouration of Fig. psig OF. psig OF. Hr. 506 571 24 188 506 24 188 506 24 189 507 537 24 ATIONS P. Gravity Compress. Rate of Flor Factor Factor Gas Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc. 620.2 Pc. 364.6	ATION	COMMISSI	ON H	th	, ,	
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Rivers County Lea	e test	FOR GAS	WELLS		Revis	ed 12-1-55
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Purchaser Paso Natural Cas Company Perf. To To To To To To To T					<u>25-19</u>	58
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269 8 11h 8 519 k 53 k		P _w 2	P _c -P _w ²	1		Pw Pc
08 6 98 0 Kek L 86.0		269.8	111.8	1		93.4
303.0 81.6 550.5 88.5		286.6	98.0	53	5.4T	86.0 88.5
303.0 01.8 520.5 00.5			61.0			
.771*	.7	71*			<u>-</u> . 	
- Petroleum Engineer	- Pet	roleun E	gineer			

126 30 302 Absolute Potential: 2,850 MCFPD; n_ El Paso Natural Gas Company ADDRESS AGENT and TITLE T. Wright - Petrole B. Murray & J. WITNESSED COMPANY__ Page Natural Gas Company REMARKS

* No Point alignment. Average Jalmat slope of .771 drawn through the highest

This is a corrected every of test proviously cont show latest slope Resubmitted

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- P_{w} 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.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft_{-} 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 $P_{\rm t}$.