

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Undesignated Formation Picture Cliff County Rio Arriba

Initial X Annual Special Date of Test 6-20-57

Company J. Felix Hickman Lease Clark Well No. 2

Unit 0 Sec. 5 Twp. 24N Rge. 3W Purchaser Pacific Northwest
3230 3240

Casing 5 1/2 Wt. 15.5 I.D. 5" Set at 3296 Perf. 3252 To 3278

Tubing 2 3/8 Wt. 4.7 I.D. 2" Set at 3296 Perf. 3252 To 3276

Gas Pay: From 3252 To 3276 L xG -GL Bar.Press.

Producing Thru: Casing _____ Tubing X _____ Type Well Single _____

Date of Completion: 5-26-57 Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.

OBSERVED DATA

Tested Through ~~x(FRAMEX)~~ (Choke) ~~(MELER)~~ Type Taps

[illegible]

FLOW CALCULATIONS

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No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	14.1605		276				3.908
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons	deg.	Specific Gravity Flowing Fluid
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$$F_c \frac{(1 - e^{-S})}{S}$$
[illegible]

Absolute Potential: 6.323 MCFPD; n

COMPANY Well Production Co.

ADDRESS 1041 Zuni Drive

AGENT and TITLE N.A. Neely Owner

WITNESSED

COMPANY

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 = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCP/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- 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
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressibility factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

