

- 3 - NMCC
- 1 - W.R. Johnston
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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Elmco Mesaverde Formation Mesaverde County Rio Arriba

Initial Annual _____ Special _____ Date of Test 4-24-56

Company Pacific Northwest Pipeline Corp Lease 30-5 Well No. 14-31

Unit B Sec. 31 Twp. 30N Rge. 5W Purchaser _____

Casing 7" Wt. _____ I.D. _____ Set at 6168 Perf. 5676 To 6128

Tubing 2-3/8" Wt. _____ I.D. _____ Set at 6133 Perf. _____ To _____

Gas Pay: From 5676 To 6128 L _____ xG .650 -GL _____ Bar. Press. _____

Producing Thru: Casing _____ Tubing Type Well Single

Date of Completion: 4-14-56 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (none) (Choke) (none) Shut In 9 Days Type Taps _____

| No. | Flow Data | | | Tubing Data | | Casing Data | | Duration of Flow Hr. | |
|-----|----------------------|------------------------|-------------|----------------------|-----------|-------------|-----------|----------------------|--------------|
| | (Prover) (Line) Size | (Choke) (Orifice) Size | Press. psig | Diff. h _w | Temp. °F. | Press. psig | Temp. °F. | | Press. psig |
| SI | | | | | | <u>1043</u> | | <u>1134</u> | |
| 1. | | <u>3/4</u> | <u>230</u> | | <u>72</u> | <u>230</u> | | <u>678</u> | <u>3 Hr.</u> |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |

FLOW CALCULATIONS

| 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. | <u>12.350</u> | | <u>242</u> | <u>.9837</u> | <u>.9668</u> | <u>1.022</u> | <u>2905</u> |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

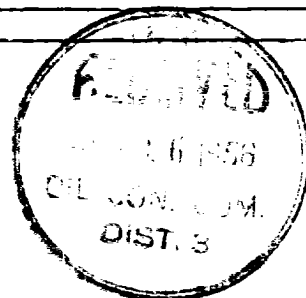
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ (1-e^{-s})
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c 1146 P_c 1313.3

| No. | P _w P _t (psia) | P _t ² | F _c Q | (F _c Q) ² | (F _c Q) ² (1-e ^{-s}) | P _w ² | P _c ² -P _w ² | Cal. P _w | P _w /P _c |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|--|-----------------------------|--|---------------------|--------------------------------|
| 1. | | | | | | <u>476.8</u> | <u>836.5</u> | | <u>1.57</u> |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |

Absolute Potential: 4075 MCFPD; n 75/ 2,4025
 COMPANY Pacific Northwest Pipeline Corporation
 ADDRESS 415 West Main Street, Bismarck, New Mexico
 AGENT and TITLE C. R. Meyer - Gas Well Tester
 WITNESSED _____
 COMPANY _____

REMARKS



OIL CONSERVATION COMMISSION

ARTCO DISTRICT OFFICE

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