

3 - MCCC  
1 - W.R. Johnston  
1 - Fowler  
1 - Hollis  
1 - Cutler

NEW MEXICO OIL CONSERVATION COMMISSION  
**ILLEGIBLE**  
MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122  
Revised 12-1-55

Pool \_\_\_\_\_ Formation Manzanero County San Juan  
Initial X Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test 3-27-56  
Company Pacific Northwest Pipeline Corp Lease San Juan Unit 92-5 Well No. 6-10  
Unit 1 Sec. 10 Twp. 38N Rge. 6W Purchaser \_\_\_\_\_  
Casing 7" Wt. 20 I.D. \_\_\_\_\_ Set at 944.31 Perf. 944.31 To 1072  
Tubing 2-3/8" Wt. 4.70 I.D. \_\_\_\_\_ Set at 915.80 Perf. 915.80 To 915.80  
Gas Pay: From 944 To 1072 L \_\_\_\_\_ xG .600 -GL \_\_\_\_\_ Bar.Press. 12 PSIA  
Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well Single  
Date of Completion: 3-19-56 Packer \_\_\_\_\_ Single-Bradenhead-G. G. or G.O. Dual  
Reservoir Temp. \_\_\_\_\_

OBSERVED DATA

Tested Through (MCC) (Choke) (MCC) Shut In 8 Days Type Taps \_\_\_\_\_

| No. | Flow Data            |                        |             |                      |           | Tubing Data |           | Casing Data |           | Duration of Flow Hr. |
|-----|----------------------|------------------------|-------------|----------------------|-----------|-------------|-----------|-------------|-----------|----------------------|
|     | (Prover) (Line) Size | (Choke) (Orifice) Size | Press. psig | Diff. h <sub>w</sub> | Temp. °F. | Press. psig | Temp. °F. | Press. psig | Temp. °F. |                      |
| SI  |                      |                        |             |                      |           |             |           |             |           |                      |
| 1.  |                      | <u>3/4"</u>            | <u>41</u>   |                      | <u>60</u> | <u>130</u>  |           | <u>130</u>  |           | <u>3 Hrs.</u>        |
| 2.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 3.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 4.  |                      |                        |             |                      |           |             |           |             |           |                      |
| 5.  |                      |                        |             |                      |           |             |           |             |           |                      |

FLOW CALCULATIONS

| No. | Coefficient (24-Hour) | $\sqrt{h_w p_f}$ | Pressure psia | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Compress. Factor F <sub>pv</sub> | Rate of Flow Q-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| 1.  | <u>12.350</u>         |                  | <u>51</u>     | <u>1.0000</u>                    | <u>1.0000</u>                 | <u>1.000</u>                     | <u>605</u>                         |
| 2.  |                       |                  |               |                                  |                               |                                  |                                    |
| 3.  |                       |                  |               |                                  |                               |                                  |                                    |
| 4.  |                       |                  |               |                                  |                               |                                  |                                    |
| 5.  |                       |                  |               |                                  |                               |                                  |                                    |

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl.  
Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg.  
F<sub>c</sub> \_\_\_\_\_ (1-e<sup>-s</sup>)  
Specific Gravity Separator Gas \_\_\_\_\_  
Specific Gravity Flowing Fluid \_\_\_\_\_  
P<sub>c</sub> 1300 P<sub>c</sub> 1000.4

| No. | P <sub>w</sub> P <sub>t</sub> (psia) | P <sub>t</sub> <sup>2</sup> | F <sub>c</sub> Q | (F <sub>c</sub> Q) <sup>2</sup> | (F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> ) | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> | Cal. P <sub>w</sub> | P <sub>w</sub> /P <sub>c</sub> |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|------------------------------------------------------|-----------------------------|----------------------------------------------------------|---------------------|--------------------------------|
| 1.  |                                      |                             |                  |                                 |                                                      | <u>2601.0</u>               | <u>1103.5</u>                                            |                     | <u>1.58</u>                    |
| 2.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 3.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 4.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |
| 5.  |                                      |                             |                  |                                 |                                                      |                             |                                                          |                     |                                |

Absolute Potential: 903 MCFPD; n 74/ = 1.4092  
COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION  
ADDRESS 1100 West Main Street, Huntington, New Mexico  
AGENT and TITLE C. E. Wagner - Gas Well Tester  
WITNESSED \_\_\_\_\_  
COMPANY \_\_\_\_\_

REMARKS



| OIL CONSERVATION COMMISSION |                 |   |
|-----------------------------|-----------------|---|
| REGISTRATION OFFICE         |                 |   |
| Case No. 3                  |                 |   |
| DESCRIPTION                 |                 |   |
|                             | NO.<br>RECEIVED |   |
| Description                 |                 |   |
| Quantity                    | 1               |   |
| Value of oil                |                 |   |
| Value of fee                | 1               |   |
| Amount                      |                 |   |
| Due                         | 1               | ✓ |