

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco-Pictured Cliffs Formation Pictured Cliffs County Rio Arriba
 Initial X Annual _____ Special _____ Date of Test 6-6-56
 Company STANLIND OIL & GAS COMPANY Lease Jicarilla Contract 148 Well No. 6
 Unit F Sec. 15 Twp. 25N Rge. 5W Purchaser simt-4n
 Casing 5 1/2" Wt. 11# I.D. 5.012 Set at 3210 Perf. 3156 To 3200
 Tubing 2-3/8" Wt. 4.7# I.D. 1.995 Set at 3156 Perf. 3150 To 3156
 Gas Pay: From 3147 To 3200 L _____ xG .65 sat. -GL _____ Bar.Press. 12.000
 Producing Thru: Casing _____ Tubing X Type Well Single - Gas
 Date of Completion: 6-7-56 Packer _____ Single-Bradenhead-G. G. 950 O. Dual
 Reservoir Temp. _____
 RDB Elev. + 6949

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) 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 | Temp. °F. |
| 1. | | <u>3/4</u> | <u>155</u> | | | <u>912</u> | <u>60</u> | <u>912</u> | <u>430</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 Ft | Gravity Factor F _g | Compress. Factor F _{pv} | Rate of Flow Q-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------|-------------------------------|----------------------------------|------------------------------------|
| 1. | <u>12.365</u> | | <u>167</u> | <u>1.000</u> | <u>.9608</u> | <u>1.007</u> | <u>2018</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 .65 sat.
 P_c 92 P_c 853.8

| 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>195.4</u> | <u>650.4</u> | | <u>.476</u> |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |

Absolute Potential: 818 MCFPD; n .65
 COMPANY STANLIND OIL AND GAS COMPANY
 ADDRESS Box 407, Farmington, New Mexico
 AGENT and TITLE R. H. Bauer, Jr., Field Engineer
 WITNESSED _____
 COMPANY _____

REMARKS



| | | |
|------------------------------------|---|---|
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