

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

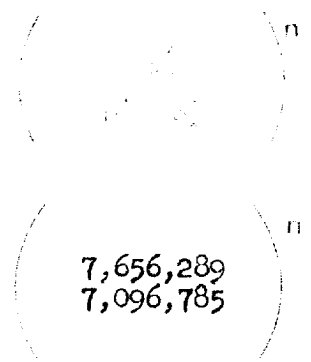
DATE December 23, 1963

| | |
|---|--|
| Operator Beta Development Company | Lease San Juan Unit 29-6 No. 77 |
| Unit Unit H, Sec. 22-29-6 | County Rio Arriba State New Mexico |
| State Dakota | Pool Basin |
| Well Depth 4.500 Set At Feet 7815 | Tubing Diameter 2.375 Set At Feet 7744 |
| Flow Line 7698 Set At Feet 7777 | Total Depth 7815 Set At Feet 12-16-63 |
| Flow Line Material Sand/Water Frac. | Flow Through Casing X |

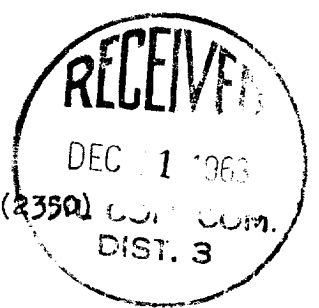
| | | | | | | | | | | |
|------------------------------------|---------------------------|-----------------------------|------------------------|-------------------------|------------------------------------|------------------------------|----------------------|--|-------------------------------|-------|
| Wellhead Pressure (PSIA) | Wellhead Temperature (°F) | Wellhead Density (lb/cu ft) | Wellhead Gravity | Wellhead Viscosity (cP) | Wellhead Surface Tension (dyne/cm) | Wellhead Compressibility (Z) | Wellhead PVT | Wellhead Formation Volume Factor (B _w) | Wellhead Gas Specific Gravity | |
| 0.750 | 12.365 | 7 | 2755 | 187 | 70 | .9905 | .75 | 1.019 | .670 | .9463 |
| "COMPANY DISTRIBUTION ONLY" | | | | | | | | | | |
| Shut-In Pressure (PSIA) | Shut-In Temperature (°F) | Shut-In Density (lb/cu ft) | Shut-In Gravity | Shut-In Viscosity (cP) | Shut-In Surface Tension (dyne/cm) | Shut-In Compressibility (Z) | Shut-In PVT | Shut-In Formation Volume Factor (B _w) | Shut-In Gas Specific Gravity | |
| 2755 | 2767 | 7 | 2755 | 187 | 70 | .9905 | .75 | 1.019 | .670 | .9463 |
| Working Pressure (PSIA) | Working Temperature (°F) | Working Density (lb/cu ft) | Working Gravity | Working Viscosity (cP) | Working Surface Tension (dyne/cm) | Working Compressibility (Z) | Working PVT | Working Formation Volume Factor (B _w) | Working Gas Specific Gravity | |
| 736 | 748 | 7 | 736 | 187 | 70 | .9905 | .75 | 1.019 | .670 | .9463 |
| Flow Through Tubing | Flow Through Casing | Flow Through Wellhead | Flow Through Separator | Flow Through Meter | Flow Through Valve | Flow Through Pipe | Flow Through Fitting | Flow Through Flange | Flow Through Gasket | |
| | | | | | | | | | | |

(12.365)(199)(.9905)(.9463)(1.019)

2351



$(1.0788)^{.75}(2350) = (1.0585)(2350)$ COR. COM. DIST. 3



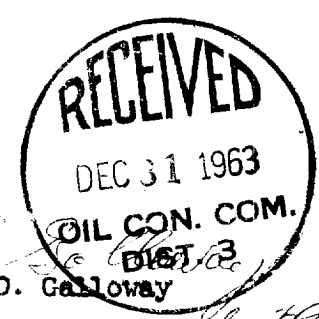
NOTE: Medium to heavy fog of distillate and water for entire test period.

2487

George Hoffman (Beta)

T. B. Grant (EPNG)

Checked by: H. L. Kendrick



Lewis D. Galloway