

**Initial Deliverability Test**

## GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

71317 Pool SOUTH BLANCO Lease CANYON LARGO No. **32**

Formation PC Unit D S 11 T 25 R 06 Pay Zone 2854 to 2901 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 2960      Tubing - OD 2000 Wt. 0470 L 2862 (T. Perf.)

|          |                                |                     |                                |
|----------|--------------------------------|---------------------|--------------------------------|
| Operator | <b>EL PASO NATURAL GAS CO.</b> | Purchasing Pipeline | <b>EL PASO NATURAL GAS CO.</b> |
|----------|--------------------------------|---------------------|--------------------------------|

### OBSERVED DATA

| Period of Test Flow |        | S.I.P. Measured | Prod. String |
|---------------------|--------|-----------------|--------------|
| From                | 012161 | To 012961       | 071460       |
|                     |        |                 | O.D. 2.000   |

| Deadweight Flowing Pressure, psia |     |        |     |       |     |             |
|-----------------------------------|-----|--------|-----|-------|-----|-------------|
| Casing                            | (a) | Tubing | (b) | Meter | (c) | Wt.         |
|                                   |     |        |     |       |     | <b>4.70</b> |

Flowing Pressure, psia \_\_\_\_\_ Deadweight Shut-in Pressure, psia \_\_\_\_\_

Chart \_\_\_\_\_ (d) Tubing 292 (k) Casing 347 (j) Length 2862

Meter Error 0 (e) Friction Loss 0 (f) Chart 7 Day Avg. Flowing Pres., psia 215 (g) Corrected 215 (h)

## FRICTION CALCULATION

Grav. .669       $P_t = \frac{215}{(i)}$       GL = **1915**       $(1-e^{-i}) = .130$

$$(F_c Q)^2 = \underline{\quad 386 \quad} \quad (1-e^3)(F_c Q)^2 = R^2 = \underline{\quad 50 \quad} \quad P_1^2 = \underline{\quad 46225 \quad} \quad P_2^2 = \underline{\quad 46275 \quad}$$

## FLOW RATE CALCULATION

$$Q = \frac{66}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = \frac{66}{1.0000}$$

## DELIVERABILITY CALCULATION

$$D = Q \quad \underline{66} \times \left( \left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \underline{1.6380} \right) = \underline{1.5211} = \underline{100}$$

**An Intermitter was Installed - Turned back on Production 1-1-61.**

## SUMMARY

P<sub>c</sub> = 292

Q = 66

P<sub>w</sub> = 215

P<sub>d</sub> = 146

D = 100

D at 250 or 500 **32**

Note:

250 = for P.C.

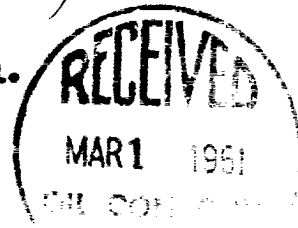
500 = for M.V.

Company **EL PASO NATURAL GAS CO.**

By Harold L. Kendrick  
Title GAS ENGINEER

Witnessed By \_\_\_\_\_

Company\_\_\_\_\_





As Intermitter was installed - turned back on frequency 1-1-61.

to be  
to be  
to be