

# ON OBSERVATION COMPLETION

## **GAS** **SHEET** — **SAN** (TO BE USED FOR MOUNTAIN, PICTURED CLIFFS, MESAVERT & ALL BARKOTA EXCEPT BARKER BONE STORAGE AREA)

Pool SANIT BLANK Lease DAY 2 No. 6  
Formation PC Unit F S T R 60 Pay Zone 2001 to 2004 Cy. 51  
Casing - OD 2000 Wt. 1000 Set at 3001 Tubing - OD 1200 Wt. 2000 L. 2000 (T. Perf.)  
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

### OBSERVED DATA

|                                   |               |                                   |                    |
|-----------------------------------|---------------|-----------------------------------|--------------------|
| Period of Test Flow               |               | S.I.P. Measured                   | Prod. String       |
| From                              | To            |                                   | O.D.               |
| <u>000000</u>                     | <u>000000</u> | <u>000000</u>                     | <u>1.000</u>       |
| Deadweight Flowing Pressure, psia |               |                                   |                    |
| Casing                            | (a)           | Tubing                            | (b)                |
|                                   |               | Meter                             | (c)                |
|                                   |               |                                   | Wt. <u>2.000</u>   |
| Flowing Pressure, psia            |               | Deadweight Shut-in Pressure, psia |                    |
| Chart                             | (d)           | Tubing                            | (k)                |
|                                   |               | Casing                            | (i)                |
|                                   |               |                                   | Length <u>2000</u> |

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia  
Chart 270 (g) Corrected 270 (h)

### FRICTION CALCULATION

Grav. 0.600  $P_1 =$  270 (i)  $GL =$  1000  $(1-e^{-x}) =$  0.200

$(F_c Q)^2 =$  100000  $(1-e^{-x}) (F_c Q)^2 = R^2 =$  20000  $P_1^2 =$  72900  $P_2^2 =$  97200

### FLOW RATE CALCULATION

$$Q = \frac{270}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = 270$$