FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

# OPEN FLOW TEST DATA

DATE 10-8-69

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas Co. | | Lease: P. L. Davis No. 4 | |
| Location: 800N 800E S 35-T26N-R11W | | County: San Juan | State: New Mex. |
| Formation: Dakota | | Pool: Basin | |
| Casing: Diameter: 4.500 | Set At: Feet: 6305 | Tubing: Diameter: 2.375 | Set At: Feet: 6031 |
| Pay Zone: From: 6071 | To: 6174 | Total Depth: 6305 | Shut In: 9-27-69 |
| Stimulation Method: SWF | | Flow Through Casing | Flow Through Tubing: xx |

| | | | |
|---|---|---|---|
| Choke Size, Inches: 4" MR, 2.750 plt. | Choke Constant: C: 41.9208 | | Well tested thru 3/4" variable choke. |
| Shut-In Pressure, Casing, PSIG: 1875 | + 12 = PSIA: 1887 | Days Shut-In: 11 | Shut-In Pressure, Tubing PSIG: 1880 / + 12 = PSIA: 1892 |
| Flowing Pressure: P PSIG: 455 WH, 127 MR | + 12 = PSIA: 467 WH, 139 MR | | Working Pressure: Pw PSIG: 861 / + 12 = PSIA: 873 |
| Temperature: T= 75 °F Ft=.9859 | n = .75 | | Fpv (From Tables): 1.014 / Gravity: .700 Fg=1.1952 |

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

Q = Calculated from orifice meter readings = 4,255 MCF/D

Note: The well produced 18.65 bbls. of 59.8 API gravity oil during the test.

OPEN FLOW = $Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

$Aof = \left( \frac{3579664}{2817535} \right)^n = (4255)(1.2704)^{.75} = (4255)(1.1966)$

Aof = 5092 MCF/D

RECEIVED
OCT 14 1969
OIL CON. COM.
DIST. 3

TESTED BY Jess B. Goodwin

WITNESSED BY

R. N. Keeduck