NEW MEXICO OIL CONSERVATION COMMISSION

MAY 12, 1958

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Operator | EL PASO NATURAL GAS COMPANY | | | Lease | SAN JUAN 28-5 UNIT | | SF 079250 |
| Well No. | 26 | Unit Letter | H | Section | 14 | Township | 28-N | Range | 5-W |
| Footage Location | 1528 | Feet From | NORTH | Line | 950 | Feet From | EAST | Line | |
| County | RIO ARRIBA | Ground Level Elev. | 7284 | Producing Formation | MESA VERDE | Pool | BLANCO MESA VERDE | | |

1. Is the operator the only owner in the dedicated acreage outlined on the plat below? Yes

2. If the answer to question one is "no," have the interests of all owners been consolidated by communitization agreement or otherwise? Yes

If answer is "yes," type of consolidation

If answer is "no," list all the owners and their respective interests below:

Owner | Land Description

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U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

El Paso Natural Gas Company

Operator

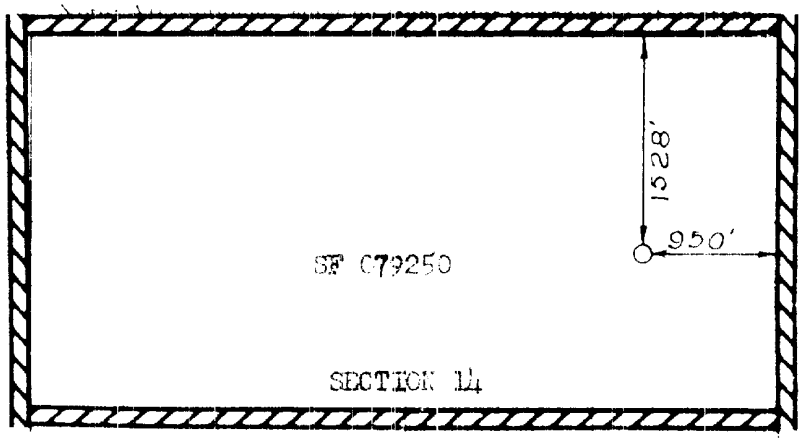
D. C. Johnston

Representative

Box 997

Address

Farmington, New Mexico

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DIST. 3

MAY 1, 1958

David D. Nelson

Registered New Mexico

Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

# GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

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

72-333-01

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-5 Unit Well No. 26

Unit H Sec. 14 Twp. 28 Rge. 5 Pay Zone: From 6085 To 6680

Casing: OD 5-1/2 WT. 15.5 Set At 6680 Tubing: OD 2 WT. 4.7 T. Perf. 6543

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .660 Estimated ____

Date of Flow Test: From 11/29/58 To 12/7/58 * Date S.I.P. Measured 8/11/58

Meter Run Size ____ Orifice Size ____ Type Chart ____ Type Taps ____

## OBSERVED DATA

| | | | |
|---|---|---|---|
| Flowing casing pressure (Dwt) | psig + 12 = | psia | (a) |
| Flowing tubing pressure (Dwt) | psig + 12 = | psia | (b) |
| Flowing meter pressure (Dwt) | psig + 12 = | psia | (c) |
| Flowing meter pressure (meter reading when Dwt. measurement taken: | | | |
| Normal chart reading | psig + 12 = | psia | (d) |
| Square root chart reading (____)$^2$ x spring constant | = | psia | (d) |
| Meter error (c) - (d) or (d) - (c) | ± = | psi | (e) |
| Friction loss, Flowing column to meter: | | | |
| (b) - (c) Flow through tubing: (a) - (c) Flow through casing | = | psi | (f) |
| Seven day average static meter pressure (from meter chart): | | | |
| Normal chart average reading | psig + 12 = | psia | (g) |
| Square root chart average reading (7.55)$^2$ x sp. const. 10 | = 570 | psia | (g) |
| Corrected seven day avge. meter press. ($p_f$) (g) + (e) | = 570 | psia | (h) |
| $P_t$ = (h) + (f) | = 570 | psia | (i) |
| Wellhead casing shut-in pressure (Dwt) 1094 | psig + 12 = 1106 | psia | (j) |
| Wellhead tubing shut-in pressure (Dwt) 1095 | psig + 12 = 1107 | psia | (k) |
| $P_c$ = (j) or (k) whichever well flowed through | = 1107 | psia | (l) |
| Flowing Temp. (Meter Run) 60 °F + 460 | = 520 | °Abs | (m) |
| $P_d$ = ½ $P_c$ = ½ (l) | = 554 | psia | (n) |

## FLOW RATE CALCULATION

$Q$ = ____ (integrated) $\times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^* =$ 362 MCF/da

## DELIVERABILITY CALCULATION

$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 362 \left[ \frac{918533}{897432} \right]^{\frac{1.0235}{1.0176}} = 368$ MCF/da.

## SUMMARY

| | | | |
|---|---|---|---|
| $P_c$ = | 1107 | psia | |
| Q = | 362 | Mcf/day | |
| $P_w$ = | 573 | psia | |
| $P_d$ = | 554 | psia | |
| D = | 368 | Mcf/day | |

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick *
Witnessed by ____
Company ____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

| GL | $(1-e^{-s})$ | $(F_cQ)^2$ | $\frac{(FcQ)^2}{R^2}(1-e^{-s})$ | $P_t^2$ (Column i) | $P_t^2 + R^2$ | $P_w$ |
|---|---|---|---|---|---|---|
| 4318 | .269 | 11.587 | 3,117 | 324,900 | 328017 | 573 |

D at 500 = 381

OK

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