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)

Pool **FULCHER-KUTZ** Formation **PICTURED CLIFFS** County **SAN JUAN**
Purchasing Pipeline **EL PASO NATURAL GAS COMPANY** Date Test Filed **1-11-56**

Operator **J. GLENN TURNER** Lease **CLEVELAND** Well No. **1-21**
Unit **B** Sec. **21** Twp. **27N** Rge. **9W** Pay Zone: From **2124** To **2195**
Casing: OD **5-1/2"** WT. **14#** Set At **2130** Tubing: OD **2-3/8"** WT. **4.7#** T. Perf. **2176-81**
Produced Through: Casing ______ Tubing **X** Gas Gravity: Measured **0.660** Estimated ______
Date of Flow Test: From **11-22-55** To **11-30-55** * Date S.I.P. Measured **September 3, 1955**
Meter Run Size **4.026** Orifice Size **1.000** Type Chart **Sq. Rt.** Type Taps **Flange**

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 (**6.50**) ^{2} x sp. const. **5** = **211** psia (g)
  Corrected seven day avge. meter press. (p_f) (g) + (e) = **211** psia (h)
P_t = (h) + (f) = **211** psia (i)
Wellhead casing shut-in pressure (Dwt) **Packer set between tubing & casing** psig + 12 = ______ psia (j)
Wellhead tubing shut-in pressure (Dwt) ______ psig + 12 = **616** psia (k)
P_c = (j) or (k) whichever well flowed through = **616** psia (l)
Flowing Temp. (Meter Run) **51** °F + 460 = **511** °Abs (m)
$P_d = ½ P_c = ½$ (l) = **308** psia (n)

FLOW RATE CALCULATION

Q = ______ (integrated) X ($\sqrt{(c)}$ / $\sqrt{(d)}$ = ______ = ______) * = ______ MCF/da

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DELIVERABILITY CALCULATION

D = Q **258** $\left[\frac{(P_c^2 - P_d^2) = \textbf{284,592}}{(P_c^2 - P_w^2) = \textbf{334,352}}\right]^n$ **0.872** = **225** MCF/da.

n = 0.85

SUMMARY

P_c = **616** psia
Q = **258** Mcf/day
P_w = **213** psia
P_d = **308** psia
D = **225** Mcf/day

Company **J. GLENN TURNER**
By *[signature]*
Title **Engineer**
Witnessed by ______
Company ______

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$(F_cQ)^2 (1-e^{-s})$ / R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1,436	0.099	5,885	583	44,521	45,104	213

NOTE: Gas chart data taken from letter dated December 28, 1955, from Mr. Vanard Orr of El Paso Natural Gas Company to Mr. J. Glenn Turner.

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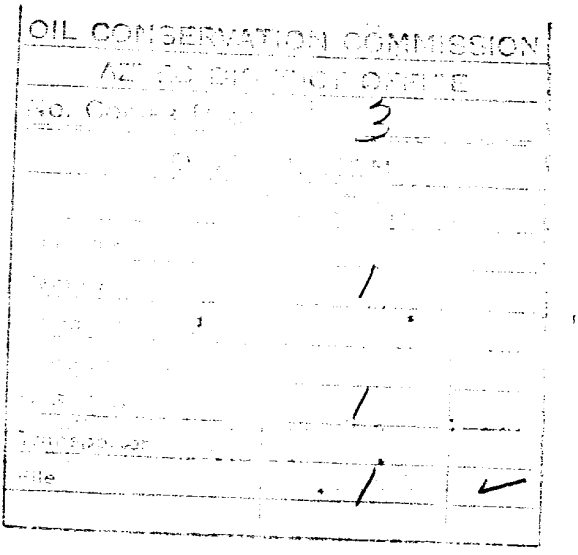
OIL CONSERVATION COMMISSION
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