

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 SOUTH BLANCO Formation PICTURED CLIFFS County RIO ARRIBA
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-26-56

Operator J. GLENN TURNER Lease FIELDS Well No. 1-31
Unit K Sec. 31 Twp. 26N Rge. 6W Pay Zone: From 2819 To 2940
Casing: OD 5-1/2" WT. 15.5# Set At 2821 Tubing: OD 1-1/4" WT. _____ T. Perf. 2840
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.710 Estimated _____
Date of Flow Test: From 5-16-56 To 5-24-56 * Date S.I.P. Measured March 17, 1956
Meter Run Size 4" Orifice Size _____ 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 (6.75)² x sp. const. 5 = 228 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 228 psia (h)
P_t = (h) + (f) = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 819 psig + 12 = 831 psia (j)
Wellhead tubing shut-in pressure (Dwt) 819 psig + 12 = 831 psia (k)
P_c = (j) or (k) whichever well flowed through = 831 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 416 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \dots$ MCF/da
(integrated) $\sqrt{(d)}$

DELIVERABILITY CALCULATION

D = Q 66 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{517,500}{638,600} \right]^n$ 0.836 = 55 MCF/da.

SUMMARY

P_c = 831 psia
Q = 66 Mcf/day
P_w = 228 psia
P_d = 416 psia
D = 55 Mcf/day

Company J. GLENN TURNER
By Virgil J. Starks
Title Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			<u>Friction negligible</u>			

OK



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

OFFICE OF THE DISTRICT MANAGER

ALBUQUERQUE, NEW MEXICO

DATE: 11-1-58

TO: SAC, ALBUQUERQUE

FROM: SAC, ALBUQUERQUE

SUBJECT: [Illegible]

10-1-58

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