

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 San Juan
El Paso Natural Gas Co
Purchasing Pipeline _____ Date Test Filed April 10, 1956

Operator J. Glenn Turner Lease C. Hughes Well No. 3-3
Unit P Sec. 3 Twp. 27N Rge. 9W Pay Zone: From 2320 To 2397
Casing: OD 5 1/2 WT. 14 Set At 2327 Tubing: OD 1" WT. 1.7 T. Perf. 2374
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.650 Estimated _____
Date of Flow Test: From 3-8-56 To 3-16-56 * Date S.I.P. Measured Oct 29, 1955
Meter Run Size 4" 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 (8.2) ² x sp. const. 5 _____ = 336 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 336 psia (h)
P_t = (h) + (f) _____ = 336 psia (i)
Wellhead casing shut-in pressure (Dwt) 744 psig + 12 = 756 psia (j)
Wellhead tubing shut-in pressure (Dwt) 744 psig + 12 = 756 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 756 psia (l)
Flowing Temp. (Meter Run) 43 °F + 460 _____ = 503 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 378 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{V(c)}{V(d)}} \right) = \text{_____ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 140 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day}$
429,000
459,000
0.944
132

SUMMARY

P_c = 756 psia
Q = 140 Mcf/day
P_w = 336 psia
P_d = 378 psia
D = 132 Mcf/day

Company J. Glenn Turner
By W. F. Stoker
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 1)	P _t ² + R ²	P _w
			<u>Friction Negligible</u>			

OK



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