

Initial Deliverability
Test

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 CANYON LARGO Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 10-3-56
Operator HERNANDEZ-RODRIGUEZ Lease NCRA STATE Well No. 4
Unit P Sec. 16 Twp. 24N Rge. 6W Pay Zone: From 2285 To 2362
Casing: OD 5-1/2" WT. 15.5# Set At 2290 Tubing: OD 1" WT. 1.74 T. Perf. 2329
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.680 Estimated _____
Date of Flow Test: From 8-23-56 To 8-31-56 * Date S.I.P. Measured 6-16-56
Meter Run Size 4" Orifice Size _____ Type Chart 84.84 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: (e) - (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 (7.30)² x sp. const. 5 _____ = 267 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 267 psia (h)
P_t = (h) + (f) _____ = 267 psia (i)
Wellhead casing shut-in pressure (Dwt) 701 psig + 12 = 713 psia (j)
Wellhead tubing shut-in pressure (Dwt) 701 psig + 12 = 713 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 713 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 357 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 577 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day.}$
381.000
437.100
0.890
514

SUMMARY

P_c = 713 psia
Q = 577 Mcf/day
P_w = 267 psia
P_d = 357 psia
D = 514 Mcf/day

Company HERNANDEZ-RODRIGUEZ DRILLING CORP.
By [Signature]
Title [Signature]
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 _c ² (Column 1)	P _t ² + R ²	P _w
			Friction negligible			

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