

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 Ballard Formation Pictured Cliffs County Bio Arriba
Purchasing Pipeline _____ Date Test Filed _____

Operator El Paso Natural Gas Lease Sheets Well No. 9-D
Unit G Sec. 31 Twp. 26N Rge. 7W Pay Zone: From 2224 To 2315
Casing: OD 5-1/2 WT. 15.5 Set At 2354 Tubing: OD 1 WT. 1.68 T. Perf. 2224
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 2/8/58 To 2/16/58 * Date S.I.P. Measured 11-13-56
Meter Run Size _____ Orifice Size .250 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 (7.20) ² x sp. const. 5.00 = 259 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 259 psia (h)
P_t = (h) + (f) _____ = 259 psia (i)
Wellhead casing shut-in pressure (Dwt) 655 psig + 12 = 667 psia (j)
Wellhead tubing shut-in pressure (Dwt) 655 psig + 12 = 667 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 667 psia (l)
Flowing Temp. (Meter Run) 40 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 334 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{7} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION
D = Q 7 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{333,333}{377,808} \right]^n \frac{.8822}{.8991} = \text{6} \text{ MCF/da.}$

SUMMARY
P_c = 667 psia Company El Paso Natural Gas
Q = 7 Mcf/day By Original Signed
P_w = 259 psia Title Lewis D. Galloway
P_d = 334 psia Witnessed by _____
D = 6 Mcf/day 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
			Friction Negligible			

D at 250 = 7

all



OIL CONSERVATION COMMISSION		
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