

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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Abraham Well No. 1-C
Unit G Sec. 15 Twp. 30 Rge. 6 Pay Zone: From 5122 To 5502
Casing: OD. 5-1/2 WT. 15.50 Set At 5663 Tubing: OD. 2" WT. 4.7 T. Perf. 5504
7-5/8 26.40 3338
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .580 Estimated _____
Date of Flow Test: From 11/23 To 11/30 * Date S.I.P. Measured 8/20/57 (18 days)
Meter Run Size _____ Orifice Size _____ 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 (7.05)² x sp. const. 10 = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 497 psia (h)
P_t = (h) + (f) = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 1115 psig + 12 = 1127 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1046 psig + 12 = 1058 psia (k)
P_c = (j) or (k) whichever well flowed through = 1058 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 529 psia (n)

$$Q = \text{(integrated)} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}} \right)^* = \underline{684} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{684} \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{839,523}{863,794} \right]^n \frac{.9719}{.9788} = \underline{669} \text{ MCF/da.}$$

SUMMARY

P_c = 1058 psia
Q = 684 Mcf/day
P_w = 506 psia
P_d = 529 psia
D = 669 Mcf/day
Company El Paso Natural Gas
By Original Signee
Title Lewis D. Galloway
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
3192	.207	41.358	8,561	247,009	255,570	506

D at 500 = 675



