

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 Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Bolack Well No. 8-C
Unit I Sec. 33 Twp. 27 Rge. 8 Pay Zone: From 2950 To 2962
Casing: OD 5 1/2 WT. 15.5 Set At 3037 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 2932
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 5/23 To 6/1/57 * Date S.I.P. Measured 11/1/56 (9 days)
Meter Run Size 4 Orifice Size .375 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 (7.15) ² x sp. const. 5 _____ = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 256 psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 629 psig + 12 = 641 psia (j)
Wellhead tubing shut-in pressure (Dwt) 629 psig + 12 = 641 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 641 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 321 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{65} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 66 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8923}{.9077} = \text{60} \text{ MCF/day}$

SUMMARY

P_c = 641 psia
Q = 66 Mcf/day
P_w = 257 psia
P_d = 321 psia
D = 60 Mcf/day

Company El Paso Natural Gas Company
By [Signature]
Title _____
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 + P _w ² DIST. 3	P _w
1950	.132	2641	349	65536	65885	257

D at 250 = 65

[Signature]

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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