

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 RIO ARRIBA
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 5-7-56

Operator T. JACK FOSTER Lease FOSTER Well No. 2
Unit B Sec. 17 Twp. 26N Rge. 7W Pay Zone: From 2201 To 2304
Casing: OD 5-1/2" WT. 14# Set At 2213 Tubing: OD 1" WT. 1.7# T. Perf. 2279
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.655 Estimated _____
Date of Flow Test: From 4-15-56 To 4-22-56 * Date S.I.P. Measured 2-6-56
Meter Run Size 4" Orifice Size 2.000 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 (6.90) ² x sp. const. 5 _____ = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 238 psia (h)
P_t = (h) + (f) _____ = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 664 psig + 12 = 676 psia (j)
Wellhead tubing shut-in pressure (Dwt) 664 psig + 12 = 676 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 676 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 338 psia (n)

FLOW RATE CALCULATION

$$Q = \text{_____} \times \left(\frac{\frac{V(c)}{V(d)}}{\text{_____}} \right) = \text{_____} \text{ MCF/da}$$

(Integrated)

DELIVERABILITY CALCULATION

$$D = Q \text{ } \underline{1.070} \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{.8762} \text{ } \underline{938} \text{ MCF/da.}$$

SUMMARY

P_c = 676 psia
Q = 1.070 Mcf/day
P_w = 238 psia
P_d = 338 psia
D = 938 Mcf/day
Company T. JACK FOSTER
By [Signature]
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 i)	P _t ² + R ²	P _w
			Friction negligible			

OK



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. COPIES	
Operator		
Santa Fe	1	
Promotion Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓