

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 Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease Barren Kidd Well No. 1-P-X
Unit M Sec. 28 Twp. 30 Rge. 6 Pay Zone: From 5074 To 5540
Casing: OD 5-1/2 WT. 155 Set At 5667 Tubing: OD 2 WT. 4.7 T. Perf. 5525
Produced Through: Casing _____ Tubing T Gas Gravity: Measured 665 Estimated _____
Date of Flow Test: From 7-16-57 To 7-24-57 * Date S.I.P. Measured 6-4-57 (11 days)
Meter Run Size 4 Orifice Size — Type Chart sq. rt. Type Taps F

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. 10 _____ = 476 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 476 psia (h)
P_t = (h) + (f) _____ = 476 psia (i)
Wellhead casing shut-in pressure (Dwt) 1079 psig + 12 = 1091 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1070 psig + 12 = 1082 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1082 psia (l)
Flowing Temp. (Meter Run) 98 °F + 460 _____ = 558 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 541 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____} \right)^* = \underline{2606}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION
D = Q 2606 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0925}{1.0686} = \underline{2785}$ MCF/day

SUMMARY
P_c = 1082 psia
Q = 2606 Mcf/day
P_w = 606 psia
P_d = 541 psia
D = 2785 Mcf/day
Company EL PASO NATURAL GAS COMPANY
By L. D. Calloway
Title Sr. Gas Engineer
Witnessed by _____
Company _____

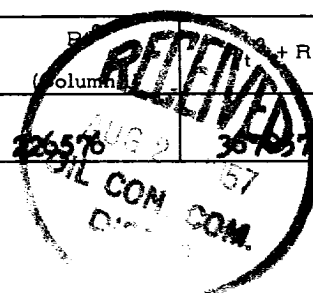
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _c + R ² (column)	P _w
3674	.234	600.348	140,481	26576 36747	606

D at 500 = 2,532

OK



(TO BE USED FOR FRUITLAND, PICKLED CLIFFS, MESEVERDE, & ALL SAKOTA EXCEPT BANNER CONE STORAGE AREA)

SECRET CONFIDENTIAL NOFORN

_____ Date Test Filed _____

10-10-68

100-443887-100

[illegible]

Gas Gravity: Measured by _____

7-16-57 To: Mr. J. E. Measured 4-1-57 (11-1-57)

Office Size _____ Type Chair _____ Type _____

(a)	Flowing temp. (water temp)	98	$T_F + 460$	
(b)	$P_F = (P_1 + P_2) / 2$			
(c)	$P_F = (P_1 + P_2) / 2$			
(d)	Wellhead static shut-in pressure (Dw)	1030		
(e)	Wellhead static shut-in pressure (Dw)	1030		
(f)	$P_F = (P_1 + P_2) / 2$			
(g)	Wellhead casing static pressure (Dw)	1030		
(h)	$P_F = (P_1 + P_2) / 2$			
(i)	$P_F = (P_1 + P_2) / 2$			
(j)	Wellhead casing static pressure (Dw)	1030		
(k)	Wellhead static shut-in pressure (Dw)	1030		
(l)	Wellhead static shut-in pressure (Dw)	1030		
(m)	Wellhead static shut-in pressure (Dw)	1030		
(n)	Wellhead static shut-in pressure (Dw)	1030		
(o)	Wellhead static shut-in pressure (Dw)	1030		
(p)	Wellhead static shut-in pressure (Dw)	1030		
(q)	Wellhead static shut-in pressure (Dw)	1030		
(r)	Wellhead static shut-in pressure (Dw)	1030		
(s)	Wellhead static shut-in pressure (Dw)	1030		
(t)	Wellhead static shut-in pressure (Dw)	1030		
(u)	Wellhead static shut-in pressure (Dw)	1030		
(v)	Wellhead static shut-in pressure (Dw)	1030		
(w)	Wellhead static shut-in pressure (Dw)	1030		
(x)	Wellhead static shut-in pressure (Dw)	1030		
(y)	Wellhead static shut-in pressure (Dw)	1030		
(z)	Wellhead static shut-in pressure (Dw)	1030		

FLOW RATE CALCULATION

(continued)

DELIVERABILITY CALCULATION

[illegible]

diag	201	
diag	202	
diag	203	
diag	204	
diag	205	
diag	206	

...fast, not intended to stop at all. This is a
...of the ...

REMARKS ON EMISSION CALCULATIONS

[illegible]

姓名: _____ 性别: _____ 年龄: _____
 学号: _____ 班级: _____
 日期: _____

