

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 Elmore Pictured Cliff Formation Pictured Cliff County El Arriba  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Co. Lease None Well No. 4  
Unit L Sec. 23 Twp. 26N Rge. 6W Pay Zone: From 3036 To 3096  
Casing: OD 5 1/2 WT. 15.5 Set At 3036 Tubing: OD 1 WT. 1.68 T. Perf. 3050  
Produced Through: Casing \_\_\_\_\_ Tubing I Gas Gravity: Measured \_\_\_\_\_ Estimated .690  
Date of Flow Test: From 1/16 To 1/23/56 \* Date S.I.P. Measured 9/29/55  
Meter Run Size 4 Orifice Size \_\_\_\_\_ 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 (\_\_\_\_\_) <sup>2</sup> 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 (7.90) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 312 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 312 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 312 psia (i)  
Wellhead casing shut-in pressure (Dwt) 1007 psig + 12 = 1019 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 1007 psig + 12 = 1019 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1019 psia (l)  
Flowing Temp. (Meter Run) 145 °F + 460 \_\_\_\_\_ = 505 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 510 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{152}{(\text{integrated})} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = 152 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{152}{\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^{0.854}} = 130 \text{ MCF/day}$$

SUMMARY

P<sub>c</sub> = 1019 psia  
Q = 152 Mcf/day  
P<sub>w</sub> = 315 psia  
P<sub>d</sub> = 510 psia  
D = 130 Mcf/day

Company El Paso Natural Gas Company  
By Original Signed  
Title Lewis D. Galt  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

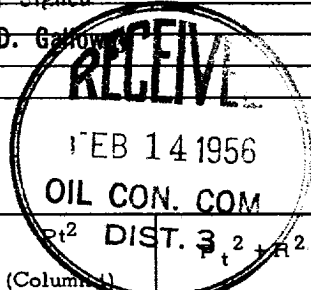
\* This is date of completion test.  
\* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> )	P <sub>t</sub> <sup>2</sup> DIST. 3 <sub>t</sub> + R <sup>2</sup>	P <sub>w</sub>
<u>21.04</u>	<u>0.342</u>	<u>58.691</u>	<u>8.334</u>	<u>97.344</u>	<u>315</u>

D = 130 = 156

OK



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GAS WELL TEST DATA SHEET - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, FETTERED OILFIELD, NEVADA ROAD & ALL OTHERS EXCEPT BAKER'S HOME STOP AREA)

Well No. 300 Loc. 1 Date Tested 11/15/50

Operator El Paso Natural Gas Co. State Land Office 1

U.S.G.S. 1 Transmitter 1

Pressure (psi) 1100 Temperature (°F) 110

Flow Rate (cu ft/hr) 1100 Gas Gravity 0.65

Well Depth (ft) 1100 Casing Depth (ft) 1100

Perforations (ft) 1100 Completion (ft) 1100

Test Interval (hr) 1100 Test Duration (hr) 1100

Test Results (ft) 1100 Test Results (ft) 1100

(a)	Pressure (psi)	1100
(b)	Temperature (°F)	110
(c)	Flow Rate (cu ft/hr)	1100
(d)	Gas Gravity	0.65
(e)	Well Depth (ft)	1100
(f)	Casing Depth (ft)	1100
(g)	Perforations (ft)	1100
(h)	Completion (ft)	1100
(i)	Test Interval (hr)	1100
(j)	Test Duration (hr)	1100
(k)	Test Results (ft)	1100
(l)	Test Results (ft)	1100
(m)	Test Results (ft)	1100
(n)	Test Results (ft)	1100
(o)	Test Results (ft)	1100
(p)	Test Results (ft)	1100
(q)	Test Results (ft)	1100
(r)	Test Results (ft)	1100
(s)	Test Results (ft)	1100
(t)	Test Results (ft)	1100
(u)	Test Results (ft)	1100
(v)	Test Results (ft)	1100
(w)	Test Results (ft)	1100
(x)	Test Results (ft)	1100
(y)	Test Results (ft)	1100
(z)	Test Results (ft)	1100

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**OIL CONSERVATION COMMISSION**  
**AZTEC DISTRICT OFFICE**

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**DISTRIBUTION**

Operator	NO. FURNISHED	RECEIVED
Santa Fe	1	
Proration Office	1	
State Land Office	1	
U. S. G. S.	1	
Transmitter	1	✓