

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 San Juan
Purchasing Pipeline E1 Paso Natural Gas Company Date Test Filed _____
Operator E1 Paso Natural Gas Lease Newberry Well No. 6
Unit A Sec. NE17 Twp. 11N Rge. 12W Pay Zone: From 4792 To 5038
Casing: OD 5½ WT. 15.50 Set At 5090 Tubing: OD 2 WT. 4.7 T. Perf. 4982
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .720 Estimated _____
Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 4/20/56
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 (_____) 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 (7.60) ² x sp. const. 10 _____ = 578 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 578 psia (h)
P_t = (h) + (f) _____ = 578 psia (i)
Wellhead casing shut-in pressure (Dwt) 1073 psig + 12 = 1085 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) 96 °F + 460 _____ = 556 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 541 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{1826} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 1826 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{878,043}{769,734} \right]^n \frac{1.1407}{1.1037} = \text{2015} \text{ MCF/da.}$

SUMMARY

P_c = 1082 psia
Q = 1826 Mcf/day
P_w = 633 psia
P_d = 541 psia
D = 2015 Mcf/day

Company E1 Paso Natural Gas Company
By Original Signed
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
<u>3537</u>	<u>.227</u>	<u>294,740</u>	<u>66,906</u>	<u>334,084</u>	<u>400,990</u>	<u>633</u>

D @ 500 = 1942



GAS WELL TEST DATA SHEET - SAN JUAN BASIN

TO BE USED FOR FURNISHING INFORMATION TO THE OIL CONSERVATION COMMISSION
EXCEPT WHERE SHOWN OTHERWISE

Well No.	Location	Company	Test Date	Test Time	Test Pressure (psi)	Test Temperature (°F)	Test Volume (cu ft)	Test Flow (cu ft/hr)	Test Duration (hr)	Test Remarks
1001	San Juan Basin	Oil Co.	10/1/50	10:00	1000	100	1000	1000	10	Test OK
1002	San Juan Basin	Oil Co.	10/1/50	11:00	1000	100	1000	1000	10	Test OK
1003	San Juan Basin	Oil Co.	10/1/50	12:00	1000	100	1000	1000	10	Test OK
1004	San Juan Basin	Oil Co.	10/1/50	13:00	1000	100	1000	1000	10	Test OK
1005	San Juan Basin	Oil Co.	10/1/50	14:00	1000	100	1000	1000	10	Test OK
1006	San Juan Basin	Oil Co.	10/1/50	15:00	1000	100	1000	1000	10	Test OK
1007	San Juan Basin	Oil Co.	10/1/50	16:00	1000	100	1000	1000	10	Test OK
1008	San Juan Basin	Oil Co.	10/1/50	17:00	1000	100	1000	1000	10	Test OK
1009	San Juan Basin	Oil Co.	10/1/50	18:00	1000	100	1000	1000	10	Test OK
1010	San Juan Basin	Oil Co.	10/1/50	19:00	1000	100	1000	1000	10	Test OK
1011	San Juan Basin	Oil Co.	10/1/50	20:00	1000	100	1000	1000	10	Test OK
1012	San Juan Basin	Oil Co.	10/1/50	21:00	1000	100	1000	1000	10	Test OK
1013	San Juan Basin	Oil Co.	10/1/50	22:00	1000	100	1000	1000	10	Test OK
1014	San Juan Basin	Oil Co.	10/1/50	23:00	1000	100	1000	1000	10	Test OK
1015	San Juan Basin	Oil Co.	10/1/50	24:00	1000	100	1000	1000	10	Test OK

TEST RESULTS

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Oil Conservation Commission
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