Form C-122-A
Revised April 20, 1955

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: El Paso Natural Gas Company Date Test Filed: _____

Operator: El Paso Natural Gas Company Lease: Storey Well No.: 9-S (M)

Unit: L Sec.: 34 Twp.: 28 Rge.: 9 Pay Zone: From: 5230 To: 5310

Casing: OD 5-1/2 WT. 15.5 Set At 5396 Tubing: OD 2" WT. 4.7 T. Perf. 5268

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .720 Estimated _____

Date of Flow Test: From 072357 To 080157 * Date S.I.P. Measured 4-17-57 (15 days)

Meter Run Size 4 Orifice Size 1.250 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)	psig + 12 =	---	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1018	psig + 12 =	1030	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1030	psia	(l)
Flowing Temp. (Meter Run) 75 °F + 460	=	535	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	515	psia	(n)

FLOW RATE CALCULATION

$$Q = ____ \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = ____ = ____ \right)^{*} = 1078 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 1078 \left[\frac{P_c^2 - P_d^2 = 795675}{P_c^2 - P_w^2 = 809369} \right]^n \frac{.9828}{.9871} = 1064 \text{ MCF/da.}$$

SUMMARY

P_c = 1030	psia	
Q = 1078	Mcf/day	
P_w = 901	psia	
P_d = 515	psia	
D = 1064	Mcf/day	

Company: EL PASO NATURAL GAS COMPANY
By: Original Signed
Title: L. D. Galloway, Sr. Gas Engineer
Witnessed by: Lewis D. Galloway
Company: _____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3793	.241	102,718	24755	226,576	251,331	901

D at 900 = 1043

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OIL CON. COM.
DIST. 3

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 _____ County _____

Purchasing Pipeline _____

Operator _____ Well No. _____

Unit _____ Section _____ Township _____ Range _____

Casing: OD _____ Wt. _____ Set at _____ Perf. _____

Produced Through: Casing _____ Tubing _____ Single _____ Dual _____

Date of Flow Test: From _____ To _____

Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

DELIVERABILITY

Flowing casing pressure (Dwt) _____ psia (a)

Flowing tubing pressure (Dwt) _____ psia (b)

Flowing meter pressure (Dwt) _____ psia (c)

Flowing meter pressure (meter reading when flow first begins) _____ psia (d)

Normal chart reading _____ psia (e)

Square root chart reading ( ) x spring constant _____ psia (f)

Meter error (c) - (d) or (d) - (c) _____ psi (g)

Friction loss, Flowing column to meter: (b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ psi (h)

Seven day average static meter pressure (from meter chart) _____ psia (i)

Normal chart average reading _____ psia (j)

Square root chart average reading ( ) x sp. const. _____ psia (k)

Daily average static meter pressure (i) + (g) _____ psia (l)

$P_c = (l)^2 + (h)^2$ _____ psia (m)

Wellhead casing shut-in pressure (Dwt) _____ psia (n)

Wellhead tubing shut-in pressure (Dwt) _____ psia (o)

$P_c = (n)^2$ or $(o)^2$ whichever well flowed through _____ psia (p)

Flowing Temp. (Meter Run) _____ °F Ave. _____ °Abs. (q)

$P_d = \frac{1}{2} P_c = (p)$ _____ psia (r)

SUMMARY

P_c = _____ psia (p)

P_d = _____ psia (r)

Q = _____ MCF/da

Calculation by: _____

Checked by: _____

Revised by: _____

Title: _____

Date: _____

Date of completion test _____

Meter error correction factor _____

MULTIPOINT POINTING CALCULATIONS

Q	$(1-e^{-s})$	P_c^2	$P_c^2 - P_w^2$	P_w

P as 500 = _____

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AUG 12 1991
OIL CON. DIV.
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