Form C-122-A
Revised April 20, 1955

72471
Initial Deliverability Test

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 Cliff County: San Juan

Purchasing Pipeline: El Paso Natural Gas Company Date Test Filed: _____

Operator: El Paso Natural Gas Co. Lease: Schwerdtfeger Well No.: 16-A

Unit: C Sec.: 21 Twp.: 27 Rge.: 8 Pay Zone: From: 2372 To: 2408

Casing: OD 5½ WT: 15.5# Set At: 2456 Tubing: OD 1¼ WT. 2.4 T. Perf. 2336

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .656 Estimated _____

Date of Flow Test: From 9-29 To 10-7-59 * Date S.I.P. Measured 8-5-59 (10 Days)

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

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	216	psig + 12 =	228	psia	(g)
Square root chart average reading (_____)^2 x sp. const.		=	228	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		=	228	psia	(h)
P_t = (h) + (f)		=	607	psia	(i)
Wellhead casing shut-in pressure (Dwt)	595	psig + 12 =	607	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	595	psig + 12 =	607	psia	(k)
P_c = (j) or (k) whichever well flowed through		=	607	psia	(l)
Flowing Temp. (Meter Run)	61 °F + 460	=	521	°Abs	(m)
P_d = ½ P_c = ½ (l)		=	304	psia	(n)

FLOW RATE CALCULATION

$Q = \frac{4594}{8}$ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)^{*} =$ 574 MCF/da.

RECEIVED
OCT 23 1959
OIL CON. COM.
DIST. 3

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2 = 276033}{P_c^2 - P_w^2 = 295495} \right]^n \frac{.9341}{.9438} =$ 542 MCF/da.

SUMMARY

P_c =	607	psia
Q =	574	Mcf/day
P_w =	270	psia
P_d =	304	psia
D =	542	Mcf/day

EL PASO NATURAL GAS COMPANY
Company
By: Original Signed
Title
Witnessed by: Harold L. Kendrick
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1532	.105	199.713	20,970	51984	72,954	270

D250 = 548