Form C-122-A
Revised April 20, 1955

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)

74-755

Pool South Blanco Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Turner State Well No. 13-2

Unit H Sec. 2 Twp. 26 Rge. 8 Pay Zone: From 2210 To 2269

Casing: OD 5.5 WT. 15.5 Set At 2311 Tubing: OD 1 WT. 1.68 T. Perf. 2244

Produced Through: Casing ~~Tubing~~ X Gas Gravity: Measured .689 Estimated

Date of Flow Test: From 8/15/59 To 8/22/59 * Date S.I.P. Measured 8/29/59

Meter Run Size Orifice Size Type Chart Type Taps

OBSERVED DATA

Flowing casing pressure (Dwt)	210 psig + 12 =	222	psia	(a)
Flowing tubing pressure (Dwt)	201 psig + 12 =	213	psia	(b)
Flowing meter pressure (Dwt)	201 psig + 12 =	213	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken):				
Normal chart reading	psig + 12 =		psia	(d)
Square root chart reading (6.50) ^{2} x spring constant 5	=	211	psia	(d)
Meter error (c) - (d) or (d) - (c) ±	=	+2	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	0	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	psig + 12 =		psia	(g)
Square root chart average reading (6.65) ^{2} x sp. const. 5	=	221	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	223	psia	(h)
P_t = (h) + (f)	=	223	psia	(i)
Wellhead casing shut-in pressure (Dwt) 406	psig + 12 =	418	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 406	psig + 12 =	418	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	418	psia	(l)
Flowing Temp. (Meter Run) 75 °F + 460	=	535	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	209	psia	(n)

FLOW RATE CALCULATION

Q = 77 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{1.0094}{} = 1.0047\right)^*$ = 77 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 131043}{(P_c^2 - P_w^2) = 123398}\right]^n$ 1.0619 / 1.0523 = 81 MCF/da.

SUMMARY

P_c =	418	psia
Q =	77	Mcf/day
P_w =	227	psia
P_d =	209	psia
D =	81	Mcf/day

Company El Paso Natural Gas
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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1546	.106	15,062	1597	49789	51326	227

D at 250 = 67

RECEIVED
SEP 14 1959
OIL CON. COM.
DIST. 3