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)

72-314

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Abraham Well No. 1-D

Unit H Sec. 11 Twp. 30 Rge. 6 Pay Zone: From 5210 To 5622

Casing: OD 5-1/2 WT. 15.5 Set At 5734 Tubing: OD 2 WT. 4.7 T. Perf. 5645

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .594 Estimated ____

Date of Flow Test: From 11/29/58 To 12/7/58 * Date S.I.P. Measured 1/14/58 (25)

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 ____ 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) 1021 psig + 12 = 1033 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1017 psig + 12 = 1029 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 1029 psia	(l)
Flowing Temp. (Meter Run) 49 °F + 460		= 509 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 515 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^* = 330$ MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{793616}{830185} \right]^n \frac{.9559}{.9668} = 319 \text{ MCF/da.}$$

SUMMARY

P_c = 1029	psia	Company El Paso Natural Gas
Q = 330	Mcf/day	By Original Signed
P_w = 478	psia	Title Harold L. Kendrick
P_d = 515	psia	Witnessed by ____
D = 319	Mcf/day	Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3353	.216	9.629	2,080	226576	228656	478

D at 500 = 319

RECEIVED
JAN 5 1959
OIL CON. COM.
DIST. 3