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)

Pool SOUTH BLANCO Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 10-3-56

Operator J. GLENN TURNER Lease HUERFANITO UNIT Well No. 46-25

Unit L Sec. 25 Twp. 27N Rge. 9W Pay Zone: From 2137 To 2217

Casing: OD 5-1/2" WT. 14# Set At 2137 Tubing: OD 1" WT. 1.7# T. Perf. 2169

Produced Through: Casing X Tubing Gas Gravity: Measured 0.650 Estimated

Date of Flow Test: From 8-23-56 To 8-31-56 * Date S.I.P. Measured 2-11-56

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 (6.85)^2 x sp. const. 5	= 235	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 235	psia	(h)
P_t = (h) + (f)	= 235	psia	(i)
Wellhead casing shut-in pressure (Dwt) 680	psig + 12 = 692	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 680	psig + 12 = 692	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 692	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	= 529	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 346	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$ = 94 $\left[\frac{359,200}{423,700}\right]^{0.869}$ = ~~73~~ 82 MCF/da.

SUMMARY

P_c = 692 psia
Q = 94 Mcf/day
P_w = 235 psia
P_d = 346 psia
D = ~~73~~ 82 Mcf/day

Company J. GLENN TURNER
By Virgil F. Stokes
Title Engineer
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction negligible			

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