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 BALLARD Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4-17-56

Operator J. GLENN TURNER Lease HUERFANITO UNIT Well No. 28-34

Unit P Sec. 34 Twp. 27N Rge. 9W Pay Zone: From 2237 To 2311

Casing: OD 5-1/2" WT. 14# Set At 2237 Tubing: OD 1" WT. 1.7# T. Perf. 2291

Produced Through: Casing X Tubing Gas Gravity: Measured 0.630 Estimated

Date of Flow Test: From 3-8-56 To 3-16-56 * Date S.I.P. Measured 11-26-55

Meter Run Size 4" Orifice Size 0.500 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 (7.8) ^{2} x sp. const. 5	= 304	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 304	psia	(h)
P_t = (h) + (f)	= 304	psia	(i)
Wellhead casing shut-in pressure (Dwt) 635	psig + 12 = 647	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 635	psig + 12 = 647	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 647	psia	(l)
Flowing Temp. (Meter Run) 41 °F + 460	= 501	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 324	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$

D = Q 69 $\left[\frac{P_c^2 - P_d^2 = 314,000}{P_c^2 - P_w^2 = 327,000} \right]^n$ 0.966 = 67 MCF/da.

SUMMARY

P_c =	647	psia
Q =	69	Mcf/day
P_w =	304	psia
P_d =	324	psia
D =	67	Mcf/day

Company J. GLENN TURNER
By [signature]
Title Engineer
Witnessed by
Company

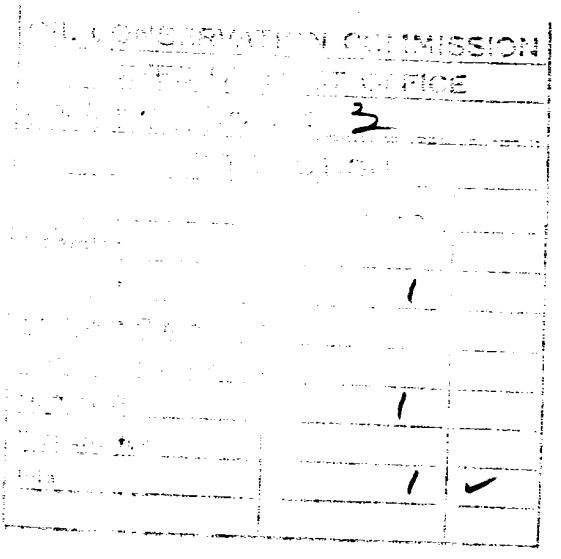
* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

RECEIVED
APR 19 1956
OIL CON. COM.
DIST. 3


CONSERVATION COMMISSION
OFFICE
3
1
1
1