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 Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Company Lease San Juan 32-7 Well No. 56

Unit M Sec. 13 Twp. 32 Rge. 7 Pay Zone: From 5072 To 5164

Casing: OD 5 1/2 WT. 15.5 Set At 5195 Tubing: OD 2" WT. 4.7 T. Perf. 5071

Produced Through: Casing Tubing X Gas Gravity: Measured .700 Estimated

Date of Flow Test: From 9-29-56 To 10-1-56 * Date S.I.P. Measured 5-31-56

Meter Run Size 4 Orifice Size -- Type Chart Sq. Root 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 (7.05) ^{2} x sp. const. 10	= 497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 497	psia	(h)
P_t = (h) + (f)	= 497	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1076	psig + 12 = 1088	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1060	psig + 12 = 1072	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1072	psia	(l)
Flowing Temp. (Meter Run) 75 °F + 460	= 535	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 536	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = 1096 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 1096 $\left[\frac{861,888}{875,521} \right]^{.9844}_{.9883}$ = 1083 MCF/da.

SUMMARY

P_c = 1072	psia	
Q = 1096	Mcf/day	
P_w = 523	psia	
P_d = 536	psia	
D = 1083	Mcf/day	

Company El Paso Natural Gas Company

By Original Signed Lewis D. Galloway

Title

Witnessed by

Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3970	.251	106,193	26,654	247,009	273,663	523

D @ 500 = 1082

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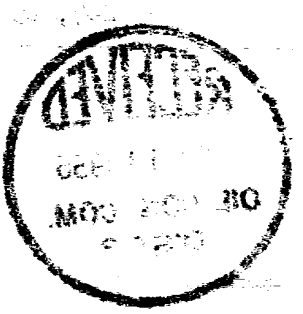
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