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 Tapicito Pictured Cliffs Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline Southern Union Gas Company Date Test Filed 3/28/56

Operator Southern Union Gas Company Lease Jicarilla Well No. 4-E

Unit A Sec. 22 Twp. 26-N Rge. 4-W Pay Zone: From 3436 To ~~3504~~ 3504

Casing: OD 5-1/2" WT. 15.5# Set At 3446 Tubing: OD 2-3/8" WT. 4.7# T. Perf. 3445

Produced Through: Casing ____ Tubing XX Gas Gravity: Measured ____ Estimated .660

Date of Flow Test: From 2/29/56 To 3/8/56 * Date S.I.P. Measured 7/5/55

Meter Run Size 4" Orifice Size 1-3/4" Type Chart Normal 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 557	psig + 12 = 569	psia	(g)
Square root chart average reading (____) ^{2} x sp. const. ____	= ~~---~~	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 569	psia	(h)
P_t = (h) + (f)	= 569	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1094	psig + 12 = 1106	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1089	psig + 12 = 1101	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1101	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	= 520	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 550	psia	(n)

FLOW RATE CALCULATION

$$Q = 2335 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \text{None} \right)^{*} = 2335 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{909,701}{810,400} \right]^{n} = 2335 \left[\frac{909,701}{810,400} \right]^{0.85} = 2335 \times 1.1032 = 2576 \text{ MCF/da.}$$

(1.1157 8) N 2571

1.1011

SUMMARY

P_c =	1101	psia	
Q =	2335	Mcf/day	
P_w =	630 ~~633.9~~	psia	
P_d =	550	psia	
D =	2576	Mcf/day	

Company Southern Union Gas Company
By L. S. Mannink
Title Jr. Petroleum Engineer
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2274	~~0.145~~	~~538.24~~	~~78.04~~	323.761	~~397.019~~ ~~401.861~~	630 ~~633.9~~
	.152	481.961	73.258			

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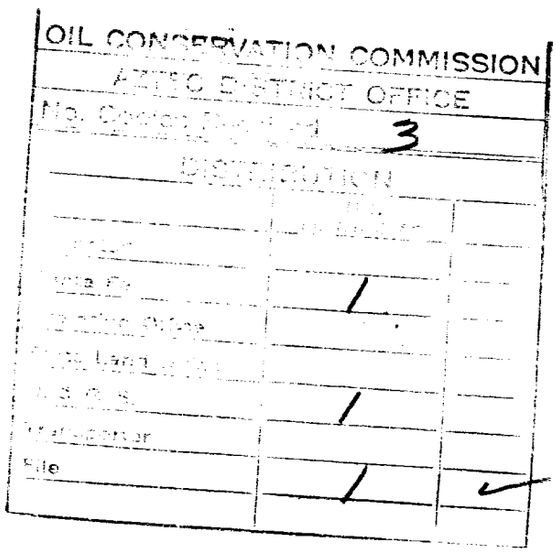
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