1-28-61

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 Basin Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed April 6, 1961

Operator R & G Drilling Co. Lease Hammond Well No. 4

Unit K Sec. 35 Twp. 27 N Rge. 8 W. Pay Zone: From 6730 To 6770

Casing: OD 4½ WT. ____ Set At 6830 Tubing: OD 2 WT. ____ T. Perf. 6775

Produced Through: Casing ____ Tubing T Gas Gravity: Measured .680 Estimated ____

Date of Flow Test: From 2-14-61 To 2-21-61 * Date S.I.P. Measured 10-28-60

Meter Run Size 4" Orifice Size 1.000 Type Chart S R 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 (6.92) ^{2} x sp. const. 1000 = 479	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 483	psia	(h)
P_t = (h) + (f) = 483	psia	(i)
Wellhead casing shut-in pressure (Dwt) ____ psig + 12 = ____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2204 psig + 12 = 2216	psia	(k)
P_c = (j) or (k) whichever well flowed through = 2216	psia	(l)
Flowing Temp. (Meter Run) 72 °F + 460 = 532	°Abs	(m)
P_d = ½ P_c = ½ (l) = 1108	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{3,682,992}{4,675,378} \right]^{n} = 281 \times .8362 = 235 \text{ MCF/da.}$$

SUMMARY

P_c = 2216	psia	Company	Consolidated, Inc.
Q = 281	Mcf/day	By	B. Hughes
P_w = 1108	psia	Title	Agent
P_d =	psia	Witnessed by	
D = 235	Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4607	.285	6.900	1.969	239,289	235,278	485

RECEIVED
APR 7 1961
OIL CON. COM.
DIST. 3