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: 6/10/60

Operator: CONSOLIDATED OIL & GAS, INC. | Lease: JAQUEZ | Well No.: 1

Unit: K | Sec.: 2 | Twp.: 31N | Rge.: 13W | Pay Zone: From: 4418' | To: 4677'

Casing: OD: 5-1/2 | WT.: 15.5 | Set At: 4730' | Tubing: OD: 1.66 | WT.: 2.4 | T. Perf.: 4648'

Produced Through: Casing: X | Tubing: | Gas Gravity: Measured: .691 | Estimated:

Date of Flow Test: From: 4/29/60 | To: 5/7/60 | * Date S.I.P. Measured: 5/14/60

Meter Run Size: 4" | Orifice Size: 1.000 | Type Chart: L-10 | Type Taps: Flange

OBSERVED DATA

Flowing casing pressure (Dwt)	247 psig + 12 =	259 psia	(a)
Flowing tubing pressure (Dwt)	247 psig + 12 =	259 psia	(b)
Flowing meter pressure (Dwt)	245 psig + 12 =	257 psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken):			
Normal chart reading	psig + 12 =	257 psia	(d)
Square root chart reading (5.07)^2 x spring constant 10	=	0 psia	(d)
Meter error (c) - (d) or (d) - (c) ±	=	2 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 =	245 psia	(g)
Square root chart average reading (4.95)^2 x sp. const. 10	=	245 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	247 psia	(h)
P_t = (h) + (f)	=	511 psia	(i)
Wellhead casing shut-in pressure (Dwt) 499	psig + 12 =	511 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 499	psig + 12 =	511 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	5.11 psia	(l)
Flowing Temp. (Meter Run) 56 °F + 460	=	516 °Abs	(m)
P_d = ½ P_c = ½ (l)	=	256 psia	(n)

FLOW RATE CALCULATION

$$Q = 216 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{257}{257} = \right) = 216 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{195585}{194048} \right]^n = 216 \times 1.0079^n = 216 \text{ MCF/da.}$$

SUMMARY

P_c =	511	psia
Q =	216	Mcf/day
P_w =	259	psia
P_d =	256	psia
D =	216	Mcf/day

Company: CONSOLIDATED OIL & GAS, INC.

By: [signature]

Title: Production Manager

Witnessed by: Robert B. Tenison

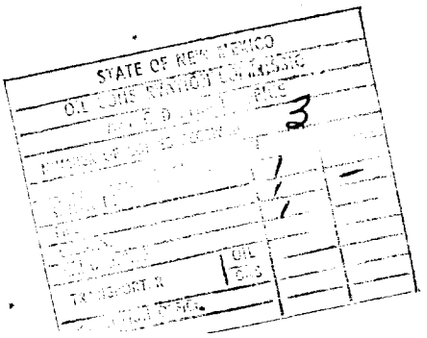
Company: Consolidated Oil & Gas, Inc.

• 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
3212	.208	28.230	5.882	61.009	66.891	259


STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
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