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 Aztec Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 4-12-56

Operator Pubco Petroleum Corporation Lease State Well No. 24

Unit [illegible] Sec. [illegible] Twp. 30N Rge. 11W Pay Zone: From 2,342 To 2,432 KB

Casing: OD 5 1/2 WT. 15.5&14 Set At 2,5[illegible] KB Tubing: OD 1" WT. 1.7 T. Perf. 2,401 KB

Produced Through: Casing X Tubing ______ Gas Gravity: Measured .660 Estimated ______

Date of Flow Test: From 3-24-56 To 3-31-56 * Date S.I.P. Measured 12-10-55

Meter Run Size 4" Orifice Size 3/4 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 (7.20) ^{2} x sp. const. 5 =	259	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) =	259	psia	(h)
P_t = (h) + (f) =	259	psia	(i)
Wellhead casing shut-in pressure (Dwt) 629 psig + 12 =	641	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 92 psig + 12 =	104	psia	(k)
P_c = (j) or (k) whichever well flowed through =	641	psia	(l)
Flowing Temp. (Meter Run) 55 °F + 460 =	515	°Abs	(m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) =	321	psia	(n)

FLOW RATE CALCULATION

$$Q = 151 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 151 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 151 \left[\frac{\left(P_c^2 - P_d^2\right) = 307840}{\left(P_c^2 - P_w^2\right) = 343800} \right]^n (.8954)\ [illegible]151 = 138 \text{ MCF/da.}$$

137
.91036

SUMMARY

P_c =	641	psia
Q =	151	Mcf/day
P_w =	259	psia
P_d =	321	psia
D =	138	Mcf/day

Company Pubco Petroleum Corporation
By N. E. Maxwell, Jr. N. E. Maxwell
Title Mgr. Prod. Dept.
Witnessed by ______
Company ______

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-s})	$(F_cQ)^2$	$(F_cQ)^2$ (1-e^{-s}) / R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1559	.106	negligible	negligible	67081	67081	259

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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