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 June 26, 1956

Operator Tobco Petroleum Corporation Lease Federal Well No. 1

Unit B Sec. 1 Twp. 29N Rge. 11W Pay Zone: From 2250 To 2266

Casing: OD 5½ WT. 14 Set At 2290 Tubing: OD 1" WT. 1.7 T. Perf.

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

Date of Flow Test: From 6-1-56 To 6-8-56 * Date S.I.P. Measured 4-1-56

Meter Run Size 4" Orifice Size 1.25 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 (7.10) ^{2} x sp. const. 5	= 252	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 252	psia	(h)
P_t = (h) + (f)	= 252	psia	(i)
Wellhead casing shut-in pressure (Dwt) 648	psig + 12 = 660	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 647	psig + 12 = 659	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 659	psia	(l)
Flowing Temp. (Meter Run) 64 °F + 460	= 524	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 329	psia	(n)

FLOW RATE CALCULATION

Q = 576 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 576 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{325,921}{344,827} \right]^n$ 576 x).887) $^{.85}$ = 511 MCF/da.

SUMMARY

P_c = 659 psia
Q = 576 Mcf/day
P_w = ~~495~~ 252 psia
P_d = 329 psia
D = 511 Mcf/day

Company Tobco Petroleum Corp.
By H. L. Spalinger
Title Engr. Prod. Supt.
Witnessed by Don Anderson
Company Tobco Petroleum Corp.

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1488	.193	84,974	868.02	63,504	63504	252

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