Form C-122-.
Revised April 2[illegible], 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 - Mesaverde FORMATION Mesaverde COUNTY San Juan

PURCHASING PIPELINE Southern Union Gathering Company DATE TEST FILED January 31, 1957

OPERATOR D Delhi-Taylor Oil Corp. LEASE Archuleta WELL NO. 1

UNIT [illegible] SEC. 29 TWP. 30N RGE. 8W PAY ZONE: From [illegible] To [illegible]

CASING: OD 7 5/8 WT. 26.40 SET AT [illegible] TUBING: OD [illegible] WT. [illegible] T.Perf. [illegible]

PRODUCED THROUGH: CASING ____ TUBING X GAS GRAVITY: MEASURED [illegible] ESTIMATED ____

DATE OF FLOW TEST: From 12/31/56 To 1/8/57 *Date S.I.P. MEASURED 1/15/57

METER RUN SIZE 4.026 ORIFICE SIZE 1.500 TYPE CHART [illegible] TYPE TAPS Flange

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OBSERVED DATA

Flowing casing pressure (Dwt)	675	psig + 12 =	687	psia	(a)
Flowing tubing pressure (Dwt)	569	psig + 12 =	581	psia	(b)
Flowing meter pressure (Dwt)	567	psig + 12 =	579	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:					
Normal chart reading.	558	psig + 12 =	570	psia	(d)
Square root chart reading (____) ^{2}x spring constant ____		=		psia	(d)
Meter error (c) - (d) or (d) - (c). . . . . ±		=	[illegible]	psi	(e)
Friction loss, Flowing column to meter: (b) - (c) Flow through tubing: (a) - (c) Flow through casing...		=	2	psi	(f)
Seven day average static meter pressure (from meter chart):					
Normal chart average reading.	563	psig + 12 =	575	psia	(g)
Square root chart average reading (____) ^{2}x sp. const. ____		=		psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		=	[illegible]	psia	(h)
P_t = (h) + (f)		=	[illegible]	psia	(i)
Wellhead casing shut-in pressure (Dwt)	860	psig + 12 =	872	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	857	psig + 12 =	869	psia	(k)
P_c = (j) or (k) whichever well flowed through.		=	869	psia	(l)
Flowing Temp. (Meter Run). . . .	76	°F + 460 . . . . . . =	536	°Abs	(m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l)		=	434.5	psia	(n)

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5 1/2" Liner [illegible]

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{1,404} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{24.062}{23.875} = 1.0078 \right)^{*} = 1,415 \text{ MCF/da.}$$

DELIVERABILITY CALCULATION

$$D = Q \; 1,415 \left[\frac{\left(P_c^2 - P_d^2 \right) = 566.371}{\left(P_c^2 - P_w^2 \right) = 385.470} \right]^n 1.3340 = 1,888 \text{ MCF/da.}$$

SUMMARY

P_c =	869	psia	Company	Delhi-Taylor Oil Corporation
Q =	1,415	Mcf/day	By	J. E. Kruger [signature]
P_w =	608	psia	Title	Dist. Engineer
P_d =	434.5	psia	Witnessed by	
D =	1,888	Mcf/day	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
1562	0.207	276.992	18.958	343.356	369.691	608
1405	0.116	61.696	7.157			

ELC