

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 Mesaverde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 6/10/60

Operator Mobil Oil Company Lease Jicarilla H Well No. 1 LT-MV
Unit H Sec. 11 Twp. 26N Rge. 3W Pay Zone: From 5386' To 5882'
Casing: OD 5 1/8" WT. 14# Set At 3965' Tubing: OD 2-3/8 WT. 4.7# T. Perf. 5889'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .677 Estimated -
Date of Flow Test: From 5/15/60 To 5/22/60 * Date S.I.P. Measured 5/29/60
Meter Run Size 4.026" Orifice Size 1.000" Type Chart Sq. Rt. Type Taps Flg.

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) 478 psig + 12 = 490 psia (b)
Flowing meter pressure (Dwt) 477 psig + 12 = 489 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (7.00)² x spring constant 10 = 490 psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ Minus 1 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = 1 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.05)² x sp. const. 10 = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 496 psia (h)
_____ = 497 psia (i)
P_t = (h) + (f) _____
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 580 psig + 12 = 592 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 592 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = 524 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 296 psia (n)

$$Q = \frac{375}{(\text{integrated})} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{22.11}{22.14} = .9986} \right)^* = 374 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{374}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{262.9}{100.5} \right]^{.75} \cdot 2.057} = 769 \text{ MCF/da.}$$

SUMMARY

P_c = 592 psia
Q = 374 Mcf/day
P_w = 500 psia
P_d = 296 psia
D = 769 Mcf/day

Company Mobil Oil Company
By Max Beazley By M.C. Mc
Title Prod. Engr.
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3987	.252	12.362	3.115	247.009	250.124	500