

Initial Deliverability
Test

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 South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 4/21/58
Operator SKELLY OIL COMPANY Lease Jicarilla "C" Well No. 10
Unit _____ Sec. 22 Twp. 25N Rge. 5W Pay Zone: From 2802 To 2850
Casing: OD 5 1/2" WT. 14# Set At 3760 Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .684 Estimated _____
Date of Flow Test: From 2-21-58 To 2-28-58 * Date S.I.P. Measured 12-24-56
Meter Run Size 1" Orifice Size 1.500 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 (8.00)² x sp. const. 5.00 = 320 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 320 psia (i)
Wellhead casing shut-in pressure (Dwt) 775 psig + 12 = 787 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 787 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 393 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 542 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$.85 .8993 = .9138 = 495 MCF/da.

SUMMARY

P_c = 787 psia Company SKELLY OIL COMPANY
Q = 542 Mcf/day By Lee R. King
P_w = 320 psia Title Engineer
P_d = 393 psia Witnessed by _____
D = 495 Mcf/day 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		

