

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 RA
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed January 26, 1959
Operator Skelly Oil Company Lease L. L. McConnell Well No. 10
Unit H Sec. 29 Twp. 25N Rge. 3W Pay Zone: From 3796' To 3820'
Casing: OD 5 1/2 WT. 14# Set At 3923' Tubing: OD 2" WT. 4.70 T. Perf. 3815
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .669 Estimated _____
Date of Flow Test: From 12-30-58 To 1-7-59 * Date S.I.P. Measured 8-10-58
Meter Run Size: 4.0" Orifice Size 1.000" Type Chart SR 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 (7.45) ² x sp. const. 5.00 = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1037 psia (l)
Flowing Temp. (Meter Run) 43 °F + 460 _____ = 503 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 364 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{806,008}{995,845} = .8094 = .8355 = \text{_____ MCF/da.}$

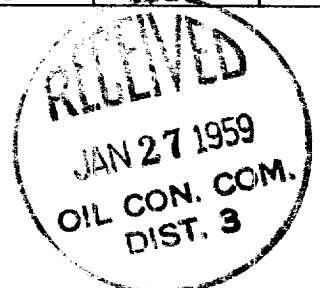
SUMMARY

P_c = 1037 psia Company Skelly Oil Company
Q = 364 Mcf/day By (Signed) P. E. Cosper P. E. Cosper
P_w = 282 psia Title District Superintendent
P_d = 519 psia Witnessed by _____
D = 304 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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
2552	.169	11.7	1.98	77.28	79.26	282



OK

