

Initial Deliverability
Test

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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 12-26-61

Operator ADCO OIL COMPANY Lease La Brea Well No. 1
Unit 2 Sec. 22 Twp. 31N Rge. 12W Pay Zone: From 6452 To 6530
Casing: OD 3-1/2 WT. 15.30 Set At 6412 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6458
Produced Through: Casing Tubing 2 Gas Gravity: Measured 705 Estimated
Date of Flow Test: From 12-1-61 To 12-9-61 * Date S.I.P. Measured 12-16-61
Meter Run Size Orifice Size Type Chart Type Taps

OBSERVED DATA

Flowing casing pressure (Dwt) 670 psig + 12 = 682 psia (a)
Flowing tubing pressure (Dwt) 571 psig + 12 = 583 psia (b)
Flowing meter pressure (Dwt) 500 psig + 12 = 512 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading 7.3 psig + 12 = 563 psia (d)
Square root chart reading (7.3)² x spring constant 10 = 563 psia (d)
Meter error (c) - (d) or (d) - (c) ± = 18 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 7.3 psig + 12 = 563 psia (g)
Square root chart average reading (7.3)² x sp. const. 10 = 563 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 581 psia (h)
P_t = (h) + (f) = 583 psia (i)
Wellhead casing shut-in pressure (Dwt) 1451 psig + 12 = 1463 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1436 psig + 12 = 1448 psia (k)
P_c = (j) or (k) whichever well flowed through = 1448 psia (l)
Flowing Temp. (Meter Run) °F + 460 = 72 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 724 psia (n)

Q = 620 X $\left(\frac{\sqrt{(c)} = \frac{581}{512} = 1.0136}{\sqrt{(d)} = \frac{581}{512}} \right) = \underline{620.7} MCF/day$

DELIVERABILITY CALCULATION

D = Q 620.7 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{.9240} = \underline{502}$

SUMMARY

P_c = 1448 psia
Q = 620.7 Mcf/day
P_w = 581.2 psia
P_d = 724 psia
D = 502 Mcf/day

Company ADCO OIL COMPANY
By A. T. Hinkel, Vice President
Title Executive Engineer
Witnessed by Adco Oil Company
Company Adco Oil Company

RECEIVED
JAN 3 1962

- * 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)		
4373	.283	33.99	9.62	130.9	340.32	591.2

