

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 BALLARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 10-3-56
Operator BENSON-MONTIN-GREEK Lease FOSTER-RIDDLE Well No. 2
Unit G Sec. 25 Twp. 26N Rge. 8W Pay Zone: From 2186 To 2285
Casing: OD 5-1/2" WT. 14# Set At 2194 Tubing: OD 1" WT. 1.7# T. Perf. 2256
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.675 Estimated _____
Date of Flow Test: From 8-31-56 To 9-8-56 * Date S.I.P. Measured 6-16-56
Meter Run Size 4" Orifice Size _____ 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 (6.90) ² x sp. const. 5 = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 238 psia (h)
P_t = (h) + (f) _____ = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 676 psig + 12 = 688 psia (j)
Wellhead tubing shut-in pressure (Dwt) 676 psig + 12 = 688 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 688 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 344 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 447 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 0.873 = 390 MCF/day.

SUMMARY

P_c = 688 psia
Q = 447 Mcf/day
P_w = 238 psia
P_d = 344 psia
D = 390 Mcf/day

Company BENSON-MONTIN-GREEK DRILLING CORP.
By [Signature]
Title Engineer
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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
			Friction negligible			



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REPORT OF THE SURVEY OF THE LANDS OF THE UNITED STATES
IN THE DISTRICT OF ARIZONA

THE SURVEY OF THE LANDS OF THE UNITED STATES IN THE DISTRICT OF ARIZONA, WAS COMPLETED ON THE 15TH DAY OF SEPTEMBER, 1907, BY THE SURVEYOR GENERAL, J. H. HARRIS, AND HIS ASSISTANTS, AND THE RESULTS THEREOF ARE HEREBY SUBMITTED TO THE BUREAU OF LAND MANAGEMENT, DEPARTMENT OF THE INTERIOR, WASHINGTON, D. C.

The survey of the lands of the United States in the District of Arizona, was conducted by the Surveyor General, J. H. Harris, and his assistants, and the results thereof are hereby submitted to the Bureau of Land Management, Department of the Interior, Washington, D. C.

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IN THE DISTRICT OF ARIZONA



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