

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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline E. L. Pano Natural Gas Date Test Filed _____

Operator Shar-Alan Oil Co. Lease Dick Hunt Federal Well No. 2
Unit H Sec. 1 Twp. 30 Rge. 14 Pay Zone: From 6166 To 6251
Casing: OD 5 1/2 WT. _____ Set At 6370 Tubing: OD 2-3/8 WT. _____ T. Perf. 6167
Produced Through: Casing _____ Tubing x Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured _____
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (7.10) ² x sp. const. 10 = 504 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 504 psia (h)
P_t = (h) + (f) = 504 psia (i)
Wellhead casing shut-in pressure (Dwt) 2100 psig + 12 = 2112 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2100 psig + 12 = 2112 psia (k)
P_c = (j) or (k) whichever well flowed through = 2112 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 1056 psia (n)

Q = 271 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{V(c)}}{\sqrt{V(d)}}} \right)^* = \text{_____ MCF/da}$
(Integrated)

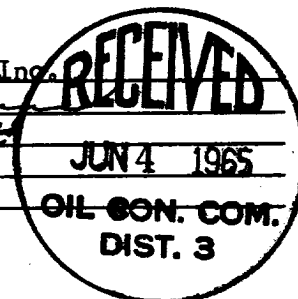
DELIVERABILITY CALCULATION

D = Q 271 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \cdot .7953 \cdot .8422 = \text{_____ MCF/da.}$
 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{3,345,408}{4,206,528}$

SUMMARY

P_c = 2112 psia
Q = 271 Mcf/day
P_w = 504 psia
P_d = 1056 psia
D = 228 Mcf/day

Company GeoElectric, Inc.
By [Signature]
Title Agent
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
			Negligible			

Average daily volume was arrived at by taking total production to date and diving by number of days produced. Unable to obtain required chart information due to continuous logging off.

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