

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 Astec Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 4-12-56
Operator Puhon Petroleum Corporation Lease State Well No. 26
Unit E Sec. 58 Twp. 36N Rge. 13W Pay Zone: From 2,542 To 2,452 MD
Casing: OD 8 1/2 WT. 15.214 Set At 2,522 MD Tubing: OD 1" WT. 1.7 T. Perf. 2,401 MD
Produced Through: Casing E Tubing _____ Gas Gravity: Measured .620 Estimated _____
Date of Flow Test: From 2-24-56 To 2-27-56 * Date S.I.P. Measured 12-10-55
Meter Run Size 4" Orifice Size 3/4 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 (7.23) ² x sp. const. 5 = 259 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 259 psia (h)
P_t = (h) + (f) = 259 psia (i)
Wellhead casing shut-in pressure (Dwt) 259 psig + 12 = 371 psia (j)
Wellhead tubing shut-in pressure (Dwt) 92 psig + 12 = 104 psia (k)
P_c = (j) or (k) whichever well flowed through = 371 psia (l)
Flowing Temp. (Meter Run) 85 °F + 460 = 545 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 185 psia (n)

FLOW RATE CALCULATION

Q = 151 (integrated) X $\left(\frac{V(c)}{V(d)} \right)^* = \underline{151}$ MCF/da

DELIVERABILITY CALCULATION

D = Q 151 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{137}$ MCF/da.
91036

SUMMARY

P_c = 371 psia
Q = 151 Mcf/day
P_w = 259 psia
P_d = 185 psia
D = 137 Mcf/day

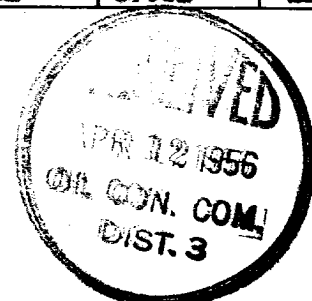
Company Puhon Petroleum Corporation
By H. B. Munnell, Jr. D. E. Marwell TM
Title Mgr. Prod. Dept.
Witnessed by _____
Company _____

* 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
<u>1539</u>	<u>.106</u>	<u>negligible</u>	<u>negligible</u>	<u>67081</u>	<u>67081</u>	<u>259</u>

OK



OIL CONSERVATION COMMISSION

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