

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19

WELL NAME	EL PASO NATURAL GAS CO.
WELL NO.	113
FORMATION	NAKOTA
FA	FA

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PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	0	(f) Corrected Meter Pressure (g-g)	451
(b) Flowing Tubing Pressure (DWI)	0	(g) Avg. Wellhead Pressure, $P_w = (h + i)$	451
(c) Flowing Meter Pressure (DWI)	0	(h) Shut-in Casing Pressure (DWI)	3584
(d) Flowing Meter Pressure (DWI)	0	(i) Shut-in Tubing Pressure (DWI)	3539
(e) Meter Error (Item c - Item d)	0	(j) P_w higher value of (f) or (g)	3539
(f) Casing Loss (a-c) or (b-c)	0	(k) P_w Del. Pressure	1350

FLOW RATE CORRECTION (METER ERROR)

Integrated Values - MCF/D	113
Quotient of Item c / Item d	1.0000
$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	1.0000
Correction Factor	113

WORKING PRESSURE CALCULATION

$(1 - e^{-2}) (F_c D_m^2) (1000)$	351.52
$R_2 = (1 - e^{-2}) (F_c D_m^2) (1000)$	11085
F_2^2	303401
$P_w^2 = P_1^2 + R_2^2$	314489
$P_w = \sqrt{P_w^2}$	561

DELIVERABILITY CALCULATION

$Q = C \left[\frac{P_1^2 - P_2^2}{P_1^2 + P_2^2} \right]^n$	113
$\left(\frac{P_1^2 - P_2^2}{P_1^2 + P_2^2} \right)$	0.7853
$\left(\frac{P_1^2 - P_2^2}{P_1^2 + P_2^2} \right)^n$	0.8341
Q	250

REMARKS: New Well lat del. Aug. 14, 1969

SUMMARY

Item	Value
h	451
P ₁	3539
P ₂	113
MCF/D	113
P _w	561
P ₁	3539
P ₂	113
MCF/D	113

EL PASO NATURAL GAS CO.

Company
By
Title
Witnessed By
Company

