

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
Revised 1-1-68

WELL NAME Fallard	WELL BLOCK n = .85	FORMATION PC	COUNTY SJ
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87-258

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER McConnell No. 7	
WELL ID #	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE
C	25	26	9	EPNG
CASING I.D. - INCHES 2.375	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2132	PLEING I.D. - INCHES no tubing	TUBING I.D. - INCHES
GAS PAY ZONE FROM 2018 TO 2048			WELL PRODUCING THRU CASING XXX TUBING	
DATE OF FLOW TEST FROM 8-2-71 TO 8-10-71			DATE SHUT-IN PRESSURE MEASURED 5-27-71	
GAS GRAVITY .673			GRAVITY X LENGTH 1358	

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
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(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_f = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) $P = \text{higher value of (j) or (k)}$	(m) Del. Pressure $P_d = \frac{80}{230} \%$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
130	130	288	---	288	230	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
218	1.0000	1.0000	218 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.094	$(F_c Q_m)^2 (1000)$ 1464	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 138	P_i^2 16900	$P_w^2 = P_i^2 + R^2$ 17038	$P_w = \sqrt{P_w^2}$ 131
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{218}{\left[\frac{30044}{65906} \right]^n} = \frac{.4559}{.5129} = \frac{112}{\text{MCF/D}}$$

REMARKS:

First del. 7-2-71

SUMMARY

Item h	130	Psia
P _c	288	Psia
Q	218	MCF/D
P _w	131	Psia
P _d	230	Psia
D	112	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **H. E. McAnally**

Title

Witnessed By

Company

RECEIVED
AUG 26 1971

OIL CON. COM.
DIST. 3