

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
 Revised 1-1-68

POOL NAME Undesignated	POOL SLOPE n = .85	FORMATION PC	COUNTY
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87223

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Hubbard No. 3		
UNIT LETTER P	SECTION 30	TOWNSHIP 32	RANGE 11	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3296	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2164 TO 3240		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .652	GRAVITY X LENGTH 2063
DATE OF FLOW TEST FROM 1-26-71 TO 2-3-71			DATE SHUT-IN PRESSURE MEASURED 10-20-70		

PRESSURE DATA - ALL PRESSURES IN PSIA

(e) 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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 342
(h) Corrected Meter Pressure (g+e) 342	(j) Avg. Wellhead Press. $P_f = (h+f)$ 342	(i) Shut-in Casing Pressure (DWt) 1005	(k) Shut-in Tubing Pressure (DWt) -	(l) P_s = higher value of (i) or (k) 1005	(m) Del. Pressure $P_d = \frac{80}{804} \% P_s$ 804	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 162	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 162 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ friction neg.	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 342
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 162	$\left(\frac{363609}{893061} \right)^n =$.4071	$=$.4659	$=$ 75 MCF/D
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REMARKS:

New well, 1st del. 12-31-70.

SUMMARY

Item h **342** Psia
 P_c **1005** Psia
 Q **162** MCF/D
 P_w **342** Psia
 P_d **804** Psia
 D **75** MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **R. L. Fickler**

Title

Witnessed By

Company



