

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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87-013

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Grambling No. 7		
UNIT LETTER A	SECTION 27	TOWNSHIP 29	RANGE 9	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2411	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2250 TO 2272		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1481
DATE OF FLOW TEST FROM 7-9-69 TO 7-17-69			DATE SHUT-IN PRESSURE MEASURED 5-8-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 221	(b) Flowing Tubing Pressure (DWt) 221	(c) Flowing Meter Pressure (DWt) 891	(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.) 221
(h) Corrected Meter Pressure (g+e) 221	(i) Avg. Wellhead Press. $P_i = (h+f)$ 221	(j) Shut-in Casing Pressure (DWt) 891	(k) Shut-in Tubing Pressure (DWt)	(l) $P =$ higher value of (j) or (k) 891	(m) Del. Pressure $P_d = \frac{80}{713} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 624	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 624 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ 0.102	$(F_c Q_m)^2 (1000)$ 11998	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 1224	P_i^2 48841	$P_w^2 = P_i^2 + R^2$ 50065	$P_w = \sqrt{P_w^2}$ 224
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 624$	$\left[\frac{285512}{743816} \right]^n = 0.3838$	$= 0.4431$	$= 276 \text{ MCF/D}$
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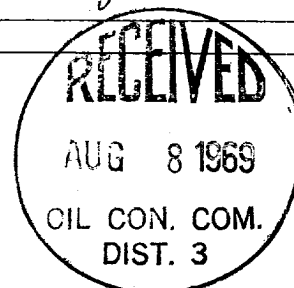
REMARKS:

New well 1st. del. June 13, 1969

SUMMARY

Item h 221 Psia
P_c 891 Psia
Q 624 MCF/D
P_w 224 Psia
P_d 713 Psia
D 276 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. E. McAnally H. E. McAnally
Title Well Test Engineer
Witnessed By
Company



Handwritten signature/initials

