

Deliver.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Ballard	POOL SLOPE n = .85	FORMATION PC	COUNTY RA
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Canyon Largo Unit No. 158		
UNIT LETTER J	SECTION 1	TOWNSHIP 24	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2321	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2232 TO 2272		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1469
DATE OF FLOW TEST FROM 4-24-70 TO 5-2-70			DATE SHUT-IN PRESSURE MEASURED 3-13-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 166
(h) Corrected Meter Pressure (g+e) 166	(i) Avg. Wellhead Press. $P_t = (h+f)$ 166	(j) Shut-in Casing Pressure (DWt) 163	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (j) or (k) 663	(m) Del. Pressure $P_d =$ 80 % P_c 530	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 118	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 118 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	$P_w^2 = P_t^2 + R^2$ use pt2	$P_w = \sqrt{P_w^2}$ 166
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	118	$\left[\frac{158669}{412013} \right]^n =$	$(.3851)^n =$	.4444	= 52 MCF/D
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REMARKS:

New well, 1st del. 4-9-70.

SUMMARY

Item h 166 Psia
P_c 663 Psia
Q 118 MCF/D
P_w 166 Psia
P_d 530 Psia
D 52 MCF/D

Company _____
By B. E. Stauffer
Title _____
Witnessed By _____
Company _____

