

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1969

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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86-587

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER San Juan 28-6 Unit No. 144		
UNIT LETTER N	SECTION 17	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.012	SET AT DEPTH - FEET 7934	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7658
GAS PAY ZONE FROM 7683 TO 7888		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .585	GRAVITY X LENGTH 4480
DATE OF FLOW TEST FROM 1-5-69 TO 1-13-69			DATE SHUT-IN PRESSURE MEASURED 10-23-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 2728	(d) Flow Chart Static Reading 2721	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 483
(h) Corrected Meter Pressure (g+e) 483	(i) Avg. Wellhead Press. $P_f = (h+f)$ 483	(j) Shut-in Casing Pressure (DWt) 2728	(k) Shut-in Tubing Pressure (DWt) 2721	(l) $P_c =$ higher value of (i) or (k) 2728	(m) Del. Pressure $P_d = \frac{50}{1364} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

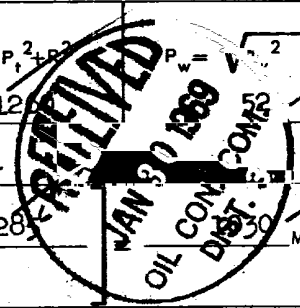
Integrated Volume - MCF/D 1243	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 1243$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-3})$.278	$(F_c Q_m)^2 (1000)$ 136586	$R^2 = (1-e^{-3}) (F_c Q_m)^2 (1000)$ 37971	P_f^2 233289	$P_w^2 = P_c^2 + R^2$ 2712
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1243$	$\left(\frac{5581488}{7170724} \right)^n = .7785$	$.828$	MCF/D
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REMARKS:

New well first delivered 12-7-68

SUMMARY

Item h	483	Psia
P_c	2728	Psia
Q	1243	MCF/D
P_w	521	Psia
P_d	1364	Psia
D	1030	MCF/D

OK

Company: EL PASO NATURAL GAS COMPANY
 Title: H. I. Kendrick
 Title: Regional Well Test Engineer
 Witnessed By: _____
 Company: _____