

Deliver

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

Form 0122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER San Juan 28-6 Unit No. 143		
UNIT LETTER K	SECTION 20	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7855	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7569
GAS PAY ZONE FROM 7596 TO 7798		WELL PRODUCING THRU CASING TUBING xx		GAS GRAVITY .599	GRAVITY X LENGTH 4534
DATE OF FLOW TEST FROM 3-02-69 TO 3-10-69			DATE SHUT-IN PRESSURE MEASURED 11-19-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 490	(b) Flowing Tubing Pressure (DWt) 490	(c) Flowing Meter Pressure (DWt) 2738	(d) Flow Chart Static Reading 2742	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g+e) 490	(i) Avg. Wellhead Press. $P_i = (h+f)$ 490	(j) Shut-in Casing Pressure (DWt) 2738	(k) Shut-in Tubing Pressure (DWt) 2742	(l) $P_{\text{sh}} = \text{higher value of (i) or (k)}$ 2742	(m) Del. Pressure $P_d = \frac{50}{1371} \% P_i$ 1371	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1184	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1184 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.281	$(F_c Q_m)^2 (1000)$ 123921	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 34822	P_t^2 240100	$P_w^2 = P_t^2 + R^2$ 274922	$P_w = \sqrt{P_w^2}$ 524
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1184	$\left[\frac{5638923}{7243642} \right]^n =$	$(0.7784)^n =$	0.8286	$=$	981 MCF/D
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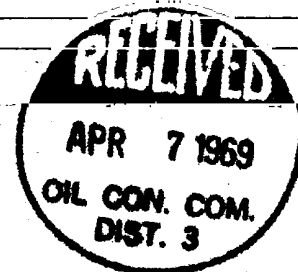
REMARKS:

New well first delivered 2-06-69

SUMMARY

Item h **490** Psia
 P_c **2742** Psia
 Q **1184** MCF/D
 P_w **524** Psia
 P_d **1371** Psia
 D **981** MCF/D

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



RECEIVED

APR 7 1968

JOHN COLEMAN
DIST 3