

Delivered by 1-1-69

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

Form CI22-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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75-918

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 28-6 Unit No. 145		
UNIT LETTER H	SECTION 19	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 7880	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7613
GAS PAY ZONE FROM 7634 TO 7835		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .601	GRAVITY X LENGTH 4575
DATE OF FLOW TEST FROM 1-5-69 TO 1-13-69			DATE SHUT-IN PRESSURE MEASURED 11-13-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 2701	(d) Flow Chart Static Reading 2692	(e) Meter Error (Item c - Item d) 2701	(f) Friction Loss (a-c) or (b-c) 1351	(g) Average Meter Pressure (Integr.) 483
(h) Corrected Meter Pressure (g+e) 483	(i) Avg. Wellhead Press. $P_f = (h+i)$ 483	(j) Shut-in Casing Pressure (DWt) 2701	(k) Shut-in Tubing Pressure (DWt) 2692	(l) P_c = higher value of (i) or (k) 2701	(m) Del. Pressure $P_d = \frac{50}{1351} \% P_c$ 50	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 934	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 934 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.283	$(F_c Q_m)^2 (1000)$ 77106	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 21821	P_f^2 233289	$P_w^2 = P_f^2 + R^2$ 255110	$P_w = \sqrt{P_w^2}$ 505
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 934	$\left(\frac{5470200}{7040291} \right)^n$.7769	$\left(\frac{5470200}{7040291} \right)^m$.8	MCF/D
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REMARKS:

New Well First Delivered 12-13-68

SUMMARY

Item h	483	Psia
P _c	2701	Psia
Q	934	MCF/D
P _w	505	Psia
P _d	1351	Psia
D	773	MCF/D

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



