

2/11/2020

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-62

WELL NAME Basin	DATE TESTED Aug 75	WELL NO. T-1000	TO CITY San Juan
COMPANY El Paso Natural Gas Company		WELL NAME AND NUMBER Inerfano Unit No. 218	
UNIT LETTER D	SECTION 29	TOWNSHIP 26	RANGE 10
Casing O.D. - INCHES 4.500		Flowing Casing Pressure (DWt) 6522	
Casing Depth - FEET 6366		Flowing Tubing Pressure (DWt) 6522	
Casing Perforations 7-5-71		Flowing Meter Pressure (DWt) 1749	
Casing Perforations 7-5-71		Flowing Tubing Pressure (DWt) 1501	
Casing Perforations 7-5-71		Flowing Meter Pressure (DWt) 1749	
Casing Perforations 7-5-71		Flowing Tubing Pressure (DWt) 1501	

87-247

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
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(h) Corrected Meter Pressure (g-c)	(i) Shut-In Casing Pressure (DWt)	(j) Shut-In Tubing Pressure (DWt)	(k) Shut-In Meter Pressure (DWt)	(l) P_m higher value of (i) or (j)	(m) Del. Pressure $P_d = 875 - 50$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
312	312	1749	1501	1749	875	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of Item c / Item d	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
1194	1.0000	1.0000	1194

WORKING PRESSURE CALCULATION

$(1-e^{-5})$ 0.282	$(F_c Q_m)^2 (1000)$ 126023	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 35538	P_c^2 97344	$P_w^2 = P_c^2 + R^2$ 132382	$P_w = \sqrt{P_w^2}$ 365
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	1194	$\left(\frac{2293376}{1194^2} \right)^n$	$\left(\frac{0.7837}{0.282} \right)^n$	0.8330	995 MCF/D
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REMARKS: New Well first delivered June 10, 1971

SUMMARY

Item h 312 Psia
P_c 1749 Psia
Q 1194 MCF/D
P_w 365 Psia
P_d 875 Psia
D 995 MCF/D

Company EL PASO NATURAL GAS COMPANY
By [Signature]
Title
Witnessed By
Company

