

Delivered

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

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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86-585

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 142		
UNIT LETTER L	SECTION 21	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7775	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7506
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .594	GRAVITY X LENGTH 4459
FROM 7540	TO 7727	CASING	TUBING XX	DATE SHUT-IN PRESSURE MEASURED	
DATE OF FLOW TEST FROM 12-14-68 TO 12-22-68			DATE SHUT-IN PRESSURE MEASURED 10-10-68		

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.)
				0	0	476
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_i = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (i) or (k)	(m) Del. Pressure $P_d = \frac{50}{1356} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
476	476	2711	2709	2711		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
1122	1.0000	1.0000	$Q =$ 1122 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-S})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-S}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$
.277	111281	30825	226576	257401	507

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1122	$\left(\frac{5510785}{7092120} \right)^n =$	$(.7770)^n =$	$.8275$	$=$ 928 MCF/D
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REMARKS:

New Well First Delivered 11-14-68.

SUMMARY

Item h	476	Psia
P_c	2711	Psia
Q	1122	MCF/D
P_w	507	Psia
P_d	1356	Psia
D	928	MCF/D

OK

Company **EL PASO NATURAL GAS COMPANY**
 By **Dr. Frederick**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____



