

Deliver:

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

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n = .75	Mesa Verde	Rio Arriba

86-418

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			San Juan 29-6 Unit No. 31		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
M	10	29	6	El Paso Natural Gas	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
2.875	2.441	5808	1.660	1.380	5753
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5292 TO 5742		CASING TUBING xx		.681	3918
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 1-2-68 TO 1-10-68			9-27-68		

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	436
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_t = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{618} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
436	436	772	-	772		

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
432	1.0000	1.0000	q = 432 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_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.248	113124	28055	190096	218151	467

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	432	$\left(\frac{214060}{377833} \right)^n =$	$(.5665)^n =$	.6528	= 282 MCF/D
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REMARKS:

Installed 1 1/4" tubing 12-20-68

SUMMARY

Item h	436	Psia
P _c	772	Psia
Q	432	MCF/D
P _w	467	Psia
P _d	618	Psia
D	282	MCF/D

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

