

Initial Deliverability

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

Form O-120-A
Revised 1-1-68

WELL NAME	WELL DEPTH	FORMATION	COUNTY
Mingo	275	MF	San Juan

COMPANY		WELL NAME AND NUMBER			
El Paso Natural Gas Company		San Juan 32-9 Unit No. 19			
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING OFFICER	
H	17	31	9	El Paso Natural Gas Co.	
TEST DATE	START TIME	STOP TIME	TEST DURATION	TEST PRESSURE	TEST TEMPERATURE
4-30-71	4:05E	6:05	2:375	1.995	5925
WELL NO.	WELL TYPE	CASING	TEST PRESSURE	TEST TEMPERATURE	TEST PRESSURE
3460	2007		0.644		3861
DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST
10-28-71	10-30-71		9-7-71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(e) Flowing Casing Pressure (Psia)	(f) Flowing Tubing Pressure (Psia)	(g) Flowing Meter Pressure (Psia)	(h) Flow Choke Static Reading	(i) Meter Error (Item c - Item d)	(j) Friction Loss (Item c or f)	(k) Average Meter Pressure (Psia)
				0	0	357
(l) Corrected Meter Pressure (Psia)	(m) Actual Wellhead Pressure (Psia)	(n) Shut-in Casing Pressure (Psia)	(o) Shut-in Tubing Pressure (Psia)	(p) P _c - higher value of (j) or (k)	(q) Del. Pressure (Psia)	(r) Separator or Dehydrator Pr. (Psia) for critical flow only
397	397	769	696	769	P _c = 80 615	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Gradient of Item 1	Item 2 / Item 1	Corrected Volume
779	1.0000	1.0000	Q = 779 MCF/D

WORKING PRESSURE CALCULATION

(1 - e ^{-5Q})	(P _c Q _n) ² / 0.0001	(1 - e ^{-5Q}) ² (P _c Q _n) ² / 0.0001	P _i ²	P _w ² = P _i ² + R ²	P _w = √P _w ²
0.245	53643	13143	127449	140592	375

DELIVERABILITY CALCULATION

D = Q [$\frac{P_i^2 - P_w^2}{P_c^2 - P_w^2} $] ⁿ	779	($\frac{215136}{450769} $) ⁿ	(0.4728) ⁿ	0.5702	444 MCF/D
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REMARKS: ONWO Re-First Del 9-24-71

SUMMARY

Item h	357	Psia
P _c	769	Psia
Q	779	MCF/D
P _w	375	Psia
P _d	615	Psia
D	444	MCF/D

Company EL PASO NATURAL GAS COMPANY
By _____
Title _____
Witnessed By _____
Company _____

