

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION **WELL DELIVERABILITY TEST REPORT FOR 19 70**

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE $n = .75$	FORMATION MV	COUNTY SJ
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71-620

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 32-9 Unit No. 38		
UNIT LETTER #B	SECTION 35	TOWNSHIP 32	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5483	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5420
GAS PAY ZONE FROM 4880 TO 5420		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .635	GRAVITY X LENGTH 3442
DATE OF FLOW TEST FROM 8-5-70 TO 8-13-70			DATE SHUT-IN PRESSURE MEASURED 6-30-69		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 400
(h) Corrected Meter Pressure (g+e) 400	(i) Avg. Wellhead Press. $P_i = (h+f)$ 400	(j) Shut-in Casing Pressure (DWt) 653	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_s =$ higher value of (i) or (k) 653	(m) Del. Pressure $P_d =$ 80 % P_s 522	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 809	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 809 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.221	$(F_c Q_m)^2 (1000)$ 57854	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 12786	P_i^2 160000	$P_w^2 = P_i^2 + R^2$ 172786	$P_w = \sqrt{P_w^2}$ 416
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	809	$\left[\frac{153925}{253623} \right]^n =$	$\left[.6069 \right]^n =$	.6876	$=$ 556 MCF/D
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REMARKS: **Pulled tubing, re 1st del. 6-12-70**

SUMMARY

Item h **400** Psia
 P_c **653** Psia
 Q **809** MCF/D
 P_w **416** Psia
 P_d **522** Psia
 D **556** MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **D. E. McNally**
 Title _____
 Witnessed By _____
 Company _____

