

Initial
Deliverability 7c

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

Form C122-A
Revised 1-1-65

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION MV	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 76		
UNIT LETTER H	SECTION 24	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6134	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6067
GAS PAY ZONE FROM 5444 TO 6090		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .657	GRAVITY X LENGTH 3986
DATE OF FLOW TEST FROM 9-4-71 TO 9-12-71			DATE SHUT-IN PRESSURE MEASURED 7-15-71		

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.) 410
(h) Corrected Meter Pressure (g+e) 410	(i) Avg. Wellhead Press. $P_i = (h+f)$ 410	(j) Shut-in Casing Pressure (DWt) 722	(k) Shut-in Tubing Pressure (DWt) 549	(l) P_c = higher value of (j) or (k) 722	(m) Del. Pressure $P_d = \frac{80}{578} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 957	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 957 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.252	$(F_c Q_m)^2 (1000)$ 80959	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 20402	P_i^2 168100	$P_w^2 = P_i^2 + R^2$ 188502	$P_w = \sqrt{P_w^2}$ 434
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\frac{957}{\left[\frac{187200}{332782} \right]^n = \left[0.5625 \right]^n = 0.6496} =$	622 MCF/D
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REMARKS: OWWO Re-1st del. 8-5-71

SUMMARY

Item h 410 Psia
P_c 722 Psia
Q 957 MCF/D
P_w 434 Psia
P_d 578 Psia
D 622 MCF/D

Company EL PASO NATURAL GAS COMPANY

By

Witnessed By

Company

