

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

Form C122-A
 Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY Rio Arriba
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70-182

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 91		
UNIT LETTER A	SECTION 28	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES	SET AT DEPTH - FEET 5415	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 5628
GAS PAY ZONE FROM 5480 TO 6214		WELL PRODUCING THRU CASING TUBING xx		GAS GRAVITY .668	GRAVITY X LENGTH 3760 ✓
DATE OF FLOW TEST FROM 1-1-69 TO 1-9-69			DATE SHUT-IN PRESSURE MEASURED 4-19-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 443	(b) Flowing Tubing Pressure (DWt) 443	(c) Flowing Meter Pressure (DWt) 610	(d) Flow Chart Static Reading -	(e) Meter Error (Item c - Item d) 610 ✓	(f) Friction Loss (a-c) or (b-c) 488 ✓	(g) Average Meter Pressure (Integr.) 443
(h) Corrected Meter Pressure (g+e) 443	(i) Avg. Wellhead Press. $P_t = (h+f)$ 443	(j) Shut-in Casing Pressure (DWt) 610	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 610 ✓	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ 488 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 262	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 262 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.239	$(F_c Q_m)^2 (1000)$ 41603	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 9943	P_t^2 196249	$P_w^2 = P_t^2 + R^2$ 206192 ✓	$P_w = \sqrt{P_w^2}$ 454
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{262}{1} \left[\frac{133956}{165908} \right]^n \left[\frac{.8074}{.8516} \right]^n = 223 \text{ MCF/D}$$

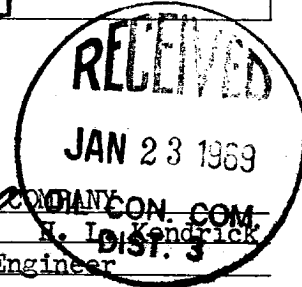
REMARKS:

Installed 1 1/4" tubing 12-19-68

SUMMARY

Item h **443** Psia
 P_c **610** Psia
 Q **262** MCF/D
 P_w **454** Psia
 P_d **488** Psia
 D **223** MCF/D

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



NOT 100%

