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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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87-201

COMPANY El Paso Natural Gas Co			WELL NAME AND NUMBER San Juan 30-6 Unit No. 65 Y		
UNIT LETTER L	SECTION 13	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5705	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5647
GAS PAY ZONE FROM 5068 TO 5660		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .640	GRAVITY X LENGTH 3614
DATE OF FLOW TEST FROM 12-22-70 TO 12-30-70			DATE SHUT-IN PRESSURE MEASURED 9-8-70		

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	362
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_i = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_e = higher value of (i) or (k)	(m) Del. Pressure $P_d = \frac{80}{695} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
362 ✓	362 ✓	869	477	869 ✓	695 ✓	

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
1764	1.0000	1.0000	Q = 1764 ✓ MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.231 ✓	$(F_c Q_m)^2 (1000)$ 275066	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 63540 ✓	P_i^2 131044 ✓	$P_w^2 = P_i^2 + R^2$ 194584 ✓	$P_w = \sqrt{P_w^2}$ 441 ✓
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1764}{\left[\frac{272136}{560577} \right]^n} = \frac{1764}{(.4854)^n} = \frac{1764}{.5816} = 1026 \text{ MCF/D}$$

REMARKS:

New well, 1st del. 11-26-70.

SUMMARY

Item h 362 Psia
 P_c 869 Psia
 Q 1764 MCF/D
 P_w 441 Psia
 P_d 695 Psia
 D 1026 MCF/D

Company EL PASO NATURAL GAS COMPANYBy H. E. McAnally

Title _____

Witnessed By _____

Company _____

