

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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70-043

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Riddle "A" No. 1		
UNIT LETTER G	SECTION 15	TOWNSHIP 30	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5507	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4845
GAS PAY ZONE FROM 4906 TO 5464		WELL PRODUCING THRU CASING TUBING xx		GAS GRAVITY .670	GRAVITY X LENGTH 3246
DATE OF FLOW TEST FROM 1-12-70 TO 1-20-70			DATE SHUT-IN PRESSURE MEASURED 8-4-69		

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.) 410
(h) Corrected Meter Pressure (g+e) 410	(i) Avg. Wellhead Press. $P_i = (h+f)$ 410	(j) Shut-in Casing Pressure (DWt) 701	(k) Shut-in Tubing Pressure (DWt) 698	(l) P_c = higher value of (j) or (k) 701	(m) Del. Pressure $P_d =$ 80 % P_c 561	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1879	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 1879 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.210	$(F_c Q_m)^2 (1000)$ 312098	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 65541	P_t^2 168100	$P_w^2 = P_t^2 + R^2$ 233641	$P_w = \sqrt{P_w^2}$ 483
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1879	$\left[\frac{176680}{257760} \right]^n =$.6854	$=$.7534	$=$ 1416 MCF/D
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REMARKS: **OWWO**

SUMMARY

Item h **410** Psia
P_c **701** Psia
Q **1879** MCF/D
P_w **483** Psia
P_d **561** Psia
D **1416** MCF/D

Company **El Paso Natural Gas Co.**
By **H. E. M. Anderson**
Title
Witnessed By
Company

