

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
----------------------------	------------------------------	------------------------	---------------------

87-130

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Hardie "A" No. 2-Y		
UNIT LETTER K	SECTION 24	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5516	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5470
GAS PAY ZONE FROM 4680 TO 5456		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .689	GRAVITY X LENGTH 3769
DATE OF FLOW TEST FROM 2-23-70 TO 3-3-70			DATE SHUT-IN PRESSURE MEASURED 1-2-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 428
(h) Corrected Meter Pressure (g+e) 428	(i) Avg. Wellhead Press. $P_i = (h+f)$ 428	(j) Shut-in Casing Pressure (DWt) 920	(k) Shut-in Tubing Pressure (DWt) 920	(l) $P_c =$ higher value of (i) or (k) 920	(m) Del. Pressure $P_d =$ 80 % P_c 736	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1613	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1613 MCF/D
--	--	---	---

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.240	$(F_c Q_m)^2 (1000)$ 229990	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 55198	P_i^2 183184	$P_w^2 = P_i^2 + R^2$ 238382	$P_w = \sqrt{P_w^2}$ 488
-----------------------------	---------------------------------------	---	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1613	$\left[\frac{304704}{608018} \right]^n =$.5011	$=$.5956	$=$ 961 MCF/D
---	--	---------------------	-------------------------

REMARKS:

SUMMARY

Item h	428	Psia
P_c	920	Psia
Q	1613	MCF/D
P_w	488	Psia
P_d	736	Psia
D	961	MCF/D

Company **El Paso Natural Gas**
 By **R. E. Stauffer**
 Title **OIL CON. COM.**
 Witnessed By
 Company **DIST. 3**

