

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = .75	FORMATION MY	COUNTY RA
----------------------------	------------------------------	------------------------	---------------------

75-827

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER HARVEY A #3		
UNIT LETTER 0	SECTION 32	TOWNSHIP 27	RANGE 7	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 7436	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5116
GAS PAY ZONE FROM 5123 TO 5274		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.658	GRAVITY X LENGTH 3366
DATE OF FLOW TEST FROM 09/12/68 TO 09/20/68			DATE SHUT-IN PRESSURE MEASURED 06/10/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 443
(h) Corrected Meter Pressure (g+e) 443	(i) Avg. Wellhead Press. $P_i = (h+f)$ 443	(j) Shut-in Casing Pressure (DWt) 1056	(k) Shut-in Tubing Pressure (DWt) 1037	(l) P_c = higher value of (j) or (k) 1056	(m) Del. Pressure $P_d = 80\% P_c$ 845	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 359	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 359 MCF/D
---	--	---	--

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.217	$(F_c Q_m)^2 (1000)$ 11,391	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2472	P_i^2 196249	$P_w^2 = P_i^2 + R^2$ 198721	$P_w = \sqrt{P_w^2}$ 446
-----------------------------	---------------------------------------	--	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	359	$\left[\frac{401111}{916415} \right]^n =$	$(0.4376)^n =$	0.5380	$=$	193 MCF/D
--	------------	--	----------------	---------------	-----	------------------

REMARKS: New Well First Delivered 8-15-68.

SUMMARY

Item h **443** Psia
 P_c **1056** Psia
 Q_c **359** MCF/D
 P_w **446** Psia
 P_d **845** Psia
 D **193** MCF/D

Company **EL PASO NATURAL GAS CO**By *[Signature]*

Title

Witnessed By

Company

