

Initial Deliverability

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 MV	COUNTY SJ
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70-578

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER HUGHES A #6		
UNIT LETTER N	SECTION 33	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5176	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5077
GAS PAY ZONE FROM 4506 TO 5142		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.690	GRAVITY X LENGTH 3503
DATE OF FLOW TEST FROM 02/10/68 TO 02/18/68			DATE SHUT-IN PRESSURE MEASURED 03/10/67		

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.) 511
(h) Corrected Meter Pressure (g+e) 511	(i) Avg. Wellhead Press. P _w = (h+f) 511	(j) Shut-in Casing Pressure (DWt) 764	(k) Shut-in Tubing Pressure (DWt) 751	(l) P _c = higher value of (j) or (k) 764	(m) Del. Pressure P _d = 80 % P _c 611	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 472	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 472 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.225	$(F_c Q_m)^2 (1000)$ 19,696	$\frac{R^2}{(1-e^{-s}) (F_c Q_m)^2 (1000)}$ 4432	P_t^2 261121	$P_w^2 = P_t^2 + R^2$ 265553	$P_w = \sqrt{P_w^2}$ 515
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	472	$\left(\frac{210375}{318143} \right)^n =$	$\left(0.6612 \right)^n =$	0.7332	$=$	346 MCF/D
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REMARKS:

Installed Piston Inst. Turned back on Production 1-22-68.

SUMMARY

Item h	511	Psia
P _c	764	Psia
Q	472	MCF/D
P _w	515	Psia
P _d	611	Psia
D	346	MCF/D

Company **EL PASO NATURAL GAS CO**
By **Original Signed H. L. Kendrick**
Title _____
Checked By _____
Company _____



Original signed by M. E. ...

