

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY SJ
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87-157

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Huerfano Unit No. 200		
UNIT LETTER 0	SECTION 6	TOWNSHIP 26	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7011	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6955
GAS PAY ZONE FROM 6762 TO 6948		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .688	GRAVITY X LENGTH 4785
DATE OF FLOW TEST FROM 7-27-70 TO 8-4-70			DATE SHUT-IN PRESSURE MEASURED 6-2-70		

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) -	(f) Friction Loss (a-c) or (b-c) -	(g) Average Meter Pressure (Integr.) 370
(h) Corrected Meter Pressure (g+e) 370	(i) Avg. Wellhead Press. $P_i = (h+f)$ 370	(j) Shut-in Casing Pressure (DWt) 1804	(k) Shut-in Tubing Pressure (DWt) 1723	(l) P_c = higher value of (j) or (k) 1804	(m) Del. Pressure $P_d = 50$ 902	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 432	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 432 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.294	$(F_c Q_m)^2 (1000)$ 16497	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 4850	P_i^2 136900	$P_w^2 = P_i^2 + R^2$ 141750	$P_w = \sqrt{P_w^2}$ 376
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	432	$\left[\frac{2440812}{3112666} \right]^n =$	$(.7841)^n =$	.8332	= 360 MCF/D
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REMARKS:

New Well, 1st del. June 25, 1970.

SUMMARY

Item h 370 Psia
P_c 1804 Psia
Q 432 MCF/D
P_w 376 Psia
P_d 902 Psia
D 360 MCF/D

Company EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company



