

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69Form C122-A
Revised 1-1-68

POOL NAME BASIN	POOL SLOPE $n = .75$	FORMATION DAKOTA	COUNTY SJ
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COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER HUERFANO UNIT #186		
UNIT LETTER F	SECTION 31	TOWNSHIP 27	RANGE 2	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5925	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.399	TOP - TUBING PERF. - FEET 575
GAS PAY ZONE FROM 6600 TO 6794		WELL PRODUCING THRU CASING A TUBING A		GAS GRAVITY 0.670	GRAVITY X LENGTH 460
DATE OF FLOW TEST FROM 10/02/69 TO 10/10/69			DATE SHUT-IN PRESSURE MEASURED 08/14/69		

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.) 411
(h) Corrected Meter Pressure (g+e) 411	(i) Avg. Wellhead Press. $P_f = (h+f)$ 411	(j) Shut-in Casing Pressure (DWt) 1994	(k) Shut-in Tubing Pressure (DWt) 1844	(l) $P_c =$ higher value of (j) or (k) 1994	(m) Del. Pressure $P_d =$ 50 % P_c 107	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 622	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 622 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.285	$(F_c Q_m)^2 (1000)$ 34,199	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 9747	P_t^2 168921	$P_w^2 = P_t^2 + R^2$ 178668	$P_w = \sqrt{P_w^2}$ 423
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	622	$\left[\frac{296207}{379768} \right]^n =$	$(0.7852)^n =$	0.8341	$=$	519 MCF/D
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REMARKS:

New Well 1st Delivery Sept. 11, 1969.

SUMMARY

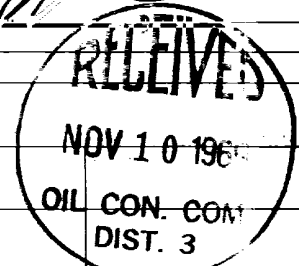
Item h **411** Psia
 P_c **1994** Psia
 Q **622** MCF/D
 P_w **423** Psia
 P_d **997** Psia
 D **519** MCF/D

Company **EL PASO NATURAL GAS CO**By **R.E. Stanger**

Title

Witnessed By

Company



10/10/10

MEMORANDUM FOR THE RECORD

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