

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 74

Form C122-A
 Revised 1-1-66

POOL NAME Undes. Chacra	POOL SLOPE n= 75	FORMATION Chacra	COUNTY San Juan
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COMPANY Wynn Oil Company			WELL NAME AND NUMBER Largo Federal #4		
UNIT LETTER F	SECTION 11	TOWNSHIP 27N	RANGE 8W	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4½	CASING I.D. - INCHES	SET AT DEPTH - FEET 3960	TUBING O.D. - INCHES 1½	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET 3895
GAS PAY ZONE FROM 3648 TO 3903		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .658	GRAVITY X LENGTH 2563 ✓
DATE OF FLOW TEST FROM 2/8 TO 2/16/74			DATE SHUT-IN PRESSURE MEASURED 2/23/74		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 349	(b) Flowing Tubing Pressure (DWt) 141	(c) Flowing Meter Pressure (DWt) 141	(d) Flow Chart Static Reading 141	(e) Meter Error (Item c - Item d) 0 ✓	(f) Friction Loss (a - c) or (b - c) 0 ✓	(g) Average Meter Pressure (Integr.) 141
(h) Corrected Meter Pressure (g + e) 141	(i) Avg. Wellhead Press. $P_t = (h + f)$ 141 ✓	(j) Shut-in Casing Pressure (DWt) 683	(k) Shut-in Tubing Pressure (DWt) 683	(l) P_c = higher value of (j) or (k) 683 ✓	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ 546 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 167	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1	Corrected Volume Q = 167 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ ✓ .170	$(F_c Q_m)^2 (1000)$ 16905	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 2874	P_t^2 ✓ 19881	$P_w^2 = P_t^2 + R^2$ 22755	$P_w = \sqrt{P_w^2}$ 151
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 167 ✓	$\left[\frac{168,373}{443,734} \right]^n =$.3794 ✓	$=$.4835	$=$ 81 ✓ MCF/D
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REMARKS:

SUMMARY

Item h **141** ✓
 P_c **683** ✓
 Q **167** ✓
 P_w **151** ✓
 P_d **546** ✓
 D **81** ✓



Company **Wynn Oil Company**
 By **GeoElectric, Inc.**
 Title **Agent** *BH Kump Jr. mnt*
 Witnessed By _____
 Company _____

Q