

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 73

Form C122-A
 Revised 1-1-66

POOL NAME Large Chacra	POOL SLOPE n= 75	FORMATION Chacra	COUNTY San Juan
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COMPANY William C. Russell			WELL NAME AND NUMBER Hammond #52		
UNIT LETTER G	SECTION 26	TOWNSHIP 27N	RANGE 8W	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4 1/2	CASING I.D. - INCHES	SET AT DEPTH - FEET 4710	TUBING O.D. - INCHES 1 1/2	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET 3075
GAS PAY ZONE FROM 3070 TO 3080		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .678	GRAVITY X LENGTH 2085
DATE OF FLOW TEST FROM 3/15/76 TO 3/23/76			DATE SHUT-IN PRESSURE MEASURED 3/31/76		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 235	(b) Flowing Tubing Pressure (DWt) 231	(c) Flowing Meter Pressure (DWt) 231	(d) Flow Chart Static Reading 231	(e) Meter Error (Item c - Item d) -	(f) Friction Loss (a - c or (b - c) 4	(g) Average Meter Pressure (Integr.) 220
(h) Corrected Meter Pressure (g + e) 220	(i) Avg. Wellhead Press. $P_t = (h + f)$ 224	(j) Shut-in Casing Pressure (DWt) 523	(k) Shut-in Tubing Pressure (DWt) 523	(l) P_c = higher value of (j) or (k) 523	(m) Del. Pressure $P_d = \dots$ % P_c 80 418	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 158	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1	Corrected Volume 158 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-R})$.141	$(F_c Q_m)^2 (1000)$ 15,132	$R^2 = (1 - e^{-R}) (F_c Q_m)^2 (1000)$ 2,134	P_t^2 50,176	$P_w^2 = P_t^2 + R^2$ 52,310	$P_w = \sqrt{P_w^2}$ 229
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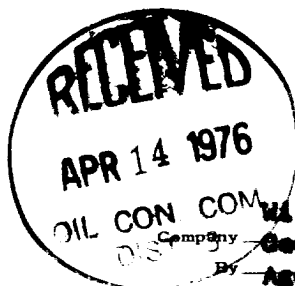
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 158	$\left[\frac{98,805}{221,219} \right]^n =$.4466	$\left[\frac{98,805}{221,219} \right]^n =$.5463	86 MCF/D
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REMARKS:

SUMMARY

Item h	220	Psia
P_c	523	Psia
Q	158	MCF/D
P_w	229	Psia
P_d	418	Psia
D	86	MCF/D



William C. Russell
 Company **Geoelectric, Inc.**
 By **Agent**
 Title
 Witnessed By
 Company