

NEW MEXICO OIL CONSERVATION COMMISSION INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form C122-A
Revised 1-1-66

POOL NAME Elmer	POOL SLOPE n = .55	FORMATION Elmer 4100	COUNTY Santa Fe
---------------------------	------------------------------	--------------------------------	---------------------------

COMPANY D.J. Simmons et al			WELL NAME AND NUMBER Elmer #2		
UNIT LETTER F	SECTION 22	TOWNSHIP 23	RANGE 9	PURCHASING PIPELINE Elmer	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 2317	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.620	TOP - TUBING PERF. - FEET 2090
GAS PAY ZONE FROM 2000 TO 2300		WELL PRODUCING THRU CASING TUBING		GAS GRAVITY .65	GRAVITY X LENGTH 1300
DATE OF FLOW TEST FROM 3-2-67 TO 3-17-67			DATE SHUT-IN PRESSURE MEASURED 12-26-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 236	(b) Flowing Tubing Pressure (DWt) 236	(c) Flowing Meter Pressure (DWt) 642	(d) Flow Chart Static Reading 642	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a - c) or (b - c) 0	(g) Average Meter Pressure (Integr.) 236
(h) Corrected Meter Pressure (g + e) 236	(i) Avg. Wellhead Press. $P_t = (h + f)$ 236	(j) Shut-in Casing Pressure (DWt) 642	(k) Shut-in Tubing Pressure (DWt) 642	(l) P_c = higher value of (j) or (k) 642	(m) Del. Pressure $P_d =$ 676 % P_c 676	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 236	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 236 MCF/D
---	---	--	--

Elmer 4100

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.072	$(F_c Q_m)^2 (1000)$ 12004	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 12004	P_t^2 26644	$P_w^2 = P_t^2 + R^2$ 57808	$P_w = \sqrt{P_w^2}$ 240
-------------------------------	--------------------------------------	---	-------------------------	---------------------------------------	------------------------------------

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{236}{\left[\frac{26644 - 676^2}{26644 - 240^2} \right]^n} = \frac{236}{\left[\frac{26644 - 45696}{26644 - 57600} \right]^n} = \frac{236}{\left[\frac{-19052}{-30956} \right]^n} = \frac{236}{\left[0.615 \right]^n} = \frac{236}{0.615} = 384 \text{ MCF/D}$$

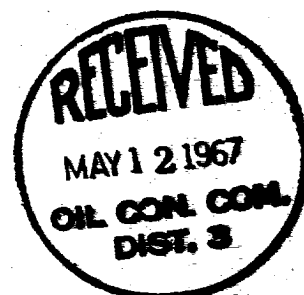
REMARKS:

OK

SUMMARY

Item h **236** Psia
 P_c **642** Psia
 Q **236** MCF/D
 P_w **240** Psia
 P_d **676** Psia
 D **384** MCF/D

Company D.J. Simmons et al
 By Ashtan B. Jensen, Jr
 Title Supt
 Witnessed By _____
 Company _____



SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

SECRET

