NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 [illegible]

Form C122 A
Revised 1-1-66

POOL NAME [illegible]	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan

COMPANY D.J. Simmons et al			WELL NAME AND NUMBER [illegible]		
UNIT LETTER [illegible]	SECTION [illegible]	TOWNSHIP [illegible]	RANGE [illegible]	PURCHASING PIPELINE [illegible]	
CASING O.D. — INCHES 4.500	CASING I.D — INCHES 4.090	SET AT DEPTH — FEET [illegible]	TUBING O.D — INCHES 1.660	TUBING I.D. — INCHES [illegible]	[illegible] [illegible]
GAS PAY ZONE FROM [illegible]	TO [illegible]	WELL PRODUCING THRU CASING	TUBING X	[illegible] [illegible]	
DATE OF FLOW TEST FROM 3-1-67	TO 3-9-67		DATE SHUT-IN PRESSURE MEASURED [illegible]		

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.) 226
(h) Corrected Meter Pressure (g + e) 226	(i) Avg. Wellhead Press. P_t = (h + f) 226	(j) Shut-in Casing Pressure (DWt) 858	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k) 858	(m) Del. Pressure P_d = .80 %P_c 686	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume — MCF/D 711	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 711 MCF/D

Fm = 26.62

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c\ Q_m)^2\ (1000)$	$R^2 = (1-e^{-s})\ (F_c\ Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.091	306425	27,885	51,076	78961	281

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 711 \left[\left(\frac{265568}{657203}\right)^n = (.4040)^n = .4628\right] = 329 \text{ MCF/D}$$

REMARKS:

OK

SUMMARY

Item h	226	Psia
P_c	858	Psia
Q	711	MCF/D
P_w	281	Psia
P_d	686	Psia
D	329	MCF/D

Company D. J. Simmons, et al
By Ashton B. Green, Jr.
Title Supt.
Witnessed By
Company

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