

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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COMPANY D.J. Simmons et al			WELL NAME AND NUMBER Simmons #4		
UNIT LETTER E	SECTION 23	TOWNSHIP 29	RANGE 9	PURCHASING PIPELINE EPB	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.090	SET AT DEPTH - FEET 2501	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.300	TOP - TUBING PERF. - FEET 2270
GAS PAY ZONE FROM 2293 TO 2348		WELL PRODUCING THRU CASING TUBING I		GAS GRAVITY .655	GRAVITY X LENGTH 1457
DATE OF FLOW TEST FROM 3-10-67 TO 3-18-67			DATE SHUT-IN PRESSURE MEASURED 12-29-66		

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.)
						254
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = .80 \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
254	254	896		896	718	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 632	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 632 MCF/D
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$P_b = 24.62$

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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.102	242114	24696	64516	89212	299

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 632	$\left[\frac{290880}{717192} \right]^n =$.4056	$=$.4634	$=$ 293 MCF/D
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REMARKS:

OK

SUMMARY

Item h **254** Psia
 P_c **896** Psia
 Q **632** MCF/D
 P_w **299** Psia
 P_d **718** Psia
 D **293** MCF/D

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



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