

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
 Revised 1-1-66

POOL NAME BLANCO	POOL SLOPE n = 0.75	FORMATION MESAVERDE	COUNTY RIO ARriba
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COMPANY SOUTHERN UNION PRODUCTION COMPANY			WELL NAME AND NUMBER JICARILLA #G# No. 5		
UNIT LETTER L	SECTION 12	TOWNSHIP 26 N	RANGE 5 W	PURCHASING PIPELINE SOUTHERN UNION GAS COMPANY	
CASING O.D. - INCHES 7.625 5.500	CASING I.D. - INCHES 6.969 4.950	SET AT DEPTH - FEET 4240 4080-8421	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 5617
GAS PAY ZONE FROM 5625 TO 5770		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY 0.670	GRAVITY X LENGTH 3763
DATE OF FLOW TEST FROM 12/17/69 TO 12/25/69			DATE SHUT-IN PRESSURE MEASURED 8/19/69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 739	(b) Flowing Tubing Pressure (DWt) 525	(c) Flowing Meter Pressure (DWt) 500	(d) Flow Chart Static Reading 476	(e) Meter Error (Item c - Item d) + 24 ✓	(f) Friction Loss (a - c) or (b - c) + 25 ✓	(g) Average Meter Pressure (Integr.) 462
(h) Corrected Meter Pressure (g + e) 486	(i) Avg. Wellhead Press. $P_t = (h + f)$ 511 ✓	(j) Shut-in Casing Pressure (DWt) 989	(k) Shut-in Tubing Pressure (DWt) 989	(l) P_c = higher value of (j) or (k) 989 ✓	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$ 791 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only ---

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1250	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0504 ✓	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0252 ✓	Corrected Volume Q = 1282 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.239 ✓	$(F_c Q_m)^2 (1000)$ 445,283	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 106,423	P_t^2 261,121 ✓	$P_w^2 = P_t^2 + R^2$ 367,544	$P_w = \sqrt{P_w^2}$ 606 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1282	$\left[\frac{352,440}{610,577} \right]^n =$ 0.5772	$=$ 0.6622	$=$ 849 MCF/D
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REMARKS:

SHUT IN PRESSURE WAS TAKEN FROM I.P. TEST

SUMMARY

Item h **486** Psia
 P_c **989** Psia
 Q **1282** MCF/D
 P_w **606** Psia
 P_d **791** Psia
 D **849** MCF/D

Company **SOUTHERN UNION PRODUCTION COMPANY**
 By **KENNETH E. RODDY**
 Title **PRODUCTION TECHNICIAN**
 Witnessed By _____
 Company _____



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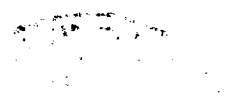
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