

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1971

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. 1		
UNIT LETTER L	SECTION 1	TOWNSHIP 26 NORTH	RANGE 5 WEST	PURCHASING PIPELINE SOUTHERN UNION GAS CO.	
CASING O.D. - INCHES 7.000 5.000	CASING I.D. - INCHES 6.456 4.408	SEALING DEPTH - FEET 5126 7934	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 5601
GAS PAY ZONE FROM 5116 TO 5650		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY 0.693	GRAVITY X LENGTH 3881
DATE OF FLOW TEST FROM 1/2/71 TO 1/10/71			DATE SHUT-IN PRESSURE MEASURED 10/23/70		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 475	(b) Flowing Tubing Pressure (DWt) 429	(c) Flowing Meter Pressure (DWt) 420	(d) Flow Chart Static Reading 423	(e) Meter Error (Item c - Item d) - 3	(f) Friction Loss (a - c) or (b - c) + 9	(g) Average Meter Pressure (Integr.) 462
(h) Corrected Meter Pressure (g + e) 459	(i) Avg. Wellhead Press. $P_t = (h + f)$ 468	(j) Shut-in Casing Pressure (DWt) 933	(k) Shut-in Tubing Pressure (DWt) 931	(l) P_c = higher value of (j) or (k) 933	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ 746	(n) Separator or Dehydrator Pr. (DWt) for critical flow only —

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 605	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 0.9929	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 0.9965	Corrected Volume Q = 603 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.246	$(F_c Q_m)^2 (1000)$ 98,513	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 24,234	P_t^2 219,024	$P_w^2 = P_t^2 + R^2$ 243,258	$P_w = \sqrt{P_w^2}$ 493
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 603	$\left[\frac{313,973}{687,231} \right]^n =$ 0.9886	$\left[\frac{0.9886}{0.9886} \right]^n =$ 0.9951	$=$ 359 MCF/D
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REMARKS:

SUMMARY

Item h	459	Psia
P_c	933	Psia
Q	603	MCF/D
P_w	493	Psia
P_d	746	Psia
D	359	MCF/D



SOUTHERN UNION PRODUCTION COMPANY
KENNETH E. ROBBY
Production Technician

Witnessed By _____
 Company _____

DATE: 10/10/10

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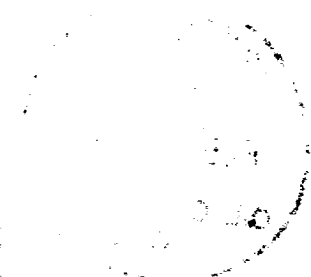
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