

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 82

Form O122-A
 Revised 8-77

WELL NAME BLANCO PC	WELL SLOPE 1.35	FORMATION PICTURED CLIFFS	COUNTY SAN JUAN
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COMPANY SOUTHLAND ROYALTY		WELL NAME AND NUMBER CHILDERS 2			
UNIT LETTER M	SECTION 1	TOWNSHIP 31N	RANGE 11W	PURCHASING PIPELINE SOUTHERN UNION GATHERING	
CASING O.D. INCHES 5.5000	CASING I.D. INCHES 4.9500	SET AT DEPTH - FEET 3052	TUBING O.D. INCHES 1.9000	TUBING I.D. INCHES 1.6100	TOP TUBING PERF. - FEET 2927
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 2846	TO 2918	CASING	TUBING X	.636	1862
DATE OF FLOW TEST		DATE SHUT-IN PRESSURE MEASURED			
FROM 04/09/82		TO 04/17/82		04/24/82	

PRESSURE DATA - ALL PRESSURES IN PSIA

a) Flowing Casing Pressure DWH	b) Flowing Tubing Pressure DWH	c) Flowing Water Pressure DWH	d) Flow Chart Static Reading	e) Meter Error Item c - Item d	f) Friction Loss a-d or b-d	g) Average Meter Pressure Integr.
00	353	352	357	5-	1+	353
h) Corrected Water Pressure g-e	i) Shut-in Casing Press. P _{sc} = P _{sc}	j) Shut-in Casing Pressure DWH	k) Shut-in Tubing Pressure DWH	l) P _{sc} Higher value of i or j	m) Del. Pressure P _d = P _{sc} - P _{fr}	n) Separator or Dehydrator P _d DWH for critical flow only
348	349	00	487	487	390	---

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
44	.9859	.9929	Q = 44 MCF/D

WORKING PRESSURE CALCULATION

Item 1	P _{sc} = 1000	Item 2 P _{sc} = 1000	P _d ²	P _w ² = P _d ² - R ²	P _w = $\sqrt{P_w^2}$
.127	525	67	121,301	USE PT2	349

DELIVERABILITY CALCULATION

Q = Q _{sc} $\left[\frac{P_{sc} - P_{wf}}{P_{sc} - P_{wf,sc}} \right]^n$	44	$\left(\frac{95,069}{115,368} \right)^n$	$\left(.7374 \right)^n$	.7719	= 34 MCF/D
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REMARKS:

SUMMARY

Item 1 343 Psia
 P_d 487 Psia
 Q 44 MCF/D
 P_w 349 Psia
 P_d 390 Psia
 Q 34 MCF/D

Company SOUTHLAND ROYALTY
 By [Signature]
 Title DISTRICT PRODUCTION MANAGER
 Witnessed By _____
 Company _____

JUN - 7 1982

MAR 14 1984
 OIL CON. DIV.
 DIST. 3