

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-66

POOL NAME So. Blanco	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
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COMPANY PAN AMERICAN PETROLEUM CORPORATION			WELL NAME AND NUMBER Jicarilla Contract 146 No. 20		
UNIT LETTER A	SECTION 4	TOWNSHIP 25	RANGE 5	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 3013	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2902
GAS PAY ZONE FROM 2904 TO 2924		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .658	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 12-13-69 TO 12-21-69			DATE SHUT-IN PRESSURE MEASURED 10-9-69		

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.) 490
(h) Corrected Meter Pressure (g + e) 490	(i) Avg. Wellhead Press. $P_t = (h + f)$ 490	(j) Shut-in Casing Pressure (DWt) 572	(k) Shut-in Tubing Pressure (DWt) 572	(l) P_c = higher value of (j) or (k) 572 ✓	(m) Del. Pressure $P_d = \frac{80}{458} \% P_c$ 458 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 398	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 398 MCF/D
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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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	398	$\left[\frac{117,420}{87,084} \right]^n =$	1.3484	$=$	1.2892	$=$	513 MCF/D ✓
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REMARKS:

SUMMARY

Item h	490 ✓	Psia
P_c	572 ✓	Psia
Q	398 ✓	MCF/D
P_w	490 ✓	Psia
P_d	458 ✓	Psia
D	513 ✓	MCF/D

Company **PAN AMERICAN PETROLEUM CORPORATION**
 By *[Signature]*
 Title **Area Engineer**
 Witnessed By _____
 Company _____



