

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

Form CI 22-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY PAN AMERICAN PETROLEUM CORPORATION			WELL NAME AND NUMBER Jicarilla Contract 146 No. 17		
UNIT LETTER G	SECTION 3	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 7454	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7090
GAS PAY ZONE FROM 7076 TO 7302		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .678	GRAVITY X LENGTH 4807
DATE OF FLOW TEST FROM 12-5-69 TO 12-13-69			DATE SHUT-IN PRESSURE MEASURED 10-3-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 470	(b) Flowing Tubing Pressure (DWt) 470	(c) Flowing Meter Pressure (DWt) 2427	(d) Flow Chart Static Reading 2440	(e) Meter Error (Item c - Item d) 2440	(f) Friction Loss (a - c) or (b - c) 1220	(g) Average Meter Pressure (Integr.) 470
(h) Corrected Meter Pressure (g + e) 470	(i) Avg. Wellhead Press. $P_t = (h + f)$ 470	(j) Shut-in Casing Pressure (DWt) 2427	(k) Shut-in Tubing Pressure (DWt) 2440	(l) P_c = higher value of (j) or (k) 2440	(m) Del. Pressure $P_d = \frac{50}{1220} \% P_c$ 1220	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 668	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 668 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$	$(F_c Q_m)^2 (1000)^{-2}$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)^{-2}$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
Friction Loss Negligible					

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	668	$\left[\frac{4,465,200}{5,732,700} \right]^n$	$(.7789)^n$	$= .8291$	554 MCF/D
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REMARKS:

SUMMARY

Item h **470** Psia
 P_c **2440** Psia
 Q **668** MCF/D
 P_w **470** Psia
 P_d **1220** Psia
 D **554** MCF/D

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



