

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

Form C122-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. 19		
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 7493	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7271
GAS PAY ZONE FROM 7109 TO 7338		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .678	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.) 512
(h) Corrected Meter Pressure (g + e) 512	(i) Avg. Wellhead Press. $P_t = (h + f)$ 512	(j) Shut-in Casing Pressure (DWt) 2365	(k) Shut-in Tubing Pressure (DWt) 2404	(l) P_c = higher value of (j) or (k) 2404	(m) Del. Pressure $P_d = \frac{50}{1202} \% P_c$ 1202	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 504	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ --	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ --	Corrected Volume Q = 504 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

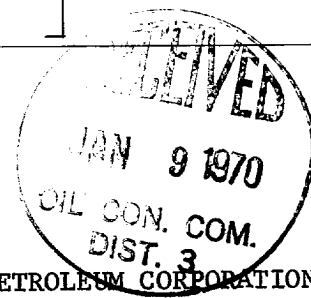
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{504}{\left[\frac{4,334,412}{5,517,072} \right]^n} = \frac{.7856}{.8344} = 421$ MCF/D

REMARKS:

SUMMARY

Item h **512** Psia
 P_c **2404** Psia
 Q **504** MCF/D
 P_w **512** Psia
 P_d **1202** Psia
 D **411** MCF/D

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



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