

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

Form C122-A
 Revised 1-1-66

POOL NAME Ballard	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY Sandoval
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COMPANY PAN AMERICAN PETROLEUM CORPORATION			WELL NAME AND NUMBER Jicarilla Tribal 358 No. 1		
UNIT LETTER M	SECTION 6	TOWNSHIP 22	RANGE 2	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 2877	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2756
GAS PAY ZONE FROM 2746 TO 2781		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .706	GRAVITY X LENGTH 1946
DATE OF FLOW TEST FROM 12-2-69 TO 12-9-69			DATE SHUT-IN PRESSURE MEASURED 8-21-69		

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.) 236
(h) Corrected Meter Pressure (g + e) 236	(i) Avg. Wellhead Press. $P_t = (h + f)$ 236	(j) Shut-in Casing Pressure (DWt) 734	(k) Shut-in Tubing Pressure (DWt) 734	(l) $P_c =$ higher value of (j) or (k) 734	(m) Del. Pressure $P_d = \frac{80}{587} \% P_c$ 587	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 632	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 632 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
Friction Loss Negligible					

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	632	$\left[\frac{194,187}{483,060} \right]^n =$	.4020	$= \frac{.4609}{.4020} =$	291 MCF/D
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REMARKS:

SUMMARY

Item h **236** Psia
 P_c **734** Psia
 Q **632** MCF/D
 P_w **236** Psia
 P_d **587** Psia
 D **291** MCF/D

RECEIVED
JAN 7 1970

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