

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 73

Form C122-A
 Revised 1-1-66

POOL NAME Ballard	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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COMPANY AMOCO PRODUCTION COMPANY			WELL NAME AND NUMBER Jicarilla Tribal 358 No. 5		
UNIT LETTER A	SECTION 7	TOWNSHIP 22	RANGE 2	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.090	SET AT DEPTH - FEET 2891	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2686
GAS PAY ZONE FROM 2701 TO 2818		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .643	GRAVITY X LENGTH 1727
DATE OF FLOW TEST FROM 9-8-73 TO 9-16-73			DATE SHUT-IN PRESSURE MEASURED 6-25-73		

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.) 273
(h) Corrected Meter Pressure (g + e) 273	(i) Avg. Wellhead Press. $P_t = (h + f)$ 273	(j) Shut-in Casing Pressure (DWt) Packer	(k) Shut-in Tubing Pressure (DWt) 644	(l) $P_c =$ higher value of (j) or (k) 644	(m) Del. Pressure $P_d = \frac{80}{515} \% P_c$ 515	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 319	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 319 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.118	$(F_c Q_m)^2 (1000)$ 61,682	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 7278	P_t^2 74,529	$P_w^2 = P_t^2 + R^2$ 81,807	$P_w = \sqrt{P_w^2}$ 286
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	319	$\left[\frac{149,511}{332,929} \right]^n =$	.4491	$=$	.5064	$=$	162 MCF/D
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REMARKS: **INITIAL DELIVERABILITY TEST**

Packer set at 2680'

SUMMARY

Item h	273	Psia
P_c	644	Psia
Q	319	MCF/D
P_w	286	Psia
P_d	515	Psia
D	162	MCF/D



AMOCO PRODUCTION COMPANY

By James W. Caban
 Title Petroleum Engineer

Witnessed By _____

Company _____

OK

