

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. 3		
UNIT LETTER E	SECTION 6	TOWNSHIP 22N	RANGE 2W	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.090	SET AT DEPTH - FEET 3089	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2913
GAS PAY ZONE FROM 2764 TO 2810		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .666	GRAVITY X LENGTH 1940
DATE OF FLOW TEST FROM 9-8-73 TO 9-16-73			DATE SHUT-IN PRESSURE MEASURED 7-2-73		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 228	(b) Flowing Tubing Pressure (DWt) 228	(c) Flowing Meter Pressure (DWt) 726	(d) Flow Chart Static Reading 726	(e) Meter Error (Item c - Item d) 726	(f) Friction Loss (a - c) or (b - c) 228	(g) Average Meter Pressure (Integr.) 228
(h) Corrected Meter Pressure (g + e) 228	(i) Avg. Wellhead Press. $P_t = (h + f)$ 228	(j) Shut-in Casing Pressure (DWt) 726	(k) Shut-in Tubing Pressure (DWt) 726	(l) $P_c =$ higher value of (j) or (k) 726	(m) Del. Pressure $P_d = \frac{80}{581} \% P_c$ 581	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 350	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 350 MCF/D
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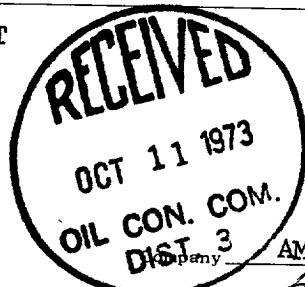
WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.132	$(F_c Q_m)^2 (1000)$ 74,253	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 9801	P_t^2 51,984	$P_w^2 = P_t^2 + R^2$ 61,785	$P_w = \sqrt{P_w^2}$ 249
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 350$	$\left[\frac{189,515}{465,291} \right]^n = .4073$	$.4073^n = .4660$	$= 163 \text{ MCF/D}$
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REMARKS: INITIAL DELIVERABILITY TEST



SUMMARY

Item h	228	Psia
P_c	726	Psia
Q	350	MCF/D
P_w	249	Psia
P_d	581	Psia
D	163	MCF/D

By James W. Calum
 Title Petroleum Engineer
 Witnessed By _____
 Company _____

1. 1950 2. 1951 3. 1952 4. 1953 5. 1954

1. 1955 2. 1956 3. 1957 4. 1958 5. 1959

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1. 2085 2. 2086 3. 2087 4. 2088 5. 2089

1. 2090 2. 2091 3. 2092 4. 2093 5. 2094



IN THE CIRCUIT COURT OF THE FIRST JUDICIAL DISTRICT OF FLORIDA IN AND FOR THE COUNTY OF ALACH

FILED
JAN 10 1950
CLERK