

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

POOL NAME Aztec	POOL SLOPE n= 85	FORMATION Pictured Cliff	COUNTY San Juan
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73405

COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER Riddle B No. 4		
UNIT LETTER A	SECTION 23	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EL PASO NATURAL GAS COMPANY	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3158	TUBING O.D. - INCHES NONE	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3028 TO 3066		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .678	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 9-19-66 TO 9-27-66			DATE SHUT-IN PRESSURE MEASURED 8-31-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 218	(b) Flowing Tubing Pressure (DWt) 218	(c) Flowing Meter Pressure (DWt) 624	(d) Flow Chart Static Reading 000	(e) Meter Error (Item c - Item d) 624	(f) Friction Loss (a - c) or (b - c) P_d = 80 / 499 %P_c	(g) Average Meter Pressure (Integr.) 218
(h) Corrected Meter Pressure (g + e) 218	(i) Avg. Wellhead Press. P _t = (h + f) 218	(j) Shut-in Casing Pressure (DWt) 624	(k) Shut-in Tubing Pressure (DWt) 000	(l) P _c = higher value of (j) or (k) 624	(m) Del. Pressure P_d = 80 / 499 %P_c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 150	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 150 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
FRICITION NEGLIGIBLE				USE P_t	

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 150	$\left[\frac{140375}{341852} \right]^n =$.4106	$\left[\frac{.4106}{.4693} \right]^n =$.4693	70 MCF/D
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REMARKS:

First Delivery after OWWO 9-1-66

SUMMARY

Item h	218	Psia
P _c	624	Psia
Q	150	MCF/D
P _w	218	Psia
P _d	499	Psia
D	70	MCF/D

Company	EL PASO NATURAL GAS COMPANY
By	L. L. Kendrick
Title	Regional Well Test Engineer
Witnessed By	
Company	



1888-1889

1889-1890

1890-1891

1891-1892

1892-1893

1893-1894

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1930-1931

1931-1932

1932-1933