

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

Form C122-A
Revised 1-1-68

POOL NAME BASIN	POOL SLOPE $n = .75$	FORMATION DAKOTA	COUNTY KA
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86-546

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 29-6 UNIT #93		
UNIT LETTER B	SECTION 16	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 8090	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 8042
GAS PAY ZONE FROM 8024 TO 8076		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.586	GRAVITY X LENGTH 4713
DATE OF FLOW TEST FROM 03/30/69 TO 04/07/69			DATE SHUT-IN PRESSURE MEASURED 04/19/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 463
(h) Corrected Meter Pressure (g+e) 463	(i) Avg. Wellhead Press. $P_t = (h+f)$ 463	(j) Shut-in Casing Pressure (DWt) 912	(k) Shut-in Tubing Pressure (DWt) 911	(l) $P_c =$ higher value of (j) or (k) 912	(m) Del. Pressure $P_d =$ 50 %B 456	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 135	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 135 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.290	$(F_c Q_m)^2 (1000)$ 1,610	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 467	P_t^2 214369	$P_w^2 = P_t^2 + R^2$ 214836	$P_w = \sqrt{P_w^2}$ 464
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	135	$\left[\frac{623808}{616908} \right]^n = \left(1.0111 \right)^n$	1.0083	136 MCF/D
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REMARKS:

Installed Intermittent - Turned back on production 3-5-69

SUMMARY

Item h **463** Psia
 P_c **912** Psia
 Q **135** MCF/D
 P_w **464** Psia
 P_d **456** Psia
 D **136** MCF/D

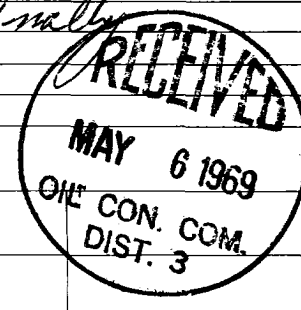
Company **EL PASO NATURAL GAS CO**

By **A. E. M. - Analyst**

Title

Witnessed By

Company



NEW MEXICO OIL CONSERVATION COMMISSION

WEL - DELIVERABILITY - TEST REPORT

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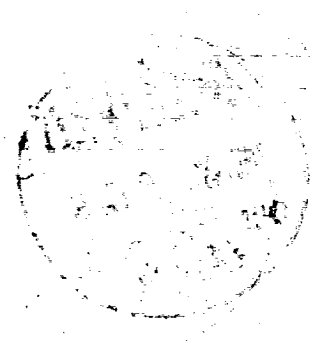
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