

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 RA
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86-540

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 29-6 UNIT #90		
UNIT LETTER G	SECTION 15	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 8148	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 8062
GAS PAY ZONE FROM 8024 TO 8126		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.582	GRAVITY X LENGTH 4692
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.) 449
(h) Corrected Meter Pressure (g+e) 449	(i) Avg. Wellhead Press. $P_t = (h+f)$ 449	(j) Shut-in Casing Pressure (DWt) 1049	(k) Shut-in Tubing Pressure (DWt) 1051	(l) P_c = higher value of (j) or (k) 1051	(m) Del. Pressure $P_d = 50\% P_c$ 526	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 179	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 179 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.269	$(F_c Q_m)^2 (1000)$ 2,832	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 818	P_t^2 201601	$P_w^2 = P_t^2 + R^2$ 202419	$P_w = \sqrt{P_w^2}$ 450
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 179	$\left[\frac{827925}{902182} \right]^n =$ 0.9176	$=$ 0.9375	$=$ 168 MCF/D
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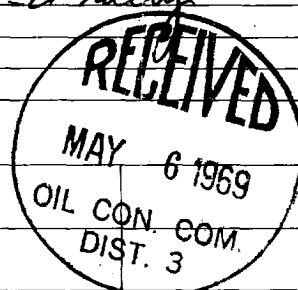
REMARKS:

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

SUMMARY

Item h **449** Psia
P_c **1051** Psia
Q **179** MCF/D
P_w **450** Psia
P_d **526** Psia
D **168** MCF/D

Company **EL PASO NATURAL GAS CO**
By **D. E. McNally**
Title
Witnessed By
Company



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