

NEW MEXICO OIL CONSERVATION COMMISSION **WELL DELIVERABILITY TEST REPORT FORM NO. 69**

POOL SLOPE B = .75		FORMATION Dakota		COUNTY Rio Arriba	
COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER S. J. 28-5 Unit No. 80		
DEPT. LOCATION G	SECTION 26	TOWNSHIP	RANGE 5W	PURCHASING PIPELINE	
DEPTH 4,000	DEPTH TO PERFORATION 4,052	PERFORATION DEPTH 8621	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	DATE OF FLOW TEST 8-16-69
DATE OF FLOW TEST 8-16-69		DATE SHUT-IN PRESSURE MEASURED 8-20-69		GAS GRAVITY .678	

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(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.)
				0	0	428
(h) Corrected Meter Pressure (Qsc)	(i) Avg. Wellhead Press. $P_w = (h + i)$	(j) Shut-in Casing Pressure (DWI)	(k) Shut-in Tubing Pressure (DWI)	(l) P_w Higher value of (i) or (k)	(m) Del. Pressure $P_d = 50$	(n) Separator or Discharge Pressure (DWI) For correct flow only
428	428	2576	2558	2576	1288	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item e}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
474	1.0000	1.0000	Q = 474 MCF/D

WORKING PRESSURE CALCULATION

$(F_c Q_w)^2 (1000)$	$(1 - a^2) (F_c Q_w)^2 (1000)$	P_w^2	$P_w^2 = P_c^2 + R^2$	P_w
1361.84	458.7	1820.54	230.032	

DELIVERABILITY CALCULATION

$Q = 9 \left[\frac{P_w^2 - P_d^2}{P_w^2 - P_d^2} \right]$	474	2369	.8275	392 MCF/D
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REMARKS:

New Well 1st Del. August 18, 1969.

SUMMARY

Item a	428	Psia
b	2576	Psia
c	474	MCF/D
d	474	Psia
e	1888	Psia
f	392	MCF/D

Company

By

Title

Witnessed By

Company

