

Delivera-

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

Form C122-A
 Revised 1-1-69

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY Rio Arriba
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86-508

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-4 Unit No. 32		
UNIT LETTER H	SECTION 32	TOWNSHIP 28	RANGE 4	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 8758	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 8541
GAS PAY ZONE FROM 8552 TO 8732		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .678	GRAVITY X LENGTH 5791
DATE OF FLOW TEST FROM 8-10-69 TO 8-18-69			DATE SHUT-IN PRESSURE MEASURED 5-19-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) --	(b) Flowing Tubing Pressure (DWt) --	(c) Flowing Meter Pressure (DWt) --	(d) Flow Chart Static Reading --	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 428
(h) Corrected Meter Pressure (g + e) 440	(i) Avg. Wellhead Press. $P_i = (h + f)$ 440	(j) Shut-in Casing Pressure (DWt) 2569	(k) Shut-in Tubing Pressure (DWt) 2569	(l) P_c = higher value of (j) or (k) 2569	(m) Del. Pressure $P_d = 50$ 1285	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1287	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 1287$ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-5})$.344	$(F_c Q_m)^2 (1000)$ 146,417	$R^2 = (1 - e^{-5}) (F_c Q_m)^2 (1000)$ 50368	P_t^2 193600	$P_w^2 = P_t^2 + R^2$ 243968	$P_w = \sqrt{P_w^2}$ 494
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1287$	$\left(\frac{4948536}{6355793} \right)^n = 0.7785$	0.8288	1067 MCF/D
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REMARKS: New Well first delivery June 25, 1969.

SUMMARY

Item h 440 Psia
 P_c 2569 Psia
 Q 1287 MCF/D
 P_w 494 Psia
 P_d 1285 Psia
 D 1067 MCF/D

Company El Paso Natural Gas Company

By R. E. Stauffer

Title Original Signed By: R. E. Stauffer

Witnessed By _____

Company _____

