

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY RA
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87-177

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 U. No. 147		
UNIT LETTER G	SECTION 29	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7634	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 7557
GAS PAY ZONE FROM 7384 TO 7574		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .626	GRAVITY X LENGTH 4731
DATE OF FLOW TEST FROM 9-23-70 TO 9-30-70			DATE SHUT-IN PRESSURE MEASURED 6-25-70		

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.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. P _i = (h+f) 456	(j) Shut-in Casing Pressure (DWt) 2622	(k) Shut-in Tubing Pressure (DWt) 2654	(l) P _c = higher value of (j) or (k) 2654	(m) Del. Pressure P _d = 50 % P _c 1327	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 676	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 676 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.291	$(F_c Q_m)^2 (1000)$ 123809	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 36028	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ 243964	$P_w = \sqrt{P_w^2}$ 494
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	676	$\left[\frac{5282787}{6799752} \right]^n =$	$(.7769)^n =$.8275	= 559 MCF/D
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REMARKS:

New Well, 1st del. August 28, 1970.

SUMMARY *OK*

Item h 456 Psia
P_c 2654 Psia
Q 676 MCF/D
P_w 494 Psia
P_d 1327 Psia
D 559 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. E. McInally
Title _____
Witnessed By _____
Company _____

