

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY RA
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86-638

COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER San Juan 29-6 Unit No. 99		
UNIT LETTER A	SECTION 34	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7762	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 7699
GAS PAY ZONE FROM 7530 TO 7700		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .591	GRAVITY X LENGTH 4550
DATE OF FLOW TEST FROM 6-17-70 TO 6-25-70			DATE SHUT-IN PRESSURE MEASURED 4-6-70		

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.) 439
(h) Corrected Meter Pressure (g+e) 439	(i) Avg. Wellhead Press. P _f = (h+f) 439	(j) Shut-in Casing Pressure (DWt) 2707	(k) Shut-in Tubing Pressure (DWt) 2693	(l) P _c = higher value of (j) or (k) 2707	(m) Del. Pressure P _d = 50% P _c 1354	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 604	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 604 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.282	$(F_c Q_m)^2 (1000)$ 98840	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 27873	P_i^2 192721	$P_w^2 = P_i^2 + R^2$ 220594	$P_w = \sqrt{P_w^2}$ 470
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{604 \left[\frac{5494533}{7107255} \right]^n (.7730)^n}{.8244} = 498 \text{ MCF/D}$$

REMARKS:

New well, 1st del. May 11, 1970

SUMMARY

Item h	439	Psia
P _c	2707	Psia
Q	604	MCF/D
P _w	470	Psia
P _d	1354	Psia
D	498	MCF/D

Company EL PASO NATURAL GAS COMPANY
 By A. E. McDonald
 Title _____
 Witnessed By _____
 Company _____

