

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
--------------------	-----------------------	-----------------	--------------

COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER San Juan 29-6 Unit No. 100		
UNIT LETTER G	SECTION 35	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7828	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 7796
GAS PAY ZONE FROM 7621 TO 7806		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .590	GRAVITY X LENGTH 4600
DATE OF FLOW TEST FROM 6-19-70 TO 6-27-70			DATE SHUT-IN PRESSURE MEASURED 3-23-70		

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
-	-	-	-	0	0	428
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) $P_c =$ higher value of (j) or (k)	(m) Del. Pressure $P_d = 50\% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
428	428	2647	2636	2647	1324	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
434	1.0000	1.0000	Q = 434 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.284	51032	14493	183184	197677	445

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	434	$\left(\frac{5253633}{6808932} \right)^n =$	$(.7715)^n =$	.8232	$= 357$ MCF/D
--	-----	--	---------------	-------	---------------

REMARKS:

New well, 1st del., May 8, 1970

SUMMARY

Item h 428 Psia
 P_c 2647 Psia
 Q 434 MCF/D
 P_w 445 Psia
 P_d 1324 Psia
 D 357 MCF/D

Company EL PASO NATURAL GAS COMPANY
 By D. E. McNally
 Title _____
 Witnessed By _____
 Company _____



