

Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME SO BLANCO	POOL SLOPE n = .85	FORMATION PC	COUNTY RA
-------------------------------	------------------------------	------------------------	---------------------

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 28-7 UNIT #146		
UNIT LETTER B	SECTION 19	TOWNSHIP 28	RANGE 7	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3577	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE FROM 3460 TO 3488		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY 0.672	GRAVITY X LENGTH 2325
DATE OF FLOW TEST FROM 09/29/68 TO 10/07/68			DATE SHUT-IN PRESSURE MEASURED 07/10/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(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. $P_t = (h+f)$ 456	(j) Shut-in Casing Pressure (DWt) 1016	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_c = higher value of (j) or (k) 1016	(m) Del. Pressure $P_d = 80\% P_c$ 813	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 221	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 221 MCF/D
---	--	---	--

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.156	$(F_c Q_m)^2 (1000)$ 1.506	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 235	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ USE PT2	$P_w = \sqrt{P_w^2}$ 456
-----------------------------	--------------------------------------	---	--------------------------	---	------------------------------------

DELIVERABILITY CALCULATION

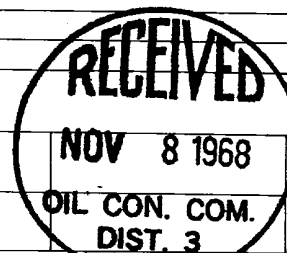
$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{221}{\left[\frac{371287}{824320} \right]^n} = \frac{0.4504}{0.5076} = 112 \text{ MCF/D}$$

REMARKS: New Well - First Delivered 9-5-68

SUMMARY

Item h **456** Psia
 P_c **1016** Psia
 Q **221** MCF/D
 P_w **456** Psia
 P_d **813** Psia
 D **112** MCF/D

Company **EL PASO NATURAL GAS CO**
 By *[Signature]*
 Title
 Witnessed By
 Company



68/10/30

3443 75-846

NEW MEXICO OIL CONSERVATION COMMISSION

WEST LEBANON, NEW JERSEY

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

RE: NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

SUMMARY

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

TO THE HONORABLE COMMISSIONERS OF THE NEW MEXICO OIL CONSERVATION COMMISSION
SARASOTA, FLORIDA

