

Initial
Deliverability

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

Form C122-A
Revised 1-1-68

POOL NAME ELANCO	POOL SLOPE n = .70	FORMATION MV	COUNTY RA
---------------------	-----------------------	-----------------	--------------

72-206

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER RINCON UNIT #112		
UNIT LETTER M	SECTION 11	TOWNSHIP 26	RANGE 7	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.931	SET AT DEPTH - FEET 5208	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.955	TOP - TUBING PERF. - FEET 5128
GAS PAY ZONE FROM 4940 TO 5150		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.780	GRAVITY X LENGTH 3769
DATE OF FLOW TEST FROM 05/31/68 TO 06/07/68			DATE SHUT-IN PRESSURE MEASURED 03/26/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 490	(b) Flowing Tubing Pressure (DWt) 490	(c) Flowing Meter Pressure (DWt) 745	(d) Flow Chart Static Reading 514	(e) Meter Error (Item c - Item d) 745	(f) Friction Loss (a-c) or (b-c) Pd = 30 % Pc 594	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g+e) 490	(i) Avg. Wellhead Press. Pi = (h+f) 490	(j) Shut-in Casing Pressure (DWt) 745	(k) Shut-in Tubing Pressure (DWt) 514	(l) Pc = higher value of (j) or (k) 745	(m) Del. Pressure Pd = 30 % Pc 594	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 145	Quotient of Item c Item d 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 145 MCF/D
----------------------------------	---	--	-----------------------------------

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.245	$(F_c Q_m)^2 (1000)$ 1.306	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 446	P_t^2 2401.0	$P_w^2 = P_t^2 + R^2$ 2647.0	$P_w = \sqrt{P_w^2}$ 490
----------------------	-------------------------------	--	-------------------	---------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 145	$\left(\frac{199213}{311949} \right)^{n'} =$ 0.6386	$\left(\frac{199213}{311949} \right)^n =$ 0.7144	$=$ 104 MCF/D
---	---	--	------------------

REMARKS:

Installed intermitter turned back on production 5-16-68.

SUMMARY

Item h 490 Psia
Pc 745 Psia
Q 145 MCF/D
Pw 490 Psia
Pd 594 Psia
D 104 MCF/D

Company EL PASO NATURAL GAS CO

By

Title

Witnessed By

Company

ILLEGIBLE



68/06/26

72-206

RECEIVED: 1987-07-27

U.S. DEPARTMENT OF AGRICULTURE, FOREST SERVICE, WASHINGTON, D.C.

1004 JOURNAL OF POST KEYNESIAN ECONOMICS

FOR THE UNITED STATES DEPARTMENT OF JUSTICE

DOI: 10.1016/j.jm.2014.05.004

10-21-6 contains no food items not intended for human consumption

