

Initial
Deliverability

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

Form C922-A
Revised 1-1-68

POOL NAME UNDESIGNAT	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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75-754

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER RCELOFS A #5		
UNIT LETTER M	SECTION 14	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3422	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE FROM 3436 TO 3450		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY 0.658	GRAVITY X LENGTH 2252
DATE OF FLOW TEST FROM 04/07/68 TO 04/15/68			DATE SHUT-IN PRESSURE MEASURED 12/06/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(e) 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.) 477
(h) Corrected Meter Pressure (g+e) 477	(i) Avg. Wellhead Press. $P_t = (h+f)$ 477	(j) Shut-in Casing Pressure (DWt) 1002	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_w = higher value of (j) or (k) 1002	(m) Del. Pressure $P_d = 80\% P_c$ 802	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 234	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 234 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.151	$(F_c Q_m)^2 (1000)$ 1,687	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 255	P_t^2 227529	$P_w^2 = P_t^2 + R^2$ USE PT2	$P_w = \sqrt{P_w^2}$ 477
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DELIVERABILITY CALCULATION

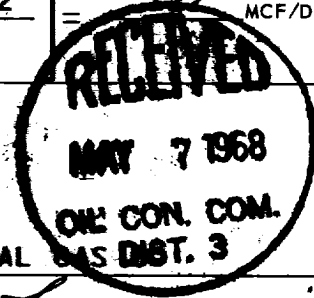
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 234	$\left(\frac{360800}{776475} \right)^n =$ 0.4646	$= 0.5212$	122 MCF/D
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REMARKS: **New Well First Delivered 3-8-68.**

SUMMARY

Item h **477** Psia
P_c **1002** Psia
Q **234** MCF/D
P_w **477** Psia
P_d **802** Psia
D **122** MCF/D

Company **EL PASO NATURAL GAS DIST. 3**
By *[Signature]*
Title
Witnessed By
Company



Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 68

Form OCS-2-A
Revised 1-1-68

POOL NAME	UNIT LETTER	SECTION	TOWNSHIP	RANGE	WELL NAME AND NUMBER
11-21041					

DATE OF FLOW TEST	DATE SHUT-IN PRESSURE MEASURED	FROM	TO	WELL PRODUCING THROUGH	DATE SHUT-IN PRESSURE MEASURED
10/1/68	10/1/68	3436	3436	3436	10/1/68

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(d) Flow Chort Static Reading	(e) Meter Exit Pressure (DWI)	(f) Friction Loss (a-e) or (b-e)	(g) Average Meter Pressure (Integral)
417	417	417	417	417	417	417

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCFD	Quotient of Item c / Item b	$\sqrt{\frac{\text{Item c}}{\text{Item b}}}$	Corrected Volume
334	1.0	1.0	334

WORKING PRESSURE CALCULATION

$(1-e^{-2})$	$(e^{-2})^2 (1000)$	$(1-e^{-2}) (e^{-2})^2 (1000)$	$P_s = \sqrt{P_w^2 - R_s^2}$	$P_w = \sqrt{P_s^2 + R_s^2}$
1.11	1.11	1.11	321	321

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_s^2 - P_w^2}{P_s^2 - P_w^2} \right]^{\frac{n}{2}}$	$\left(\frac{P_s^2 - P_w^2}{P_s^2 - P_w^2} \right)^{\frac{n}{2}}$	$\left(\frac{P_s^2 - P_w^2}{P_s^2 - P_w^2} \right)^{\frac{n}{2}}$	MCFD

REMARKS: New Well First Delivered 3-8-68.

SUMMARY

Item h	Item b	Company	By	Title	Witnessed By	Company
P _{sc}	P _{so}					
Q	MCFD					
P _w	P _{so}					
P _s	P _{so}					
D	MCFD					

