

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME BASIN	POOL SLOPE n = .75	FORMATION DAKOTA	COUNTY RA
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COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER KINCON UNIT #187		
UNIT LETTER A	SECTION 55	TOWNSHIP 27	RANGE 7	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7642	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 750
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 7340	TO 7570	CASING	TUBING A	0.507	4947
DATE OF FLOW TEST FROM 04/01/69 TO 04/09/69			DATE SHUT-IN PRESSURE MEASURED 12/09/68		

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.) 40
(h) Corrected Meter Pressure (g+e) 40	(i) Avg. Wellhead Press. $P_t = (h+f)$ 40	(j) Shut-in Casing Pressure (DWt) 2632	(k) Shut-in Tubing Pressure (DWt) 2619	(l) P_c = higher value of (j) or (k) 2632	(m) Del. Pressure $P_d = \frac{50}{100} \% P_c$ 1316	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 630	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 630 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.302	$(F_c Q_m)^2 (1000)$ 35,976	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 10865	P_t^2 214359	$P_w^2 = P_t^2 + R^2$ 225234	$P_w = \sqrt{P_w^2}$ 475
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DELIVERABILITY CALCULATION

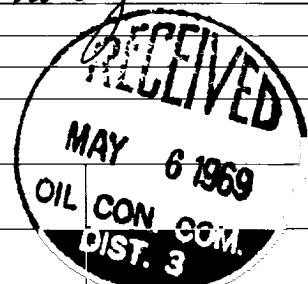
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 630	$\left[\frac{5195568}{6702190} \right]^n =$ 0.7752	$\left[\frac{5195568}{6702190} \right]^n =$ 0.8262	$=$ 527 MCF/D
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REMARKS: Installed Stopcock - Turned back on production 3-18-69

SUMMARY

Item h 463 Psia
P_c 2632 Psia
Q 633 MCF/D
P_w 475 Psia
P_d 1316 Psia
D 527 MCF/D

Company EL PASO NATURAL GAS CO
By H. E. McAnally
Title
Witnessed By
Company



ILLEGIBLE

69/05/02

614 75-910