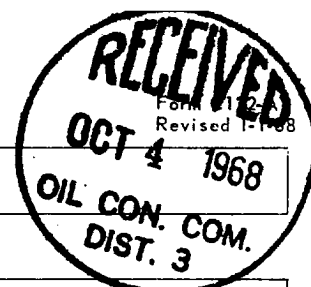


Initial
Deliverability-10

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



POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Stewart No. 5		
UNIT LETTER L	SECTION 20	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.976	SET AT DEPTH - FEET 5175	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5038
GAS PAY ZONE FROM 4686 TO 5074		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .706	GRAVITY X LENGTH 3557
DATE OF FLOW TEST FROM 9-17-68 TO 9-25-68			DATE SHUT-IN PRESSURE MEASURED 3-8-68		

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.) 442
(h) Corrected Meter Pressure (g+e) 442	(i) Avg. Wellhead Press. $P_t = (h+f)$ 442	(j) Shut-in Casing Pressure (DWt) 662	(k) Shut-in Tubing Pressure (DWt) 657	(l) P_c = higher value of (j) or (k) 662	(m) Del. Pressure $P_d = 80\% P_c$ 530	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 69	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 69 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.228	$(F_c Q_m)^2 (1000)$ 421	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 96	P_t^2 195364	$P_w^2 = P_t^2 + R^2$ 195460	$P_w = \sqrt{P_w^2}$ 442
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	69	$\left[\frac{157344}{242784} \right]^n =$	$(0.6480)^n =$	0.7222	= 50 MCF/D
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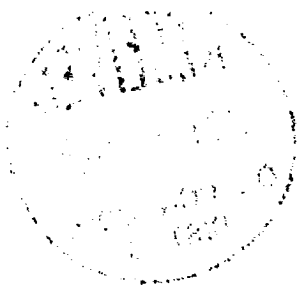
REMARKS:

Installed Intermittent - Turned back on Production 8-12-68.

SUMMARY

Item h 442 Psia
P_c 662 Psia
Q 69 MCF/D
P_w 442 Psia
P_d 530 Psia
D 50 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title Regional Well Test Engineer
Witnessed By
Company



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