

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1971

Form C122-A
Revised 1-1-68

WELL NAME SOUTH BLANCO	WELL SLOPE n = .85	FORMATION PC	COUNTY SAN JUAN
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87-324

COMPANY EL PASO NATURAL GAS COMPANY		WELL NAME AND NUMBER HANCOCK "A" No. 5			
UNIT LETTER H	SECTION 35	TOWNSHIP 28	RANGE 9	PURCHASING PIPELINE EL PASO NATURAL GAS CO;	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2413	TUBING O.D. - INCHES No Tbg	TUBING I.D. - INCHES	TOP TUBING PERF. - FEET
EAT-PAY ZONE FROM 2306 TO 2344		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .642	GRAVITY X LENGTH 1480
DATE OF FLOW TEST FROM 12-6-71 TO 12-14-71			DATE SHUT-IN PRESSURE MEASURED 8-19 71		

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) 0	(f) Friction Loss (c-e) or (b-c) 0	(g) Average Meter Pressure (integr.) 150
(h) Corrected Meter Pressure (g+e) 150	(i) Avg. Wellhead Press. $P_t = (b+f)$ 150	(j) Shut-in Casing Pressure (DWt) 657	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 657	(m) Del. Pressure $P_d = 80$ % P_c 526	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 673	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 673 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.102	$(F_c Q_m)^2 (1000)$ 13956	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 1424	P_t^2 22500	$P_w^2 = P_t^2 + R^2$ 23924	$P_w = \sqrt{P_w^2}$ 155
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 673	$\left(\frac{154973}{407725} \right)^n$ 0.3801	$\left(\frac{0.3801}{0.4395} \right)^n$ 0.4395	296 MCF/D
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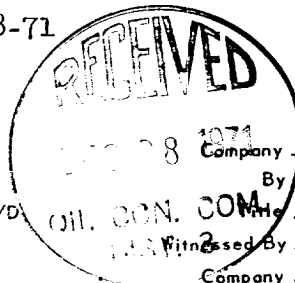
REMARKS: CORRECTED COPY

New Well 1st Del

11-18-71

SUMMARY

Item h 150 Psia
P_c 657 Psia
Q 673 MCF/D
P_w 155 Psia
P_d 526 Psia
D 296 MCF/D



EL PASO NATURAL GAS COMPANY

Company

By

Oil. CON. COM.

Witnessed By

Company