

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME So. Blanco	POOL SIZE n = .85	FORMATION PC	COUNTY SJ
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70-470

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Florance "D" No. 1		
UNIT LETTER I	SECTION 21	TOWNSHIP 27	RANGE 8	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2268	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2190 TO 2210		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .644	GRAVITY X LENGTH 1410
DATE OF FLOW TEST FROM 2-19-70 TO 2-27-70			DATE SHUT-IN PRESSURE MEASURED 12-8-69		

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 (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 149
(h) Corrected Meter Pressure (g+e) 149	(i) Avg. Wellhead Press. $P_i = (b+f)$ 149	(j) Shut-in Casing Pressure (DWt) 416	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_i =$ higher value of (i) or (k) 416	(m) Del. Pressure $P_d = 80$ % P_c 333	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 268	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 268 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.097	$(F_c Q_m)^2 (1000)$ 2213	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 215	P_i^2 22201	$P_w^2 = P_i^2 + R^2$ 22416	$P_w = \sqrt{P_w^2}$ 150
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	268	$\left(\frac{62167}{150640} \right)^n =$	.4126	$=$	.4712	$=$	126 MCF/D
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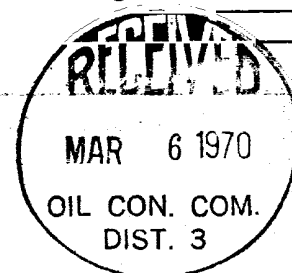
REMARKS:

OK, 1st del. 1-19-70

SUMMARY

Item h 149 Psia
P_c 416 Psia
Q 268 MCF/D
P_w 150 Psia
P_d 333 Psia
D 126 MCF/D

Company El Paso Natural Gas Co.
By A. E. M. M. M.
Title
Witnessed By
Company



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