NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Basin	n= .75	Dakota	San Juan

COMPANY			WELL NAME AND NUMBER		
PAN AMERICAN PETROLEUM CORPORATION			Gallegos Canyon Unit No. 202		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
B	33	29N	12W	El Paso Natural Gas Company	
CASING O.D. – INCHES	CASING I D – INCHES	SET AT DEPTH – FEET	TUBING O.D – INCHES	TUBING I D. – INCHES	TOP – TUBING PERF. – FEET
4.500	4.052	5986	2-3/8	1.995	5826
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5804	TO 5910	CASING	TUBING X	.667	3886
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 3-26-66	TO 4-3-66		11-1-65		

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.)
						497
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. P_t = (h + f)	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure P_d = 50 %P_c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
497	497	2078	2070	2078	1039	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume – MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
			Q = 3162 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c\ Q_m)^2\ (1000)$	$R^2 = (1-e^{-s})\ (F_c\ Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.246	883.821	217.420	247.009	464,429	681

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 3162 \left[\left(\frac{3,238,563}{3,853,655}\right)^n = (.8404)^n = .8777\right] = 2775 \text{ MCF/D}$$

REMARKS:

INITIAL TEST

SUMMARY

Item h	497	Psia
P_c	2078	Psia
Q	3162	MCF/D
P_w	681	Psia
P_d	1039	Psia
D	2775	MCF/D

Company PAN AMERICAN PETROLEUM CORPORATION
By L. Stratton Jr.
Title Area Engineer
Witnessed By
Company

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OIL CON. COM.
DIST. 3