

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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COMPANY Pan American Petroleum Corporation			WELL NAME AND NUMBER Gallegos Canyon Unit No. 222		
UNIT LETTER N	SECTION 7	TOWNSHIP 28-N	RANGE 12-W	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6104	TUBING O.D. - INCHES 2.000	TUBING I.D. - INCHES 1.670	TOP - TUBING PERF. - FEET 5911
GAS PAY ZONE FROM 5933 TO 6058		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .671	GRAVITY X LENGTH 3966
DATE OF FLOW TEST FROM 7-8-66 TO 7-16-66			DATE SHUT-IN PRESSURE MEASURED 5-6-66		

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.) 490
(h) Corrected Meter Pressure (g + e) 490	(i) Avg. Wellhead Press. $P_t = (h + f)$ 490	(j) Shut-in Casing Pressure (DWt) 2101	(k) Shut-in Tubing Pressure (DWt) 2099	(l) P_c = higher value of (j) or (k) 2101	(m) Del. Pressure $P_d = \underline{50} \% P_c$ 1051	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

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 $Q = \underline{3060}$ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.251	$(F_c Q_m)^2 (1000)$ 2,095.589	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 525.993	P_t^2 240.100	$P_w^2 = P_t^2 + R^2$ 766,093	$P_w = \sqrt{P_w^2}$ 875
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{3060}$	$\left[\frac{3,309,600}{3,648,104} \right]^n = \underline{.9072}$	$\underline{.9296}$	$\underline{2845}$ MCF/D
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REMARKS:

SUMMARY

Item h	490	Psia
P_c	2101	Psia
Q	3060	MCF/D
P_w	875	Psia
P_d	1051	Psia
D	2845	MCF/D

Company	PAN AMERICAN PETROLEUM CORPORATION
By	<i>Attorney</i>
Title	Area Engineer
Witnessed By	
Company	

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JUL 28 1966

OIL CON. COM.
DIST. 3