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. 247		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
A	5	27-N	12-W	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	6018	2.375	1.995	5864
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5876 TO 5960		CASING	TUBING X	.666	3905
DATE OF FLOW TEST		DATE SHUT-IN PRESSURE MEASURED			
FROM 8-4-66 TO 8-12-66		5-16-66			

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.)
						504
(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**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
504	504	2062	2057	2062	P_d = 50 %P_c = 1031	

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 = 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.247	122.668	30,299	254.016	284,315	533

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 1178\left[\left(\frac{3,188,883}{3,967,529}\right)^n = .8037^n = .8488\right] = 1000 \text{ MCF/D}$$

REMARKS:

SUMMARY

Item h	504	Psia
P_c	2062	Psia
Q	1178	MCF/D
P_w	533	Psia
P_d	1031	Psia
D	1000	MCF/D

Company PAN AMERICAN PETROLEUM CORPORATION
By G. W. Eaton, Jr.
Title Area Engineer
Witnessed By
Company

RECEIVED
SEP 13 1966
OIL CON. COM.
DIST. 3