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. 193		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
E	30	28	12	El Paso Natural Gas Co.	
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	6261	2.375	1.995	6088
GAS PAY ZONE FROM 6099 TO 6184		WELL PRODUCING THRU CASING	TUBING X	GAS GRAVITY .655	GRAVITY X LENGTH 3988
DATE OF FLOW TEST FROM 3-18-66 TO 3-26-66			DATE SHUT-IN PRESSURE MEASURED 12-15-65		

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	2011	2010	2011	1006	

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 = 3615 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.252	1155.200	291.110	247.009	538,119	734

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 3615\left[\left(\frac{3,032,085}{3,506,002}\right)^n = .8648^{.75} = .9068\right] = 3242 \text{ MCF/D}$$

REMARKS: INITIAL TEST

SUMMARY

Item h	497	Psia
P_c	2011	Psia
Q	3615	MCF/D
P_w	734	Psia
P_d	1006	Psia
D	3242	MCF/D

Company PAN AMERICAN PETROLEUM CORPORATION
By Orginal Signed By: G. W. EATON, JR.
Title Area Engineer
Witnessed By
Company

RECEIVED
APR 15 1966
OIL CON. COM.
DIST. 3