

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-66

POOL NAME Ballard	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY Sandoval
-----------------------------	------------------------------	-------------------------------------	---------------------------

COMPANY PAN AMERICAN PETROLEUM CORPORATION			WELL NAME AND NUMBER Jicarilla Tribal 360 No. 2		
UNIT LETTER I	SECTION 1	TOWNSHIP 22	RANGE 3	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 2863	TUBING O.D. - INCHES 1.990	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 2738
GAS PAY ZONE FROM 2729 TO 2753		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .706	GRAVITY X LENGTH 1933
DATE OF FLOW TEST FROM 12-2-69 TO 12-9-69			DATE SHUT-IN PRESSURE MEASURED 6-12-69		

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)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.) 239
(h) Corrected Meter Pressure (g + e) 239	(i) Avg. Wellhead Press. $P_t = (h + f)$ 239	(j) Shut-in Casing Pressure (DWt) 740	(k) Shut-in Tubing Pressure (DWt) 740	(l) P_c = higher value of (j) or (k) 740	(m) Del. Pressure $P_d = \frac{80}{592} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 656	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 656 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
Friction Loss Negligible					

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	656	$\left(\frac{197,136}{490,479} \right)^n =$	$.4019^n =$	$.4591$	$=$	301 MCF/D
--	-----	--	-------------	---------	-----	-----------

REMARKS:

SUMMARY

Item h 239 Psia
 P_c 740 Psia
 Q 656 MCF/D
 P_w 239 Psia
 P_d 592 Psia
 D 301 MCF/D

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



