

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n= 75	FORMATION Mesaverde	COUNTY San Juan
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COMPANY PUBCO PETROLEUM CORP.			WELL NAME AND NUMBER State Com. F #1-X		
UNIT LETTER N	SECTION 36	TOWNSHIP 32 North	RANGE 12 West	PURCHASING PIPELINE Southern Union Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5,499 KB	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5,432
GAS PAY ZONE FROM 4,442 TO 5,434		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .684	GRAVITY X LENGTH 3,715
DATE OF FLOW TEST FROM 9-17-67 TO 9-25-67			DATE SHUT-IN PRESSURE MEASURED 10-1-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 586	(b) Flowing Tubing Pressure (DWt) 525	(c) Flowing Meter Pressure (DWt) 528	(d) Flow Chart Static Reading 533	(e) Meter Error (Item c - Item d) -5	(f) Friction Loss (a - c) or (b - c) -3	(g) Average Meter Pressure (Integr.) 518
(h) Corrected Meter Pressure (g + e) 513	(i) Avg. Wellhead Press. $P_t = (h + f)$ 510	(j) Shut-in Casing Pressure (DWt) 774	(k) Shut-in Tubing Pressure (DWt) 736	(l) P_c = higher value of (j) or (k) 774	(m) Del. Pressure $P_d = \frac{80}{619} \% P_c$ 619	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 397	Quotient of $\frac{\text{Item c}}{\text{Item d}} = \frac{528}{533}$.99527	Corrected Volume $Q = 395$ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.237	$(F_c Q_m)^2 (1000)$ 13,792	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 3,269	P_t^2 260,100	$P_w^2 = P_t^2 + R^2$ 263,369	$P_w = \sqrt{P_w^2}$ 513
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{215,915}{335,707} \left[\frac{215,915}{335,707} \right]^{.75} = \frac{.64316}{.7182} = .895$ 284 MCF/D

REMARKS:

SUMMARY

Item h 513 Psia
 P_c 774 Psia
 Q 395 MCF/D
 P_w 513 Psia
 P_d 619 Psia
 D 284 MCF/D

Company PUBCO PETROLEUM CORP.
 By Glen O. Rhodes
 Title Field Foreman
 Witnessed By Bill Toler
 Company Pubco Petroleum Corp.

