

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

Form C122-A
Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY Coastline Petroleum Co., Inc.			WELL NAME AND NUMBER Schalk 55-1		
UNIT LETTER A	SECTION 3	TOWNSHIP 30N	RANGE 5W	PURCHASING PIPELINE Northwest Pipeline	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 3.958	SET AT DEPTH - FEET 8067	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7971
GAS PAY ZONE FROM 7940 TO 8039		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .590	GRAVITY X LENGTH 4703 ✓
DATE OF FLOW TEST FROM 1-19-75 TO 1-27-75			DATE SHUT-IN PRESSURE MEASURED 1-16-74		

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.) 211
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$ 211 ✓	(j) Shut-in Casing Pressure (DWt) 2917	(k) Shut-in Tubing Pressure (DWt) 2917	(l) P_c = higher value of (j) or (k) 2917 ✓	(m) Del. Pressure $P_d =$ 50 % P_c 1459 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 121	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume $Q =$ 121 ✓ MCF/D
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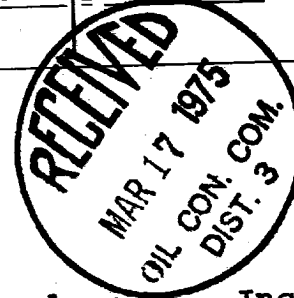
WORKING PRESSURE CALCULATION

$(1 - e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 211
Friction loss negligible					

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{121} \left[\frac{6,380,208}{8,464,368} \right]^{.7538} = \underline{.8089} = \underline{98} \text{ MCF/D}$$

REMARKS:



SUMMARY

Item h **211** ✓ Psia
 P_c **2917** ✓ Psia
 Q **121** ✓ MCF/D
 P_w **211** ✓ Psia
 P_d **1459** ✓ Psia
 D **98** ✓ MCF/D

Company **Coastline Petroleum Co., Inc.**
 By **J. H. Watkins**
 Title **Agent**

Witnessed By _____

Company _____

OK