

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

Form C122-A  
 Revised 1-1-66

POOL NAME <b>Basin</b>	POOL SLOPE n = <b>.75</b>	FORMATION <b>Dakota</b>	COUNTY <b>Rio Arriba</b>
---------------------------	------------------------------	----------------------------	-----------------------------

COMPANY <b>Coastline Petroleum Co., Inc.</b>			WELL NAME AND NUMBER <b>Schalk 63-1</b>		
UNIT LETTER <b>M</b>	SECTION <b>34</b>	TOWNSHIP <b>32N</b>	RANGE <b>5W</b>	PURCHASING PIPELINE <b>Northwest Pipeline</b>	
CASING O.D. - INCHES <b>4.500</b>	CASING I.D. - INCHES <b>3.958</b>	SET AT DEPTH - FEET <b>8046</b>	TUBING O.D. - INCHES <b>2.375</b>	TUBING I.D. - INCHES <b>1.995</b>	TOP - TUBING PERF. - FEET <b>7950</b>
GAS PAY ZONE FROM <b>770</b> TO <b>7894</b>		WELL PRODUCING THRU CASING _____ TUBING <b>X</b>		GAS GRAVITY <b>.599</b>	GRAVITY X LENGTH <b>4762</b> ✓
DATE OF FLOW TEST FROM <b>1-18-75</b> TO <b>1-26-75</b>			DATE SHUT-IN PRESSURE MEASURED <b>1-25-74</b>		

**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.)  <b>218</b>
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$ <b>218</b> ✓	(j) Shut-in Casing Pressure (DWt) <b>2617</b>	(k) Shut-in Tubing Pressure (DWt) <b>2562</b>	(l) $P_c$ = higher value of (j) or (k) <b>2617</b> ✓	(m) Del. Pressure $P_d = \frac{50}{1309}$ % $P_c$ ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

**FLOW RATE CORRECTION (METER ERROR)**

Integrated Volume - MCF/D <b>219</b>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <b>1.000</b>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <b>1.000</b>	Corrected Volume $Q = \mathbf{219}$ ✓ MCF/D
---	---	--	--

**WORKING PRESSURE CALCULATION**

$(1 - e^{-s})$ ✓ <b>.293</b>	$(F_c Q_m)^2 (1000)$ ✓ <b>4,240</b>	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ ✓ <b>1,242</b>	$P_t^2$ ✓ <b>47,524</b>	$P_w^2 = P_t^2 + R^2$ ✓ <b>48,766</b>	$P_w = \sqrt{P_w^2}$ ✓ <b>220</b>
---------------------------------	--	---	----------------------------	--	--------------------------------------

**DELIVERABILITY CALCULATION**

$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \mathbf{219}$	$\left[ \frac{5,135,208}{6,799,923} \right]^n \cdot \mathbf{.7552} = \mathbf{.8102}$	$\mathbf{177}$ ✓ MCF/D
---	--	------------------------

REMARKS:

SUMMARY

Item h 218 ✓ Psia  
 P<sub>c</sub> 2617 ✓ Psia  
 Q 219 ✓ MCF/D  
 P<sub>w</sub> 220 ✓ Psia  
 P<sub>d</sub> 1309 ✓ Psia  
 D 177 ✓ MCF/D

Company Coastline Petroleum Co., Inc.

By J. H. [Signature]

Title Agent

Witnessed By \_\_\_\_\_

Company \_\_\_\_\_



