



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

February 11, 1976

Yates Petroleum Corporation
207 South Fourth Street
Artesia, New Mexico 88210

Re: Richards Knob Cisco Canyon
Sowers FE, No. 1
4-Point Back Pressure
Test, Gas Sample
and Analysis

Gentlemen:

In compliance with your instructions, a 4-Point Back Pressure test was conducted, and the absolute open flow potential was calculated to be 1796 MCF/day. The average production was recorded to be 456.3 MCF/day with 0.00 bbls D/day.

The sample taken during the test yielded component percentages as follows:

Carbon Dioxide	.022
Nitrogen	1.520
Methane	84.496
Ethane	8.997
Propane	2.994
Iso-Butane	.361
N-Butane	.755
Iso-Pentane	.240
N-Pentane	.248
Hexanes	.172
Heptanes	<u>.195</u>
Total	100.000
Calculated Sp. Gr.	0.6679
Calculated BTU Dry	1162
Calculated BTU Wet	1142

Very Truly Yours,

Joe A. Coleman
Joe A. Coleman

Enclosures

JAC/me