



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

RECEIVED

SEP 21 1971

September 4, 1971

SHENANDOAH OIL CORP.
703 V & J Tower
Midland, Texas 79701
~~Shenandoah Oil Corporation~~
~~1018 Commerce Bldg.~~
~~Ft. Worth, Texas~~

O. C. C.
ARTESIA, OFFICE

RE: Haystack Cisco Gas
Federal L, No.1
4-Point Back Pressure
Test, Gas Sample &
Analysis test

Gentlemen:

In compliance with your instructions, A 4-point Back Pressure test was conducted, and the absolute open flow potential was calculated to be 40,800 MCF/D. The average Gas production was recorded as 2923.2 MCF/D, with 82.76 BW/D, with a resulting GOR of 35321 CF Gas/BO.

The sample taken during test yielded component percentages as follows:

CARBON DIOXIDE	0.18
NITROGEN	4.42
METHANE	85.73
ETHANE	5.77
PROPANE	1.89
ISO-BUTANE	0.22
NORMAL BUTANE	0.40
ISO-PENTANE	0.21
NORMAL PENTANE	0.30
HEXANES	0.52
HEXANES plus	0.36

TOTAL	100.00
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CALCULATED Sp. G.	0.6609
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CALCULATED BTU SAT. Dry	1102
CALCULATED BTU SAT. Wet	1082

Very Truly Yours

COLEMAN PETROLEUM ENG. CO.

Joe A. Coleman
Joe A. Coleman