





# COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

October 20, 1971

Shenandoah Oil Corporation  
1018 Commerce Bldg.  
Ft. Worth, Texas

RE: Haystack Cisco Gas  
State L, No. 1  
Flow Test and Gas  
Sample and Analysis  
Test

Gentlemen:

In compliance with your instructions, a Gas Volume test was conducted on your State L, No. 1, and the volume was calculated to be 341.0 MCF/D, through a 20/64" choke.

The Sample taken during test yielded component percentages as follows:

CARBON DIOXIDE	0.16
NITROGEN	4.19
OXYGEN	0.00
HYDROGEN SULFIDE	0.00
METHANE	87.14
ETHANE	4.92
PROPANE	1.99
ISO-BUTANE	0.34
NORMAL BUTANE	0.64
ISO-PENTANE	0.18
NORMAL PENTANE	0.18
HEXANES plus	0.26
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	100.00
Calculated Sp. G.	0.6434
Calculated BTU Sat Dry	1077
Calculated BTU Sat wet	1058

Very Truly Yours

COLEMAN PETROLEUM ENG. CO.

*Joe A. Coleman*  
Joe A. Coleman

RECEIVED

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D. C. C.  
ARTESIA, OFFICE