



# COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3-3813

611 GRIMES

P. O. BOX 1829

HOBBS, NEW MEXICO

MAY 5, 1971

SHENANDOAH OIL CORPORATION  
1018 COMMERCE BLDG.  
FORT WORTH, TEXAS

RE: HAYSTACK CISCO GAS  
REEVES & STEVENS M  
FEDERAL, 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 580 MCF/D. THE AVERAGE GAS PRODUCTION WAS RECORDED AS 314.8 MCF/D, WITH 130.56 BW/D. WATER PRODUCTION WAS RECORDED AS 76.14 BW IN 14 HOURS.

THE SAMPLE TAKEN DURING TEST YIELDED COMPONENT PERCENTAGES AS FOLLOWS:

CARBON DIOXIDE	0.10
NITROGEN	3.79
OXYGEN	0.00
HYDROGEN SULFIDE	0.00
METHANE	89.76
ETHANE	3.81
PROPANE	1.49
ISO-BUTANE	0.21
NORMAL BUTANE	0.36
ISO-PENTANE	0.08
NORMAL PENTANE	0.08
HEXANES PLUS	0.32

TOTAL 100.00

CALCULATED SP. G.	0.6231
CALCULATED BTU SAT DRY	1053
CALCULATED BTU SAT WET	1035

RECEIVED  
MAY 17 1971  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

VERY TRULY YOURS  
COLEMAN PETROLEUM ENG. CO.

*Joe A. Coleman*  
JOE A. COLEMAN