



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3-3813

611 GRIMES

P. O. BOX 1829

HOBBS, NEW MEXICO

MARCH 13, 1970

HANSON OIL COMPANY
P. O. Box 1515
ROSWELL, NEW MEXICO

RE: BUFFALO VALLEY ATOKA GAS
MILLER FEDERAL, No. 1
4-POINT BACK PRESSURE
TEST, GAS SAMPLE 3
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 430 MCF/D. THE AVERAGE GAS PRODUCTION WAS RECORDED AS 324.7 MCF/D WITH 12.43 SC/D, AND A RESULTING GOR OF 20122 CF GAS/SC. THE SAMPLE TAKEN DURING TEST YIELDED COMPONENT PERCENTAGES AS FOLLOWS:

CARBON DIOXIDE	0.34
NITROGEN	0.37
OXYGEN	0.00
HYDROGEN SULFIDE	0.00
METHANE	89.41
ETHANE	6.58
PROPANE	2.22
ISO-BUTANE	0.28
NORMAL BUTANE	0.51
ISO-PENTANE	0.11
NORMAL PENTANE	0.09
HEXANES PLUS	0.09

TOTAL	100.00
CALCULATED SP. G.	0.6298

CALCULATED BTU SAT WET	1147
CALCULATED BTU SAT DRY	1127

RECEIVED

MAR 24 1970

O. C. C.
ARTESIA, OFFICE

VERY TRULY YOURS

COLEMAN PETROLEUM ENG. CO.

Joe A. Coleman
JOE A. COLEMAN

ENCLOSURES: