



# COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3-3813

W. J. GRIMES

P. O. BOX 1829

HOBBS, NEW MEXICO

OCTOBER 15, 1968

PENNZOIL UNITED, INC.  
P. O. DRAWER 1828  
MIDLAND, TEXAS

RE: GAS VOLUME TEST  
SAMPLE ANALYSIS

GENTLEMEN:

IN COMPLIANCE WITH YOUR INSTRUCTIONS A 4-POINT BACK PRESSURE TEST WAS CONDUCTED AND A GAS SAMPLE TAKEN DURING THE FLOW PERIOD.

THE ABSOLUTE OPEN FLOW WAS CALCULATED TO BE 2055 MCF/D. THE AVERAGE PRODUCTION DURING THE TEST WAS 1168.97 MCF WITH 12.00 BO/D WITH A RESULTING GOR OF 97414 CF GAS/BO. THE GAS SAMPLE YIELDED COMPONENT PERCENTAGES AS FOLLOWS:

CARBON DIOXIDE	1.07
NITROGEN	2.25
OXYGEN	0.00
HYDROGEN SULFIDE	0.00
METHANE	79.56
ETHANE	8.99
PROPANE	4.62
ISO BUTANE	0.69
NORMAL BUTANE	1.43
ISO PENTANE	0.36
NORMAL PENTANE	0.34
HEXANE PLUS	0.69
TOTAL	100.00
CALCULATED SP. G.	0.7239

RECEIVED  
OCT 16 1968  
MIDLAND TEXAS

VERY TRULY YOURS

COLEMAN PETROLEUM ENG. CO.

*Joe A. Coleman*  
JOE A. COLEMAN