JOHNSTON

Schlumberger

COMPUTERIZED DATA ANALYSIS

JANUARY 22, 1980

GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION PRODUCED ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT BUT ADEQUATE SHUT-IN BUILD-UPS DID NOT OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS. AFTERFLOW WAS STILL IN EFFECT ON THE INITIAL AND FINAL SHUT-IN BUILD-UPS TO THE EXTENT THAT THE PLOTS ARE CONSIDERED UNRELIABLE FOR ANALYSIS.

THE CONTOUR OF THE SHUT-IN BUILD-UP CURVES INDICATE THAT THE WELL IS UNDER THE INFLUENCE OF MULTIPLE LAYERS OR A NATURAL FRACTURE SYSTEM. LOGS SHOULD BE CONSULTED TO VERIFY THIS. A SKIN DAMAGE OR A PSEUDO DAMAGE CAN ALSO BE NOTED BY THE ABRUPT RISE IN PRESSURE IMMEDIATELY AFTER THE TOOL IS SHUT-IN FOR EACH SHUT-IN. A FLOW RATE BASED ON THE GRADIENT OF THE RECOVERED FLUID WAS ESTIMATED TO BE 700 BOPD WITH A 546 SCF/STB GOR AND AN APT GRAVITY OF 51° @ 60°F.

Dennis Myren

DENNIS MYREN
RESERVOIR EVALUATION
DEPARTMENT

ENSERCH EXPLORATION, INC.
LAMBIRTH #9; ROOSEVELT COUNTY, NEW MEXICO
TEST #1; 7804' TO 7830'
LOCATION: 560' FSL, 560' FEL, SEC. 25 - T5S - 32E

FIELD REPORT # 19632 D