YATES FEDERAL "B" GAS COM
DRILL STEM TEST RESULTS

DST # 1 8040-8105 STRAWN TO EVAL DRL BREAK 8060-8070 BY TELEFLOW TST SYSTEM: ON 10 MIN CLOSED CHAMBER INITIAL PREFLOW NEGLIGIBLE FLOW RATE WAS INDICATED. R 90 MIN ISIBHP. ON 82.5 MIN FINAL FLOW AVG CLOSED CHAMBER FLOW RATE OF 1.05 MCFPD WAS CALCULATED APPARENTLY FROM LOW PERMEABILITY FM. R 180 MIN FSIBHP. NOTE MUD CUSHION 10.1 LAB/GAL RESULTED FOR TST DUE TO HOLE IN DP X FILL-UP OCCURRING. REC 1023 FT 8.2 BBLSGDRLG MUD CUSHION IN DP X RESISTIVITY 0.05 AT 69 DEG F X 186000 PPM TOTAL ST BY REFRACTOMETER IN TOP 0.05 AT 69 DEG F X 218000 PPM IN MIDDLE X 0.04 AT 69 DEG F X 237000 PPM X SLIGHTLY GAS-CUT IN BTM OF REC. SAMPLE CHAMBER REC AT 410 PSI OF 2.1 CU FT OF GAS X 1020 CC MUD X RESISTIVITY 0.04 AT 69 DEG F X 237000 PPM TOTAL ST BY REFRACTOMETER VS PIT MUD 0.04 AT 69 DEG F 237000 PPM TOTAL ST. GAS-LIQ RATIO 2782 CU FT PER BBL. IHH 4326 PSI. 10 MIN IFBHP 709-709 PSI. 90 MIN ISIBHP 1782 PSI STILL BUILDING. 82.5 MIN FFBHP 709-715 PSI.
180 MIN FSIBHP 2211 PSI STILL BUILDING. FHH 4326 PSI.
BHT 150 DEG F. NOTE - VISUAL INTERPRETATION OF CHART INDICATES VERY LOW PERMEABILITY FM FROM PRS BU DATA.

DST #2 8275-8355 ATOKA TO EVAL SAND STRINGERS 8304-8308 X 8330-8333 BY LYNES INFLATABLE STRADDLE PKR TST: ON 10 MIN PREFLOW OPENED TOOL X WEAK BLOW OF AIR IMMEDIATELY INCREASING TO STRONG BLOW IN 1 MIN X REGISTERING 3 PSI IN 8 MIN. R 60 MIN ISIBHP. ON 60 MIN FINAL FLOW OPENED X STRONG BLOW OF AIR 1 PSI IN 5 MIN X CONTINUING X 1-1/2 PSI IN 10 MIN. OPENED ON 1/4" CH AT 15 MIN X BLOW DIMINISHED X DIED IN 20 MIN. R 60 MIN FSIBHP. REC 200 FT OF DRL MUD IN DP X RESISTIVITY 0.40 AT 85 DEG F X 170000 MG/L CHL IN TOP 0.25 AT 85 DEG F X 165000 MG/L IN MIDDLE X 0.10 AT 90 DEG F X 165000 MG/L IN BTM OF REC. SAMPLE CHAMBER REC AT 50 PSI OF CC OF GAS 0 CC OF OIL X 650 CC DRL FL X RESISTIVITY 0.23 AT 84 DEG F X 170000 MG/L CHL VS PIT MUD 0.18 AT 95 DEG F X 185000 MG/L CHL. IHH 4455 PSI. 10 MIN IFBHP 77.51-77.51 PSI.
60 MIN ISIBHP 232.53 PSI. 60 MIN FFBHP 51.67-77.51 PSI.
60 MIN FSIBHP 103.35 PSI. FHH 4379 PSI. BHT 196 DEG F.