

PICKETT DRAW FEDERAL #1

8-19-87 11,290' 70% LIME 30% SHALE, 40,000 BIT WT., DRILLING, SEPARATOR AND STEEL PITTS, 600 UNITS BACKGROUND GAS, 650 UNITS CONN. GAS, 30' FLARE, BREAK @ 11,148'-11,168' 40 UNITS GAS-3250 UNITS GAS. SI WELL TO TAKE SI DP PRESSURE. MUD WT. 10.0, VIS. 28, WL. NO CONTROL, PH 10, 183,000 CHL. 60 RPM'S, 1600 PUMP PRESSURE, BIT #10 8 1/2" H.T.C., J-33C, NJ 700 3/11 IN 10,100, MADE 1180' IN 55 3/4 HRS., SURVEY @ 11,047' 3/4, SI 450# DP, 800# CSG., CIRC. W/1100# BP 2ND CIRC. 400# BP, MADE 320' IN LAST 24 HRS., 16 1/2 HRS. DRLG., 174 HR. SERVICE RIG, 1 HR. SURVEY, 4 3/4 HRS. CIRC. THRU CHOKES, 1 1/2 HR. SI WELL, DMC:\$0, CMC:\$27,916.00 DWC:\$7,275.00, CWC:\$678,915.00.

8-20-87 11,480' 90% LIME, 10% SHALE, 45,000 BIT WT. PRESENT OPERATION: CIRC. & COND. MUD TO 11.5# MUD WT. FLARE DIED WHEN MUD WT. REACHED 11.1#. COMING OUT OF HOLE FOR DST #2 (11,150-11,480') MUD WT. 11.5, VIS. 35, WL. 20, PH 10, 18,300 CHL. 60 RPM'S PUMP PRESSURE 2000#, REACHED 11,480' @ 10 PM. 15 3/4 HRS. DRLG., 8 1/4 HRS. CIRC & COND. MUD. DMC:\$4100.00 CMC:\$31,010. DWC:\$4585.00, CWC:\$683,500.00.

8-21-87 11,480' 90% LIME, 10% SHALE, PRESENT OPERATION: SHUT IN FOR FINAL SHUT IN PRESSURE ON DST #2 (11,148-11,480') @ 5 AM. MUD WT. 11.5, VIS. 35, WL. 20.4, PH 10, 194, CHL., BIT #10 8 1/2", H.T.& C., J-33C, NJ-700, 3-11, IN @ 10,100' OUT @ 11,480'. MADE 1380' IN 71 1/2 HRS. SURVEY @ 11,480' 1 CIRC. & CONDITION MUD, TRIP OUT OF HOLE. PICK UP HALLIBURTON TEST TOOL. TRIP IN HOLE FOR DST #2 (11,148-11,480') (332'). 5000' WATER BLANKET. OPEN TOOL FOR INITIAL FLOW FOR 15 MIN. VERY STRONG BLOW BUT NO PRESSURE. INITIAL SHUT IN FOR 30 MIN. RE OPENED FOR FINAL FLOW. GAS TO SURFACE IN 2 HRS. 5 MIN. RECOVERED 5000' WATER BLANKET. 950# MAX. SURFACE PRESSURE W/FLOW RATE OF 861 MCF/DAY. PRESSURE AND FLOW RATE DECREASED TO 480# W/FLOW RATE OF 656 MCF/DAY WHEN SHUT IN @ 5 AM. WILL BEGIN OUT OF HOLE W/TEST @ 12 PM (NOON). 24 HRS. DST #2, DAILY MUD COST: \$11,136.00, CMC:\$44,844.00, DWC:\$3,850.00 CWC: \$687,400.00.

8-22-87 11,525' 80% LIME, 20% SHALE, 50,000# BIT WT. 350 BACKGROUND GAS, 500 CONN. GAS, 1720 TRIP GAS, 11.5 MUD WT., VIS. 35, 20.4 WATER LOSS, PH 10, 194,000 CHL. 60 RPM'S, 2000# PUMP PRESSURE, 101 STROKES, BIT #11, 8 1/2", H.T.&C., J-44C, NM-468, 3-12, IN @ 11,480' MADE 45' IN 5 3/4 HRS. DST #2 TOOL CLOSED IN. PULLED PACKER AND REVERSED OUT TEST TANK. LAID DOWN TEST TOOL. TRIP IN W/BIT. HAD 40' OF FILL. MADE 45' IN LAST 24 HRS., 5 3/4 HRS. DRLG. 3/4 HRS. WASH & REAM TO BOTTOM, 3 HRS. TRIP IN HOLE, 6 HRS. DST #2, 5 1/2 HRS. TRIP OUT OF HOLE W/DST #2, 3 HRS. BREAKDOWN TEST TOOL AND PREPARE TO GO BACK TO DRILLING.