

O'BRIANT ENGINEERING

P.O. Box 10487

Midland, Texas 79702

915-683-5511

915-683-3172

September 6, 1989

BETTIS BOYLE & STOVALL
POKER LAKE UNIT NO. 71
EDDY COUNTY, NEW MEXICO

WELL DATA (As of August 11, 1989)

TOTAL DEPTH: 14,822' K.B. ELEVATION: 3374' K.B.
3349' G.L.

K.B. TO G.L.: 25 feet

CASING: 20" at 618' K.B., 1675 sacks, circulated.
1st intermediate: 13 3/8" at 3753' K.B., 3000 sacks
circulated.
2nd intermediate: 9 5/8" at 11,145' K.B.; 1700 sacks
(12.25" hole)
Liner: 5-1/2" from 10,952' - 14,822' K.B.

PLUG BACK DEPTH: Top of 5-1/2" liner at 10,952' K.B.
Top of float collar in 5-1/2" liner at 14,785' K.B.
Cast Iron Bridge Plug at 14,200' K.B.

PERFORATIONS: 14,226' - 14,266' (2 SPF)
14,340' - 14,358' (4 SPF)
14,471' - 14,500' (116 holes)
14,516' - 14,522' (24 holes)
13,292' - 13,293' (four squeeze holes)
Cement squeezed with 155 sacks Class "H" cement with
0.6% Halad 9 at 15.6#/gallon.
13,317' - 13,332' (30 holes)
13,202' - 13,206' (16 holes)

TREATMENT: 14,226 - 14,358: spotted 250 gallons 10% Acetic Acid
14,471 - 14,522: 7000 gallons 7 1/2% Moroflo plus 255,000
SCF Nitrogen, 1000 scf/bbl., 50,000 scf pad.
14,340 - 14,358: Spotted 250 gallons 10% Acetic Acid
14,340' - 14,358': 3600 gallons 7 1/2% Moroflo acid,
185,000 scf/nitrogen, 50,000 scf pad, 1000scf/bbl.
14,226 - 14,266: Spotted 250 gallons 10% Acetic Acid.
14,226 - 14,266: 8000 gallons 7 1/2% moroflo acid with
245,000 scf/nitrogen, 50,000 scf pad, 1000 scf/bbl.
14,226-14,358': Frac with 16,464 gallons versagel 1500,
3702 gallons CO2, and 9000# sand.
13,317 - 13,332: 3000 gallon MOD-202 Acid and 1000 scf
nitrogen/bbl.