

# CASE HISTORY

## NEWFIELD EXPLORATION COMPANY

LA RUCIA # 17 PIONEER RIG 4  
SOUTH TEXAS—FALFURRIAS AREA

### NEWFIELD PERSONNEL:

JIM METCALF ... DRILLING MANAGER

STAN WILLIAMS ... DRILLING ENGINEER

GARY CARR ... RIG COMPANY MAN



CASING SET

2,100' of 10 3/4"

9,065' of 7 5/8"

10,250' of Total Depth

6 1/2" HOLE WAS DRILLED FROM 9,065 TO 10,250'. SWEPT HOLE EVERY 200 TO 300 FEET WITH 50 BBL OF LIQUID CASING FINE PILL AT 30# /BBL TO REDUCE SEEPAGE, DIFFERENTIAL STICKING AND TIGHT HOLE CONDITIONS. DRILLED TO TOTAL DEPTH WITH 17.6 PPG OIL BASE MUD. LOST COMPLETE CIRCULATION AT TOTAL DEPTH AFTER LOGGING MIXED AND PUMPED 100 BBL PILL WITH 50# /BBL LIQUID CASING COARSE SPOTTED. REGAINED COMPLETE CIRCULATION. WITH LIQUID CASING NO WAITING OR DOWN TIME IS REQUIRED. RAN CASING AND CEMENTED SUCCESSFULLY.

NOTES: HISTORY OF WELLS IN GENERAL AREA

LOSS CIRCULATION IS ALMOST ALWAYS ENCOUNTERED BELOW INTERMEDIATE CASING AND TREATMENT WITH VARIOUS PRODUCTS IS ERRATIC AND UNSUCCESSFUL. LOSS OF RIG TIME IS SUBSTANTIAL BECAUSE OF WAITING TIME FOR PRODUCTS TO SET-UP.

MARKETING INTELLIGENCE ADVISES THAT THE SUCCESSFUL DRILLING, LOGGING AND RUNNING OF CASING WITH VERY MINIMUM OF HOLE PROBLEMS IS A FIRST IN THIS AREA.