

Texaco Producing Inc.
Malaga Harroun "31" Well No. 1

CEMENTING PROGRAM

18 5/8" Conductor: Redi-mix

13 3/8" Casing: Circulate to surface using 600 SX Class H with 2% Cacl₂ (15.6ppg, 1.19f3/s, 5.2gw/s).

9 5/8" Casing: Circulate to surface using 800 SX 35/65 Poz Class H with 6% Gel & 5% Salt (12.8ppg, 1.87f3/s, 9.9gw/s). F/B 250 SX Class H with 2% Cacl₂ (15.6ppg, 1.19f3/s, 5.2gw/s).

7" Casing: Circulate to surface using 800 SX 35/65 Poz Class H with 6% Gel, 5% Salt, 1/4# Flocele, 0.3% HR-4 (12.8ppg, 1.87f3/s, 9.9gw/s). F/B 200 SX Class H with 0.2% HR-7 (15.6ppg, 1.18f3/s, 5.2gw/s).

DV Tool @ 5300': 2nd Stage - 700 SX 35/65 Poz Class H with 6% Gel, 5% Salt, 1/4# Flocele (12.8ppg, 1.87f3/s, 9.9gw/s).

5" Liner: 125 SX Class H with 5% Salt, 0.3% Halad 22-A & 0.1% HR-7 (15.6ppg, 1.20f3/s, 5.2gw/s).

Sqz Top @ 10200': 300 SX Class H with 5% Salt, 0.3% Halad 22-A & 0.1% HR-7 (15.6ppg, 1.20f3/s, 5.2gw/s).