

FASKEN OIL AND RANCH, LTD.
MARALO "34" FEDERAL NO. 3
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Recovery: 540' (2.7 bbls.) drilling mud. CI 145,000 ppm, pit CI 145,000 ppm
Sampler: 800 psig, 5.354 cu.ft. gas, 0 fluid
Pressure: Inside gauge

IHP	5809 psig
IFPF	414 psig
FPFP(5")	414 psig
ISIP(60")	1374 psig
IFP	432 psig
FFP(180')	986 psig
FSIP(6 hrs)	1565 psig
FHP	5789 psig
BHT 177 deg. F	

Set 5-1/2" 20# and 17# N-80 casing @ 11,104'. Cemented in 3 stages with DV tools at 8545' and 5014' as follows;

1st stage: Pumped 10 bfw, 500 gallons Mud Clean II, 10 bfw and 750 sx Super "C" Modified with 1.4% FL-25, 1% salt, 0.2% CD-32 (s.w. 14.0 ppg, yield 1.34 ft³/sx). Plug down at 6:00 pm CDT 5-13-99. Circulated 170 sx excess cement.

2nd stage: Pumped 10 bfw, 500 sx BJ light with 6% gel, 1% salt, 0.4% FL-62, and 0.2% FL-52 (s.w. 12.6 ppg, yield 2.01 ft³/sx) and 100 sx Class "H" neat (s.w. 15.6 ppg, yield 1.18 ft³/sx). Plug down at 1:05 am CDT 5-14-99. Circulated approximately 10 bbls of preflush water.

3rd stage: Pumped 10 bfw, 500 gallons Mud Flush II, 10 bfw, 910 sx Super "C" Modified with 1% salt, 0.4% FL-25, 0.3% CD-32 (s.w. 14.2 ppg, yield 1.30 ft³/sx) and 100 sx Class "C" neat (s.w. 14.8 ppg, yield 1.32 ft³/sx). Plug down at 8:55 am CDT 5-14-99. Top of cement at 2030' per temperature survey.

NU tubinghead and flow tree. RD rotary tools.

5-20-99 Move out rotary tools. WO completion unit.