

MESA PETROLEUM CO.

AMERADA STATE # 1

CORE ANALYSIS

Core # 1 8276'-8320'

Cut 44' - rec. 42'. Rec. 42' dolo, tan brn with scattered spotty to streaked oil stain, scattered pinpoint to small vuggy porosity, yellow patchy to spotty fluor and some inter xln drlg in upper portion of core from 8276'-8304'. From 8304'- 8318' dense, no vis porosity with possible vertical frac in bottom 2 feet.

Core # 2 8230'-8365'

Cut 45' and rec 45' of dolomite, dense, clean to shaly with trace of slight bleeding oil from 8334'-35' and 8344'-45'. Few high angle fractures.

DST SUMMARY

DST # 1 8240'-8365' Drinkard

Opened on 30" PF with very weak blow, increased to weak (3/4" under water) and stabilized. SI 90". Reopened on 60" FF with weak blow (1/2" under water) and increased slightly in 15" (3/4" in water) but decreased slightly at end of flow. SI 180". Rec. 30' DM, SOC. Filtrate 40,000 ppm, pit 45,000 ppm. Sampler had 3200 cc DM, SOC at 50 psi with no gas. BHT 172°. IHH 3926, 30" PF 66-66, 90" ISI 733, 60" FF 66-66, 180" FSI 1098, FHH 3910.

DST # 2 6540'-6640' (straddle test - Paddock)

Opened on 30" PF with weak blow, increased to fair (4" in bucket) in 15", and very slightly increased to end of flow period. SI 90". Reopened for 180" FF with weak blow, increased to fait (4" in bucket) in 15". Increased to 8" in bucket in 30" and 12" in bucket in 60". Stabilized for duration of flow period. SI 360". Rec. 1200' drilling fluid with 60,000 ppm pit chlorides: 60,000ppm. IHH 3169, 30" PF 75-325, 90" ISI 2521, 180" FF 325-600, 360" FSI 2471, FHH 3169. Sampler had 3000 cc of drilling fluid at 500 psi. BHT 156°F.