

ASTAL MANAGEMENT CORPORATION
DRILLING/WORKOVER REPORT

St. Mary Project

Parkway Delaware Unit #304

Drill & Complete

AFE #96063

Capital \$ 308,775

04/29/97 Present Operation - Drilling. Current Depth: 2475'. Footage drld: 833'. Drill new formation, survey - 1 3/4 degree @ 1704', 2 1/2 degree @ 2329'. Lost all returns @ 1965'. Dry drilled to present depth.

DWC - \$ 12,239
CWC - \$ 187,839

04/30/97 Present Operation - Drilling. Current Depth: 2994'. Footage drld: 519'. Note: wind was high. Ripped hole in both reserve pits. Lost folume finished repairing same @ 11p.m. Drill new formation dry, survey - 2 1/2 degree @ 2518', 2 3/4 degrees @ 2744'. Pump repair.

DWC - \$ 15,925
CWC - \$ 203,764

05/01/97 Drill new formation, survey 2 3/4 degree @ 3045'. LD DP & DC. Run csg, BJ two stage cmt'd csg. Set slips, cut off, inst'd flanged hd & NU BOPE. Circ spot sweep. WOC equip to arrive. Ran 7" csg as shown above. BJ cmt'd same w/ 200 sx 35/65 poz "C" w/ gel & salt, followed by 100 sx "C" w/ 2% CaCl2. Bumped plug w/ 1000 psi. Same held. CIP - 20:00 04-30-97, CDT. Dropped bomb press and set davis lynch pkr/dv tool. Opened dv tool. Took 15 bbl to get returns. Cm'td 2nd stage w/ 250 sx 'c' w/ 2% CaCl2. Circ 12 sx to pit. Bumped plug, closed dv tool w/ 2500 psi. CIP - 21:00 04-30-97 cdt. Reciprocated pipe, ran 10 centralizers, one in middle of shoe jt. Then every other collar BLM notified but did not witness job.

DWC - \$ 49,475
CWC - \$ 253,239

05/02/97 Present Operation - Drilling. Current Depth: 3150'. Footage drld: 105'. NU BOPE. Test blind rams, pipe rams & choke manifold to 1450 psi OK. Tighten leaks. RU machine to PU DP & DC. Replace section of rig floor. PU small DC and 3 1/2" DP. LD large kelly PU and make up small kelly. Drill DV tool and float shoe. Drill new formation.

DWC - \$ 14,195
CWC - \$ 267,434

05/03/97 Present Operation - Drilling. Current Depth: 3610'. Footage drld: 460'. Drilling new formation, Rig repair (replace 4" union on mud pump discharge line), surveys - 2 3/4 degrees @ 3287', 1 1/2 degrees @ 3500'.

DWC - \$ 13,878
CWC - \$ 281,312

05/04/97 Present Operation - Drilling. Current Depth: 4235'. Footage drld 625'. Drilling new formation, survey 1 1/4 degrees @ 3750', 1 1/4 degrees @ 1036'.

DWC - \$ 7,087
CWC - \$ 288,399