BTC key facts

Pipeline

Length of route: 1,768km overall, 443km in Azerbaijan, 249km in Georgia, 1,076km in Turkey Diameter of pipeline: 46/42/34 inches - 117/107/ 86cm

Number of valve stations: 101 (22 in Azerbaijan, 27 in Georgia, 52 in Turkey), 40 x 40m in area Capacity: 1 million barrels per day or 50 million tonnes per year

Design life of system: 40 years Maximum altitude reached: over 2.800m Number of land packages en route: more than

20,000 (over 6,000 in Azerbaijan, 3,000 in Georgia,

11,000 in Turkey)

Number of communities passed: c. 450 (80 in Azerbaijan, 70 in Georgia, 300 in Turkey) Number of road and rail crossings: over 350 in Azerbaijan, 250 in Georgia, 800 in Turkey Number of river crossings: over 700 in Azerbaijan, 200 in Georgia, 600 in Turkey

Terminals and pumping stations

Sangachal terminal: 2 new crude oil storage tanks (127,000m³ capacity each), control room for entire BTC pipeline, metering facilities, pumping station Ceyhan marine export terminal: seven crude oil storage tanks, 150,800m3 capacity each, 2.5km jetty to load two tankers up to 300,000 dwt simultaneously, import/export metering facilities, BTC pipeline pressure reduction facilities on arrival, waste water treatment plant, vapour incineration facilities, additional marine support vessels, control room for ship loading and secondary control room for BTC pipeline operation

Number of pump stations: 8 (2 in Azerbaijan, 2 in Georgia, 4 in Turkey) and one pressure reduction station, approx. 15-20 hectares in area

Hydraulic power requirement: 40 MW in Azerbaijan, 40 MW in Georgia, 50 MW in Turkey

Metering stations: 4 (one each in Azerbaijan and Georgia, 2 in Turkey)

Intermediate pigging stations: 2 (one each in Azerbaijan and Turkey)

Design and construction

12m long

Basic engineering period: 8 months (November 2000 - June 2001)

Detailed engineering period: 12 months (June 2001 - June 2002)

Construction period: two years overall Size of construction workforce: approx. 2,300 in Azerbaijan, 2,500 in Georgia, 5,000 in Turkey Number of sections of pipe: c. 150,000, each up to

Weight of steel pipe: 290,000 tonnes in Azerbaijan and Georgia, 365,000 tonnes in Turkey

Width of construction corridor: 32m for BTC alone, 44m where laid alongside other pipelines

Width of long-term right of way: 8m

Depth of pipeline: at least one metre underground throughout

Cost of project: \$2.9 billion overall including \$1.4 billion for Turkey section

Operations

Speed of oil through the pipeline: 2m per second at design capacity

Design pressure of pipeline: Generally 100 bar Quality of oil being transported: ACG crude oil is 34

API, low sulphur content, sweet crude

Number of operational staff: approx. 250 in Azerbaijan, 250 in Georgia, 350 in Turkey Fibre optic cable throughout for SCADA and

telecommunications Leak detection system

Cathodic protection system to prevent corrosion

Emergency shutdown system, fire and gas detection systems

Oil spill response equipment at strategic points

Reserves in ACG oil field: at least 5.4 billion barrels

March 2003

