

GENERAL DESCRIPTION

RIG NAME: BWD 1

RIG TYPE: 650 HP Land Rig

DRILLING DEPTH CAPACITY: 10,000'

RIG HISTORY: Custom Build for Baywater Drilling by Superior Derricks in 2015

MAJOR DRILLING EQUIPMENT

MAST: SDS Horizontally Telescoping Cantilever mast, 110' rated at 300,000 lb SHL. Wind 109 mph, 89 mph full set back.

SUBSTRUCTURE: SDS 18' Silngshot type, 27' X 54' base with 14' 6" clear height. Max set back 550,000 lbs. Lay down substructure max wind 25 mph.

CROWN BLOCK: American Block 150 Ton

TRAVELING BLOCK & HOOK: American Block 150 Ton

DRAWWORKS: BDW 650 M Rated at 650 in H.P. Powered by two Caterpillar C-15 engine

AUXILIARY BRAKE: Parkersburg 341 Hydromatic

ROTARY: American Block Model RK 1750 (17.5" Opening)

MUD PUMPS: Two Weatherford Model MP-10 powered by Caterpillar 399 engine

SWIVEL (NO TOP DRIVE): King Oil Tool 150 Ton, Model 15MB

DRILLING LINE: 1-1/8" EIPS

STAND PIPE MANIFOLD: 4" Rated for 5,000 psi

STORAGE CAPACITIES

LIQUID MUD: 469 bbls

DRILL WATER: 517 bbls

POTABLE WATER: 3,500 gals

DIESEL FUEL: 9,000 gals

WELL CONTROL EQUIPMENT

ANNULAR PREVENTER: 11" 5,000 psi Hyril GK

DOUBLE BOP: 11" 5,000 psi Cameron type-U / Top- pipe rams / Btm- Blind rams

SINGLE BOP: N/A

CHOKE MANIFOLD: (1) Manual choke valves (1) Hyd. Choke valve

BOP HYDRAULIC UNIT: CPC Six station 250 gallon, 3,000 psi WP

DEGASSER: Ruff RMD-10/12

MAJOR DECK MACHINERY

BOP HANDLING EQUIPMENT: Two 10 Ton Pneumatic Hoist

MAIN POWER

Two Marathon Electric 250 KW generators powered by Detroit 60 series engine

DRILL STRING

DRILL PIPE: 5" O.D. with 4 1/2" IF

HWDP: 5" O.D. with 4 1/2" IF

DRILL COLLARS: 6-1/2" O.D.

MUD SYSTEM

MUD PITS: 146 bbls

SETTLING PIT: 73 bbls

ACTIVE PIT: 73 bbls

SLUG PIT: 48.5 bbls

SAND TRAP: 233 bbls

TRIP TANK: 42 bbls

SOLID CONTROL SYSTEM

SHALE SHAKERS: Two Ruff Model RL327-01

DESANDER: Ruff with two 10" cones

DESILTER: Ruff with sixteen 4" cones

AUXILIARY EQUIPMENT

PIPE HANDLING: 5" Handling equipment

TONGS: BV-65

WIRELINE UNIT: Five-star 15,000' .092

AIR COMPRESSOR: Two Quincy model QSI 120 with Quincy type QHD200 air dryer

