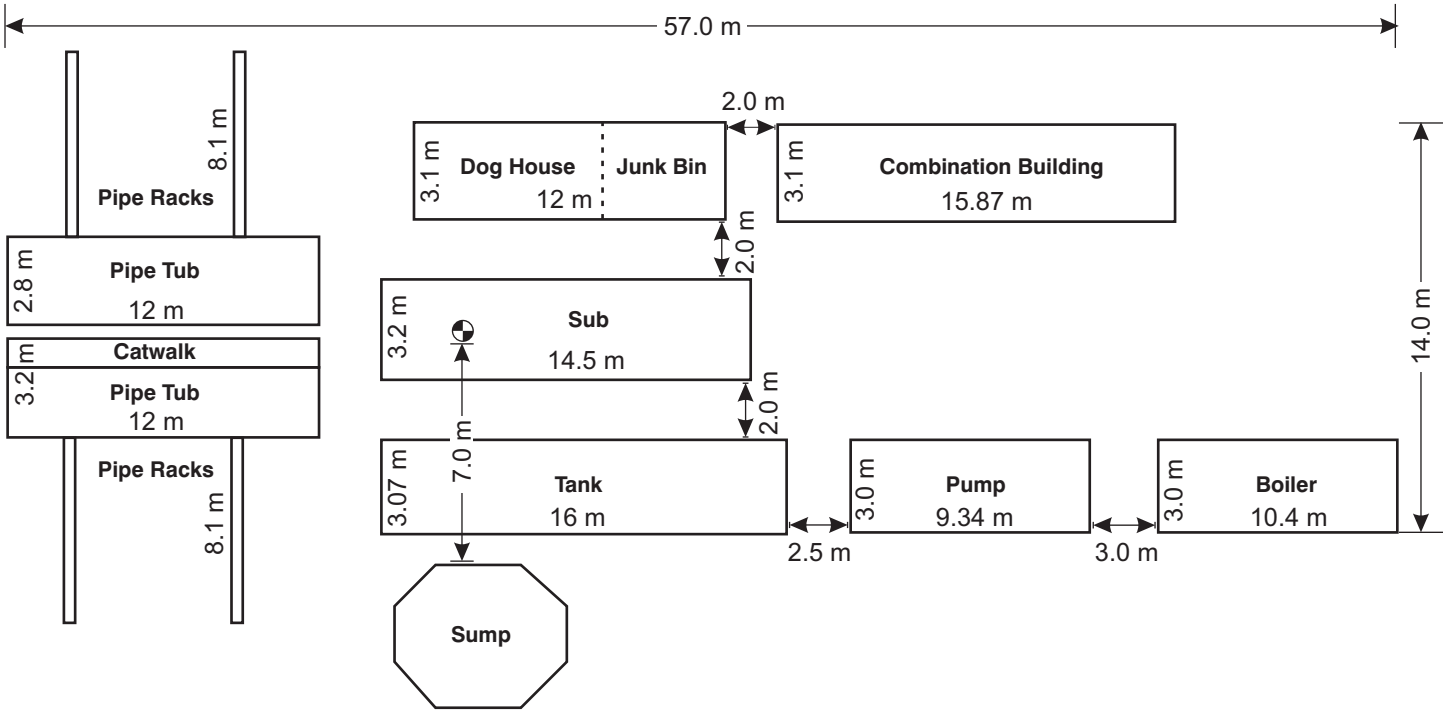
Rig 5
Layout and Specifications

BLACKWATCH ENERGY SERVICES CORP.

Drilling Services



RIG.
Carrier . . . . . **IR self-propelled tri-drive**
Engine. . . . . **Cat C 12/350 HP**
Deck Engine. . . . . **Cummins QSK - 19c/750 HP**
Derrick. . . . . **17.4 m; 55,000 DaN**
Tubulars . . . . . **Range III capacity**
Hydraulic Top Drive **8,000 foot pounds at 165 RPM**
Fuel Capacity . . . . . **Day tank**
Depth Rating . . . . . **1,700 m**

SUBSTRUCTURE
Dimensions . . . . . **16.25 m X 3.61 m**
Lift . . . . . **Hydraulic ramp**
Hydraulic Lift Arm . **Drill pipe & collars to 275 mm**
Kelly Bushing . . . . . **4.25 m**

BLOWOUT PREVENTERS - CLASS III
Annular Type . . **Townsend 84 229 mm; 21000 kPa**
Single Gates **(2) Townsend 88 229 mm; 21000 kPa**
NACE Trimmed. . . . . **Yes**

HYDRAULIC PIPE TUBS
Number **2**
Catwalk . . . . . **Yes**
Pipe Racks. . . . . **2 sets**

MUD PUMP
Type **D300**
Rated. . . . . **300 HP**
Liner. . . . . **127 mm**
Stroke. . . . . **356 mm**
Fuel . . . . . **Day tank**

MUD TANK
Capacity . . . . . **45 m^3**
Shale Shaker . . . . . **DFT 500 B-2 linear**
Mud Mixing . . . . . **Centrifugal mission pump**
BOP Manifold. . . . . **75 mm X 50 mm; 21,000 kPa**

DRILL PIPE (UPSET)
Joints **155**
Size . . . . . **102 mm**
Length . . . . . **Range II**
Connections. . . . . **3 ½" XH**

DRILL COLLARS

Joints	**10**	**5**
Size	**121 mm**	**164 mm**
Length	**Range II**	**Range II**
Connections	**3.5" IF**	**4.5" XH**

COMBINATION BUILDING
Water . . . . . **35 m^3**
Fuel . . . . . **Day tank**
Change House . . . . . **Yes**
Light Plant. . . . . **300 KW generator**
Accumulator. . . . . **ECS 4 station 300 liter**

DOG HOUSE
Capacity . . . . . **14,000 liters fuel**

MOUNTED AIR COMPRESSOR
Ingersoll Rand . . . . . 1250 cfm X 350 psi

BOILER
Horse Power **80**
Water . . . . . **16 m^3**
Fuel . . . . . **7000 liter**

TOOL PUSH SHACK
Size. . . . . **3 m wide X 13.68 m length**

LOADS
Summer **9**
Winter **10**