

ENERGY DRILLING AUSTRALIA

Service Rig 1

C-Tech 70k Rapid Service Rig (Sn. RSR-6772)



ENERGY DRILLING AUSTRALIA – SR 1

C-Tech 70k RSR

EQUIPMENT LIST

Component	Description
Cab & Chassis	<p>Kenworth T800 - Australian Compliant, Mines compliant</p> <ul style="list-style-type: none"> • Engine: Cummins ISX EGR, 550 hp (580 hp max) • Twin Steer • Tandem Drive • Air Ride Suspension • Automatic Transmission
Truck Deck	<p>Sub frame 4x8 rectangular tubing construction mounted to truck frame</p> <ul style="list-style-type: none"> • Saddle plates at rear • Free floated at front c/w nylatron spacer • All mounts for injector, tanks, toolbox, picker & control panel welded to subframe <p>Toolboxes (5)</p> <ul style="list-style-type: none"> • Aluminum construction • Two (2) deck mounted, 1 upright (upright c/w drawers, tool pegs & seals) • 1 Toolbox width of deck mounted behind tubing reel <p>Decking, 3/16" Aluminum checker plate bolted to frame Rear bumper & skirt</p> <p>Chain hangers & mud flaps</p> <p>Junk box on passenger's side with fold down front</p> <p>Lights & electrical mounts</p> <p>Control console mounted to driver's rear c/w aluminum cover</p> <p>Hose rack</p>
Mast	<p>1 Telescoping</p> <ul style="list-style-type: none"> • 74' (clear under crown to ground) vertical, 2 part telescoping • Ladder, block cradle, dead line anchor • Engineered and certified to 70,000# vertical, • Load lines c/w turnbuckles • Fall arrest - 108' Certified North FP3-333s • Fall arrest - Crown to Rod Basket • Electronic clamp style weight indicator (Midget) c/w 6" gauge mounted in panel • Free standing with telescoping outriggers • Rear Jacks c/w lock rings • Mast raising cylinders x 2 • Hydraulic actuated Mast locks
Crown	<ul style="list-style-type: none"> • Double 24" diameter Nylatron sheaves c/w pedestals & bearings • Grooved for 1" line • Deflector sheaves mounted with pins & cotter pins

Component	Description
Winches	C-Tech Planetary Draw Works c/w (Lebus grooving) 2 speed w Guard <ul style="list-style-type: none"> 70,000 # maximum hook load, 840 FT/Min High Gear 500' drill line (1" 6x626) Braden BG8 <ul style="list-style-type: none"> 175' of ½" line c/w tail chain & safety hook & snatch block c/w guard
Winch 1	Work winch Hydraulic PL2,1 Ton capacity
Winch 2	Work Winch Hydraulic, Dynamic Oil,2.6Ton capacity
Block	35 ton, single sheave
Pump	Gardner Denver TEE-F Triplex pump <ul style="list-style-type: none"> Directly driven, Hydrostatically by Hagglands CA50/32 High pressure 5000 psi manifold\
Tank	TC406 <ul style="list-style-type: none"> 8,500 Ltr Capacity - 1 floats - drivers side Top Load - 16" manhole, 10" fill 3" Vent lines Top mount fold down handrails
Fluid Pump	Bowie cast housing, steel gears, bushing caps
High Pressure Manifold	Standard 5000 psi manifold <ul style="list-style-type: none"> Gauges Neutron valves (2) Swing check valves 2' piping with1502 unions
Suction Piping	Low Pressure, Victaulic fittings & valves
BOP	Regan 3" BOP full port Type K w/bag
Work floor	<ul style="list-style-type: none"> Structural steel tubing construction (2" x 3") Diamond grip flooring Telescoping aluminium stairs with handrails V-Door assembly hinged
Control Console	Telescoping hydraulic; ability to scope. Pressure gauge & weight indicator – access to HMI console
Hydraulics	<ul style="list-style-type: none"> 250 gallon reservoir c/w temperature & level gauge High pressure filter Load sense valves Piston pumps Hydraulic heat exchanger All functions plumbed to control panel

Component	Description
	<ul style="list-style-type: none"> • Gear pump to run rod tongs • Independent pump for tong • Tong pressure in panel face
Electrical	12v Electrical system including work lights <ul style="list-style-type: none"> • Truck style deck lights (6) • Running lights, LED



