

REFINE ENERGY PTY LTD

IDECO H-35 Medium Workover Rig #1 Technical Specification



**RIG TYPE: IDECO H-35 CD Telescopic Double, 4-Axle Self Propelled
Carrier**

**WORKING DEPTH: SHL 212,000 lbs. Rack back Cap 3,500m 2-7/8" Tubing,
Range 3**



GENERAL SPECIFICATIONS

CARRIER

Manufacturer: Ideco
Model: BIR 3085
Drive Motors: Detroit 8V71
Engine HP Rating: 310 hp
Transmission : Allison CLBT
Drive Axles: 2
Steer Axles: 2

DERRICK / MAST

Manufacturer: Ideco
Model: KM-95-212-GH
API Capacity (GNC): 212,000 lbs
Height: 95 ft
Rated Static Hook Load: 212,000 lbs with 6 lines
Racking Capacity Tubing: 3500m 2 7-8" Tubing DIbs
Racking Capacity Rods: 2300m 1"
Number of Sheaves In Crown Section: 5 only

DRAW-WORKS

Manufacturer: Ideco
Model: H-35
Draw-works HP Rating: 310 hp
Drive Motors: Detroit 8V71
Engine HP Rating: 310 hp
Quantity Motors: 1

DRILLING LINE

Manufacturer: Union
Rope Diameter: 7/8"
Length: 2,500 ft
Construction: 6 x 19 EIPS
Breaking strength single pull: 70,800 lbs

MAIN DRUM

Rated Single Line Pull: 30,000 lbs
Drum Sleeve: Lebus Grooved
Grooved To Suit Drill line: 7/8" dia
Brake Cooling: Water Cooled

TRAVELLING BLOCK

Manufacturer: Ideco
Model: UTB-110-3-24
API working load capacity: 250,000 lbs
Number of Sheaves: 3 x 24"

SANDLINE DRUM

Rated Single Line Pull: 12,000 lbs
Drum Sleeve: Nil
Grooved To Suit Drill line: 9/16"
Brake Cooling: Air Cooled

ELEVATOR LINKS

Manufacture: Varco - BJ
Size: 2 1/4" x 48"
Load Capacity: 110 Tonne
Quantity: 1 Pair

DEADLINE ANCHOR

Manufacturer: Ideco
Model: 30 - T
Drill line Wire Rope Size: 7/8"
Rated Deadline Load: 30,000 lbs

WINCHES

Manufacturer: Ramsay
Service Winch No.1 Model: RA-8
Rated Line Pull > 1st Layer: 6,000 lbs
Quantity: 1

CROWN SAVER

Manufacturer: Koomey
Model: Crown-O-Matic

HYDROMATIC BRAKE

Manufacturer: Parmac
Model: DR-15 Parmac Water Brake
Quantity: 1



MUD TANKS

Total Capacity: 430 bbl
Shaker Tank 120 bbl
Mix Tank: 220 bbl
Acid Pill Tank 90 bbl
Cement Batch Mixing Tank 20 bbl
Gauge Displacement Tank: 30 bbl

MUD AGITATORS

Manufacturer: Charlynn
Model: Hydraulic
Power unit: Carrier Hydraulics
Quantity: 4

MUD PUMPS

Manufacture: Gardener Denver
Model: PAH BFB
Max Input: 350 hp
Input Drive: via Chain Drive Case
Max Pres: 3,000 psi (4 1/2" Plungers)
GPM: Max 357 gpm (5" Liners)
Quantity: 1

SURFACE LINES

Size: 3" x 5,000 psi WP gate valves
c/w 3" NB Fig 1502

STANDPIPE

Size: 3" NB 4130 x 2" NB Figure 1502
unions and 60 degree gooseneck at the
top.
Valves: 3"& 2" x 5000 psi gate valves.

BLOWOUT PREVENTERS

Annular Shaffer SK 7-1/16" 5K
Connection: Flange Bottom, studded Top
Shaffer SK Dble Gates 7-1/16" 5K
Connection: Studded Top, Studded
Bottom
Ram Blocks
Size: 2 3/8", 2 7/8", 3 1/2", CSO

SHALE SHAKER

Manufacturer: Double life
Model: Junior
Capacity: 250 gpm
Quantity 1

PRESSURE RELIEF VALVES

Manufacture: Oteco
Model: 2"
Pressure Settings: 500 - 5000 psi
Quantity :1

DRIVE MOTORS

Manufacture: Detroit
Model: 8V71
Rating: 350 hp
Quantity Motors: One

KELLY HOSES

Size: 2 1/4" ID x 45 ft x 5000 psi WP
Connection: 3" Figure 602 Hammer union

CHOKE MANIFOLD

Size: 2 1/16" - 5000 psi
Cameron Manual Choke 5K Variable

ACCUMULATOR

R&T Controls
Model: RT500900
Bottles: 8 x 11 gallon

AIR SYSTEM - Rig

Manufacturer: Detroit
Portable Compressor: Atlas Copco
Model: XA-150
Type: Rotary Screw
Pressure: 120 psi
Rating: 60 hp - 150 cfm
Power: Diesel

TUBING TONG

Manufacturer: Varco - BJ BTS
Torque: @ 2,000 psi, High Gear: 2740 ft / lbs
Torque: @ 2,000 psi, Low Gear: 9,000 ft / lbs
Tubing Range: 2 3/8" to 3 1/2"
Tubing Jaws with Tong: 2 3/8", 2 7/8" & 3-1/2"
Power Unit: Carrier Hydraulics
Qty: Two

FUEL TANKS

Carrier Capacity: 1200 litres
Mud Pump Capacity: 600 litres
Generator Capacity: 180 litres

PREMIUM TUBING TONG

Manufacturer: McCoy
Model: KT5500 5-1/2"
Torque Range: @ 2,000 psi, 18,700 ft/lbs
Tubing Jaws: All ranges Premium tubing to 5-1/2"
Power unit: Carrier Hydraulics
Qty: One

ELEVATORS

Tubing elevators: Sizes 2 3/8", 2 7/8", 3 1/2"

SLIPS

Tubing slips: Sizes 2 3/8", 2 7/8", 3 1/2"

SAFETY CLAMP

Tubing clamps: Sizes 2 3/8", 2 7/8", 3 1/2"

POWER SWIVEL

Manufacture: Harlow Sammons
Model: HS 120S
Power Unit: CAT C9

ANCILLARY BUILDINGS & SKIDS

1 x 14Mtr x 3 Mtr Building (2 x Offices + 1 x Crib)
1 x 8Mtr x 2.5Mtr Workshop/Store. A/C



