

REFINE ENERGY PTY LTD

IDECO H-44 Medium Drilling Rig, Heavy Workover Rig #2 Technical Specification



RIG TYPE: SBS IDECO H-44 CD Double Drum Telescopic Double, 6-Axle Self Propelled Carrier

WORKING DEPTH: 2,600m with 5" DP, SHL 268,000 lbs. Range 3



GENERAL SPECIFICATIONS

CARRIER

Manufacturer: Ideco
Model: BIR 3085
Drive Motors: (2) CAT D343 TA-A
Engine HP Rating: 380 x 380 Dual
Transmission : Allison CLBT 586
Drive Axles: 4

Steer Axles: 2

DERRICK / MAST

Manufacturer: Ideco
Model: KM-111-268-AGH Telescoping
API Capacity (GNC): 268,000 lbs
Height: 111 ft (33.8m)
Rated Static Hook Load: 268,000 lbs with 4 lines
Racking Capacity Tubing: 2,600m 5" Drill Pipe w/10
stds 6-1/2" DC's
Wind Load Cap 100 Km/hr

DRAW-WORKS

Manufacturer: Ideco
Model: H-44 CD Double Drum
Draw-works HP Rating: 600-950 HP
Drive Motors: Caterpillar CAT D343 TA-A
Engine HP Rating: 380 x 380 HP Dual
Quantity Motors: 2

DRILLING LINE

Manufacturer: Union
Rope Diameter: 1-1/8"
Length: 2,500 ft
Construction: 6 x 19 EIPS
Breaking strength single pull: 70,800 lbs

MAIN DRUM

Dia 18"/0.46m: Length 351/2"/0.9m
Drum Sleeve: Lebus Grooved
Grooved To Suit Drill line: 1-1/8" dia
Brake Cooling: Parksburg V80

TRAVELLING BLOCK

Manufacturer: Ideco
Model: UTB-160-4-30
API working load capacity: 320,000 lbs
Number of Sheaves: 4 x 30"

CROWN

Manf. IDECO
Sheeves: 1 x 1-1/8" x 36"
4 x 1-1/8" x 30"
Brake Cooling: Air Cooled

ELEVATOR LINKS

Manufacture: Varco - BJ
Size: 72"
Load Capacity: 250 Tonne
Quantity: 1 Pair

SUBSTRUCTURE

Work Floor Height: 4.17m
Rotary Load: 130mt
Set Back Load 95 tons with 130 tons
Rotary

ROTARY TABLE

Manufacturer: IDECO
Model; LR 20-1/2"
Opening: 20-1/2" and 17-1/2"
Solid Master Bushing MSPC Cap 408 tons

CAT WALK & PIPE RACKS

Cat walk dimen: L45'x W 5'5" x H 3'
Pipe Racks built to suit

INSTRUMENTATION

Weight Indicator: MD FS
Torque Indicator: MD Analog-Hydro Mech



MUD TANKS

Total Capacity: 700 bbl
Tanks x 3
Trip Tank x 1

SHALE SHAKER

Manufacturer: Derrick FLC
Model: DUAL 530
Quantity: 2

GENERATOR SETS

Manufacturer: Hitzinger 3Phase
Model: SGS 6C 40T 333kVA
Power unit: D 3406
Quantity: 2

PRESSURE RELIEF VALVES

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

MUD PUMPS

Manufacturer: EMSCO
Model: F 800
Max Input: 800 hp at 150 SPM
Input Drive: via Chain Drive Case
Max Pres: 3,000 psi (5 1/2" Plungers)
GPM: Max 582 gpm (6-1/2" Liners)
Quantity: 1

PUMP DRIVE MOTORS

Manufacture: Caterpillar
Model: DT 399
Quantity Motors: One

ELEVATORS

Varco 6" SLX150 BJ Casing Elevator
Varco 7-5/8" SLX150 BJ Casing Elevator
Varco 10-3/4" SLX150 BJ Casing Elevator
Single Joint Elevators

PCE

Mud Cross 11" – 11" 5M c/w 2 x SOV
HCR 3-1/8" 5M
2, 2-1/2 & 3" BPV and TWCV

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

ACCUMULATOR

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

SLIPS

Slips to suit DP, DC's and Casing

SAFETY CLAMP

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

SWIVEL

Manufacture: Oilwell
Model: 150T 4-1/2" L/H Quill
Power Unit: Kelly Drive

ANCILLARY BUILDINGS & SKIDS

1 x 20' Containerised Water Tank
1 x (2 x Offices + 1 x Crib)
1 x 8Mtr x 2.5Mtr Workshop/Store. A/C





