

DRILLING RIG DS-150

GENERAL INFORMATION

Rig Name	WEI DS-150 Semitrailer Mounted
Drilling Depth	3000 m
Year Of Construction	2012
Clear Height From Ground Level	27 m
Drilling Floor Height from Ground Level	6,1 m

MAST

Make	WEI
Type	Sliding type 16m Stroke

CROWN BLOCK

Make	WEI
Sheaves of Crown Block (Diameter)	8 Sheaves 38 mm ROPE, 150 Metric Ton Load Capacity

DRIVE GROUP

Engine Type	Caterpillar / C15 ACERT
Engine Power	2 x 540 HP

MUD SYSTEM & MUD PUMPS

Triplex Mud Pump

Make / Model	Weatherford-Eweco / 800
Desing	Horizontal Desing As Per API 7K
Rated HP	800
Max. SPM	150
Max. Pres	5000 Psi
Max. Delivery	637 GPM
Piston Diameter Range	4" - 7"
Diesael Engine For Mud Pump	
Make / Model	Caterpillar / C27 Acert
Engine Power	2 x 800 BHp@1800 Rpm
Electric Motor	2 x 37 kW - 460 V - 60 Hz

Shale Shaker

Make	Fluid System
Quantity	2ea
Electric Motor	2 x 480 V - 60 Hz ex-proof
Desilter	O'Drill MCM
Desander	O'Drill MCM
Degasser	Kem-Tron Vaccum D-Gasser Ver.
Stand Pipe & Rig Manifold Pres.	5000 Psi
Total Volume of Tank Capacity	1195 bbl
Volume of Trip Tank	38 bbl
Cooling Tower	Karizma Enerji A.Ş.

POWER SYSTEM

Power Generator

Make / Model	İşbir / Volvo
Generator Rating	2 x 630 KVA @ 60 HZ

Camp Generator

Make / Model	İşbir / Iveco
Generator Rating	110 KVA @ 50 HZ

ROTARY TABLE

Make	WEI
Max Opening	27 1/2"



TOP DRIVE

Make	WEI
Type	Hydraulic Top Drive
Pull - Up	150 Metric Ton
Pull - Down	25 Metric Ton
Top Drive Torque	3450 daNm at 50 Rpm 960 daNm at 180 Rpm
Rpm	From 0 to 180

WELL CONTROL EQUIPMENT

Annular RAM BOP	21 1/4" - 2000 Psi
Annular RAM BOP	13 5/8" - 5000 Psi
Double RAM BOP	13 5/8" - 5000 Psi
BOP Closing Unit	3000 Psi / 40 L x 8 Bottles (320 L)

CHOKE MANIFOLD

Size and Working Pressure	3 1/8" x 5000
Number of Valves	10
Choke Type	Hydraulic (1 ea) - Manuel (1 ea) Remote Drilling Choke Console 2 Digital Stroke Counter
Flexible Steel Hose	3" ID-30 Ft Long Flanged Connection 3 1/8" x 5000 Psi

DRILL STRING

Drill Pipe	3 1/2" or 4 1/2" or 5"
Steel Grade (Type)	G-105
Total Quantity	4 1/2" - 3300 m
Range Lenght of Each Joint	Range II
Pipe Body Weight	16,6 lb/ft
Tool Joint&Pipe Connection	4 1/2 XH (NC46) (for 4 1/2")
Min Tool Joint OD.	6 1/4" (for 4 1/2")
DP API Classification	Premium
HWDP	On Request as per Well Program
Nominal OD	4 1/2"
Quantity	12 ea
Range	Range II
Tool Joint&Pipe Connection	4 1/2" XH (NC45) (for 4 1/2")
Min Tool Joint OD.	6 1/4" (for 4 1/2")
Equivalent API Specification	Premium

OTHER EQUIPMENT

Hydraulic Integrated	
Power Tong	WEI - 3 1/2" - 13 3/8"
Automatic Slip	Dencon - 3 1/2", 4 1/2" and 5"
Service Hoist Winch	Dinamic Oil - SE35
Lifting Capacity on Working Floor	4000 kg
Lifting Capacity out of Working Floor@ Max Dis.	1000 kg
Torque Wrench	Drilmec
Make up/Break out Size	3 1/2" - 13 3/8"
Max Make up Torque	11500 daN
Max Break out Torque	16000
Vertical Stroke	700 mm