



DRILLING RIG ZI40CZ

GENERAL INFORMATION

Rig Name	ZI40DZ Trailer Mounted
Drilling Depth	4000 m w/4 1/2" DP
Year Of Construction	2014
Effective Height From Ground Level	39,3 m

MAST

Make	Kerui
Type	Two- Section Telescopic, Font Tilted
Setback Capacity on Racking Platform	4300 m w/ 4 1/2" DP, 6400 m w/ 3 1/2" DP

DRAWWORK

Make	Kerui
Fast Line Pulling Force	320 MT
Groove Lenght x Diameter	1254 mm x ϕ 635 mm
Brake Type	Band Brake + Auziliary Brake
Auxiliary Brake	EATON WCB324 original from USA
Shift	5 Forwards and 1 Reverse

CROWN BLOCK

Make	TC225 Kerui
Sheaves of Crown Block (Diameter)	225 Metric Ton Load Capacity

TRAVELLING BLOCK

Make	YG250
Type	250 Ton Capacity

DRIVE GROUP

Engine Type	Caterpillar / C18 Original From USA
Engine Power	2 x 630 HP

POWER SYSTEM

Power Generator	
Make / Model	CAT C15 ACERT Original from USA
Generator Rating	2 x 400 KW @ 50 Hz
Camp Generator	
Make / Model	Caterpillar
Generator Rating	250 KVA @ 50 Hz

TOP DRIVE

Make	TESCO 250HIXM-700 Original From Canada
Pull - Up	250 MT
Top Drive Torque	21000 ft-lb
Power Unit	475 HP
Max Speed	170 RPM

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

KILL MANIFOLD

Size and Working Pressure	3 1/8" x 5000 Psi
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ROTARY TABLE

Make	Kerui
Max Opening	27 1/2"
Drilling Floor Height from Ground Level	7,2 m
Clear Height from Under Rotary Table	6 m

MUD SYSTEM & MUD PUMPS

Triplex Mud Pump

Make / Model	Rongsheng/F1000
Desing	Horizontal Desing as per API 7K
Rated HP	1000
Max. SPM	150
Max. Pres	5000 Psi
Max. Delivery	650 GPM
Piston Diameter Range	6 3/4"
Diesael Engine For Mud Pump	
Make / Model	Caterpillar / CAT 3512 Original from USA
Engine Power	2 x 1250 HP
Electric Motor	2 x 37 kW-400 V-50 Hz

Shale Shaker

Make	Brandt / King Cobra
Quantity	2 ea
Electric Motor	400V - 50 Hz ex-proof
Mud Cleaner	Brandt / King Cobra
Por Boy Degasser	HLGS-1000/TSC
Vaccum Degasser	HV-240/TSC
Stand Pipe & Rig Manifold Pres.	5000 Psi
Total Volume of Tank Capacity	1573 bbl
Volume of Trip Tank	63 bbl
Cooling Tower	Karizma Enerji A.Ş.

WELL CONTROL EQUIPMENT

Annular BOP	21 1/4" - 2000 Psi
Annular BOP	13 5/8" - 5000 Psi
Double RAM BOP	13 5/8" - 5000 Psi
Single RAM BOP	13 5/8" - 5000 Psi
BOP Closing Unit	3000 Psi / 40 L x 16 Bottles (640 L)

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

Swivel	Bamco XLS225
Air System	Sulair WS2210 Screw Air Compressor