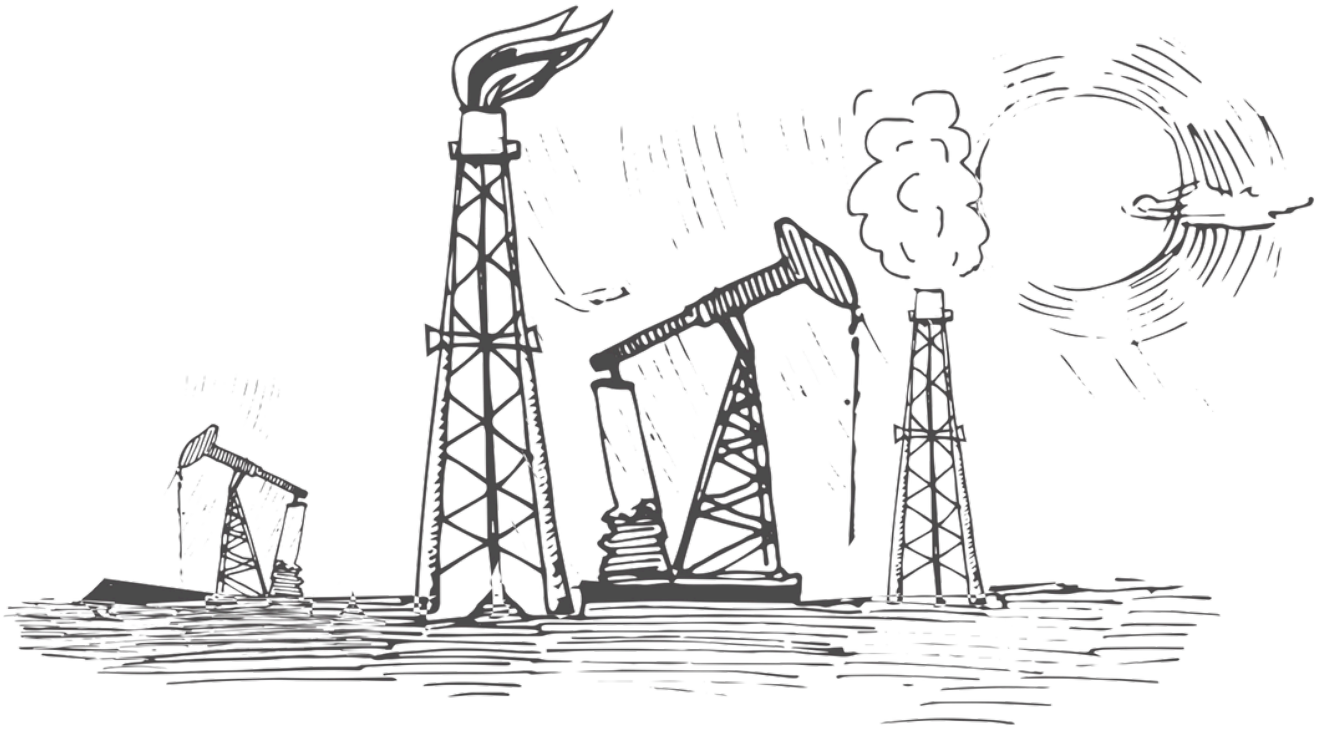
GEOPET

SONDAJ MÜTEAHHİTLİK A.Ş.



COMPANY PROFILE

Hilal Mahallesi Turan Güneş Bulvarı
No: 86/3 Çankaya/Ankara
Tel : +90 312 478 54 56
Faks : +90 312 478 54 58
info@geopet.com.tr

www.geopet.com.tr

TABLE OF CONTENTS

1 - ABOUT US 3

- Company Overview
- Our Expertise

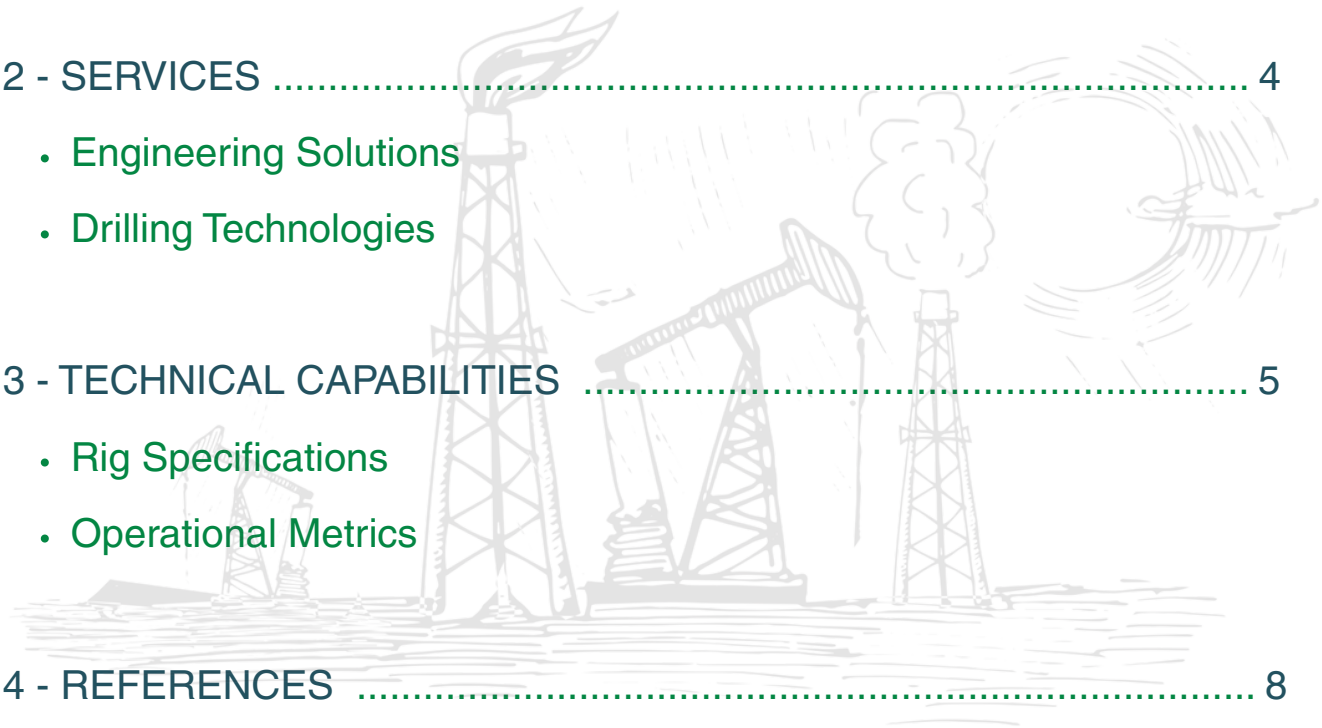
2 - SERVICES 4

- Engineering Solutions
- Drilling Technologies

3 - TECHNICAL CAPABILITIES 5

- Rig Specifications
- Operational Metrics

4 - REFERENCES 8



Hilal Mahallesi Turan Güneş Bulvarı
No: 86/3 Çankaya/Ankara
Tel : +90 312 478 54 56
Faks : +90 312 478 54 58
info@geopet.com.tr

ABOUT US

Geopet Engineering Drilling Co. Ltd. is a specialized contractor providing high-quality drilling services for oil & gas wells and geothermal wells up to 5000 meters depth, along with comprehensive engineering services for operators. With twenty years of proven experience, we have successfully executed numerous projects for both government institutions and private companies.

Our core values are professional integrity and operational reliability. These principles guide our team in delivering exceptional results. We understand that successful drilling operations depend on both experienced personnel and reliable equipment. That's why we employ engineers and technical crews with extensive field expertise.

The Geopet team embraces innovation while maintaining excellence in execution. We approach each project with meticulous attention to detail, combining classical techniques with modern technology. Our problem-solving methodology integrates cutting-edge computer simulations with the invaluable practical knowledge of our seasoned engineers.

Geopet aims to be the leading drilling contractor in Turkey and the surrounding region for petroleum, natural gas, and geothermal projects. Through our specialized management team and experienced crews, we maintain the highest quality standards while consistently implementing the latest technological advancements in our equipment and methodologies.

Hilal Mahallesi Turan Güneş Bulvarı
No: 86/3 Çankaya/Ankara
Tel : +90 312 478 54 56
Faks : +90 312 478 54 58
info@geopet.com.tr

SERVICES

Engineering Services

Our engineering team integrates multidisciplinary expertise in geology, hydrology, geochemistry, and geophysics to support all drilling phases. With decades of operational experience, we deliver comprehensive solutions including:

- Well Logging & Mud Logging
- Reservoir and Well Testing
- Rig Site Supervision
- Well Planning and Design

Geopet has successfully executed engineering projects for both government agencies and private sector clients worldwide.

Drilling Services

We provide specialized drilling services for geothermal and hydrocarbon fields using our modern rig fleet:

- Gradient Drilling
- Exploration Drilling
- Production Drilling
- Re-Injection Drilling

Rig Specifications

We optimize equipment selection based on well depth and formation characteristics, offering:

✦ Rig #1:	ZJ40	Truck-Mounted *Double* Drilling Rig	4000 m capacity
✦ Rig #2:	ZJ50L	Onshore Stand Drilling Rig	5000 m capacity
✦ Rig #3:	ZJ50L	Onshore *Stand* Drilling Rig	5000 m capacity
✦ Rig #4:	ZJ50DB	Onshore *Stand* Electric Drilling Rig	5000 m capacity

Hilal Mahallesi Turan Güneş Bulvarı
No: 86/3 Çankaya/Ankara
Tel : +90 312 478 54 56
Faks : +90 312 478 54 58
info@geopet.com.tr



GEOPET
SONDAJ MÜTEAHHİTLİK A.Ş.

DESCRIPTION OF ZJ40 - RIG #1

Rig Number	1
Manufacturer	SJPetro
Rig Horsepower	1000 HP
Rig Type	ZJ40 Truck-Mounted Drilling Rig
Drilling Depth	4000 m (13120') w/ 4 1/2" OD DP
Max. Capacity	500 klbs - 2250 kN - 226 ton
Drive Motors	2 × CAT C18 Motor - 630 HP - 470 kW
Disc Brake	PSZ65D Hydraulic Disc Brake
Auxillary Brake	Eaton WCB324

DRAWWORKS

Rated Input Power	1000 HP
Depth	4000 m (13120') w/ 4 1/2" OD DP
Max. Capacity	500 klbs - 2250 kN
Drive Motors	2 × CAT C18 Motor - 630 HP - 470 kW
Number of Drum	Double
Drilling Line	1 1/4"

SUBSTRUCTURE *ZT350/6.7*

Drill Floor Height	6.7 m (~22 ft)
Clear Height	5.6 m (~18.4 ft)
Drill Floor Area	7.5 m × 10.6 m

MAST *JJ225-39*

Nominal Capacity	500 klbs - 2250 kN
Racking Capacity	4000 m / 13120 ft (w/ 4 1/2"DP) 3200 m / 10496 ft (w/ 5"DP)
Hook Load Capacity	500 klbs - 2250 kN

TOP DRIVE *Tesco 250HXI 700*

Max RPM / Torque	200 / 24000 ft-lbs
Power	700 HP (powered by CAT C18)
Working Load	550 klbs - 2450 kN - 250 ton

CROWN BLOCK *TC-225*

Max Load	2250 kN (500000 lbs)
Dia. of Drilling Line	1 1/4"



TRAVELING BLOCK *YG250*

Max Hook Load	2250 kN (500000 lbs)

GENERATORS

1 × CAT C18 Diesel Engine	850 kVA / 680 kW
1 × CAT C15 Diesel Engine	500 kVA / 400 kW
1 × CAT C13 Diesel Engine	450 kVA / 360 kW

COMPRESSORS

1 × Atlas Copco GA45FF	Screw Compressor 45 kW
1 × Ingersoll Rand SSRMC45	Screw Compressor 45 kW

WELL CONTROL *FH 35-35*

21 1/4" × 2000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Double Ram BOP

MUD PUMPS *2 × RS - F1000 Triplex*

Rated Input Power	1000 HP

Powered by **2** × CAT 3512 Motor 1470 HP - 1100 kW (independent)

MUD SYSTEM & SOLID CONTROL

Active System / Reserve Tank	1000 bbl / 380 bbl
Hopper/Trip Tank/Water Tank	200 bbl / 50 bbl / (300 + 350) bbl
2 × MI Swaco Mongoose Shale Shaker	w/ suitable API screens
1 × GNZS594F Mud Cleaner	*can replace shale shaker*
1 × 3250 lt/min Vacuum Degasser &	1 × 5000 lt/min Poor-boy Degasser
1 × Decanter Centrifuge	2000 g 700 lt/min @1800rpm
1 × GEOPET Mud Cooling Unit	2 × 7.5 kW

Hydraulic Power Tools

Hydraulic drill pipe power tong, Hydraulic casing power tong

2 × B type manual tong, Hydraulic power rotary cathead

All required handling equipments (elevators, casing slip-spider)

CAMP UNITS

35 person capable accomodation units

Company Office, Geology Lab & Office, Guest & Mess Room

Kitchen & Laundry & Wi-Fi

GEOPET
SONDAJ MÜTEAHHİTLİK A.Ş.



DESCRIPTION OF ZJ50L - RIG#2

Rig Number	2
Manufacturer	Kerui
Rig Horsepower	1500 HP
Rig Type	ZJ50L Onshore Drilling Rig
Drilling Depth	5000 m (16400') w/ 4 1/2" OD DP
Max. Capacity	700 klbs - 3150 kN - 320 ton
Drive Motors	3 × CAT 3512 Motor - 1260 HP - 940 kW
Disc Brake	PS50 Hydraulic Disc Brake
Auxillary Brake	Electro-magnetic Eddy- FDWS50 (air cooling)

DRAWWORKS *JC50L*

Rated Input Power	1100 kW
Max. Capacity	700 klbs - 3150 kN - 320 ton
Max. Fastline Pulling Force	340 kN
Main Disc Brake	PS50 Max. brake torque: 135 kN.m
Electro-magnetic Brake	Working brake torque: 75 kN.m
Drum Size	Ø685 × 1138 mm

SUBSTRUCTURE *DZ315/7.5-K*

Drill Floor Height	7.5 m (~24 .6 ft)
Clear Height	6.3 m (~20.7 ft)
Drill Floor Area	7.9 m × 12.5 m

MAST *JJ315/45-K*

Nominal Capacity	700 klbs - 3150 kN - 320 ton
Racking Platform Height	24.5 m / 25.5 m / 26.5 m
Hook Load Capacity	700 klbs - 3150 kN - 320 ton (6×7 Strands)
Effective Height	45 m (147.6 ft)

TOP DRIVE *NOV HPT-500-2E-AC-SG*

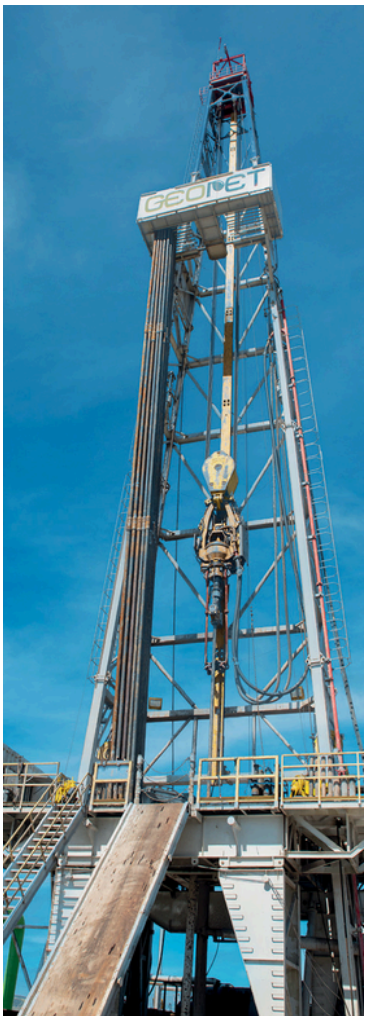
Power	900 HP (2 × 450 HP motors)
Working Load	500 tons (1102 klbs)
Max. RPM	259
Drilling & Break-out Torque	40000 ft-lbs & 80000 ft-lbs

CROWN BLOCK *TC-315*

Max Load	700 klbs - 3150 kN - 320 ton
Dia. of Drilling Line	Ø35 (1 3/8")

TRAVELING BLOCK *YC-315*

Max Hook Load	700 klbs - 3150 kN - 320 ton
Sheaves	No: 6 OD: Ø1270 (50")



Drilling Instrument SZJ

WOB, Hook Load, SPP, Tong Torque
Rotary Table/TD Torque, Rotary Table/TD RPM
SPM, Mud Return data monitoring & tracking

SWIVEL with KELLY SPINNER *XSL450*

Max. Static Load	4500 kN
Max. Rotating Speed & Max. Working Pressure	300 RPM & 35 MPa
Connection Thread Type	6 5/8" REG-LH

GENERATORS

1 × CAT 3412	900 kVA / 720 kW
1 × CAT C18	850 kVA / 680 kW
1 × VOLVO	500 kVA / 400 kW
1 × Emergency Generator	60 kVA / 50 kW

WELL CONTROL *FH 35-35*

21 1/4" × 2000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Double Ram BOP

MUD PUMPS *2 × RS - F1300 Triplex*

Rated Input Power	1300 HP (powered through transmission)

120 Spm; 5000 psi; Stroke:12"; Max. Liner diameter: 7"

MUD SYSTEM & SOLID CONTROL

Total Mud Tank Capacity	267 m³ (1680 bbl) - 6 tanks

With 2×Sand Pump, 2×Mixing pump, Shearing pump, Measuring pump, 12×Agitator, 2×Mud agitator, Liquid-gas seperator

3 × Shale Shaker HS240-3P	2 × 2.2 kW
Desander HD-300 × 2	Desilter HM-100 × 12
Degasser HV240	3 × Mixing hopper HJM-200
1 × Decanter Centrifuge	2000 g 700 lt/min @1800rpm
1 × GEOPET Mud Cooling Unit	2 × 7.5 kW

Hydraulic Power Tools

Hydraulic drill pipe power tong, Hydraulic casing power tong

2 × B type manual tong, Hydraulic power rotary cathead

All required handling equipments (elevators, casing slip-spider)

CAMP UNITS

20 person capable accomodation units

Company Office, Geology Lab & Office, Guest & Mess Room

Kitchen & Laundry & Wi-Fi



DESCRIPTION OF ZJ50L - RIG#3

Rig Number	3
Manufacturer	Kerui
Rig Horsepower	1500 HP
Rig Type	ZJ50L Onshore Drilling Rig
Drilling Depth	5000 m (16400') w/ 4 1/2" OD DP
Max. Capacity	700 klbs - 3150 kN - 320 ton
Drive Motors	3 × CAT 3516 Motor - 1355 HP - 1010kW
Disc Brake	HXPS50 Hydraulic Disc Brake
Auxillary Brake	Electro-magnetic Eddy- FDWS50 (air cooling)

DRAWWORKS *JC50L*

Rated Input Power	1100 kW
Max. Capacity	700 klbs - 3150 kN - 320 ton
Max. Fastline Pulling Force	340 kN
Main Disc Brake	PS50 Max. brake torque: 135 kN.m
Electro-magnetic Brake	Working brake torque: 75 kN.m
Drum Size	Ø685 × 1251.6 mm

SUBSTRUCTURE *DZ315/7.5-K*

Drill Floor Height	7.5 m (~24 .6 ft)
Clear Height	6.2 m (~20.3 ft)
Drill Floor Area	10.06 m × 11.25 m

MAST *JJ315/45-K*

Nominal Capacity	700 klbs - 3150 kN - 320 ton
Racking Platform Height	24.5 m / 25.5 m / 26.5 m
Hook Load Capacity	700 klbs - 3150 kN - 320 ton (6×7 Strands)
Effective Height	45 m (147.6 ft)

TOP DRIVE *JH DQ50BQJH*

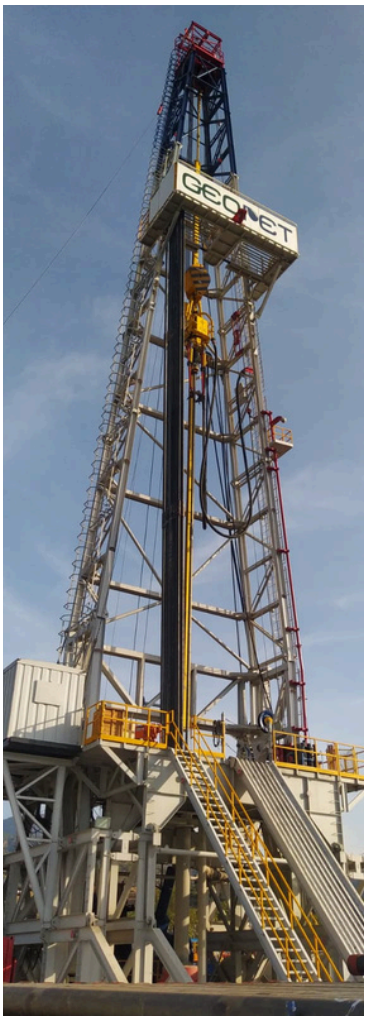
Power	600 HP
Working Load	350 ton (771 klbs)
Max. RPM	180
Drilling & Break-out Torque	35400 ft-lbs & 53000 ft-lbs

CROWN BLOCK *TC-315*

Max Load	700 klbs - 3150 kN - 320 ton
Dia. of Drilling Line	Ø35 (1 3/8")

TRAVELING BLOCK *YC-315*

Max Hook Load	700 klbs - 3150 kN - 320 ton
Sheaves	No: 6 OD: Ø1270 (50")



Drilling Instrument SZJ

WOB, Hook Load, SPP, Tong Torque

Rotary Table/TD Torque, Rotary Table/TD RPM

SPM, Mud Return data monitoring & tracking

SWIVEL with KELLY SPINNER *XSL450*

Max. Static Load	4500 kN
Max. Rotating Speed & Max. Working Pressure	300 RPM & 35 MPa
Connection Thread Type	6 5/8" REG-LH

GENERATORS

2 × CAT C18	850 kVA / 680 kW
1 × STAMFORD	500 kVA / 400 kW

WELL CONTROL *FH 35-35*

21 1/4" × 2000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Annular BOP
13 5/8" × 5000 psi	Shenkai Double Ram BOP

MUD PUMPS *2 × RS - F1600 Triplex*

Rated Input Power 1600 HP (powered through transmission)

120 Spm; 5000 psi; Stroke:12"; Max. Liner diameter: 7"

RIG MOVING UNIT

3 Mobile Cylinders w/hydraulic unit 3 Paw Seats

The rig is capable of walking between pads within the same location without breaking out the drill string on the platform (up to 30 stands of DP).

MUD SYSTEM & SOLID CONTROL

Total Mud Tank Capacity 350 m³ (2220 bbl) - 6 tanks

With 2×Sand Pump, 2×Mixing pump, Shearing pump, Measuring pump, 12×Agitator, 2×Mud agitator, Liquid-gas seperator

2 × Shale Shaker MI Swaco Mongoose

Desander CSJ2×10-200 Desilter CNJ×4-200

Degasser KAZCQ 270 2 × Mixing hopper

1 × Decanter Centrifuge 2000 g 700 lt/min @1800rpm

1 × GEOPET Mud Cooling Unit 2 × 7.5 kW

Hydraulic Power Tools

Hydraulic drill pipe power tong, Hydraulic casing power tong

2 × B type manual tong, Hydraulic power rotary cathead

All required handling equipments (elevators, casing slip-spider)

CAMP UNITS

35 person capable accomodation units Kitchen&Laundry&Wi-Fi

Company Office, Geology Lab & Office, Guest & Mess Room

GEOMET
SONDAJ MÜTEAHHİTLİK A.Ş.



DESCRIPTION OF ZJ50DB - RIG#4

Rig Number	4
Manufacturer	LS Lanzhou
Rig Horsepower	1500 HP
Rig Type	ZJ50DB Onshore Drilling Rig
Drilling Depth	5000 m (16400') w/ 5" OD DP
Max. Capacity	700 klbs - 3150 kN - 320 ton
Drive Type	Electric Drawworks
Main Brake	Motor Dynamic Brake
Auxillary Brake	Hydraulic Disc Brake × 2 (air cooling)

DRAWWORKS *JC50LDB*

Rated Input Power	1100 kW
Max. Capacity	700 klbs - 3150 kN - 320 ton
Max. Fastline Pulling Force	340 kN
Drum Size	Ø685 × 1250 mm

SUBSTRUCTURE *DZ315/9-X*

Drill Floor Height	9 m
Clear Height	7.6 m
Drill Floor Area	13 m × 11.5 m

MAST *JJ315/45-K*

Nominal Capacity	700 klbs - 3150 kN - 320 ton
Racking Platform Height	24.5 m / 25.5 m / 26.5 m
Hook Load Capacity	700 klbs - 3150 kN - 320 ton (6×7 Strands)
Effective Height	45 m (147.6 ft)

TOP DRIVE *JH DQ70BS-JH*

Power	2 × 422 HP
Working Load	500 ton (1100 klbs)
Max. RPM	220
Drilling & Break-out Torque	40500 ft-lbs & 60500 ft-lbs

CROWN BLOCK *TC-315*

Max Load	700 klbs - 3150 kN - 320 ton
Dia. of Drilling Line	Ø35 (1 3/8")

TRAVELING BLOCK *YC-315D*

Max Hook Load	700 klbs - 3150 kN - 320 ton
Sheaves	No: 6 OD: Ø1270 (50")



Drilling Instrument VDX

Depth, Hook Load, Rotary Table/TD Torque, RPM
WOB, SPM, SPP, Mud Return, Mud Tank Volumes
CCTV Monitoring, data monitoring & tracking

SWIVEL with KELLY SPINNER *SL450*

Max. Static Load	4500 kN
Max. Rotating Speed & Max. Working Pressure	300 RPM & 35 MPa
Connection Thread Type	6 5/8" REG-LH

GENERATORS

3 × CUMMINS KTA50-GS8 1500 kVA / 1200 kW 600V 50Hz

WELL CONTROL

21 1/4" × 2000 psi	FHZ54-14 Annular BOP
13 5/8" × 5000 psi	FH35-35 Annular BOP
13 5/8" × 5000 psi	2FZ35-35 Double Ram BOP
13 5/8" × 5000 psi	FZ35-35 Single Ram BOP

BOP Control Unit FKDQ800-6 800 lt w/Remote Control Panel
Flare Line 4" 50 m Manual and Remote operation 3 m height

MUD PUMPS *3 × F1600 Triplex*

Rated Input Power 1600 HP (powered independently)
120 Spm; 5000 psi; Stroke:12"; Max. Liner diameter: 7"
Powered by 3 × JICHAI 3000 Series Engine 1600 HP - 1200 kW

MUD SYSTEM & SOLID CONTROL

Total Mud Tank Capacity 300 m³ (1880 bbl) - 6 tanks
3 × Shale Shaker GNZS594K
Vacuum Degasser 270 m^3/h Mud Cleaner 10"×3 4"×16
Poorboy Degasser H2S Resist 2 × Mixing hopper
Decanter Centrifuge 1000 lt/min @3400 rpm
Mud Lab all required equipments and chemicals included

Hydraulic Power Tools

Hydraulic casing power tong (20" - 4 1/2"), Jam Unit
2 × B type manual tong, Hydraulic power rotary cathead
Hydraulic Torque Wrench, JJC Iron Roughneck
All required handling equipments (elevators, casing slip-spider)

CAMP UNITS

24 person capable accomodation units
Company Office, Geology Lab & Office, Guest & Mess Room
Kitchen & Laundry & Wi-Fi

REFERENCES

TÜRKİYE PETROLLERİ ANONİM ORTAKLIĞI

greeneco ENERJİ ELEKTRİK ÜRETİM AŞ.

PERENCO

SANKO ENERJİ

Geos

KOCAER

TAQA

MTN ENERJİ

Aladdin Middle East Ltd.

GÜRİŞ TEKNOLOJİ A.Ş.

esan

ÇELİKLER HOLDİNG

AKÇA ENERJİ

HEZ enerji

KİPAŞ HOLDİNG

ENTHER ENERJİ SANAYİ VE TİCARET A.Ş.