

T-420

2000 HP ELECTRICAL DC HELI-PORTABLE DRILLING RIG

TECHNICAL OVERVIEW

Rating	2000 HP
Hook load	1,000,000 lbs
Drilling depth	20,000 ft
Refurbished in 2021	

MAST

Maker & Model	DSI
Suitable for:	Triple stands range 2 drill pipes
Static hook load capacity	1,000,000 lb with 12 lines
Clear height	142 ft

SUBSTRUCTURE

Maker & Model	LEE C. MOORE
Rotary Capacity	1,000,000 lb
Setback Capacity	600,000 lb
Clearance	25 ft

DRAWWORKS

Maker & Model	NATIONAL 1320-UE
Rated input power	2,000 HP
Drum brake type	Band
Auxiliary Brake	BAYLOR ELMAGCO 7040

TOP DRIVE

Maker & Model	VARCO TDS11SA
Rated load capacity	500 tn
Max. continuous output torque	37,500 lbs-ft @ 125 rpm

ROTARY TABLE

Maker & Model	LANZHOU ZP-375
Capacity	600 tn
Maximum opening	37 1/2"

IRON ROUGHNECK

Maker & Model	HAWK IND. M100K-2GSR
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MUD PUMPS

Quantity:	3
Maker & Model	LEWCO WH-1612
Rated input power	1,600 HP
Working Pressure	5,000 psi

LOW PRESSURE MUD SYSTEM

Number of mud tanks	7
Mud tanks total capacity	Approx. 1,700 bbl
Water tanks total capacity	Approx. 1,000 bbl



SHALE SHAKERS

Quantity:	4
Maker & Model	MI-SWACO MONGOOSE
Mud cleaner	MI-SWACO MONGOOSE 212-8T4

LOW PRESSURE BOP

Annular Preventer	One (1) 21.1/4" - 2K
Ram Preventer	NA

HIGH PRESSURE BOP

Annular Preventer	One (1) 13.5/8" - 5K
Ram Preventer	Two (DBL+SGL) 13.5/8" - 5K

CHOKE MANIFOLD GENERAL

Choke manifold	OILFIELD
Size & pressure	4.1/16" - 10K

ELECTRIC GENERATION SYSTEM

Engine type	4 x CATERPILLAR 3512C 1 x CATERPILLAR 3512B
Horsepower Rating	5 x 1,476 HP
Control Unit	LEGACY (SCR)

CAMP

Mini Camp	Requested by Client
Main Camp	Requested by Client

ADDITIONAL EQUIPMENT