

T-227 2000 HP DRILLING RIG

TECHNICAL OVERVIEW

Rating	2,000 HP
Hook load	1,000,000 lbs
Drilling depth	20,000 ft
Year of construction	1981, refurbished in 2010

MAST

Maker & Model	Pyramid cantilever
Suitable for:	Triple stand range 2 drill pipes
Static hook load capacity	1,000,000 lbs
Clear height	142 ft

SUBSTRUCTURE

Maker & Model	Pyramid swing up
Rotary Capacity	1,000,000 lbs
Setback Capacity	270 ton
Clearance	38.5 ft Ground to Rotary Beam

DRAWWORKS

Maker & Model	Ideco E2100
Rated input power	2,000 HP
Drum brake type	Band
Auxiliary Brake	Baylor Elmagco 7838

TOP DRIVE

Maker & Model	NOV TDS 11SA
Rated load capacity	454 mt
Max. continuous output torque	37,100 lbs.ft @ 110 rpm

ROTARY TABLE

Maker & Model	Ideco LR-375
Capacity	454 mt
Maximum opening	37.1/2"

IRON ROUGHNECK

Maker & Model	N/A
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MUD PUMPS

Quantity:	3
Maker & Model	2 Ideco 1600, 1 Emsco FB1600
Rated input power	1,600 HP
Working Pressure	5,000 psi

LOW PRESSURE MUD SYSTEM

Number of mud tanks	9
Mud tanks total capacity	Approx. 4756 bbl
Water tanks total capacity	Approx. 1427 bbl



SHALE SHAKERS

Quantity:	4 (Shaker + Mud Cleaner)
Maker & Model	Derrick Hyperpool
Mud cleaner	Derrick

LOW PRESSURE BOP

Annular Preventer	One (1) Hydril MSP – 21.1/4" – 2K
Ram Preventer	Two (2) Shaffer LWS – 20.3/4" – 3K

HIGH PRESSURE BOP

Annular Preventer	One (1) Hydril GK – 13.5/8" – 5K
Ram Preventer	Three (3) Cameron U – 13.5/8" – 10K

CHOKE MANIFOLD GENERAL

Choke manifold	T3 Energy
Size & pressure	4.1/16" – 10.000 psi

ELECTRIC GENERATION SYSTEM

Engine type	Caterpillar 3512B
Horsepower Rating	4 x 1,476 HP
Control Unit	Ross Hill PCR (SCR)

CAMP

Mini Camp	Yes
Main Camp	Yes, approx. 100 beds

ADDITIONAL EQUIPMENT