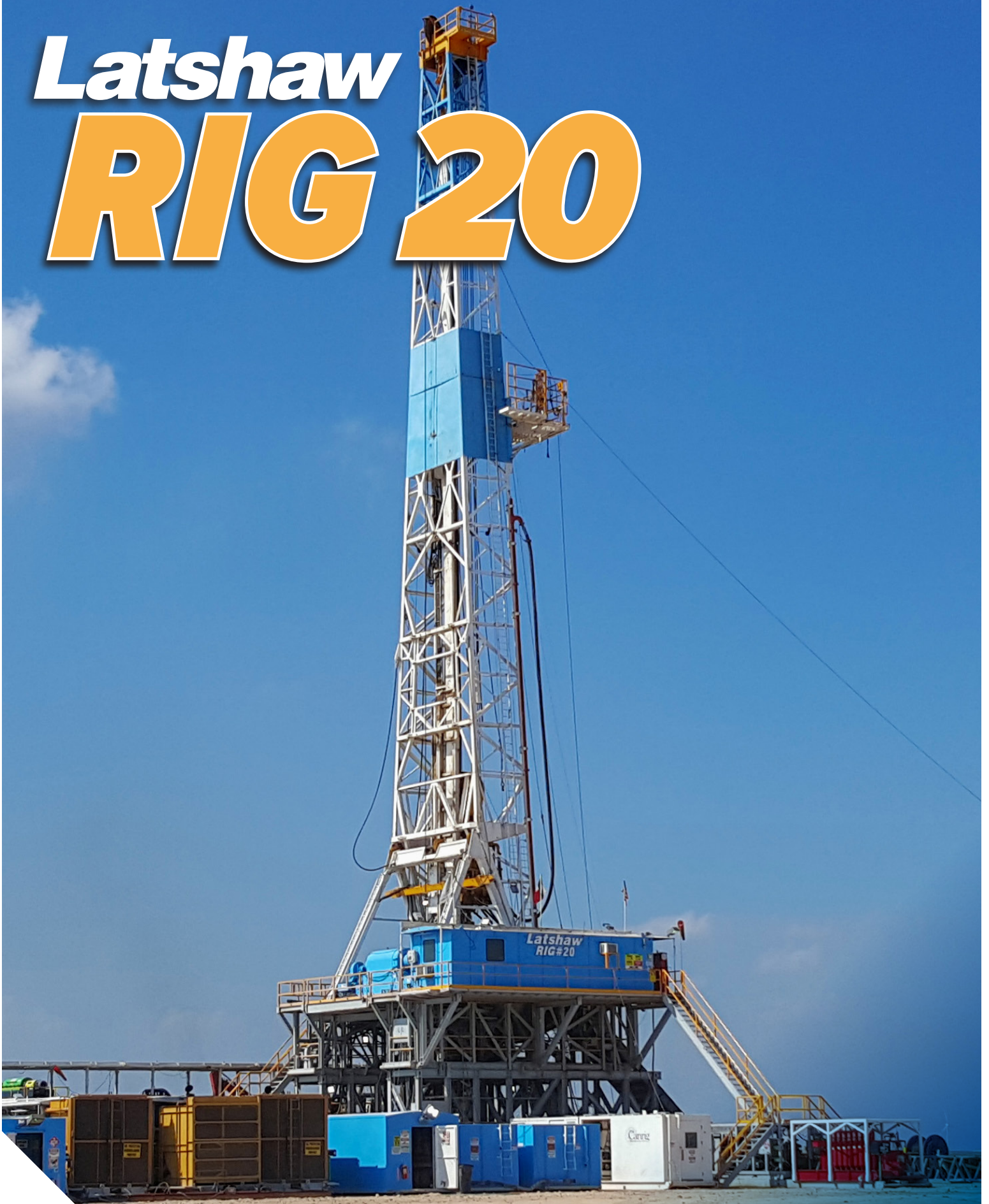


Latshaw

RIG 20



RIG 20 SPECIFICATIONS

HOISTING, ROTATING & PIPE-HANDLING EQUIPMENT

DRAWWORKS	Emsco C1 Type II (1500 HP) driven by (2) GE 752 DC Motors, Baylor7040 Auxillary Brake
ROTARY TABLE	SJ Petro 27 1/2 – Independent Drive
TRAVELING BLOCK	Gardner Denver 500 Ton
TOP DRIVE	Canrig 1250AC 500 Ton
IRON ROUGHNECK	Varco ST-80
HYDRAULIC SLIPS	N/A
HYDRAULIC CATHEADS	N/A
HYDRAULIC CATWALK	N/A
PIPE HANDLING	IAT Rotating Mouse Hole

MAST & SUBSTRUCTURE

MAST DESIGN	Dreco
HEIGHT	142'
LOAD RATING	750,000# Hook Load
RACKING CAPACITY	22,700' of 5" DP
SUBSTRUCTURE DESIGN	Box on Box
FLOOR HEIGHT	26'
CLEAR HEIGHT	22'7"
LOAD RATINGS	750,000# Casing / 450,000# Setback

TRANSPORT

ESTIMATED LOADS	40+ Tubulars
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DRILLING CONTROL SYSTEM

DRILLER'S CABIN	N/A
HEIGHT	N/A

POWER PACKAGE

ENGINES	(3) Caterpillar 3512
BI-FUEL	N/A
GENERATORS	(3) Kato 1365KW
VFD SYSTEM	Omron (3) Generator Bays (4) SCR Bays

BOP EQUIPMENT

ANNULAR	TBD
SINGLE RAM	TBD
DOUBLE RAM	TBD
ACCUMULATOR	6 Station / 180 Gallon
CHOKE MANIFOLD	4-1/16" 10M
MUD/GAS SEPARATOR	Poor Boy Degasser
BOP HANDLER	N/A
BOP WINCHES	N/A

MUD SYSTEM

MUD PUMPS	(2) Lewco WH-1612 (1600HP) Rated @ 7,500# WP PSI Fluid Ends and Delivery System
CHARGING PUMPS	(2) 6x5x14 60HP
PROCESS PIT	(600 bbl) Four-Compartment with (3) Max 2000 Agitators
SUCTION PIT	(600 bbl) Four-Compartment with (4) Max 2000 Agitators
AUXILIARY PREMIX PIT	(2) 6x5x14 60HP
TRIP TANK	(100 bbl) One-Compartment with 10HP Max 2000 Agitator
TRIP TANK PUMP	4x3x13 100HP
SHALE SHAKERS	Brandt 285P
DEGASSER	Brandt 0-1000C
DESANDER	Brandt 3-Cone/10"
DESANDER PUMP	6x8x14 100HP
DESILTER	NOV 20-Cone 14"
DESILTER PUMP	6x8x14 100HP
MUD MIXING PUMPS	6x8x14 100HP

STORAGE CAPACITIES

DRILLING WATER	500 bbl
DIESEL	18,000 Gallons

TUBULARS

DRILL PIPE	TBD
DRILL COLLARS	TBD

PAD DRILLING (OPTIONAL EQUIPMENT)

RIG WALKING SYSTEM	Veristic Rig Walker
PAD CAPABILITY	150' x 40' X, Y Axis