

IRI 1500E Drilling Rig Inventory Of Equipment

DRAWWORKS:

TRAILOR MOUNTED IRI MODEL 2550 DRAWWORKS. RATED AT 1500 HP. DRIVEN BY TWO (2) GE752 SERIES WOUND DC TRACTION MOTORS. LEBUS GROOVED MAIN DRUM FOR 1-1/4" DRILL LINE. COMPLETE WITH AN NOV BAYLOR MODEL 6032 DYNAMIC EDDY-CURRENT BRAKING SYSTEM AND INDEPENDANT BRAKE WATER COOLING SYSTEM

MAST:

IRI MODEL 127-735, 127 FT CLEAR HEIGHT x 13 FT. LEG SPREAD, FREE STANDING TELESCOPING MAST. HYDRAULICALLY RAISED TO FLOOR LEVEL. 735,000 LBS. STATIC HOOK LOAD CAPACITY ON 12 LINES, 1,000,000 LB EQUIVALENT GNC (10 LINES), IRI CROWN BLOCK W/ FIVE (5) 36" SHEAVE CLUSTER AND ONE (1) 42" FAST-LINE SHEAVE. COMPLETE WITH CROWN SAFETY PLATFORM, RACKING BOARD CAPACITY OF 16,000 FT. OF 4-1/2" DRILL PIPE, HYDRAULIC MAKE-UP AND BREAK-OUT CATHEADS, TONG COUNTER WEIGHTS, DERRICK CLIMBING ASSIST DEVICE, GERONIMO, 4" STANDPIPE AND MANIFOLD, MAST STAND.

SUBSTRUCTURE:

IRI 22 Ft. CROSS TYPE SUBSTRUCTURE. HYDRAULICALLY RAISED AND LOWERED. 17'-8" CLEAR HEIGHT BELOW THE BOTTOM OF THE ROTARY BEAMS. 735,000 lb ROTARY CAPACITY, 400,000 lb SETBACK CAPACITY AND 1,135,000 lb MAX. SIMULTANEOUS LOAD

DEADLINE ANCHOR:

NATIONAL TYPE "E" DEADLINE ANCHOR WITH M/D TOTCO TYPE E-80 LOAD SENSATOR.

ROTARY TABLE:

INDEPENDANT ROTARY DRIVE SYSTEM, COMPLETE WITH ONE (1) IDECO MODEL LR-275-K, 27-1/2" ROTARY TABLE WITH API MASTER BUSHINGS AND SPLIT INSERT BOWEL. ONE (1) VARCO 27" "MSPC" PIN DRIVE SPLIT MASTER BUSHING, ONE IDECO TWO SPEED TRANSMISSION AND DRIVEN BY A GE752 SERIES WOUND DC TRACTION MOTOR.

HOOK - BLOCK:

CONTINENTAL-EMSCO RA-44 WITH WEB-WILSON HYDRA-HOOK, 350 TON RATED CAPACITY BLOCK-HOOK COMBINATION, WITH FIVE (5) 44" SHEAVES GROOVED FOR 1-1/4" WIRE LINE.

SWIVEL:

OILWELL MODEL PC-300. 300 TON RATED CAPACITY

KELLY:

5-1/4" x 40 Ft. WORKING LENGTH HEXAGONAL

KELLY DRIVE BUSHING:

VARCO 27-HDP, PIN DRIVE ROLLER KELLY BUSHING

ELEVATOR LINKS:

3-1/2" x 132" 350 TON WELDLESS ELEVATOR LINKS.

BOP CONTROL UNIT:

KOOMEY TYPE 80 7-STATION CLOSING UNIT. WITH TWENTY-EIGHT (28) ELEVEN (11) Ga. CYL;INDRICAL ACCUMULATORS, ONE (1) 30 HP TRIPLEX PUMP, THREE (3) AIR PUMP. FOUR (4) SETS 1" HEAT SHIELDED BOP CONTROL HOSES.

MUD PUMPS:

TWO (2) GARDNER-DENVER MODEL PZK (PZ-10) TRIPLEX MUD PUMPS. DRIVEN BY ONE (1) GE752 TYPE SERIES WOUND DC TRACTION MOTORS. SUCTIONS CHARGED BY 6" X 5", SERIES 250 CENTRIFUGAL PUMPS DRIVEN BY A 40 HP AC ELECTRIC MOTOR. 5000 PSI DISCHARGE PULSATION DAMPENERS. UNITIZED ON A WELDED STEEL OILFIELD SKID.

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MUD SYSTEM:

SHAKER TANK

240 BBL THREE (3) COMPARTMENTS. COMPLETE WITH TWO (2) 6" X 5" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 50 HP AC ELECTRIC MOTOR. ONE (1) VERTICAL DESANDER WITH TWO (2) 10" CONES, DESILTER WITH FOURTEEN (14) 4" CONES, TWO (2) NOV-BRANDT MA-10, 10 HP MUD AGITATORS. TWO (2) DERRICK, 3-PANEL, LINEAR MOTION SHALE SHAKERS.

INTERMEDIATE TANK

455 BBL. SINGLE COMPARTMENT. COMPLETE WITH TWO (2) NOV-BRANDT MA-15, 15 HP MUD AGITATORS, INTERNAL PIPING, TOP MOUNTED WALKWAYS AND SAFETY RAILING.

SUCTION TANK

362 BBL TWO (2) COMPARTMENT. COMPLETE WITH TWO (2) 6" X 5" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 75 HP AC ELECTRIC MOTOR, TWO (2) NOV-BRANDT MA-15, 15 HP MUD AGITATORS. ONE (1) 70 BBL SLUGGING TANK.

(1) 36" Dia. ATMOSPHERIC DEGASSER

ELECTRICAL SYSTEM:

GENERATORS:

THREE (3) CATERPILLAR MODEL 3512-TA DIESEL ENGINES EACH DRIVING A KATO 1050 KW, 600 VOLT AC GENERATOR.

ALLEN BRADLEY MOTOR CONTROL CENTERS

ROSS HILL MODEL 1400 SCR SYSTEM

COMPRESSED AIR SYSTEM:

ONE (1) GARDNER-DENVER MODEL EBERG ROTARY SCREW TYPE AIR COMPRESSORS DRIVEN BY A 30 HP AC ELECTRIC MOTOR.

ONE (1) GARDNER-DENVER MODEL ADL ROTARY SCREW TYPE AIR COMPRESSORS DRIVEN BY A 30 HP AC ELECTRIC MOTOR.

ONE (1) GARDNER-DENVER RECIPRICATING TYPE AIR COMPRESSORS DRIVEN BY A 25 HP AC ELECTRIC MOTOR.

ONE (1) 120 Ga. AIR RECEIVER

WATER TANK:

ONE (1) 375 BBL RECTANGULAR WATER TANK COMPLETE WITH TWO (2) SERIES 250 2" x 3" CENTRIFUGAL PUMP DRIVEN BY A 20 HP AC ELECTRIC MOTOR.

FUEL TANK:

ONE (1) 12,000 Ga. BAFFELED RECTANGULAR FUEL TANK COMPLETE WITH ONE (1) FUEL PUMP DRIVEN BY A 5 HP AC ELECTRIC MOTOR.

INSTRUMENTATION:

ONE (1) DRILLING INSTRUMENTATION PANEL MOUNTED AT DRILLER'S POSITION AND CONSISTING OF ONE (1) WEIGHT INDICATOR, ONE (1) TONG LINE PULL INDICATOR GAUGE, TWO (2) PUMP PRESSURE INDICATOR GAUGE AND ONE (1) ROTARY TORQUE GAUGE AND ONE (1) ROSS HILL DRILLERS CONTROL PANEL

AUXILIARY EQUIPMENT:

TWO (2) BRADEN MODEL PD-12 HYDRAULIC HOIST MOUNTED AT RIG FLOOR.

ONE (1) RETRIEVER TYPE ELECTRO-HYDRAULIC WIRELINE MEASURING DEVICE. COMPLETE WITH 15,000 Ft. OF .092" WIRELINE

RIG SITE STRUCTURES:

ONE (1) RIG FLOOR HOUSE MOUNTED AT DRILLERS POSITION.

ONE (1) CREW CHANGE HOUSE