

**ADDITIONAL DETAILED SPECS AVAILABLE UPON REQUEST
CONSTRUCTION ON RIGS WILL BEGIN AFTER CUSTOMIZED ITEMS HAVE BEEN
DETERMINED! 1st rig will take up to 6 months to complete, with each one after that
being completed in 30 to 60 days afterwards.**

DRAWWORKS

MODEL	NATIONAL 1320 UE (REBUILT)
RATED HORSEPOWER	2,000 HP
DRIVE MOTORS	ONE ELECTRIC MOTOR DRIVE ARRANGEMENT W/ TWO G.E. 752 SERIES WOUND DC TRACTION MOTORS, EACH MOTOR TO INCLUDE A JUNCTION BOX W/ LOCKOUT SWITCH AND A 15HP BLOWER.
AUXILIARY BRAKE	<ul style="list-style-type: none"> • ONE AUXILIARY DRAWWORKS BRAKING SYSTEM CONSISTING OF ONE BAYLOR MODEL 6032 BRAKE • ONE DRILLER'S HAND CONTROL • ONE BAYLOR PWM-10 CONTROL ENCLOSURE ASSEMBLY MOUNTED IN THE SCR HOUSE AND • ONE PRIMARY 186 VOLT SECONDARY, 60 HZ MOUNTED ON THE SCR HOUSE PORCH.
BRAKE COOLING/ CENTRIFUGAL PUMP	<ul style="list-style-type: none"> • ONE BRAKE COOLING/TRIP TANK ONE APPROXIMATELY 60BBL TRIP TANK W/ ONE MCM 3 X 2 CENTRIFUGAL PUMP W/ MECHANICAL SEAL AND POWERED BY A 25HP, 1800RPM, 480 VOLT, 3-PHASE, 60 HZ AC MOTOR WITH REMOTE START/STOP FROM THE DRILL FLOOR • ONE 5HP AGITATOR SUPPLIED AND INSTALLED IN THE TANK • ONE APPROXIMATELY 80 BBL BRAKE COOLING TANK W/ TWO MISSION TYPE 2 X 3 X 1-7/8 CENTRIFUGAL PUMPS EACH POWERED BY A 25HP, 1800RPM, 480 VOLT, 3-PHASE, 60 HZ AC MOTOR • THE UNIT TO CONTAIN HORIZONTAL MOUNTED ELECTRIC MOTOR DRIVEN RADIATOR AND THERMOSTAT

MAST

MODEL	BRAHAM LOW LIFT CANTILEVER MAST (REBUILT)
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HOOK CAPACITY	1,000,000 LBS NOMINAL TO API @ 12 LINES
CLEAR HEIGHT	142 FEET (25 FT BASE)
WIND RATING	115 MPH
CROWN BLOCK	<ul style="list-style-type: none"> PIN TYPE WITH 60 IN. SHEAVES GROOVED AT 1-3/8 IN. ONE 62 IN. FASTLINE SHEAVE GROOVED AT 1 3/8 IN. LINE AND CROWN SAFETY PLATFORM INCLUDING TWO FLAG POLE SET CLAMPS ON THE CROWN SAFETY PLATFORM.
OTHER	ALL OF THE WELDS ON THE MAST WILL BE INSPECTED FOR DEFECTS, WEAR AND SIGNS OF METAL FATIGUE AFTER THE MAST IS BLASTED AND BEFORE THE PAINTING PROCESS BEGINS. ANY DEFECTIVE OR SUSPECT WELDS WILL BE REPAIRED AND REINSPECTED TO INSURE THAT THE MAST MEETS OR EXCEEDS ALL API ORIGINAL STANDARDS.
SUB STRUCTURE	
MODEL	BRANHAM LOW LIFT SUBSTRUCTURE (REBUILT)
DRILL FLOOR HEIGHT	25 FT – 3 INCHES
FLOOR AREA	45 FEET X 40 FEET AND IS COVERED WITH ¼ INCH DIAMOND PLATE STEEL
CASING CAPACITY	1,000,000 LBS
SETBACK CAPACITY	650,000 LBS
CLEARANCE UNDER THE ROTARY BEAMS	22 FEET-2 INCHES
ELEVATOR SYSTEM	SYSTEM TO RAISE THE DRAWWORKS FROM THE GROUND TO THE 25 FT-3 IN FLOOR LEVEL
	<ul style="list-style-type: none"> THREE SETS OF SAFETY STEPS WITH HANDRAILS FROM THE RIG FLOOR TO THE GROUND LEVEL ALL OF THE WELDS ON THE SUBSTRUCTURE WILL BE INSPECTED FOR DEFECTS, WEAR AND SIGNS OF METAL FATIGUE AFTER THE MAST IS BLASTED AND BEFORE THE PAINTING PROCESS BEGINS. ANY DEFECTIVE OR SUSPECT WELDS WILL BE REPAIRED AND REINSPECTED TO INSURE THAT THE SUBSTRUCTURE MEETS OR EXCEEDS ALL API ORIGINAL STANDARDS.

CAT WALK	
STRUCTURE	5 FT. WIDE 18 INCH HIGH 60 FT. LONG DIVIDED INTO TWO 30 FT. SECTIONS
DRILL LINE	
MAKE	AIR POWERED DRILL LINE STAND W/ SUPPLIES AND DESIGNED TO ACCOMMODATE 5,000 FT. OF STEEL DRILL LINE
DRILL STRING	
LENGTH	15,000 FT – 5 IN O.D. GRADE IN GIN. 19 LBS.
DRILL COLLARS	20-7 1/4 IN. O.D. X 30 FT
OTHER	THE FINAL CONFIGURATION OF THE DRILL STRING WILL BE ACCORDING TO THE BUYERS NEEDS AND ADDITIONAL DRILL STRING AVAILABLE UPON REQUEST AT ADDITIONAL COST
DRILL LINE SPOOLER	
DRILL LINE	1-3/8 IN. DRILL LINE
TRAVELING ASSEMBLY	
BLOCK	
MODEL	500 TON NATIONAL
SHEAVES	6 @ 50" FOR 1 3/8" LINE
HOOK	
MODEL	500 TON
ROTARY EQUIPMENT	
ROTARY TABLE	
TYPE	NATIONAL
SIZE	27 1/2 INCHES
DRIVE	<ul style="list-style-type: none"> • ONE INDEPENDENT ROTARY DRIVE W/ SKID, G.E. 752 SERIES WOUND DC TRACTION MOTOR • HUBS AND DRIVE SHAFT WITH ONE 15 HP ROTOCLONE BLOWER MOUNTED IN THE MAST W/ AIR DUCTING TO THE ROTARY MOTOR.
OTHER	<ul style="list-style-type: none"> • ROTARY TABLE INDEPENDENTLY DRIVEN BY A NATIONAL 2 SPEED TRANSMISSION, INCLUDING RIGID BOX-TYPE BASE, CARTRIDGE TYPE PINION SHAFT ASSEMBLY

	<p>W/ ROLLER BEARINGS,</p> <ul style="list-style-type: none"> • INDEPENDENTLY OPERATED RATCHETING TURNABLE LOCKING-PAWLS W/ SELECTION OF PERMANENT LOCK IN BOTH DIRECTIONS • HEAT TREATED SPIRAL BEVEL GEAR AND PINION, PRECISION ALLOY-STEEL MAIN TABLE BALL BEARING • UPPER THRUST BALL BEARING AND CENTRALIZED OIL AND GREASE LUBRICATION.
MUD HANDLING SYSTEM	
MUD PUMPS	2 @ ELLIS WILLIAMS 1000 HP WITH FLUID-END MODULES, SUCTION AND DISCHARGE MANIFOLDS, LINER FLUSHING PUMP AND RESERVOIR.
TYPE	TRIPLEX
CAPACITY	1000 BBL TOTAL
OTHER	MUD SYSTEM WILL HAVE CONTOURED FLOORS TO ELIMINATE DEAD CORNER CIRCULATION ISSUES AND MAXIMIZE PARTICULATE SUSPENSION IN THE MUD FLUIDS
TANKS	
SHAKER TANK	1 - 500 BBL - THREE COMPARTMENT SHAKER TANK APPROXIMATELY 10 FT. WIDE 8 FT. DEEP AND 40 FT. LONG
SHALE SHAKERS	2 - BRANT KING COBRA SHAKERS OR EQUAL SUBSTITUTION
CIRCULATING PUMPS	2 - MISSION TYPE 6 X 5 PUMPS EACH W/ MECHANICAL SEALS AND POWERED BY A 60 HP, 1800-RPM, 480 VOLT, 3-PHASE, 60 HZ AC MOTOR
DEGASSER	1 - BRANT DG-10 DEGASSER OR EQUAL SUBSTITUTION SUPPLIED AND MOUNTED IN FIRST ACTIVE COMPARTMENT
DESILTER	1 - BRANT SE-12, 12 CONE DESILTER OR EQUAL
DESANDER	1- BRANT SRS-2, 2-CONE DESANDER OR EQUAL SUBSTITUTION
SUCTION TANK	ONE, THREE COMPARTMENT SUCTION TANK APPROXIMATELY 10FT. WIDE X 8FT. DEEP X 40FT. LONG
PUMPS	2 PUMPS W/ TWO CHARGING PUMPS MOUNTED

	ON THE EXISTING MUD PUMP SKID EXTENSION
GENERATOR UNITS:	
GENERATORS	2 - CATERPILLAR 3512 DIESEL ELECTRIC LAND GENERATOR SETS W/ STANDARD ENGINE DRIVEN RADIATOR
AC GENERATORS	2 - SR4 1750 KW, 1200 RPM, 600 VOLT, 3-PHASE, 60 HZ SINGLE BEARING GENERATORS
SCR HOUSE:	
OTHER	THE CUSTOMER WILL DETERMINE THE FINAL SCR SPECIFICATIONS AN BUILT BY OEM
AUXILARY EQUIPMENT & STORAGE	
AIR COMPRESSOR	GARDNER DENVER MODEL HRA2512S COMPRESSOR
BOP PREVENTION & WELL CONTROL EQUIPMENT	
PREVENTOR	THE CUSTOMER ACCORDING TO THEIR NEEDS AND THE FINAL EQUIPMENT TYPE WILL DETERMINE THE BOP SYSTEM TYPE AND EQUIPMENT CONFIGURATION AND CONFIGURATION IS SUBJECT TO EQUIPMENT AVAILABILITY WITHIN THE RIG DELIVERY SCHEDULE

Disclaimer:

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