

1981 CHALLENGER 320 D/D

Drawworks	1981 Challenger Mod. 320 double drum drilling unit, Trailer mounted with mod. 224 double drum drawworks, Lebus grooved 7/8" line, Air operated controls, 12" hydromatic brake
Mast	Challenger, 64' H, 4-leg mast, 150,000 lb. Static hook load, Hydraulically raised, (6) Sheave crown block, Crown safety platform, Ladder, Guylines
Carrier	All above mounted on Dickerson Tri-Axle trailer with Detroit 8V-92N diesel engine with electric start, Radiator, Gauges, Allison CLT-750 transmission, (2) Koenig 2,500 lb. hoists, Halliburton wireline unit, (1) Hydraulic reservoir, (2) 500-gallon fuel tanks, (4) Hydraulic leveling jacks, Golding walkways with stairs, Safety rails, 18R22.5 front tires & 11R20 rear tires
Substructure	Shop built 8' 6" W x 10' L Drive-on ramp type substructure with 100,000 lb. setback, 150,000 lb. casing capacity, Rotary beams, V-door ramp, Stairs, Safety rails, Deadline anchor
Mud Pump #1	National 7-P-50, 550 HP triplex independently powered by Cat D-379 diesel engine
Mud Pump #2	Wilson 600 duplex mud pump independently powered by Detroit HV-71 diesel engine
Power Sub	Venture Tech PS-6K
Rotating Equipment	Howard Turner 18" rotary table with split master bushings
	Howard Turner 75 ton swivel 4-1/4" dia x 40' L square Kelly
Traveling Equipment	(2) McKissick 75 ton blocks with (3) sheaves f/ 7/8" line
	3" x 108" L elevator bails
Well-Control Equipment	Regan 10" x 3,000 psi. annular blowout preventer, Cameron 4-station closing unit with Triplex pump, Gauges, (4) 20-gallon accumulator bottles, Electric/Air pump, skidded
Houses	8' W x 32' L Tandem axle toolpusher's trailer, fully furnished
	Shop built 8' W x 18' L Driller's doghouse with round top, (5) lockers, Bench storage, Lights, Heater, 200 Bbl. Water tank, 8,000 Gallon fuel tank, mounted on 8' W x 40' L Tandem axle trailer, 10.00 x 22 tires
	Shop built 7' 6" w x 21' L Change house with (13) lockers, Bench, Fluorescent lights, Heater, 7' 6" W x 9' L parts room with shelving, 7' 6" w x 6' 2" L Fuel tank, mounted on 7' 6" W x 36" L Tandem axle trailer, 10.00 x 22 tires, 10-hole budd wheels.
	Shop built 8' W x 10' L parts house skidded

Generator / Utility House	No.1 – Olympian 100 KW. AC generator powered by Perkins 1066-6TG diesel engine with electric start, Radiator, Gauges, Mounted dog house trailer
	No. 2 – Olympian 100 KW. AC Generator powered by Perkins 1066-6TG diesel engine with electric start, Radiator, Gauges, Mounted dog house trailer
	Shop built 2' W x 4' H x 9' L, 4-compartment Lubester, Mounted utility house
	1-Stage air compressor powered by 5HP electric motor, Mounted on 50 Gallon air receiver tank
	All above mounted 8' W x 30' L Utility house, Skidded
Mud System	(2) 250 Bbl. Bulk Tanks, (2) Mission magnum 2" x 3" centrifugal pump, electric motors
Instrumentation	Martin Decker "The clipper" 340,000 lb weight indicator
	Martin Decker "Hydro-Weight Special" 320,000 lb weight indicator with pump pressure gauge
Drill Pipe	TBD
Drill Collars	TBD
Handling Tools	Woolley Type C rotary tongs, Web Wilson 3-1/2" drill pipe elevators, Set of 2-7/8" drill pipe elevators, Varco drill pipe slips, BASSH-ROSS DC safety clamp
Ancillary Equipment	(2) shop built 7'9" W x 32" H x 37' L pipe tubs, (1) with center walk-skidded, (1) set of (2) 3' H x 20' L Triangle pipe racks, 3" x 40' L rotary hose, (1) 3" Dia. X 16' L Vibrator hoses, (2) 8" x 12' L Suction hoses
	Miscellaneous spare parts, hand tools, valves, fire extinguishers, etc.