



**CONTRACTOR SERVICES INC**

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Well Servicing / Workover Pole Rigs

Technical Data Sheet

**RIG #7** DICKIRSON SR-80

**FEATURES AND SPECIFICATIONS**

**Mast Rating:** 175,000 lbs.

**Tubing Drum:** 10 3/4" diameter X 37" long drum core with 28" diameter flanges. Equipped with divider and 12 3/4" diameter X 31" long grooved Vickers jacket for 7/8" line.

Double band 8" X 30" brakes with 1,300 sq. in. braking surface. Three-plate 18" air tube disc clutch mounted on drum end, making full floating drum. 1 3/4" pitch single drive chain.

Maximum bare drum, single line pull: 30,000 lbs.

**Sand Line Drum:** 10 3/4" diameter X 37" long drum core with 35" diameter flanges. Double band 8" X 30" brakes with 1,300 sq. in. braking surface. Three-plate 18" air tube disc clutch mounted on drum end, making full floating drum. 1 3/4" pitch single drive chain.

Maximum bare drum, single line pull: 35,000 lbs. Maximum spooling capacity: 7,000 ft. of 5/8" line.

**Spooling Device:** For sand line guide sheave. Facilitates spooling of cable onto drum. Controls located on driller's side.



## FEATURES AND SPECIFICATIONS (continued)

**Mast Pole:** Double telescoping type measuring 8" X 10" (square pole) X 65' high when fully extended. Includes four-sheave mast head-three sheaves in line and one cross sheave. Three sheaves grooved to accommodate 1" line. One cross sheave grooved for 1" line. Includes DBI/Sala safety block fall protection device. Ladder provided on lower section.

Maximum hook load capacity at 4 degree tilt: 100,000 lbs. when properly guyed.

175,000 lb capacity at 4 degree tilt and when properly guyed.

**Traveling Sheave:** 26" traveling sand line sheave assembly at top of double mast pole. Sheave grooved for 5/8" line.

**Power Unit:** Caterpillar C7 6-cylinder turbo diesel engine, industrial type. Includes 12 volt electrical starting system, safety switches, SAE #2 bell housing and flywheel for 14" single plate Spicer clutch, 12 CFM compressor, and 12 volt heavy duty battery with connections. Develops 225 hp @ 2,200 rpm.

**Transmission:** Eaton six-speed mechanical transmission with 14" single-plate clutch and cable shift.

**Spudding Beam:** Two-position with 36" stroke. Positive jaw clutch drive through crankshaft. Equipped with friction-type band brake to hold beams in up or down position.

**Hydraulic System:** Rated at 37 gpm @ 2,000 psi. Includes transmission PTO unit, gear type hydraulic pump, return line filter, 100 gallon reservoir, and 2,200 psi relief valve.

Supplies power for leveling jacks, winch mast hoist, power tongs, work platforms.

**Controls:** All unit and engine controls grouped at operator's position at mast end of rig. Operator's platform consists of two 16" X 36" sections hinged to fold while traveling.

**Guards:** Protective guards over all drive chains, drive shafts, etc. Oil-bath type on engine drive chain. Jaw clutches on clutch shaft to disengage drum chains when not in use.

**Units Available:** (1) 2009 International / Dickirson SR-80 RIG #7

