

DRILLING RIG INVENTORY

Rig Number: 545
Make & Model: Cardwell KB700
Year Manufactured: 1980 Type: Mobil 6 Axle Drilling Rig
Maximum Depth Rating with 4-1/2" 16.6 ppf Drill pipe: 9,000
Rotary Drive: Type and Size, Speed Range (rpm): SJ Petro 205 20-1/2"
Approximate number of loads to move rig: 17 loads.

Draw works:
Main Drum:
Hydromatic Brake: V-80 Cable Size: 1 1/8 Number of Clutches: 2
Make & Model: Cardwell KB700
Sand Drum: Yes Cable Size: 9/16" Cable Length: 8,000'
Engines: Make & Model: 16V71T Detroit Diesel (one)

Derrick:
Manufacturer: Cardwell International Height: 112' Weight Capacity: 300,000
Maximum Number of Lines: 8 Last Inspection Date: Current

Pipe Spinners:
Manufacturer: Hawk 950 Hydraulic Pipe Spinners Model: 950H

Substructure:
Height and Capacity: 12' 8"
Height above base of substructure to underside of rotary beams: 9' 9"
Windbreak on substructure: X Yes No

Traveling Blocks:
Make & Model: Ideco UTB 160 Weight Capacity: 160 Ton Number of Lines: 8

Elevators: Make & Model: WTM 3 1/2 or 4 1/2 - 150T

Catwalk: Length & Height: 45' x 42"

Pipe Racks: Length & Height: 27" X 13' 10" 2 racks 4 racks 28' 8" X 36" high

Drill Pipe: Size, Amounts, Connections, Grade: 4 1/2" XH Grade E or 3 1/2" IF
Last inspection date & footage since last inspected: Current

Drill Collars: (Minimum quantity required for running manufactures maximum weight on bit for each hole size)
Size (O.D. x I.D.): 6 1/2" X 2 1/4" (4 1/2" XH Connection) or 4 3/4" x 2" Number: 20 EACH SIZE
Last inspection date & footage since last inspected: Current

Pumps: Make, Model, Input HP: #1 G.D PZ8 8" Stroke / #2 GD PZ8 8" Stroke
Engine Make & Model: 3508 CAT 3508 CAT
Liner Size and Stroke Length: #1 6" 8" Stroke / #2 6" 8" Stroke
Max. Continuous Operating Pressure: #1 1800 psi / #2 1800 psi
Pump Speed (spm): #1 120- Stroke / #2 120- Stroke

Steel Mud Pit:
Dimensions: 5' TALL X 10' WIDE X 40' LONG Capacity: 400 BBLS Number of Compartments: 6
Shale Shaker Make & Model: Derrick Corp. Model 500
Charge Pump Make & Model: Mission 4X5

BOP's: Make & Model: Shaffer Double Hydraulic Size: 11"
Pressure Rating: 3000 Date of Last Inspection: Current

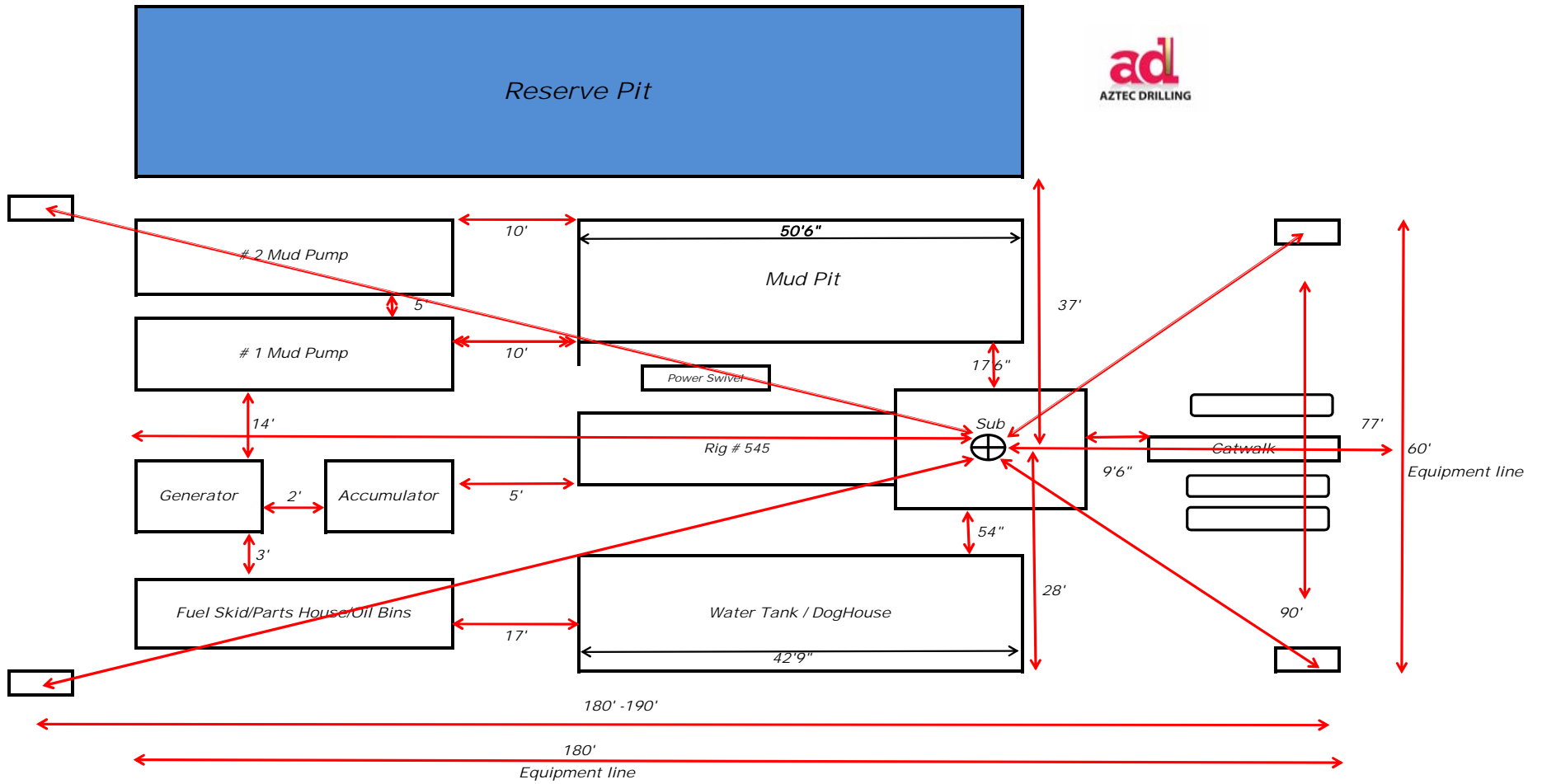
Rotating Head: Make & Model: Williams Rotating
Estimated cost for 2 3/8" stripping rubber: \$1350.00

Accumulator:
Make & Model: Koomey Type 80 220-118TLB
Capacity of Hydraulic Fluid: 250 Gallon
Number of Stations: 5 Number of Pressure Bottles: 10
Hydraulic Pressure Source: 3000 psi CAT 650 Triplex
Electric Motor: Abex Denison 20 HP
Gas/Diesel Engine: N/A
Air/Hydraulic Pump: Alemite 88550
Date of Last Inspection: Current

Choke Manifold:
Valves:
Make & Model: A.O.P. 110579066
Pressure Rating & Size: 3000 3 inch
Date of Last Inspection: 12/01/08
Chokes:
Make & Model: Steel, ATO Type: Adjustable
Pressure Rating & Size: 3000 2 Inch
Date of Last Inspection: Current

Light Plant:
Voltage, Amperage, Watts: 60 240/480 KB rating (300 kw)
Engine Make & Model: Series 60 Detroit Diesel

Drilling Recorder:
Make & Model: Pason EDR (electronic drilling recorder)
Chart Type: 12 Hour X 24 Hour



Rig 545 Foot Print