

# KS DISCOVERER 6

## GENERAL

RIG NAME : KS Discoverer 6  
RIG TYPE : LCI-1000C  
YEAR BUILT : 2011  
RIG POWER RATING : 1,000 hp  
DRILLING DEPTH : 10,000 ft w/ 5" DP  
RIG MOVE LOADS : 30 loads  
CAMP MOVE LOADS : 30 loads

## MAST

MAKE / TYPE : Loadcraft / LCI-118 x 365 twin box  
CLEAR HEIGHT : 120 ft  
MAST BASE : Truck mounted  
STATIC HOOK LOAD : 180 Tons lbs with 10 lines  
RACKING CAPACITY : 107 stand

## SUBSTRUCTURE

MAKE / TYPE : Loadcraft / LCI-1000  
RIG FLOOR DIMENSIONS : 23 ft x 20 ft  
HEIGHT : 19 ft - drill floor  
: 15.5 ft - rotary beam to ground  
ROTARY LOAD : 200 tons  
SETBACK LOAD : 125 tons

## DRAWWORKS

MAKE / MODEL : Loadcraft / LCI-1000-C2  
RATED INPUT POWER : 1,000 hp  
DRILL LINE DIAMETER : 1-1/8" 3,000 ft IWRC API 9A  
AUXILIARY BRAKE : Parmac 202 3,000 hp @ 1,550 rpm

## TOP DRIVE

MAKE / MODEL : Tesco 250HX1700  
RATED LOAD CAPACITY : 250 tons  
TORQUE : 24,000 ft-lbs @ 100 rpm  
MAX RPM : 0 – 200 rpm  
INPUT POWER : 700 hp

## ROTARY TABLE

MAKE / MODEL : American Block / RK 27.5  
RATED LOAD CAPACITY : 500 tons  
TABLE OPENING : 27-1/2"  
DRIVE TYPE : Mechanical  
TORQUE : 17,300 ft-lbs  
RPM : 400 rpm

## CAMP

CAPACITY : 100 pax



## MINI CAMP

CAPACITY : 12 pax

## POWER SUPPLY SYSTEM

ENGINES MAKE / MODEL : 2x CAT C18  
ENGINES POWER : 2x 837 hp / 624 kW @ 1,800 rpm  
POWER GENERATORS : 2x CAT SR4B  
ELECTRICAL POWER : 2x 681 kVA / 545 kW  
RIG POWER VOLTAGE : 480 V 60 Hz

## MUD SYSTEM

MUD PUMPS MAKE/MODEL : 2x Gardner Denver PZ9  
MAX RATED INPUT : 1,000 hp  
STANDPIPE ASSEMBLY : 1x 4" 5,000 psi WP  
SHALE SHAKERS : Triple Brightway BWZS103  
DESANDER : MI Swaco 12" x 2  
DESILTER : MI Swaco 6T4 4" x 12  
MUD DEGASSER : MI Swaco DEG-M-237

## WELL CONTROL EQUIPMENT

DIVERTER / BOP SPHERICAL : 1x T3 Energy type 7082 13-5/8" 5k psi  
: 1x Hydril, MSP2000, 21-1/4" 2k psi  
BOP RAMS : 1x T3 Energy type 6012 13-5/8" 5k psi  
double  
CHOKE MANIFOLD : Flocon 3-1/8" 5,000 psi  
ACCUMULATOR UNIT : R&T Control 3,000 psi

## KS DRILLING

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