

KS DISCOVERER 7

GENERAL

RIG NAME : KS Discoverer 7
RIG TYPE : LCI-1000C
YEAR BUILT : 2011 (Refurbished in 2017)
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 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 : Warrior Model 250H14HR
RATED LOAD CAPACITY : 250 tons
TORQUE : 25,000 ft-lbs @ 90 rpm
MAX RPM : 0 – 200 rpm
INPUT POWER : 400 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 : 3x Gardner Denver PZ9
MAX RATED INPUT : 1,000 hp
STANDPIPE ASSEMBLY : 1x 4" 5,000 psi WP
SHALE SHAKERS : Triple Brightway BWZS103
DESANDER : Brightway BWZS103 c/w 12" x 2"
: Desander and 4" x 12 Desilter
MUD DEGASSER : MI Swaco DEG-M-237

WELL CONTROL EQUIPMENT

DIVERTER / BOP SPHERICAL : 1x T3 Energy type 7082 13-5/8" 5k psi
: 1x T3 Energy type 7012 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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