

KS DISCOVERER 3

GENERAL

RIG NAME : KS DISCOVERER 3
RIG TYPE : Sling-shot type
YEAR BUILT/UPGRADED : Fully overhauled in 2007
RIG POWER RATING : 1,500 hp
DRILLING DEPTH : 4,500 m with 5" DP
RIG MOVE LOADS : 100 truck loads
CAMP MOVE LOADS : 31 truck loads

MAST

MAKE / TYPE : Continental Emsco CEH 142
CLEAR HEIGHT : 142 ft
MAST BASE : 54.45 ft x 35.2 ft
STATIC HOOK LOAD : 540 tons
RACKING CAPACITY : 4,500 m of 5" DP

SUBSTRUCTURE

MAKE / TYPE : Continental Emsco
RIG FLOOR DIMENSIONS : 32.8 ft x 34.4 ft
HEIGHT : 29.52 ft - drill floor
: 23.9 ft - rotary beam to ground
ROTARY LOAD : 500 tons
SETBACK LOAD : 318 tons

DRAWWORKS

MAKE / MODEL : National 110 UE
RATED INPUT POWER : 1,500 hp
DRILL LINE DIAMETER : 1-3/8"
AUXILIARY BRAKE : Elmagco 6032 Eddy Current

TOP DRIVE

MAKE / MODEL : Varco TDS 11-SA, 800 hp
RATED LOAD CAPACITY : 500 tons
TORQUE : 37,500 ft-lbs

ROTARY TABLE

MAKE / MODEL : National C-275
RATED LOAD CAPACITY : 500 tons
TABLE OPENING : 27-1/2"
DRIVE TYPE : Electric motor, 800 hp

CAMP

CAPACITY : 90 pax



POWER SUPPLY SYSTEM

ENGINES MAKE / MODEL : 4x CAT D-398, 1x CAT 3512
ENGINES POWER : 4x 1,500 hp
POWER GENERATORS : 4x KATO
ELECTRICAL POWER : 4x 1,000 kVA, 1x 1,750 kVA
EMERGENCY POWER : CAT D398 1500hp 1,750 kVA
RIG POWER VOLTAGE : 600V, 480V, 120V 60Hz
POWER CONTROL : SCR IPEC I-Drive M1250/1500 4-Gen, 5-SCR

MUD SYSTEM

MUD PUMPS MAKE/MODEL : 2x Continental Emsco FB-1300
MAX RATED INPUT : 1,300 hp
STANDPIPE ASSEMBLY : 2x 4-1/2" 5,000 psi WP
SHALE SHAKERS : 2x King Kobra Plus
DESANDER : Tri Flo 3x 10" cones
MUD CLEANER : Tri Flo Double Lief 250, 3x 12" cones
MUD CENTRIFUGES : 1X CD-500(MI)
MUD DEGASSER : Tri Flo 100 hp 1,775 rpm
MUD GAS SEPARATOR : 36" OD body, 8" OD line

WELL CONTROL EQUIPMENT

DIVERTER : MSP Hydril-D 20" 2k psi
BOP SPHERICAL : Hydril MSP 21-1/4" 2k psi
Hydril GK 13-5/8" 5k psi
BOP RAMS : 1x Cameron Type-U 13-5/8" 10k psi single
1x Cameron Type-U 13-5/8" 10k psi double
CHOKE MANIFOLD : 3-1/16" 10k psi
KILL MANIFOLD : 2-1/6" 10k psi

KS DRILLING

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