205 RIG SPECIFICATION



MD COWAN - SUPER SINGLE® MD525 (M)

MD COWAN SPECIFICATIONS

	WID COWAN SPECIFICATIONS
DERRICK AND SUBSTRUCTURE	
DERRICK/MAST	YES – API 4G Monogrammed
Make/type:	INTERNATIONAL DERRICK SERVICE (IDS)
With no set back:	
Height:	72'
Dimensions of base:	8'1" WIDE X 6' DEEP
Dimensions of crown:	8'1" X 6' DEEP
Gross nominal capacity:	825,000 GNC
Static hook load:	500,000 SHL
Minimum number of lines:	8
Ladders with safety cages and rests:	YES
Platform for crown sheave access:	YES
Light system explosion proof:	YES
MAKE-UP/BREAK-OUT TOOL	1-BLOHM & VOSS Make-up/Break-out wrench WITH UP TO 65,000 FT-LBS. M/U torque; 85,000 FT-LBS B/O torque
SUBSTRUCTURE	YES
Make/type:	IDS
Slip Bowl height (above Ground level):	14' 8"
Length:	48'
Width:	12'
Slip Bowl beam capacity (total):	250 TON
Clear height below Slip Bowl beams (to Ground level):	10'6"
Hydraulic Pipe Arm	
	1- IDS HYDRAULIC PIPE ARM FOR HANDLING 3-1/2" TO 5" RANGE II or III DRILL PIPE, 6-1/4" TO 8-1/4" DRILL COLLARS & RANGE III CASING W/HYDRAULIC ARM FOR HANDLING PIPE FROM PIPE RACK TO GRABBERS

SUPERSINGLE® MD323	WID COWAIN SPECIFICATIONS
DRAWWORKS AND ASSOCIATED EQUIPMENT	
Drawworks	
Drawworks	
Make/type:	RIG TECH RT-400B
Engine make/type:	CAT C-15 W/ALISON 6-SPD. TRAN.
Rated input power:	540 HP
Drum size (diameter x length):	21" X 25-1/8"
Drum type (grooved/smooth):	GROOVED (Lebus)
For drill line size:	1 1/4"
Brake type (disk/drum):	DRUM
Brake size:	42" x 10"
Maximum Hook load - 8 lines:	435,000 LBS
Crown block safety devices:	YES
Make/type: Forum device	RT-400 CROWN PROTECTOR
Auxiliary brake:	EATON WCB 424
Independent fresh water cooling system for draw works and air brake:	EATON-AIRFLEX MODEL # RT- BWCS-101 400,000# BRAKING
14.	
Wire line Unit	YES
Make/model:	OIL WORKS OWI-1000
Wire length (nominal):	12,000'
Wire size:	.092 IN
Max working load:	835 LBS
Safe working load:	800 LBS
Depth counter:	YES
Pull Indicator	NO
DERRICK HOISTING EQUIPMENT	
Crown Block	
Make/type:	IDS
Rated Capacity:	500,000 SHL
No. of sheaves:	87 vertical/1horizontal
Sheave diameter:	<u>6-36"</u> 1-30" 1-24"
Sheave grooved for line size:	1 1/4"
Traveling Block	
	COWAN INTEGRATED 4-SHEAVE
Make/type:	SPLIT BLOCK
Rated Capacity:	250 TON
No. of sheaves:	4

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SUPERSINGLE® MD525		MD COWAN SPECIFICATIONS
sheave diameter:		36"
Sheave grooved for line size:		1 1/4"
Drilling Line		YES
Diameter:		1-1/4"
Construction:		BETHLEHEM STEEL AMERICAN
		RRL/IWRC/EIPS DOMESTIC or
Langeth (aviational)	-	equivalent
Length (original):	++	2,500'
Drilling line reel:	\vdash	YES
Drum cover:	\vdash	NO Optional
Drilling line drum power driven: Roller guides:		NO
Rollel guides.		NO
Dead Line Anchor	++	
121	++	LIEDOULEC LIA 440T
Make/type:	++	HERCULES HA-119T
Weight sensor:	++	60,000#
CLUD DOME OVOTEM NON DOTATING	\vdash	
SLIP BOWL SYSTEM - NON-ROTATING	\vdash	
Make/type:		N/A
Gate/Bowl Opening:		N/A
Hook Load:		N/A
Operating Air Pressure:	Н	N/A
Operating Hydraulic Pressure:		N/A
Tubular Goods Range		N/A
Top Drive/Power Swivel		
Make:		VENTURETECH
Model:		XK-250
Type (electric/hydraulic):		HYDRAULIC - SUNSTRAND HYDRAULIC PUMP POWERED BY
		CATERPILLAR C-18 DIESEL ENGINE
		& HYDRAULIC SYSTEM
Rated capacity:		250T
Working pressure:		5,000 PSI
Maximum continuous torque @ 120 rpm:		22,000 FT-LBS
(Power curve available upon request)		
Maximum continuous rotary speed:		160 RPM
Cooling system type:		N/A
Upper inside BOP:		2 3/4" INSIDE
Floating Cushion sub (Upper Torque Sub):		4 1/2" I.F.
100 RPM Dynamic load rating:		140 Tons
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SUPERSINGLE® MD525	MD COWAN SPECIFICATIONS
Working pressure:	5,000 PSI
Output power:	24,000 ft-lbs
POWER SUPPLY SYSTEMS	
RIG POWER PLANT	GENERATOR HOUSE: 10' WIDE BY 51' LONG W/ SQUARE D MCC
Diesel Engine/Generator Sets	
Quantity:	2
Make/type:	CATERPILLAR / C-15
Maximum continuous power:	540 HP
At rotation speed of:	CONSTANT 1200RPM
Equipped with spark arrestors:	YES
Mufflers installed:	YES
4	
AC - Generator	
4-	
Quantity:	2
Make/type:	CATERPILLAR/455 KW
At rotation speed of:	CONSTANT 1200RPM
Output volts:	60 Hz 480 VOLTS
Air Compressors - Medium Pressure (rig air):	
Quantity:	CURTIS – 1 each
Make:	
Model:	RS30F
Rated Capacity:	102 CFM
Working pressure:	175 PSI
Prime mover (electric/diesel):	ELECTRIC
Continuous power:	30 HP
AIR RECEIVERS	OILWORKS – 1 each
Volume (total):	600 ft2
Maximum Pressure	175 PSI
Location:	Lube Skid
	1 1

MDC FABRICATED 265 BBL.

EXHIBIT A Page 4 of 11

Standard Cylindrical Tank/ Optional Rectangular Cylindrical 8' diameter

FUEL TANK

SUPERSINGLE® MD525	MD COWAN SPECIFICATIONS
WELL CONTROL	
LOW PRESSURE BLOWOUT PREVENTERS	
All appropriate components H ₂ S rated	No
RAM TYPE PREVENTERS	YES
Quantity:	1
Make/model:	Horn or Other Type LWS
Type (single / double / triple):	DOUBLE
Size:	11 IN
Working pressure:	5,000 PSI
Ram locks:	YES
Type (manual/hydraulic):	MANUAL
Side outlets:	4
Size:	4"
WP:	5,000 PSI
Bottom connection:	11" x 5M
Top connection:	11" x 5M
AVAILABLE RAMS (INSTALLED)	+ + -
Quantity / type / size:	1/BLIND
Quantity / type / size:	1/PIPE/4 1/2"
audinity , type , dize.	1/1 11 E/4 1/2
ANNULAR PREVENTER	Yes
Quantity:	1
Make/type:	Horn or Other HA
Size:	11" x 5M
Working pressure:	5,000 psi
Bottom connection:	5,000 psi
Top connection:	5,000 psi
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
KILL LINE VALVES	YES
Quantity:	1
Make/type:	
Size:	2-1/16 IN
Working pressure:	5,000 PSI
Hydraulic / manual / non-return:	MANUAL
Quantity:	1
Make/type:	
Size:	2-1/16 IN
Working pressure:	5,000 PSI
Hydraulic / manual / non-return:	NON-RETURN
Try at a discovery from Foreign	TOTAL TOTAL
	1 1

OOT ENGINGEES MIDSES	IND COVAIN OF EOIL TOATIONS
BOP CONTROL SYSTEM	
Accumulator Unit	
Make/model:	Burnsco "Bison"
Location:	LOWER DOGHOUSE SKID
Fluid reservoir capacity:	160 US GALLONS
Total accumulator capacity (with out prior recharge):	160 US GALLONS
System working pressure:	3,000 PSI
Total useful accumulator volume equals all preventer opening and closing volumes:	160/YES
Plus percent additional volume:	
Accumulator Hydraulic Pumps	
Electric Driven:	
Quantity:	1
Make/model:	TRIPLEX
Each driven by motor of power:	20HP
At operating pressure:	3,000 PSI
na operating procedure.	0,000 1 01
Air Driven:	
Quantity:	2
Make/model:	
Flow rate of each pump:	
At operating pressure:	3,000 PSI
Primary Control Panel	
/	
Control panel make/model:	Townsend/Burnsco
Location:	DOG HOUSE SKID
Panel controls for the following functions:	
Annular BOP:	YES
Ram BOP's:	YES
Choke line valve:	YES
System pressure regulator:	YES
Pressure regulator for annular:	YES
Flow meter:	
Quantity of pressure gauges:	3
CHOKE MANIFOLD	
Nominal size:	2" & 4"
Minimum ID:	
Maximum WP:	5,000 PSI

EXHIBIT A

SUPERSINGLE® MD525	MD COWAN SPECIFICATIONS
Quantity of fixed chokes:	2
Make/model:	MCFEE MN-60
Size (ID):	3/4" ORIFICE 1 1/2" OD
Quantity of adjustable chokes:	2
Make/model:	AOP INDUSTRIES
Size (ID):	2-1/16 IN
Power choke remote control panel:	NO
Make/model:	N/A
Size (ID):	N/A
CHOKE LINE (BOP to MANIFOLD)	YES
Quantity:	1
Make/type:	Midwest Hose
ID:	3"
Working pressure:	5,000 PSI
H2S Service:	NO
H)	
FLEXIBLE BOP CONTROL HOSES	YES
Quantity:	10
Make/type:	SYNFLEX TYPE "B"
ID:	1"
Working pressure:	5,000 PSI
Fire resistant:	YES
Traveling Stand for BOP's	YES
7	
MUD SYSTEM	MGRIGS
MUD PUMPS	YES
Quantity:	2
Make:	WEATHERFORD OR BOMCO
Model:	MP10
Horsepower:	1,000
Type (triplex / duplex):	TRIPLEX
Mud pumps drive motors / engines:	CATERPILLAR 3508 ©
Motor type:	Variable Speed - Diesel
Continuous power rating per engine:	1200 RPM FOR 3508
Fluid end type:	WEATHERFORD (Interchangeable w/Emsco F-1000)
riala dila typo.	W/ E111300 1 - 1000)

5,000 PSI 5,000 PSI

CUSTOMER TO FURNISH YES

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Maximum working pressure:

Test pressure:

Pump stroke counter type:

Supercharging pump type:

SUPERSINGLE® MD525		MD COWAN SPECIFICATIONS
Driven by motor of power:		PINION SHAFT
Discharge/suction line ID:		3 1/2" X ID
Mud pump pulsation dampener type:		AS SUPPLIED BY WEATHERFORD
Reset relief valve:		3"
Torque Converters		
Quantity:		2
Make/type:		U.S. Oilworks / C300-80
TRANSFER PUMPS / MIXING PUMPS		YES
Mixing Pumps		
Quantity:		2
Make/model:		5" X 6" W/50 H.P. ELECTRIC MOTORS-MISSION MAGNUM
Output capacity:		11" IMPELLER 80 TO 110 GALLONS PER MINUTE
Drive motor type:		ELECTRIC 50HP
Power output:		N/A
H9		
CHARGING PUMPS		YES
Quantity:		2
Make/model:		5" X 6" W/50 H.P. ELECTRIC MOTORS- MISSION MAGNUM
Output capacity:		11" IMPELLER-80 TO 110 GALLONS PER MINUTE
STANDPIPE MANIFOLD		YES
Quantity of standpipes:		1 (MUD)
Standpipe/ID:		4"/ 3" ID
Kill line outlet:		YES
fill-up like outlet:		YES
Bleed-off line outlet:		YES
Outlet for MWD sensor		YES
		\
ROTARY HOSES	-	YES
Quantity		2
Make/type:	-	Midwest Hose
ID x Length:		4" ID X 44' L.
Working pressure:	-	5,000
Snubbing lines:		YES
Quantity:		2
Make/type:		Midwest Hose
ID x Length:		4" x LENGTH DEPENDS ON PUMP RIG UP

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MD COWAN SPECIFICATIONS

Working pressure:	5,000
Snubbing lines:	YES
LOW PRESSURE MUD SYSTEMS	2-12'W X 5'H X 40' L W/10' PORCH ON END FOR PUMPS V-CRIMPED; DESIGNED TO ELIMINATE SURFACE TRIP HAZARDS ON WALKING SURFACE
MUD TANKS (CURVED BOTTOMS)	YES
Ougatitus	2
Quantity:	~700 bbls
Total capacity (usable): Usable capacity No. 1:	~700 bbis ~350
Type (active / reserve):	ACTIVE
Height:	5
Mixer:	YES
High Pressure Mud guns:	YES
Usable capacity No. 2:	~350
Type (active / reserve):	ACTIVE
Height:	5
Mixer:	YES
High Pressure Mud guns:	YES
SHALE SHAKER	
Quantity:	
Make/model:	VORTEX FLUID SYSTEM
Type:	ORBITAL 3000 DUAL SHAKER
Nominal flow rate (total):	1000
MUD AGITATORS	YES
Quantity:	3
Make/model:	Bario Max 2000 or equivalent
Driven by motor of power:	10 HP
Located in tanks:	YES
Impeller Blades, Type	YES
MUD HOPPER	YES
Quantity:	1
Make/model:	Oilworks mixing hopper
Feed pump make/model:	5" X 6" MISSION MAGNUM
Type/size:	11" IMPELLER

EXHIBIT A

MD COWAN SPECIFICATIONS

Type/Size: Drive Motor HP: BRAKE COOLING/LUBESTER SKID Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit Brake standard stand lubricated Skid Brake standard stand lubricated Skid Brake standard standard standard lubricated Skid Brake standard standard standard standard lubricated Skid Brake standard st	SUPERSINGLE® MD525		MD COWAN SPECIFICATIONS
Is feed pump dedicated to mud hopper(s): DESANDER Cone No. & size DESILTER DESILTE	Capacity:		450
DESANDER Cone No. & size DESILTER DESILTER MATER TANK Rectangular V-crimp 8' Wide Centrifugal Pumps Cone Motor HP: Drive Motor HP: Drive Motor HP: Drive Motor HP: Drive Motor Indication bulk handling equipment. Brake cooling unit Brake cooling unit Brake cooling unit Drive Motor HP: Drive HP: Drive	Drive motor hp:		50
Cone No. & size DESILTER DESILTER MATER TANK Rectangular V-crimp 8' Wide Centrifugal Pumps Cone No. & size Contrifugal Pumps Contrigual Pumps Cone No. & size Contrigual Pumps Contrigual Pumps Cone No. & size Contrigual Pumps Contrigual Pumps Cone No. & size Ado bl. Ado bbl. Contrigual Pumps Cone No. & size Contrigual Pumps Contrigual Pumps Cone No. & size Cone No. Ado bl. Cone No. & size C	Is feed pump dedicated to mud hopper(s):		YES
DESILTER WATER TANK Rectangular V-crimp 8' Wide Centrifugal Pumps Type/Size: Drive Motor HP: Drive Motor HP: Drive Motor Ingliant Containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Bulk Handling Lubester Tote Make: Motel: Hydra Add total) 50 ft; ½" hose Make: Model: Pump for Coolant Make: Moter FABRICATED MODC FABRICATED Adouble. Adouble. Adouble. Adouble. DDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent EQUIPMENT OF Equivalent ADDESSA PUMP 2" X 3" CENTRIF. Or equivalent ADDESSA PUMP 2" X 3" CENTRIF.	DESANDER		YES – US Oilworks
WATER TANK Rectangular V-crimp 8' Wide Centrifugal Pumps 2 ODESSA PUMP 2" X 3" CENTRIF. Or equivalent Drive Motor HP: Drive Motor HP: Drive Motor Jubester Skid Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit Brake cooling unit Bulk Handling Lubester Tote Make: Model: Custom Metalcraft, Inc. TranStore 515829 Hose Reel Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:	Cone No. & size		2 - 10"
Rectangular V-crimp 8' Wide Centrifugal Pumps 2 Type/Size: Drive Motor HP: Drive Motor HP: BRAKE COOLING/LUBESTER SKID Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit MDC Fabricated Skid Rig Tech RTBSS-101 5 EA BULK LUBE TOTES; 350 GAL. EA: STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Tote Make: Custom Metalcraft, Inc. Model: TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:	DESILTER		10 - 4" cone
Centrifugal Pumps Type/Size: Drive Motor HP: Drive Hotor Hoto	WATER TANK		MDC FABRICATED
Type/Size: Drive Motor HP: Drive HP MOTORS MDC Fabricated Skid Rig Tech RTBS-101 And MDC Fabricated Skid Rig Tech RTBS-101 And MDC Fabricated Skid NDC Helister HTSS-101 Drive HTSS-	Rectangular V-crimp 8' Wide	$\vdash \vdash$	400 bbl.
Type/Size: Drive Motor HP: BRAKE COOLING/LUBESTER SKID Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Coolant And Waste Cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit and MDC Fabricated Skid Rig Tech RTBSS-101 SEA BULK LUBE TOTES; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Tote Make: Custom Metalcraft, Inc. TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make:	Centrifugal Pumps		2
Drive Motor HP: BRAKE COOLING/LUBESTER SKID Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit Bulk Handling Lubester Tote Make: Model: Custom Metalcraft, Inc. Model: Hose Reel Make: Custom Metalcraft, Inc. Model: Pump for Oil Totes Make: Model: Pump for Coolant Model: Do HP MOTORS 20 HP MOTORS ADD HP MOTORS 20 HP MOTORS 20 HP MOTORS ADD HE MAD HE MOTORS ADD HE MOTORS MDC Fabricated Skid Rig Tech RTBSS-101 S EA BULK LUBE TOTES; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL TranStore 515829 (4 total) 50 ft; ½" hose Lincoln 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make:			ODESSA PUMP 2" X 3" CENTRIF. Or equivalent
Additional skid containing a brake cooling unit and lubrication bulk handling equipment. Brake cooling unit Brake cooling unit and Rig Tech RTBSS-101 Stan Bulk Lube tores; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE COOLANT, AND WASTE OIL HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Transtore 515829 Hose Reel Brake: Brake: Brake cooling unit and MDC Fabricated Skid Rig Tech RTBSS-101 Stan Bulk Lube tores; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE COOLANT, AND WASTE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Transtore 515829 Hose Reel Brake:			•
Iubrication bulk handling equipment. MDC Fabricated Skid Brake cooling unit Rig Tech RTBSS-101 5 EA BULK LUBE TOTES; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Bulk Handling Lubester Custom Metalcraft, Inc. Tote Custom Metalcraft, Inc. Model: TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make: Make:	BRAKE COOLING/LUBESTER SKID		
Brake cooling unit Rig Tech RTBSS-101 5 EA BULK LUBE TOTES; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Tote Make: Custom Metalcraft, Inc. Model: TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make:			MDC Fabricated Skid
5 EA BULK LUBE TOTES; 350 GAL. EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE COOLANT, AND WASTE OIL Tote Make: Custom Metalcraft, Inc. TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make:			Rig Tech RTBSS-101
Make: Model: TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Lincoln Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:	Bulk Handling Lubester		EA; STAINLESS STEEL TANKS INCLUDED FOR ENGINE OIL, HYDRAULIC OIL, GEAR OIL, ENGINE
Model: TranStore 515829 Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make: Make:	Tote		
Hose Reel (4 total) 50 ft; ½" hose Make: Lincoln Model: 94300 series "A" Pump for Oil Totes Make: Model: Pump for Coolant Make: Make:	Make:		Custom Metalcraft, Inc.
Make: Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:	Model:		TranStore 515829
Make: Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:	Hose Reel		(4 total) 50 ft: 1/2" hose
Model: Pump for Oil Totes Make: Model: Pump for Coolant Make:			
Pump for Oil Totes Make: Model: Pump for Coolant Make:			
Make: Model: Pump for Coolant Make:			
Make: Model: Pump for Coolant Make:	Pump for Oil Totes		
Model: Pump for Coolant Make:	•		
Make:			
Make:	Pump for Coolant		

OPTIONAL EQUIPMENT – INCLUDED		
AUXILIARY TRAILERS		
RIG MANAGER/TOOLPUSHER OFFICE/LIVING QUARTERS		13' X 48' Skid Mounted
TELEHANDLER FORKLIFT		N/A
DRILL PIPE		N/A
DRILL COLLARS		N/A
PIPE RACKS		4 SETS

