

Make	:	
Model	:	
Rated capacity	:	
Size (max/min)	:	N/A
Quantity	:	
Make	:	
Model	:	
Rated capacity	:	
<b>D.2.4</b>		<b>Drill Pipe Hand Slips</b>
Size	:	5
Quantity	:	2
Make/type	:	Harrisburg, SDXL
Size	:	N/A
Quantity	:	
Make/type	:	
<b>D.2.5</b>		<b>Semi-Automatic DP Slips</b>
Size	:	6"
Make	:	VARCO PS16
<b>D.2.6</b>		<b>Drill Collar Slips</b>
Size	:	5 1/2 X 7
Quantity	:	1
Make/type	:	Varco
Size	:	6 3/4 x 8 1/4
Quantity	:	1
Make/type	:	Varco
Size	:	N/A
Quantity	:	
Make/type	:	
Size	:	N/A
Quantity	:	
Make/type	:	
<b>D.2.7</b>		<b>DRR Collar Safety Clamps</b>
Quantity	:	3
Range	:	6 1/2 X 8 3/4
<b>D.2.8</b>		<b>Tubing Slips</b>
Size	:	N/A
Quantity	:	
Make/type	:	
Size	:	N/A
Quantity	:	
Make/type	:	
<b>D.2.9</b>		<b>Tubing Spiders</b>
Slip size (max/min)	:	N/A
Quantity	:	
Make	:	
Adapter plate	:	
<b>D.2.9.1</b>		<b>Tubing Drifts</b>
Quantity	:	N/A
Stiles	:	
<b>D.2.10</b>		<b>Drill Collar Lining Subs</b>
Quantity	:	3
For DC OD	:	5
Connection type	:	6 5/8 REG
Quantity	:	3
For DC OD	:	6 1/2"
Connection type	:	4 1/2" XH
Quantity	:	N/A
For DC OD	:	
Connection type	:	
Quantity	:	N/A
For DC OD	:	
Connection type	:	
<b>D.2.11</b>		<b>OO Lining Plugs</b>
Quantity	:	N/A
For OH size	:	
<b>D.2.12</b>		<b>Bit Breakers</b>
Quantity	:	N/A
For OH size	:	

	OD body		
	Min. ID		
	Stroke		
	Connection type		
	Repair kit		
	Quantity		N/A
	Make/type		
	OD body		
	Min. ID		
	Stroke		
	Connection type		
	Repair kit		
D.3.3	Jar intensifier		N/A
D.3.4	Surface Jar		N/A
D.3.5	Flushing Bumper Subs		N/A
	Quantity		N/A
	Make/type		
	OD body		
	Min. ID		
	Stroke		
	Connection type		
	Quantity		N/A
	Make/type		
	OD body		
	Min. ID		
	Stroke		
	Connection type		
D.3.6	Safety Joints		N/A
	Quantity		N/A
	Make/type		
	OD body		
	Min. ID		
	Connection type		
	Quantity		N/A
	Make/type		
	OD body		
	Min. ID		
	Connection type		
D.3.7	Junk Baskets (Reverse Circulation)		N/A
	Quantity		N/A
	Make/type		
	For hole size		
	OD body		
	Connection type		
	Inside magnet available		
	MH shoes type (A, B, C)		
	Quantity		N/A
	Make/type		
	For hole size		
	OD body		
	Connection type		
	Inside magnet available		
	MH shoes type (A, B, C)		
	Quantity		N/A
	Make/type		
	For hole size		
	OD body		
	Connection type		
	Inside magnet available		
	MH shoes type (A, B, C)		
D.3.8	Junk Subs		N/A
	Quantity		N/A
	Make/type		
	For hole size		
	OD body		
	Connection type		
	Quantity		N/A
	Make/type		
	For hole size		
	OD body		
	Connection type		
	Quantity		N/A
	Make/type		

For hole size  
 OD body  
 Connection type

**D.3.9 Flat Bottom Junk Mill**

Quantity  
 Make/type  
 OD flat mill  
 Connection type

N/A

Quantity  
 Make/type  
 OD flat mill  
 Connection type

N/A

**D.3.10 Magnet Fishing Tools**

Quantity  
 Make  
 Size

N/A

**D.3.10.1 Mud Ditch Magnets**

Quantity  
 Size

N/A

**D.3.11 Taper Taps**

Quantity  
 Make  
 Tap OD (max/min)  
 OD body  
 Length overall  
 Connection type

N/A

**D.3.12 Die Collars**

N/A

**E. Well Control Equipment**

**E.1 Diverter**

Fixed  
 Make/type  
 Maximum bore

N/A

Working pressure

Annular:

Make/type

Maximum bore

Working pressure:

Bottom connection:

Size

Working pressure

Gasket type

Number of diverter outlets

Outlet OD (nominal)

Shaffer  
 21 1/4 2M  
 2000  
 21 1/4" FLANGED  
 21 1/4  
 2000  
 R73  
 2  
 12

**E.1.1 Diverter Flow Lines**

Quantity  
 Nominal size of flow lines (ID x OD)  
 Running from diverter to

2  
 12  
 as needed

Valve make/type

Quantity

Size

Working pressure

Valve operator (air/hydraulic)

Denco Series 800  
 2  
 12  
 1440  
 Hydraulic Ball Valve

Valve make/type

Quantity

Size

Working pressure

Valve operator (air/hydraulic)

N/A

System pressure rating

Flex hoses in flow line

1440  
 NO

**E.1.2 Diverter Control Panel**

Primary make/type  
 Location

KOOMEY / TYPE 80 /  
 MAIN UNIT ON RIG FLOOR

Remote make/type  
 Location

KOOMEY TYPE 80  
 STARBOARD MAIN DECK

Remote make/type  
 Location

KOOMEY TYPE 80  
 PORT SIDE MAIN DECK

**E.2 Low Pressure Blowout Preventers**

All appropriate components H2S rated		N/A
<b>E.2.1</b>	<b>Ram Type Preventers</b>	
Quantity	:	N/A
Make/model	:	
Type (single/double/triple)	:	
Size	:	
Working pressure	:	
Ram locks	:	
Type (manual/hydraulic)	:	
H2S service	:	
Side outlets	:	
Size	:	
WP	:	
Bottom connection	:	
Top connection	:	
Shear ram boosters	:	
<b>E.2.2</b>	<b>Available/Rams (installed &amp; spare)</b>	N/A
Quantity/type/size	:	
Quantity/type/size	:	
Quantity/type/size	:	
Quantity/type/size	:	
<b>E.2.3</b>	<b>BOP Ram Configuration (normal)</b>	N/A
Upper	:	
Middle	:	
Lower	:	
Connector	:	
<b>E.2.4</b>	<b>Annular Preventer</b>	N/A
Quantity	:	
Make/type	:	
Size	:	
Working pressure	:	
Bottom connection	:	
Top connection	:	
<b>E.2.5</b>	<b>Kill Line Valves</b>	N/A
Quantity	:	
Make/type	:	
Size	:	
Working pressure	:	
Gasket type	:	
Hydraulic/manual/non-return	:	
<b>E.2.6</b>	<b>Choke Line Valves</b>	N/A
Quantity	:	
Make/type	:	
Size	:	
Working pressure	:	
Gasket type	:	
Hydraulic/manual	:	
<b>E.2.7</b>	<b>Mud Spool</b>	N/A
21.25" ID flanged mud spool for insertion between ram bodies, complete with 3" ID x 2,000 psi Choke and Kill inlets and remote operated hydraulic Vvs		
<b>E.2.8</b>	<b>Diverter Spool</b>	1 EA.
21.25" ID, 2,000psi Flanged Diverter Spool complete with 2x 12" Hydraulically operated Ball Vvs, jacking lines, overboard lines and remote control panel.		

**E.3 High Pressure Blowout Preventers**

All appropriate components H2S rated		
<b>E.3.1</b>	<b>Ram Type Preventers</b>	
Quantity	:	1
Make/Model	:	Cameron Type U
Type (single/double/triple)	:	Double w/booster for blind/shear
Size	:	13 5/8"
Working pressure	:	10,000
Ram locks	:	yes
Type (manual/hydraulic)	:	manual
H2S service	:	yes
Side Outlets	:	yes
Size	:	3 1/16"
WP	:	10,000
Bottom connection	:	13 5/8" 16M FLANGED
Top connection	:	13 5/8" X 10M FLANGED
Shear ram boosters	:	no
Quantity	:	1

Make/Model	CAMERON TYPE U
Type (single/double/triple)	SINGLE
Size	13 5/8"
Working pressure	10,000
Ram locks	YES
Type (manual/hydraulic)	MANUAL
H2S service	YES
Side Outlets	YES
Size	3 1/16"
WP	10,000
Bottom connection	13 5/8" X 10M FLANGED
Top connection	13 5/8" X 10M FLANGED
Shear ram booster	NO
<b>E.3.2 Available Rams (Installed &amp; spare)</b>	
Quantity/type/size	2- 13 5/8 X 5"
Quantity/type/size	1- 13 5/8 X Blind/shear
Quantity/type/size	N/A
Quantity/type/size	
Quantity/type/size	
Quantity/type/size	
Quantity/type/size	
Quantity/type/size	
Quantity/type/size	
Quantity/type/size	
<b>E.3.3 BOP Ram Configuration (Normal)</b>	
Upper	Pipe
Upper middle	Blind/shear
Middle	N/A
Middle Lower	N/A
Lower	pipe
<b>E.3.4 Annular Preventer</b>	
Quantity	1
Make/type	13 5/8 X 5M Sheffer
Size	13 5/8
Working pressure	8,000
Bottom connection	13 5/8" X 10M FLANGED
Top connection	13 5/8" X 5M FLANGED
<b>E.3.5 ION Line Valves</b>	
Quantity	1
Make/type	Cameron
Size	3 1/16
Working pressure	10,000
Gasket type	BX154
Hydraulic/manual/non-return	Manual
Quantity	1
Make/type	Cameron
Size	3 1/16
Working pressure	10,000
Gasket type	BX154
Hydraulic/manual/non-return	Hydraulic
Quantity	N/A
Make/type	
Size	
Working pressure	
Gasket type	
Hydraulic/manual	
<b>E.3.6 Choke Line Valves</b>	
Quantity	1
Make/type	Cameron
Size	3 1/16
Working pressure	10,000
Gasket type	BX154
Hydraulic/manual	Hydraulic
Quantity	1
Make/type	Cameron
Size	3 1/16
Working pressure	10,000
Gasket type	BX154
Hydraulic/manual	Manual
<b>E.4 Other Blowout Preventers</b>	
<b>E.5 BOP Control System</b>	
<b>E.5.1 Accumulator Unit</b>	
Make/model	Kookey Type 80
Location	Rig Floor
Fluid reservoir capacity	300
Oil/water mix. rate	NONE

Glycol reservoir capacity	:	NONE
Total accumulator capacity (w/o precharge)	:	918
System working pressure	:	3000
Control manifold model	:	290-11EX
Regulator type	:	Manuel adjustable
Total useful accumulator volume	:	
equal all preventer opening and closing volumes	:	Yes
Plus percent additional volume	:	1 1/2
<b>E.5.2. Accumulator Hydraulic Pumps</b>		
<b>Electric Driven</b>		
Quantity	:	1
Make/model	:	TC90 Triplex
Each driven by motor or power	:	60
Flow rate of each pump	:	11.4
At operating pressure	:	3000
Operable off emergency generator	:	YES
<b>Air driven</b>		
Quantity	:	3
Make/model	:	Koomey U7A38
Flow rate of each pump	:	5
At operating pressure	:	1200
<b>E.5.3. Primary Control Panel</b>		
Control panel make/model	:	Koomey Type 80
Location	:	Rig Floor
Panel controls for the following functions		
All annular BOP's	:	Yes
All ram BOP's	:	Yes
Lock for ram BOP's	:	No
Diverter System	:	YES
Kill and choke line valves	:	YES
Low accumulator pressure warning	:	No
Low reservoir level warning	:	No
Low rig air pressure warning	:	No
System pressure regulator	:	Yes
Pressure regulator for annular	:	Yes
Flowmeter	:	No
Quantity of pressure gauges	:	3
Other control functions	:	No
<b>E.5.3.5 Drill Floor Control Panels</b>		
Make/model	:	Koomey UNK on Rig Floor
Ability to operate main closing unit valve directly	:	YES
System routing (direct or through panel)	:	DIRECT
Remote control of - system pressure regulator	:	NO
Remote control of - annular pressure regulator	:	YES
<b>E.5.4 Remote Control Panels</b>		
Make/model	:	Koomey Type 80
Location	:	Port Maindeck
Location	:	Stbd Maindeck
Ability to operate main closing unit valve directly	:	yes
System routing (direct or through panel)	:	Through panel
Remote control of - system pressure regulator	:	yes
Remote control of - annular pressure regulator	:	No
<b>E.6 Choke Manifold</b>		
All appropriate components H2S rated	:	Yes
<b>E.6.1 Choke Manifold</b> (For instrumentation, see H.2)		
Nominal size	:	3 1/8"
Minimum ID	:	3 1/8"
Maximum WSP	:	10,000
Quantity of fixed chokes	:	NONE
Make/model	:	NONE
Size (ID)	:	NONE
Quantity of adjustable chokes	:	2
Make/model	:	Cameron
Size (ID)	:	3 1/8"
Quantity of power chokes	:	1
Make/model	:	Swaco
Size (ID)	:	3 1/8"
Power choke remote control panel	:	YES
Make/model	:	Swaco
Location	:	Rig Floor
Glycol injection	:	No
<b>E.7 Flexible choke &amp; Kill Lines</b> (BOP to Manifold)		

Quantity	:	2
Make/type	:	Cooper Coflex
ID	:	3
Working pressure	:	10,000
H2S service	:	yes
Quantity	:	N/A
Make/type	:	
ID	:	
Working pressure	:	
H2S service	:	
	:	10
	:	Cooper Coflex
	:	1
	:	5000
	:	YMS
	:	2
	:	Cooper Coflex
	:	1 1/2
	:	5000
	:	yes
<b>E.9 BOP Testing Equipment</b>		
<b>E.9.1 Hydraulic BOP Test Pump</b>		
Make/model	:	N/A
Type	:	
Pressure rating	:	
Reservoir tank	:	
Chart recorder	:	
<b>E.9.2 BOP Test Stump</b>		
Size	:	
Size	:	
<b>E.10 BOP Handling</b>		
<b>E.10.1 BOP Hoist System</b>		
Make/type	:	IR Bebee Hercules K 251
Quantity of hoists	:	2
Number of lift points on BOP	:	2
System safe working load	:	20,000 ea, 100,000 total
<b>E.10.2 Work Platform</b>		
BOP work platform (adjustable/fixdncms)	:	Adjustable
Conductor pipe platform	:	Yes
<b>E.10.3 Conductor Pipe Tensioning System</b>		
Make/type	:	N/A
Tension capacity	:	
Number of lift points	:	
Stroke	:	
<b>F. Mud System/Bulk System</b>		
<b>F.1 High Pressure Mud System</b>		
System working pressure	:	5000
System test pressure	:	5000
<b>F.1.1 Mud Pump</b>		
Quantity	:	2
Make	:	National Oilwell
Model	:	12-P-180
Type (triplex/duplex)	:	Triplex
Stroke	:	12"
Maximum liner size	:	7 1/4"
Maximum speed	:	120
Mud pump drive motor/pump	:	2-GE752 DC Shortwound
Motor type	:	GE
Continuous power rating per motor	:	800
Fluid end type	:	Southwest Chuck Change
- Maximum working pressure	:	5000
- Test pressure	:	5000
Pump stroke counter type	:	CFI
Supercharging pump type	:	Nilsen Mag. 6x5x13
Driven by motor or power	:	78
Discharge/return line ID	:	5" - 11 3/4"
Mud pump pulsation dampener type	:	1-Cont. emeco 6922-08c & 1-Hydrii K-20
Reset relief valve	:	Reteco 3"
Working flowrate per pump at 90% of max rpm	:	504
Liner size	:	6 1/2"

Pump speed (90% of max.)	:	100
Pump pressure	:	1200
Working flowrate (97% volumetric efficiency)	:	500
<b>F.1.2 Transfer Pumps/Mixing Pumps</b>		
<b>Mixing Pump</b>		
Quantity	:	2 megman
Make/model	:	Mission-Model 250
Type/size	:	6x6x13
Output capacity	:	1200 gpm
Drive motor type	:	electric
Power output	:	70
<b>F.1.3 Booster Pump</b>		N/A
<b>F.1.4 Standpipe Manifold</b>		
Quantity of standpipes	:	2
Standpipe ID	:	5"
H-Type standpipe manifold	:	Yes
Kill line outlet	:	Yes
Fill-up line outlet	:	Yes
Bleed-off line outlet	:	Yes
Third party outlets	:	Yes
<b>F.1.5 Rotary Hoses</b>		
Quantity	:	2
Make/type	:	Copper State Rubber
ID x length	:	2" x 75'
Working pressure	:	8000
Snubbing lines	:	Yes
<b>F.1.6 Conveying Hoses</b>		
Quantity	:	2
Type	:	Copper State Rubber-Co-Flex
Length	:	20'
ID	:	2"
Working pressure	:	15000
Quantity	:	1
Type	:	Copperstate Collex
Length	:	50'
ID	:	2"
Working pressure	:	10,000
<b>F.1.7 High Pressure Flexible Steel Pipe</b>		
Make/type	:	N/A
Integral connections/fittings (non-threaded)	:	
ID	:	
Working pressure	:	
Section length	:	
Quantity	:	
Sweep swivels, make/type	:	Anson, Swivel Joint Forged 32 Fig 1502
Suitable for H2S service	:	Yes
<b>F.1.8 High Pressure Goosecks/Swivels</b>		
Make/type	:	Anson, supplied by BJ Services
Integral connections/fittings (non-threaded)	:	integral
ID	:	2"
Working pressure	:	15000 psi
Quantity	:	2.00
Sweep swivels, make/type	:	Anson, 2" swivel 32 fig1502
Suitable for H2S service	:	yes
<b>F.2 Low Pressure Mud System</b>		
<b>F.2.1 Mud Processing Tank</b>		
<b>Sand Trap</b>		
Dump valves	:	104
Agitators	:	Yes
Bottom shape	:	No
	:	Flat
<b>Tank No. 1</b>		
Agitated	:	46
	:	No
<b>Tank No. 2</b>		
Agitated	:	48
	:	No
<b>Tank No. 3</b>		
Agitated	:	46
	:	No
<b>Tank No. 4</b>		
Agitator	:	46
	:	No
<b>Tank No. 5</b>		
	:	N/A

Agitated	:	
Total usable capacity	:	184
<b>F.2.2 Mud Tanks</b>		
Quantity	:	3
Total capacity	:	1124
Usable capacity No.1	:	363
Type (active/reserve)	:	Reserve
Height	:	9'
Mixer	:	Yes
Mud guns	:	Yes
Usable capacity No.2	:	500
Type (active/reserve)	:	Active
Height	:	9'
Mixer	:	Yes
Mud guns	:	Yes
Usable capacity No.3	:	258
Type (active/reserve)	:	Active
Height	:	8
Mixer	:	Yes
Mud guns	:	Yes
Usable capacity No.4	:	N/A
Type (active/reserve)	:	
Height	:	
Mixer	:	
Mud guns	:	
Usable capacity No.5	:	N/A
Type (active/reserve)	:	
Height	:	
Mixer	:	
Mud guns	:	
Usable capacity No.6	:	N/A
Type (active/reserve)	:	
Height	:	
Mixer	:	
Mud guns	:	
<b>F.2.3 Mud/Slag Tank</b>		
Capacity (usable)	:	50
Mud agitator	:	Yes
Mud guns	:	Yes
<b>F.2.4 Trap/Stripping Tanks</b>		
Capacity (usable)	:	60
Capacity/foot	:	5
Level Indicator	:	CFI
Electric pump make	:	
Model/type	:	Harrisburg-Model 250 2x3x10
Rated capacity	:	20
Facility for casing fill-up	:	Yes
Alarm and strip chart recorder	:	No
<b>F.2.5 Chemical Mixing Tank</b>		
<b>F.2.6 Scale Shakers</b>		
Seal/oper	:	N/A
Quantity	:	
Make/Model	:	
Type	:	
Nominal flow rate (total)	:	
<b>Elliptical Motion</b>		
Quantity	:	3
Make/Model	:	FL0014-RH
Type	:	Derrick
<b>F.2.7 Decander</b>		
Quantity	:	1
Make/model	:	Derrick
Type	:	
Nominal flow rate	:	1500
Number of cones	:	3
Size	:	10"
Feed pump make/model	:	Mission 264 MAG HI
Type/size	:	6x3x14
Capacity	:	1500
Drive motor hp	:	100
Is pump dedicated to decander	:	Yes

<b>F.2.8</b>	<b>Desilter</b>		<b>1</b>
Quantity	:		<b>Derrick</b>
Make/model	:		
Type	:		
Nominal flow rate	:		<b>24</b>
Number of cones	:		<b>24</b>
Size	:		<b>4"</b>
Feed pump make/model	:		<b>Mission 854 MAG HI</b>
Type/size	:		<b>8x8x14</b>
Capacity	:		<b>1300</b>
Drive motor hp	:		<b>100</b>
Is pump dedicated to desilter	:		<b>Yes</b>
<b>F.2.9</b>	<b>Mud Cleaner</b>		<b>N/A</b>
Quantity	:		
Make/model	:		
Type	:		
Nominal flow rate	:		
Number of cones	:		
Size	:		
Feed pump make/model	:		
Type/size	:		
Capacity	:		
Drive motor hp	:		
Is pump dedicated to mud cleaner	:		
<b>F.2.10</b>	<b>Mud/Gas Separator (Four Bow)</b>		<b>Superior Fabricators Model-15</b>
Make/type	:		
Dimensions (height x OD)	:		<b>24x48"</b>
Gas discharge line ID	:		<b>10</b>
Gas discharge location, primary	:		<b>10' above catwalk</b>
Can discharge be tied into burner system	:		<b>no</b>
Vacuum breaker	:		<b>yes</b>
Mud seal height	:		<b>22"</b>
Pressure gauge	:		<b>80</b>
Calculated gas throughput	:		<b>N/A</b>
<b>F.2.11</b>	<b>Degasser</b>		<b>Derrick Vacu-Flow 1000</b>
Make/type	:		
Nominal flow rate	:		<b>1000</b>
Feed pump make/model	:		<b>8x8x14 National</b>
Type/size	:		<b>8x8x14</b>
Capacity	:		<b>1000</b>
Drive motor hp	:		<b>100</b>
Is pump dedicated to degasser	:		<b>yes</b>
Vacuum pump make/type	:		<b>IR V250</b>
<b>F.2.12</b>	<b>Mud Agitator</b>		<b>6</b>
Quantity	:		
Make/model	:		<b>Process Solutions Inc. Max 2000</b>
Driven by motor of power	:		<b>15</b>
Located in tanks	:		<b>See, Pk</b>
(see F.2.1 and F.2.2 for tank designations)	:		
Quantity	:		<b>1</b>
Make/model	:		<b>Max 2000 M2 AS-VC</b>
Driven by motor of power	:		<b>5</b>
Located in tanks	:		<b>8lug pk</b>
(see F.2.1 and F.2.2 for tank designations)	:		
Quantity	:		<b>N/A</b>
Make/model	:		
Driven by motor of power	:		
Located in tanks	:		
(see F.2.1 and F.2.2 for tank designations)	:		
<b>F.2.13</b>	<b>Mud Centrifuge</b>		
<b>F.2.14</b>	<b>Mud Laboratory and Facilities</b>		<b>No</b>
Separate room	:		<b>yes</b>
Equipped with	:		<b>Yes</b>
Mud balance	:		<b>Yes</b>
Marsh funnel	:		<b>Yes</b>
Filtration PKT	:		<b>No</b>
Sand content IR	:		<b>Yes</b>
Air conditioning	:		<b>No</b>
Positive pressure	:		<b>Yes</b>
<b>F.2.15</b>	<b>GUMBO Buster</b>		<b>Flo-line Primer Derrick FLP-2M200</b>
Make/type	:		
<b>F.2.16</b>	<b>Mud Vac / Sludge Gulper</b>		<b>N/A</b>
Make/type	:		

<b>F.2.17</b>	<b>Cuttings Disposal System</b>	
Describe	:	N/A
<b>F.3</b>	<b>Bulk System</b>	
<b>F.3.1</b>	<b>Bartite/Bentonite Silos</b>	
Quantity	:	3
Capacity of each silo	:	1000
Locations	:	Part
Type weight loadcell	:	Martin Decker
Manufacturer	:	
Pressure rating	:	42
Relief valve(s) installed	:	Yes
Quantity	:	N/A
Capacity of each silo	:	
Locations	:	
Type weight loadcell	:	
Manufacturer	:	
Pressure rating	:	
Relief valve(s) installed	:	
<b>F.3.2</b>	<b>Cement Silos</b>	
Quantity	:	3
Capacity of each silo	:	1000
Locations	:	Stbd
Type weight loadcell	:	Martin Decker
Manufacturer	:	
Pressure rating	:	42
Relief valve(s) installed	:	Yes
Quantity	:	N/A
Capacity of each silo	:	
Locations	:	
Type weight loadcell	:	
Manufacturer	:	
Pressure rating	:	
Relief valve(s) installed	:	
Separate mud/cement loading facilities	:	Yes
Cement discharge independent from bartite/bentonite	:	Yes
bartite/bentonite	:	Yes
<b>F.3.3</b>	<b>Surge Tank for Bartite/Bentonite</b>	
Quantity	:	1
Capacity of each tank	:	20
Type weight loadcell	:	Martin Decker
Manufacturer	:	
Pressure rating	:	42
Relief valve(s) installed	:	Yes
<b>F.3.4</b>	<b>Mud Hopper</b>	
Quantity	:	2
Make/model	:	Vortex
Feed pump make/model	:	Mission Model 200
Type/size	:	8x6x13
Capacity	:	1100
Drive motor hp	:	75
Is feed pump dedicated to mud hopper(s)	:	Yes
Quantity	:	N/A
Make/model	:	
Feed pump make/model	:	
Type/size	:	
Capacity	:	
Drive motor hp	:	
Is feed pump dedicated to mud hopper(s)	:	
<b>F.3.4.1</b>	<b>Mud Shearing Device</b>	
Quantity	:	N/A
Make/model	:	
Feed pump make/model	:	
Type/size	:	
Capacity	:	
Drive motor hp	:	
Is feed pump dedicated to mud hopper(s)	:	
<b>F.3.4.2</b>	<b>Feed Bartite Mix System</b>	N/A
<b>F.3.5</b>	<b>Surge Tank for Cement</b>	1 ea. 50 cu ft
<b>F.3.6</b>	<b>Bulk Transfer System</b> (see also C.1.7-Compressed Air System) Independent air system for the silos and surge tanks consisting of a high-volume low pressure compressor and	

air drier. : Bulk AC No Order  
 Air reduced from main air supply through pressure regulators: :  
 pressure regulators :  
 Separate volume tank and drier :

**G. Casing/Cementing Equipment**

**G.1 Casing Equipment**

**G.1.1 Drive Hammer**  
 Make/type : N/A  
 Maximum casing/conductor OD :

**G.1.2 API Casing Drifts** : N/A

**G.1.3 Clamp-On Casing Thread Protectors**  
 For casing OD, quantity : N/A  
 For casing OD, quantity :  
 For casing OD, quantity :  
 For casing OD, quantity :

**G.1.4 Side Door Casing Elevator** : N/A  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Capacity :

**G.1.5 Single Joint Casing Elevators** : N/A  
 Quantity :  
 For OD casing :  
 Make/type :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Quantity :  
 For OD casing :  
 Make/type :  
 Quantity :  
 For OD casing :  
 Make/type :

**G.1.6 Slip Type Elevator/Soldiers** : N/A  
 Quantity :  
 Make/type :  
 Pneumatic/manual :  
 Capacity :  
 Slips for OD casing sizes :

**G.1.7 Casing Slips** : N/A  
 Quantity :  
 Make/type :  
 For OD casing :

Quantity	:	
Make/type	:	
For OD casing	:	
Quantity	:	
Make/type	:	
For OD casing	:	
Quantity	:	
Make/type	:	
For OD casing	:	
Quantity	:	
Make/type	:	
For OD casing	:	
<b>G.1.8</b>		<b>Casing Bowls</b>
		<b>N/A</b>
Quantity	:	
Make/type	:	
For OD casing (max/min)	:	
Quantity	:	
Make/type	:	
For OD casing (max/min)	:	
Quantity	:	
Make/type	:	
For OD casing (max/min)	:	
Quantity	:	
Make/type	:	
For OD casing (max/min)	:	
<b>G.1.9</b>		<b>Manual Casing Tonge</b>
		<b>N/A</b>
Quantity (sets)	:	
Make/type	:	
W/jaws for OD casing (max/min)	:	
Maximum torque rating	:	
<b>G.1.10</b>		<b>Power Casing Tonge</b>
		<b>N/A</b>
Quantity	:	
Make/type	:	
W/jaws for OD casing (max/min)	:	
Max output torque	:	
Torque indicator	:	
Back-up arm	:	
Quantity	:	
Make/type	:	
W/jaws for OD casing (max/min)	:	
Max output torque	:	
Torque indicator	:	
Back-up arm	:	
<b>G.1.11</b>		<b>Power Unit For Casing &amp; Tubing Tonge</b>
		<b>N/A</b>
Quantity	:	
Make/type	:	
Capacity (sa)	:	
Output pressure	:	
Dedicated unit	:	
<b>G.1.12</b>		<b>Casing Circulating Head (Swedge)</b>
		<b>N/A</b>
<b>G.1.13</b>		<b>Casing Spears (International)</b>
		<b>N/A</b>
Quantity	:	
Make/type	:	
For OD casing	:	
For casing weight	:	
Pack-off	:	
<b>G.1.14</b>		<b>Casing Cutters (Internal)</b>
		<b>N/A</b>
<b>G.1.15</b>		<b>Crossover to Handle Casing with Drill Pipe</b>
<b>G.1.16</b>		<b>Casing Scrapers</b>
		<b>N/A</b>
Quantity	:	
Make/type	:	
For OD casing	:	
For casing weight	:	
OD body	:	
Connection type	:	

Blade type (roller/fix)	:	
Quantity	:	
Make/type	:	
For OD casing	:	
For casing weight	:	
OD body	:	
Connection type	:	
Blade type (roller/fix)	:	
Quantity	:	
Make/type	:	
For OD casing	:	
For casing weight	:	
OD body	:	
Connection type	:	
Blade type (roller/fix)	:	
<b>G.2 Cementing Equipment</b>		
<b>G.2.1 Cement Unit</b>		
Owner	:	Schlumberger Dowell
Free placement basis	:	Unknown
Make/type	:	8CHL CPS - 381 Unit
No. of triplex pumps	:	
Maximum working pressure	:	15,000 psi
Maximum flowrate (total)	:	6.6 BPPM
Unit powered by (electric/diesel)	:	Diesel
Recirculating mixing system	:	Yes
Capacity	:	4.5 BBL/ MIN
Motor power	:	320 Brake HP
Liquid additive system	:	Yes
Protein/batch tank	:	385 Gal per Min
Quantity	:	1 ea
Capacity (total)	:	7 BBL Tub & 16 BBL Blender
Pressure recorder	:	Martin Decker 0-15 K
Densitometer recording device	:	Yes, Type DCS
<b>G.2.2 Cementing Manifolds</b>		
Quantity	:	1
Discharge manifold working pressure	:	10,000
Cement pump discharge lines min. ID	:	2
Cement pump disc. Lines work. pressure	:	10,000
Manifold safety pressure relief valve	:	no
<b>G.2.3 Cementing Standpipes</b>		
Quantity	:	1
Working pressure	:	10,000
ID	:	2
Connection to choke manifold	:	Yes
Connection to standpipe manifold	:	Yes
<b>G.2.4 Cementing Kelly</b>		N/A
<b>G.2.5 Cementing Tubing</b>		N/A
<b>G.2.6 Chokestem (HP lines)</b>		
Number and type	:	5- BJ
OD x ID	:	2"
Length	:	8' ea
W/P and Test Pressure	:	10,000 to 15,000
Type union	:	1502

## H. Instrumentation/Communication

### H.1. Drilling Instrumentation at Driller's Position

<b>H.1.1 Weight Indicator</b>		
Make/type	:	Martin Decker Type E
Sensor type	:	Totco EB
<b>H.1.2 Standpipe Pressure Gauge</b>		
Quantity	:	2
Make/type	:	CP1
Maximum pressure reading	:	6000 psi
Quantity	:	N/A
Make/type	:	
Maximum pressure reading	:	
Quantity	:	
Make/type	:	
Maximum pressure reading	:	
<b>H.1.3 Choke Manifold Pressure Gauge</b>		
Quantity	:	2

Make/type	:	Oteco Model 6
Maximum pressure reading	:	10,000
Quantity	:	N/A
Make/type	:	
Maximum pressure reading	:	
<b>H.1.4 Rotary Instrumentation</b>		
<b>H.1.4.1 Tachometer</b>		
Make/type	:	Louisiana Electric
Maximum RPM	:	0-250
<b>H.1.4.2 Torque Indicator</b>		
Make/type	:	Gulf Coast
Maximum torque	:	1200
<b>H.1.5 Top Drive Instrumentation</b>		
<b>H.1.5.1 Tachometer</b>		
Make/type	:	Louisiana Electric
Maximum RPM	:	0-250
<b>H.1.5.2 Torque Indicator</b>		
Make/type	:	Louisiana Electric
Maximum torque	:	80,000
<b>H.1.6 Pump Stroke Counters</b>		
Quantity	:	2
Make/type	:	OPI
Stroke indicator and cumulative stroke counter /each pump	:	Yes
<b>H.1.7 Tong Torque Indicator</b>		
Make/type	:	OPI
Maximum torque	:	20,000
<b>H.1.8 Pit Volume Totalizer</b>		
Make/model	:	OPI System V 3.5
Floot in active mud tanks	:	Yes
Quantity per tank	:	1
Floot in reserve mud tanks	:	Yes
Quantity per tank	:	1
Floats in mud processing tanks	:	N/A
Quantity per tank	:	
Loss/Gain Indicator	:	Yes
Audio Alarm	:	Yes
Visual Alarm	:	Yes
<b>H.1.9 Mud Flow Indicator</b>		
Make/model	:	OPI
High/low alarm	:	Yes
Audio Alarm	:	Yes
Visual Alarm	:	Yes
Sensor location	:	Flowline
<b>H.1.10 Trip Tank Indicator</b>		
Make/model	:	OPI
Chart recorder	:	N/A
Alarm	:	Yes
<b>H.1.11 Automatic Driller (see B.3.1)</b>		N/A
<b>H.1.12 Remote Choke Control Unit (see E.5)</b>		N/A
<b>H.1.13 Crown Clearance Indicator</b>		
Make/type	:	Koomey, Type 80
<b>H.2 Drilling Parameter Recorder</b>		
Quantity	:	
Make/type	:	OPI
Location - 1	:	OIM
Type (display/recorder/both)	:	Both
Location - 2	:	Company Man office
Type (display/recorder/both)	:	Display
Location - 3	:	Rig Floor
Type (display/recorder/both)	:	Both
Number of parameters recorded	:	Both
Parameter recorded	:	WOM
Parameter recorded	:	RPM
Parameter recorded	:	Pump Pressure
Parameter recorded	:	ROP
Parameter recorded	:	Spm
Parameter recorded	:	Gas
Parameter recorded	:	Depth/Torque
<b>H.3 Instrumentation At Choke Manifold</b>		

<b>H.3.1</b>	<b>Standpipe Pressure Gauge (Drillpipe Pressure gauge)</b>		
	Quantity	:	1
	Make/type	:	Martin Decker
	Pressure range (maximum)	:	0-10,000
	Visible from choke operating position	:	Yes
<b>H.3.2</b>	<b>Choke Manifold Pressure Gauge (Casing pressure gauge)</b>		
	Quantity	:	1
	Make/type	:	Oteco Model 6
	Pressure range	:	1-10,000
<b>H.4</b>	<b>Instrumentation At Standpipe</b>		
<b>H.4.1</b>	<b>Standpipe Pressure Gauge</b>		
	Quantity	:	1
	Make/type	:	Oteco Model 6
	Pressure range	:	0-6000
	Visible from driller's position	:	Yes
	Visible from choke operating system	:	No
	Quantity	:	N/A
	Make/type	:	
	Pressure range	:	
	Visible from driller's position	:	
	Visible from choke operating system	:	
<b>H.5</b>	<b>Deviation Equipment</b>		
<b>H.5.1</b>	<b>Deviation Recorder</b>		
	Quantity	:	1
	Make/type	:	totco single shot
	Deviation range	:	3"
	Quantity	:	1
	Make/type	:	totco single shot
	Deviation range	:	18"
<b>H.5.2</b>	<b>Stickline Unit (see B.2.4)</b>		
<b>H.6</b>	<b>Rig Communication Systems</b>		
<b>H.6.1</b>	<b>Rig Telephone System</b>		
	No. of stations	:	40
	Make/type	:	Gatronics
	Explosion proof	:	Yes
	No. of stations	:	N/A
	Make/type	:	
	Explosion proof	:	
	No. of stations	:	
	Make/type	:	
	Explosion proof	:	
<b>H.6.2</b>	<b>Public Address System</b>		
	Can be combined with H.6.1 above	:	Same as above
	No. of stations	:	40
	Make/type	:	Gatronics
	Explosion proof	:	yes
<b>H.6.3</b>	<b>Drill Floor Talkback System</b>		
	No. of stations	:	N/A
	Location	:	
	Location	:	
	Make/type	:	
	Explosion proof	:	
	Battery backup	:	
<b>H.6.4</b>	<b>Hand Held VHF Radios</b>		
	Quantity	:	2
	Make/type	:	Standard Mx 3606
	Frequency	:	117.18
	Output	:	5 watt
	Quantity intrinsically safe	:	2
<b>H.6.5</b>	<b>Crane Communication System</b>		
	Quantity	:	2
	Make/type	:	VHF Standard
	Explosion proof	:	Yes
	Part of rig telephone system (H.6.1)	:	No
	Part of rig telephone system (H.6.2)	:	No

**H.7 Environmental Instrumentation****H.7.1 Temperature Indicator**

Air temperature (make/model)	:	Davis Weather Wizard III
Recorder	:	Nose on board
Sea water temperature (make/model)	:	N/A
Recorder	:	

**H.7.2 Barometric Pressure Indicator**

Make/model	:	N/A
Recorder	:	

**H.7.3 Humidity Sensing Indicator****H.7.4 Wind Speed/Direction Meter**

Make/model	:	Davis Weather Wizard III
Recorder	:	

**H.7.5 Wave Profile Recorder**

N/A

**H.7.6 Current Indicator**

N/A

**H.7.7 Weather Facsimile**

N/A

Make/model	:	
Located at	:	
Recorder	:	

**H.8 Navigation Instrumentation****H.8.1 Gyro Compass**

N/A

Make/model	:	
Located at	:	

**H.8.2 Radar**

N/A

**H.9 External Communications Equipment****H.9.1 SSB Transceiver**

Location(s)	:	N/A
Quantity	:	
Make/model	:	
Power	:	
Frequency ranges (low/high)	:	
(Synthesized crystal)	:	
Facsimile capable (see also H.9.9)	:	
Telex capable (see also H.9.10)	:	

Location(s)	:	
Quantity	:	
Make/model	:	
Power	:	
Frequency ranges (low/high)	:	
(Synthesized crystal)	:	
Facsimile capable (see also H.9.9)	:	
Telex capable (see also H.9.10)	:	

**H.9.2 E.P.L.R.S.'s**

Quantity	:	1
Make/model	:	Satellite2 406 Model RL-B-32
Location(s)	:	Control House 810d

Quantity	:	N/A
Make/model	:	
Location(s)	:	

**H.9.3 Marine VHF Radio**

Quantity	:	2
Make/model	:	VHF Standard
Power	:	5
Channels	:	88
Location	:	Control Room, Port Crane

Quantity	:	N/A
Make/model	:	
Power	:	
Channels	:	
Location	:	

**H.9.4 Aircraft Radio Beacon Transmitter**

Quantity	:	N/A
Make/model	:	

<b>Power</b>	:	
<b>H.9.5      Aeronautical VHF Transceiver</b>		
Quantity	:	N/A
Make/model	:	
Power	:	
Frequency range (low/high)	:	
(Synthesized/crystal)	:	
Location(s)	:	
<b>H.9.6      Watch Receiver</b>		
Quantity	:	N/A
Make/model	:	
Frequency	:	N/A
<b>H.9.7      Satellite Communication System</b>		
Make/model	:	Qual com Globalstar
Type	:	satellite dish
Facsimile capable (see also H.9.9)	:	Yes
Telex capable (see also H.9.10)	:	No
Location (s)	:	Control Room
<b>H.9.8      Cellular</b>		
Number of phone lines	:	8
<b>H.9.9      Facsimile</b>		
Make/model	:	Rignet
Connected to	:	
<b>H.9.10     Telex</b>		N/A
<b>H.9.11     Scrambler</b>		N/A
<b>H.9.12     Other Communication Systems</b>		
Make/model	:	Rignet Telephone System
Make/model	:	

## I.        Production Test Equipment

<b>1.1        Burners</b>		N/A
<b>1.2        Burner Booms</b>		
Burner platform size	:	N/A
Burner mounting rotatable	:	
<b>1.3        Piping on Burner Booms</b>		N/A
<b>1.3.1      Oil Line</b>		
<b>1.3.2      Gas Line</b>		
<b>1.3.3      Water Line</b>		
<b>1.3.4      Air Line</b>		
<b>1.3.5      Pilot Gasline</b>		
<b>1.4        Sprinkler System</b>		
System in place	:	N/A
Pump source	:	
<b>1.5        Fixed Piping For Well Testing</b>		
<b>1.5.1      Drillfloor To Separator Area</b>		N/A
Type (threaded/welded/both)	:	
Quantity	:	
Size ID	:	
Working pressure	:	
Number of valves required	:	
Connection on drillfloor	:	
Connection at separator	:	
Number of valves /lines	:	
Size of valves	:	
H2S	:	
<b>1.5.2      Separator Area to Burner Booms</b>		
Service (oil/gas)	:	N/A
Type (threaded/welded/both)	:	
Quantity	:	

Size ID	:	
Working pressure	:	
Number of valves required	:	
Connection on drillfloor	:	
Connection at separator	:	
Number of valves /lines	:	
Size of valves	:	
H2S	:	
<b>I.5.3 Water Lines to Burner Booms</b>		
Type (threaded/welded/both)	:	N/A
Quantity	:	
Size ID	:	
Working pressure	:	
Number of valves required	:	
Size of valves	:	
Pump source	:	
Rated line capacity at 900 psi	:	
<b>I.5.4 Air System To Burner Booms</b>		N/A
<b>I.5.5 Oil Storage Tank to Offload</b>		N/A
<b>I.5.6 Separator To Vent Stack of Rig</b>		N/A
<b>I.6 Auxiliary Power Availability</b>		N/A
<b>I.6.1 For Field Laboratory</b>		
Volts	:	N/A
Frequency	:	
Breaker	:	
<b>I.6.2 For Crude Transfer Pump</b>		
Volts	:	N/A
Frequency	:	
Breaker	:	
<b>I.6.3 For Electric Heaters</b>		
Volts	:	N/A
Frequency	:	
Breaker	:	
<b>J. Workover Tools</b>		
<b>K. Accommodation</b>		
<b>K.1 Offices</b>		2
<b>K.1.1 Company Representative's Office</b>		1
Quantity	:	1
Number of combination office/staterooms in above	:	
Complete with desk, filing cabinet(s) & other necessary furniture	:	
Quantity with unrestricted view to drill floor	:	
Third Party Contractors Office, fully outfitted	:	
<b>K.1.2 Contractor Representative Offices</b>		1
Quantity	:	1
Quantity with unrestricted view to drill floor	:	
<b>K.1.3 Control Room</b>		1
Quantity	:	1
<b>K.1.4 Radio Room</b>		0
Quantity	:	0
<b>K.1.5 Helicopter Ready Room</b>		0
Quantity	:	0
<b>K.1.6 Hospital Room</b>		
Number of beds/bunks	:	1
Dangerous drugs locker	:	1
Refrigerator	:	None on board
Dangerous Drug Locker	:	yes
<b>K.2 Living Quarters</b>		
<b>K.2.1 Accommodations</b>		
Total beds	:	66
No. of beds per room type (1, 2, 3, etc.)	:	6
Number of rooms	:	3
Toilets (private/shared/communal)	:	Communal
Showers (private/shared/communal)	:	Communal
No. of beds per room type (1, 2, 3, etc.)	:	2
Number of rooms	:	2

Toilets (private/shared/communal)	:	Private
Showers (private/shared/communal)	:	Private
No. of beds per room type (1, 2, 3, etc.)	:	4
Number of rooms	:	13
Toilets (private/shared/communal)	:	Communal
Showers (private/shared/communal)	:	Communal
No. of beds per room type (1, 2, 3, etc.)	:	N/A
Number of rooms	:	
Toilets (private/shared/communal)	:	
Showers (private/shared/communal)	:	
No. of beds per room type (1, 2, 3, etc.)	:	N/A
Number of rooms	:	
Toilets (private/shared/communal)	:	
Showers (private/shared/communal)	:	
<b>K.2.2</b> Galley	:	
Quantity	:	1
<b>K.2.3</b> Mess Seating Capacity	:	
Main Mess	:	16
Aux. Mess	:	
<b>K.2.4</b> Meeting Rooms	:	
Quantity	:	0
<b>K.2.5</b> Recreation Rooms	:	
Quantity	:	1
Recreation facilities:	:	
TV	:	Yes
VCR	:	Yes
Other	:	
<b>K.2.6</b> Other Rooms	:	
Change Rooms	:	1
Prayer Room	:	0

**L. Safety Equipment**

**L.1. General Safety Equipment**

**L.1.1. General Personnel Protective Gear**

Safety glasses	:	yes
Safety hats	:	yes
Safety boots	:	yes
Safety clothing	:	yes
Ear protection	:	yes
Rubber gloves	:	yes
Rubber aprons	:	yes
Rubber gloves - elbow length	:	yes
Fullface visors	:	yes
Eye shields	:	yes
Dust masks	:	yes
Explosion proof hand torches	:	yes
Safety belts chg lines	:	yes

**L.1.2. Decontamination Stations**

**L.1.2.1. Eye Wash Stations**

Quantity - fixed	:	4
Make/model	:	HANS 8300
Location(s)	:	Shakers, Rig Floor, Backroom, Pit Room
Quantity - portable	:	N/A
Make/model	:	
Location(s)	:	

**L.1.2.2. Safety Showers**

Quantity	:	4
Location(s)	:	with Eye wash Stations

**L.1.3. Derrick Safety Equipment**

Derrick escape chutes (rem chute)	:	No
Make/type	:	
Genuine line	:	No
Derrick safety belts	:	Yes
Make/type	:	DBI Sala
Derrick safety belts	:	
Make/type	:	

**L.1.4. Fresh Air Blowers (Bug Blowers)**

Quantity	:	1
Make/type	:	Brändt
Located at	:	Drill Floor
<b>L.2 Gas/Fire/Smoke Detection</b>		
<b>L.2.1 H2S Monitoring System</b>		
Make/type	:	N/A
Sampling points at	:	
Bail/pole	:	
Drillfloor	:	
Shale shaker	:	
Mud tanks	:	
Ventilation system into living quarters	:	
Other	:	
Alarms at	:	
Drillers console (audible/visual/both)	:	
Engine room (audible/visual/both)	:	
Mud room (audible/visual/both)	:	
Living quarters each level (audible/visual/both)	:	
Central area each structural level (audible/visual/both)	:	
Other	:	
Tied to general alarms	:	
Central control panel	:	
Located at	:	
Local alarm (audible/visual/both)	:	
Slave panel	:	
Located at	:	
Local alarm (audible/visual/both)	:	
<b>L.2.2 Combustible Gas Monitoring System</b>		
Make/type	:	Detcon 1010A-FB
Sampling points at	:	
Rotary table	:	0
Drillfloor	:	0
Shale shaker	:	2
Mud tanks	:	2
Mud pump room	:	0
Engine room	:	0
Emergency Generator Room	:	0
Quarters entry points	:	0
Ventilation system into living quarters	:	0
Other	:	
Alarms at	:	
Drillers console (audible/visual/both)	:	Both
Engine room (audible/visual/both)	:	Both
Mud room (audible/visual/both)	:	Both
Living quarters each level (audible/visual/both)	:	Audible
Central area each structural level (audible/visual/both)	:	Audible
Tied to general alarms	:	No
Central control panel	:	
Located at	:	Control Room
Local alarm (audible/visual/both)	:	Audible
Slave panel	:	
Located at	:	N/A
Local alarm (audible/visual/both)	:	
<b>L.2.3 H2S Detectors (Portable)</b>		
Quantity	:	N/A
Make/type	:	
Stain tubes for H2S: measuring range	:	
from 1 to 20 percent	:	
from 100 to 600 percent	:	
<b>L.2.4 Explosimeters</b>		
Quantity	:	N/A
Make/type	:	
<b>L.2.5 CO2 Gas Detectors (portable)</b>		
Quantity	:	N/A
Make/type	:	
<b>L.2.6 O2 Meter (portable)</b>		
Quantity	:	3
Make/type	:	NSA Model 281
<b>L.2.7 Fire/Smoke Detectors</b>		
Make/type	:	Notifier Fire alarm Control Panel AM2000/1010
Fire detection	:	Yes
Smoke detection	:	Yes
Alarms	:	Yes
Pull boxes	:	Yes

Central control panel	:	
Located at	:	Control Room
Local alarm (audible/visual/both)	:	Audible
Slave panel	:	
Located at	:	N/A
Local alarm (audible/visual/both)	:	
<b>L.3 Fire Fighting Equipment</b>		
<b>L.3.1 Fire Pumps</b>		
Quantity	:	1
Make/model	:	National H400 1500290
Type	:	4x3x13
Output (each)	:	550
Location	:	Pumproom
Quantity	:	1
Make/model	:	National H400 1510250
Type	:	4x3x13
Output (each)	:	550
Location	:	Cement Room
All offtake points supplied by all pumps	:	yes
<b>L.3.2 Hydrants and Hoses</b>		
Hydrants positioned such that any point may be reached by a single hose length from two separate hydrants	:	yes
Quantity of hydrants	:	20 15-1 1/2" 5-1 1/2"
Hose connections/hydrant	:	Wired
Hos max.diam.	:	2 1/2
Length	:	50
<b>L.3.3 Portable Fire Extinguisher</b>		
Quantity (total)	:	42
Type 1 - CO2	:	5-15
Type 2 - Dry Chemical	:	47-20
Type 3 - Foam	:	N/A
<b>L.3.4 Fire Blankets</b>		
Quantity	:	1
Location(s)	:	Galley
<b>L.3.5 Fixed Foam System</b>		N/A
<b>L.3.6 Helixact Foam System</b>		N/A
Make/type	:	
Quantity of monitors	:	
Quantity of foam concentrated stored	:	
Foam type	:	
Application rate	:	
<b>L.3.7 Fixed Fire Extinguisher System</b>		
Protected spaces	:	
Engine room, type (Halon/CO2/other)	:	CO2 Eng./SCR/Mach. Shop
Remote manual release located at	:	Cold Start room
Paint locker, type (Halon/CO2/other)	:	CO2
Remote manual release located at	:	Front side
Emergency generator type (Halon/CO2/other)	:	N/A
Remote manual release located at	:	
SCR room type (Halon/CO2/other)	:	same as Eng.
Remote manual release located at	:	
Remote manual release located at	:	
Other (specify location & type)	:	
Alarm (audible, visual, or both)	:	Both
Automatic shutdown of ventilation fans in protected spaces	:	
<b>L.3.8 Manual Water Deluge System</b>		N/A
Protected spaces	:	
Protected spaces	:	
Water supplied from fire main line	:	
<b>L.3.9 Water Sprinkler System in Accommodation</b>		N/A
Automatic activation	:	

Working pressure	:	
Tank capacity	:	
Salt water backup	:	
Type (wet primary pipe)	:	
<b>L.4 Breathing Apparatus</b>		
<b>L.4.1 General Sets</b>		
Quantity	:	2
Make	:	Scott
Type (demand/positive pressure)	:	Demand
Cascade system quick connects	:	No
Cylinder duration	:	30
Located at	:	Fireman's Locker
Located at	:	
Located at	:	
Located at	:	
Located at	:	
<b>L.4.2 Escape Sets</b>		N/A
Quantity	:	
Make	:	
Type (demand/positive pressure)	:	
Cascade system quick connects	:	
Cylinder duration	:	
Located at	:	
Located at	:	
Located at	:	
<b>L.4.3 Cascade Stations</b>		N/A
<b>L.4.4 Breathing Air Recharge Compressor</b>		N/A
Quantity	:	
Make/type	:	
Compressed air storage capacity	:	
Working pressure	:	
Located at	:	
<b>L.4.5 Compressed Air Breathing Apparatus Trolley Unit</b>		N/A
Make	:	
Type (demand/positive pressure)	:	
Air line length	:	
Compressed air storage capacity	:	
Working pressure	:	
<b>L.4.6 Breathing Air Purity Test Equipment</b>		N/A
Quantity	:	
Make/type	:	
<b>L.5 Emergency First Aid Equipment</b>		
<b>L.5.1 First Aid Kits</b>		
Quantity	:	3
Location	:	Rig Floor, Control Room, OIM Office
<b>L.5.2 Burn Kits</b>		
Quantity	:	None on board
<b>L.5.3 Resuscitators</b>		
Quantity	:	5
Charged (spare) oxygen cylinder	:	10
<b>L.5.4 Stretchers</b>		
Quantity	:	2
Type	:	Stokes Backboard
Located at	:	Hospital/ Rig Floor
Quantity	:	1
Type	:	Backboard
Located at	:	Hospital
Quantity	:	
Type	:	
Located at	:	
<b>L.6 Helideck Rescue Equipment</b>		N/A
Aircraft Ase	:	
Large fireman's rescue axe	:	
Crowbar	:	
Heavy duty chainsaw	:	
Spare blades	:	
Grapple hook	:	

Length of wire rope attached	:	
Quick release knife	:	
Bolt croppers	:	
Fireman's outfit	:	
CO2 Lance	:	
Other	:	
Other	:	
<b>L.7</b>		<b>Emergency Warning Alarms</b>
Approved system to give warning of different emergencies	:	Yes
Activated from drill floor	:	Paulahn
<b>L.8</b>		<b>Survival Equipment</b>
<b>L.8.1</b>		<b>Lifeboats</b>
Make/type	:	58 Man Watercraft
Quantity	:	2
Capacity	:	58
Locations (fwd/aft/port/stbd)	:	Port & Starboard
Davit line length	:	210 & 230
Fire protection	:	Yes
Radio/EPIRB (see section H.9)	:	Yes
<b>L.8.2</b>		<b>Life rafts</b>
Make/type	:	Alexander Ryan Crewsaver
Quantity	:	2
Capacity	:	25
Davit launched	:	Yes
Davit line length	:	150'
Locations (fwd/aft/port/stbd)	:	Fwd/port Fwd/Starboard
Make/type	:	Reverse Throw over
Quantity	:	1
Capacity	:	25
Davit launched	:	No
Davit line length	:	
Locations (fwd/aft/port/stbd)	:	Starboard/Aft
<b>L.8.3</b>		<b>Fast Rescue Boat</b>
Make/type	:	N/A
Engine power	:	
<b>L.8.4</b>		<b>Personal Floatation Devices</b>
Make/type	:	Safeguard Type 1
Quantity	:	104
<b>L.8.5</b>		<b>Survival Suits</b>
		N/A
<b>L.8.6</b>		<b>Life Ring Buoys</b>
Make/type	:	Billy Pugh Type IV
Quantity total	:	8
with lights	:	8
with smoke	:	2
with EPIRB	:	None
<b>L.8.7</b>		<b>Work Vests</b>
Quantity	:	Taylor Tee Type 5 12
<b>L.8.8</b>		<b>Escape Ladders/Nets</b>
Make/type	:	Metal-free
Quantity	:	3
<b>M.</b>		<b>Pollution Prevention Equipment</b>
<b>M.1</b>		<b>Sewage Treatment</b>
Make/model	:	Omin-pure Excellent Int. corp.
System type	:	12MX MultiPass
<b>M.2</b>		<b>Garbage Compaction</b>
Make/model	:	Delphin
System type	:	Air over Hydraulic 40 lbs
<b>M.3</b>		<b>Garbage Disposal/Grinder</b>
Make/model	:	Gulf Grip
System type	:	1/2" 2 hp
<b>M.4</b>		<b>Incinerator</b>
		N/A
<b>M.6</b>		<b>Oily Water Separator</b>
Quantity	:	2
Make/model	:	Coffin Worldwater Hell-sep 6000CP

System type : piped to 2 tanks & separated  
Nominal throughput :

**Additional information:**

Spill Point Discharge