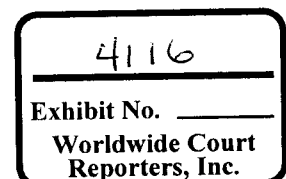


**Vastar Resources, Inc.**  
**Technical Position Papers - Deepwater Horizon**

Description of System or Equipment	Prepared By	Date Complete	To Project Manager	Project Manager Approved	RB Falcon Approved
Marine Riser & Buoyancy	Wayne Cole				
Diverter System	D. Welch	6/6/00	6/8/00	6/8/00	
BOP Stack & Test Stump	D. Welch & D. Metcalf				
BOP Control & Accumulator System	D. Welch & D. Metcalf				
Drill String (DP, DC, pup-joints, subs & x-overs)	Mike Payne				
Casing Handling Equipment	Dan Welch	10/21/99	1/7/00	1/11/00	1/28/00
Rotary & Cementing Hoses	Dan Welch	6/8/00	6/8/00	6/8/00	
Bulk Materials Handling	Rex Black / Dan Welch				
Mud Mixing & Treatment Pumps	Dan Welch	6/7/00	6/8/00	6/8/00	
Mud Solids Processing Equipment	Dan Welch	6/9/00			
Main Generator Control Switchboard	Wayne Cole				
Windlasses & Fairleaders	Wayne Cole				
Supply Vessel Mooring System	Wayne Cole	5/5/00	6/6/00	6/8/00	
Communication System	Clay Wheeler				

TRN list doc 6/26/2000



**Vastar Resources, Inc.**  
**Technical Position Papers - Deepwater Horizon**

Last update: 6/26/00

<b>Description of System or Equipment</b>	<b>Prepared By</b>	<b>Date Complete</b>	<b>Project Manager Approved</b>	<b>To RB Falcon for Approval</b>	<b>RB Falcon Approved</b>
Emergency Disconnect / Deadman System	Mike Byrd	9/13/99	12/13/99	12/14/99	1/05/00
Top Drive Selection	Dan Welch	9/20/99	9/20/99	9/21/99	9/28/99
Mud Gas Separator	Dan Welch	9/21/99	11/8/99	11/10/99	12/6/99
Vacuum Mud Degasser	Dan Welch	6/8/00	6/8/00	6/13/00	
Trip Tank & Mini / Stripping Tank Design	Dan Welch	9/23/99	11/8/99	11/9/99	11/22/99
Choke & Kill Manifold Arrangement & Design	Dan Welch	10/25/99	11/8/99	11/9/99	2/8/00
Riser Tensioner Design	Dan Welch	11/4/99	11/8/99	11/9/99	12/14/99
Wellhead Connector	Mike Byrd / J. Hohmann	11/16/99	1/25/00	1/26/00	1/28/00
BOP Pressure—Temperature Sensors	Mike Byrd	12/13/99	12/14/00	12/15/00	12/29/99
Mud Standpipe Manifold	Dan Welch	1/11/00	1/24/00	1/26/00	2/8/00
Cementing Manifold	Dan Welch	6/8/00	6/8/00	6/13/00	
Drilling Instrumentation Systems & Driller's Cab	Dan Welch / J. Freshwater	6/20/00			
Drawworks – Active Motion Compensation	Dan Welch / J. Freshwater	6/19/00			
Vertical Pipe Racking System	Dan Welch / J. Freshwater	6/5/00	6/8/00	6/8/00	
Derrick, Crown & Traveling Block	Dan Welch / J. Freshwater	5/1/00	6/6/00	6/8/00	
Auxiliary Derrick and Drawworks System	Dan Welch	6/26/00			
Dynamic Positioning System	Howard Shatto				

TDP list.doc 6/26/2000

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**Vastar Resources, Inc.**  
**Technical Position Papers - Deepwater Horizon**

<b>Description of System or Equipment</b>	<b>Prepared By</b>	<b>Date Complete</b>	<b>To Project Manager</b>	<b>Project Manager Approved</b>	<b>RB Falcon Approved</b>
Marine Riser & Buoyancy	Wayne Cole				
Diverter System	D. Welch	6/6/00	6/8/00	6/8/00	
BOP Stack & Test Stump	D. Welch & D. Metcalf				
BOP Control & Accumulator System	D. Welch & D. Metcalf				
Drill String (DP, DC, pup-joints, subs & x-overs)	Mike Payne				
Casing Handling Equipment	Dan Welch	10/21/99	1/7/00	1/11/00	1/28/00
Rotary & Cementing Hoses	Dan Welch	6/8/00	6/8/00	6/8/00	
Bulk Materials Handling	Rex Black / Dan Welch				
Mud Mixing & Treatment Pumps	Dan Welch	6/7/00	6/8/00	6/8/00	
Mud Solids Processing Equipment	Dan Welch	6/9/00			
Main Generator Control Switchboard	Wayne Cole				
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Communication System	Clay Wheeler				

TRN list doc 8/26/2000