

**IADC Well Sharp For Surface BOP Awareness Level**

<b>Course outline</b>		
<b>Day 1</b>		
<b>Time</b>	<b>Subject</b>	<b>Lesson plan</b>
09.00- 09.45	Introduction. Passport presentation. Complete form	1.01
09.45-10.10	BOP Stack Configuration and Side outlet valves	1.02
10.10-10.30	Diverter	1.05
10.30-11.00	Ram type preventer	3.1 – 3.4
11.00-11.30	Blind shear preventers	3.3
11.30 -12.00	Marine Riser System	3.4
<b>12.00-13.00</b>	<b>Lunch Break</b>	
13.00-13.30	Annular preventer	2.1
13.30-14.10	BOP test and Equipment	6.1
	Inside BOPs and Kelly cocks	6.1
14.10-14.30	Chock manifolds and Cocks	4.1
14.30-14.45	Mud/Gas Separator and vacuum degasser	4.2
<b>14.34-15.00</b>	<b>Coffee Break</b>	
15.00-15.30	Surface BOP Control system	5.1
15.30-16.00	Barrier Concept	5.03
16.00-16.20	Inflow test	5.06
<b><u>Home work / additional tasks</u></b>		
Equipment Exercise, Index 1 O1,O2,O3, O,O6, O7, O8 I1, I2 , I3, I9, I,12 , I13,I17, I18 C1, C,C8, C9 , C18, C22 D1, D2, , D10 A1, B1		

<b>Course outline</b>		
<b>Day 2</b>		
<b>Time</b>	<b>Subject</b>	<b>Lesson plan</b>
<b>8.00-8.30</b>	<b>Homework Review</b>	
8.30-9.00	Well control incident, training and assessment	7.01
	Primary / Secondary well control and Rig calculations	7.01
9.00-9.15	Hydrostatic pressure/ well barrier philosophy	7.02
9.15-9.30	Formation pressure and abnormal pressure	7.04
9.30-9.40	Circulating System	7.06
9.40-9.50	Loss of hydrostatic pressure and pumping slug	7.07
9.50-10.10	Causes of kick	7.09
<b>10.10-10.20</b>	<b>Coffee Break</b>	
10.20-10.30	Swab and Surge pressure	8.02
10.30-10.40	Kick Warning sign and first action	7.10
10.40-10.50	Kick indicators and first action	7.11
10.50-11.00	Trip sheet	9.10
11.00-11.45	Fracture pressure	8.03
	Fracture pressure and MAASP	8.03
11.45-12.00	Top Hole	11.01
<b>12.00-13.00</b>	<b>Lunch Break</b>	
13.00-13.30	Gas cutting	8.07
	Influx characteristic and behavior	8.07
	Influx Migration	8.07
13.30-14.15	Subsea factors for surface candidates/Disconnecting Riser	12.07
14.15-14.45	Slow Circulating Rate	14.00
<b>14.45-15.00</b>	<b>Coffee Break</b>	
15.00-15.35	Risk Management	5.01
<b>15.35-16.20</b>	<b>Review</b>	
<b><u>Home work / additional tasks</u></b> P & p Exercise Index 2 O1,O2, O3, O5, O6,O15,O16,O1, P2, R1, R2, R3, R15,R16,R17,R S1, S4, W3, W7, W9,W14,W15,W17,W		

<b>Course outline</b>		
<b>Day 3</b>		
<b>Time</b>	<b>Subject</b>	
07.30-8.45	Homework Review and passport presentation	
<b>TOTAL COURSE HOURS</b>		<b>12 HR</b>
<b>8.45-9.00</b>	<b>Coffee Break</b>	
9.00-11.00	WELLSHARP Test Level introductory	