

## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section Summary**

- 1. Well History**
- 2. Activity Report**
- 3. Phase Analysis: Planned versus Actual Times**
- 4. Time Analysis Overview**
- 5. Time Breakdown by Phase**
- 6. Non-Productive Time Breakdown By Phase**
- 7. Non-Productive Time Root Cause Analysis**

## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 1. Well History**

## Northright-1

Drilling Co.: DIAMOND OFFSHORE

Rig: OCEAN BOUNTY

RT above GL: 25 ft    Lat : 37 deg 55 min 57.75 sec    Spud Date: 24.04.2001    Release Date: 01.05.2001  
GL above MSL : 105 ft    Long : 149 deg 8 min 58.94 sec    Spud Time: 12:26:00 PI    Release Time: 10:15:00 AM

## Well History

#	DATE	DEPTH	WELL HISTORY ( 24 Hr Summary )
1	Tuesday, 24 April 2001	0	FIRST ANCHOR (#6) DROPPED AT 1226 HRS. PACIFIC SENTINEL HAD RUDDER PROBLEMS - UNABLE TO CONTINUE ANCHOR RUNNING OPERATIONS - RIG ON STATIC TOW. AFTER 2 HOURS, SENTINEL ABLE TO TAKE TOW LINE WHILST PACIFIC CONQUEROR RAN ANCHORS 2 & 7. WHILE CHANGING # 3 PENNANT WIRE BROKE, J HOOK # 3 CHAIN, J HOOK CAME OFF THE CHAIN IN HEAVY SWELL (+3 m WITH 42 KNT WINDS). CONQUEROR ADVISED IT WAS SUSPENDING OPERATIONS DUE TO WEATHER. WOW
2	Wednesday, 25 April 2001	0	WAIT ON WEATHER. CONTINUE TO RUN ANCHORS. ANCHOR # 3 LOST. BALLAST DOWN TO DRILLING DRAFT, WAIT ON ROV.
3	Thursday, 26 April 2001	250	RIH, TAG SEABED AND SURVEY. DRILL 36" HOLE. RUN AND CEMENT 30" CASING. DRILL 12 1/4" HOLE. RUN 9 5/8" CASING.
4	Friday, 27 April 2001	250	CONTINUE TO RUN 9 5/8" CASING. CEMENT AND TEST CASING. RIG UP AND RUN BOP AND RISER
5	Saturday, 28 April 2001	347	CONTINUE TO RUN BOP AND RISER, TEST BOP'S, P/U BHA & RIH, DRILL FLOAT & SHOE, PERFORM FIT, DRILL 8 1/2" HOLE
6	Sunday, 29 April 2001	391	POOH, L/D MWD, JARS & STAB. P/U 3 1/2" DP & CMT STINGER, RIH ON 5" DP. SET CEMENT PLUG # 1 (335 - 226 M). POOH, RETRIEVE WEAR BUSHING WHILE WOC. RIH, TAG CEMENT PLUG # 1, PUMP CEMENT PLUG # 2, POOH. R/U TO AND PULL RISER & BOP
7	Monday, 30 April 2001	391	LAND LMRP AND BOP ON BEAMS. FLUSH AND N/D. M/U 20" / 30" CUTTING ASSY, RIH AND CUT 20" / 30" CASING AT 133.53 (3 M BELOW MUD LINE), RECOVER SAME. COMMENCE PULLING SECONDARY ANCHORS WHILST BALLASTING-UP AND L/D TUBULARS.
8	Tuesday, 1 May 2001	391	CONTINUE TO PULL ANCHORS. RIG RELEASED TO WOODSIDE ENERGY LAST ANCHOR RACKED AT 10:15 HOURS MAY 01, 2001

## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 2. Activity Report**

## ACTIVITY REPORT

**WELL :** Northright-1  
**Drilling Co :** DIAMOND OFFSHORE  
**Rig :** OCEAN BOUNTY

Page Number : 1 of 4

**Date : 24.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
0	PS	P	ANCH		5.00	DROP ANCHOR # 6 ON BOTTOM ON RUN IN AND RUN OUT 1600' OF CHAIN
0	PS	TP	ANCH		110.00	PACIFIC SENTINEL ADVISED THAT IT IS UNABLE TO REPAIR STEERING PROBLEM REPORTED PRIOR TO ANCHOR DROP. ANCHOR OPERATIONS SUSPENDED.
0	PS	P	ANCH		85.00	PACIFIC SENTINEL ADVISED IT COULD TAKE TOW BRIDEL WHILST CONQUEROR LAID ANCHORS. ATTEMPT TO GET STB TOW LINE TO SENTINEL UNSUCCESSFUL DUE TO CRANE PROBLEM. CONTINUE TO PULL RIG OVER LOCATION WITH CONQUEROR TO COMPLETE RUNNING ANCHOR # 6.
0	PS	TP	ANCH		95.00	CONNECT SENTINEL TO TOW LINE. SENTINEL ON STATIC TOW. RELEASE CONQUEROR TO RUN ANCHORS
0	PS	P	ANCH		85.00	RUN ANCHOR # 2
0	PS	TP	ANCH		105.00	ATTEMPT TO RUN ANCHOR # 7. ANCHOR UPSIDE DOWN. TURN ANCHOR AROUND
0	PS	P	ANCH		65.00	RUN ANCHOR # 7
0	PS	P	ANCH		40.00	ADJUST RIG POSITION USING ANCHORS WHILST #3 PENNANT WIRE IS PASSED TO THE CONQUEROR TO CHANGE PENNANT
0	PS	TP	ANCH		20.00	#3 PENNANT TANGLED AROUND ANCHOR - FIX SAME
0	PS	P	ANCH		20.00	PASS #3 PENNANT WIRE TO THE CONQUEROR, RUN OUT 1000' CHAIN SO ANCHOR CAN BE PUT ON DECK OF CONQUEROR
0	PS	TP	ANCH		60.00	#3 PENNANT WIRE PARTED ON CONQUEROR - ALL SAFE ON DECK. J HOOK PASSED TO CONQUEROR, ATTEMPT TO RECOVER ANCHOR #3

**Date : 25.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
0	PS	TP	ANCH		50.00	ATTEMPT TO RECOVER ANCHOR #3. J HOOK CAME OFF CHAIN IN HEAVY WEATHER, LANDING NEAR BOAT WINCH. BOAT ADVISED SUSPENDING OPERATIONS DUE TO HEAVY WEATHER (+3 M SWELLS AND +40 KT WINDS)
0	PS	TP	ANCH		460.00	WAIT ON WEATHER
0	PS	TP	ANCH		130.00	PACIFIC CONQUEROR J HOOK # 3 CHAIN. CHAIN RECOVERED WITH NO ANCHOR. J HOOK AND PENNANT PASSED BACK TO THE RIG
0	PS	P	ANCH		80.00	RUN ANCHOR # 4
0	PS	P	ANCH		95.00	PASS # 1 PENNANT WIRE TO PACIFIC CONQUEROR, REPLACE PENNANT ON # 1 ANCHOR
0	PS	P	ANCH		75.00	RUN ANCHOR # 1
0	PS	P	ANCH		90.00	RUN ANCHOR # 8
0	PS	TP	ANCH		125.00	ATTEMPT TO RUN ANCHOR # 5. STOPPED PAYING OUT CHAIN AT 2640' DUE TO ROCKY BOTTOM. HAUL IN FOR RE-RUN.
0	PS	P	ANCH		50.00	RE-RUN ANCHOR # 5
0	PS	P	ANCH		255.00	CROSS-TENSION ANCHORS AND BALLAST DOWN TO DRILLING DRAFT
0	CH	TP	TRIP-I		30.00	WAIT ON ROV TO PERFORM SEABED SURVEY AND MONITOR TAGGING MUDLINE - SONAR FAILURE

Date : 26.04.2001

Depth	Phase	Cls	Op	Root C	Hrs	Activity
0	CH	P	TRIP-I		90.00	RIH & TAG BOTTOM (130.5 M - TIDE CORRECTED, WATER DEPTH 105.5 M) WITH ROV PERFORMING VISUAL BOTTOM SURVEY. DROP TOTCO SURVEY (2 DEGREES). SPACE-OUT AND CHECK ORIGINAL POSITION ON THE SEA-FLOOR WITH THE ROV - OK.
154	CH	P	DRILL		90.00	SPUD NORTHRIGHT-1. DRILL 36" HOLE FROM 130.5 M TO 154 M WITH GEL SWEEPS
154	CH	P	WIPEF		60.00	PUMP 100 BBL SWEEP, TAKE SURVEY, DISPLACE 150 BBL HI-VIS, WIPE HOLE, DISPLACE 150 BBL HI VIS
154	CH	P	TRIP-C		60.00	POOH AND RACK BACK BHA
154	CON	P	CASIN		90.00	HOLD JSA. RIG TO RUN 30" CASING. TEST SHOE JOINT AND M/U 30" CASING
154	CON	P	CASIN		60.00	M/U CEMENT STINGER AND 30" RT TO CASING. ENGAGE 30" CASING TO PGB
154	CON	P	CASIN		60.00	RUN 30" CASING WITH PGB ON DRILLPIPE. R/U CEMENT LINE, CONT TO RIH TO 153.46 M WITH 1.5 M STICK-UP ON 30" WELLHEAD - 3/4 DEGREE BULLSEYE
154	CON	P	CASIN		90.00	DISPLACE TO 75 BBL SW. HOLD JSA FOR CEMENT JOB. PRESSURE TEST CEMENT LINES. CEMENT CASING AS PER PROGRAM
154	CON	P	CASIN		180.00	WAIT ON CEMENT HOLDING CASING WITH 180K. PGB BULLSEYE AT 1.3 DEG. RELEASE RUNNING TOOL, POOH, L/O RT, SES AND TIW
154	IH1	P	HAND		180.00	HOLD JSA - P/U 30" BHA AND L/O HO, BIT AND X/O. M/U 12 1/4" BHA & RIH. STAB IN WITH ASSISTANCE FROM THE ROV - TAG CMT @ 146 M
154	IH1	P	DRILL		90.00	DRILL CMT AND SHOE - TAGGED 153 M - USING GEL & GUAR SWEEPS
250	IH1	P	DRILL		150.00	DRILL 12 1/4" HOLE FROM 153 M TO 250 M AT CONTROLLED RATE USING 30 BBL GEL/GUAR SWEEPS AS REQUIRED
250	IH1	P	CIRCL		30.00	SWEEP HOLE WITH 200 BBL GUAR AND DISPLACE TO 200 BBL PHG
250	IH1	P	WIPEF		30.00	POOH FROM 250 M TO 150 M. RIH TO 250 M. SPOT 150 BBL DRISPAC PILL
250	IH1	P	TRIP-C		60.00	POOH AND L/O BIT, SUB AND DC
250	IC1	P	CASIN		90.00	HOLD JSA - R/U TO RUN CASING. P/U SHOE TRACK. TEST FLOAT AND SHOE.
250	IC1	P	CASIN		30.00	RUN 9 5/8" CASING - FILL W/ SW

Date : 27.04.2001

Depth	Phase	Cls	Op	Root C	Hrs	Activity
250	IC1	P	CASIN		60.00	CONTINUE TO RUN 9 5/8" CASING - FILL W/ SW
250	IC1	P	WELL		30.00	P/U 18 3/4" WELLHEAD ASSY, RELEASE RUNNING TOOL, M/U CMT PLUGS & STINGER, M/U RUNNING TOOL TO 20" CASING CROSS-OVER
250	IC1	P	CASIN		90.00	CONTINUE RUNNING CASING ON DP
250	IC1	P	CASIN		60.00	P/U CMT HEAD, CONNECT CONTROL LINES AND CEMENT HOSE
250	IC1	P	CASIN		30.00	LAND 9 5/8" CSG, 30K DOWN, TEST WITH 50K OVERPULL. CIRC 90 BBL SW
250	IC1	P	CASIN		30.00	HOLD JSA - PRESSURE TEST CMT LINES, RELEASE BOTTOM DART AND SHEAR PLUG WITH 1100 PSI, MIX & PUMP 340 SXS (70 BBL) CEMENT
250	IC1	P	CASIN		60.00	RELEASE TOP DART, SHEAR PLUG WITH 2200 PSI, HALLIBURTON DISPLACE WITH 22 BBL SW, BUMP PLUG AND TEST CSG TO 2200 PSI, RIG DOWN CEMENT LINE, FLUSH CMT HEAD W/ SW
250	IC1	P	TRIP-C		120.00	POOH & LAY OUT CMT HEAD
250	IC2	P	RISER		90.00	HOLD JSA - MOVE RIG OFF LOCATION 15 M, R/U RISER EQUIPMENT
250	IC2	P	RISER		90.00	M/U RISER DOUBLE

**Date : 27.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
250	IC2	P	RISER		180.00	MOVE BOP & LMRP TO BEAMS. FUNCTION TEST BOTH PODS
250	IC2	P	RISER		330.00	M/U DOUBLE, HOLD JSA, RUN BOP, PRESSURE TEST CHOKE & KILL LINES 200 PSI / 5 MIN 5000 PSI / 10 MIN AT DOUBLE AND BEFORE SLIP JOINT
250	IC2	P	RISER		150.00	HOLD JSA - M/U SLIP JOINT, FIT GOOSENECKS, PRESSURE TEST
250	IC2	P	RISER		60.00	CONNECT RISER TENSION LINES
250	IC2	P	BOP :		30.00	MOVE RIG BACK OVER LOCATION. LAND BOP WITH 50K DOWN, TEST CONNECTION WITH 50 K OVERPULL
250	IC2	P	RISER		30.00	HOLD JSA - UNLOCK SLIP JOINT

**Date : 28.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
250	IC2	P	RISER		30.00	CONTINUE TO N/U SLIP JOINT & STROKE OUT - L/O LANDING JOINT
250	IC2	P	RISER		90.00	HOLD JSA - P/U DIVERTER & INSTALL - 40K OVERPULL TEST - GOOD. R/D RISER RUNNING EQUIPMENT
250	IC2	P	BOP :		60.00	M/U HWDP X 2 STDS TO BOP TEST TOOL, RIH & LAND OUT
250	IC2	P	BOP :		330.00	PRESSURE TEST BOP'S. ANN 200 / 2500, RAMS 200 / 5000, 5 / 10 MIN TEST ON YELLOW POD, FUNCTION ON BLUE POD. POOH, L/O TEST TOOL - FUNCTION DIVERTER SYSTEM
250	PH1	P	MWD :		90.00	P/U MWD & FUNCTION TEST SAME - PROGRAM TOOL
250	PH1	P	TRIP-I		90.00	CONTINUE TO P/U BHA AND RIH. TAG CEMENT AT 225 M
253	PH1	P	DRILL		90.00	CLEAN OUT CEMENT TO 233 M - TAG PLUGS
253	PH1	P	DRILL		150.00	DRILL CEMENT FROM 225 - 250 M. FLUSH CHOKE & KILL LINES TO MUD
253	PH1	P	CIRCL		30.00	REAM SHOE AND RAT HOLE & DRILL 3 M OF NEW FORMATION, DISPLACE TO MUD
253	PH1	P	LEAK-		60.00	PERFORM FIT TO 1.24 SG (EMW) AT 253 M WITH 1.10 SG MUD (VERBAL APPROVAL FROM KOUROSH MEHIN - VIC NRE) TO DRILL AHEAD
253	PH1	P	HAND		30.00	TDS SERVICE
347	PH1	P	DRILL		390.00	DRILL 8 1/2" HOLE FROM 253 M TO 347 M, FLOW CHECK LOSSES AT 275 M - STATIC. FLOW CHECK DRILL BREAK AT 329 M - STATIC. DEVIATION SURVEY AT 319.5 M - 0.35 DEGREES

**Date : 29.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
391	PH1	P	DRILL		150.00	CONTINUE TO DRILL 8 1/2" HOLE FROM 347 M TO 391 M (TD) BOOSTING RISER AS REQUIRED. DECISION TO TD EARLY BASED ON LWD LOGS AND SAMPLES. VERBAL APPROVAL FROM KOUROSH MEHIN (VIC NRE)
391	PH1	P	CIRCL		30.00	CIRCULATE BOTTOMS-UP
391	PH1	P	TRIP-C		120.00	POOH, LAY DOWN ANADRILL, JARS AND STABILIZER
391	ABN	P	PIPE -		150.00	HOLD JSA - RIG-UP THEN PICK-UP 18 JTS 3 1/2" D/P AND CUT-OFF STINGER. RIH AND CIRCULATE BOTTOMS UP
391	ABN	P	CEME		30.00	TEST HOWCO LINES TO 1200 PSI. PUMP CEMENT PLUG # 1 FROM 337 M TO 212 M WITH 187 SXS. DISPLACE WITH 1.2 BBLS SEAWATER AND 8.9 BBLS MUD.
391	ABN	P	CEME		60.00	POOH FROM 337M TO 156 M, CIRCULATE BOTTOMS UP
391	ABN	P	WAIT :		120.00	POOH FROM 156 TO 128 M, FLUSH BOPS AND CHOKE AND KILL LINES WHILST WOC.
391	ABN	P	WELL-		60.00	P/U WEAR BUSHING RUNNING TOOL AND RIH. LATCH AND RELEASE 65K OVERPULL, POOH
391	ABN	P	TRIP-I		60.00	P/U 3 1/2" DP CEMENT STINGER, RIH - TAG TOC AT 226 M WITH 5 K DOWN

**Date : 29.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
391	ABN	P	CIRCL		60.00	DISPLACE WELL TO SEAWATER AND R/U CEMENT HOSE
391	ABN	P	CEME		30.00	PRESSURE TEST HOWCO LINES TO 1000 PSI, MIX AND PUMP CEMENT PLUG # 2 FROM 223 M TO 160 M WITH 72 SXS CMT. DISPLACE W/ 9 BBLS S/W
391	ABN	P	CIRCL		30.00	PULL BACK TO 150 M. REVERSE CIRCULATE - PUMP 50 BBLS S/W. SMALL AMOUNT OF CMT CIRCULATED
391	ABN	P	TRIP-(		60.00	POOH CMT STINGER, L/O 12 1/4" STAB FROM DERRICK
391	ABN	P	RISER		60.00	HOLD JSA - R/U TO PULL BOP & RISER
391	ABN	P	RISER		60.00	HOLD JSA - PULL DIVERTER AND L/O
391	ABN	P	RISER		90.00	P/U LANDING JOINT, CLOSE SLIP JOINT
391	ABN	P	RISER		90.00	UNLATCH BOP, HOLD JSA, NIPPLE DOWN SLIP JOINT
391	ABN	P	RISER		180.00	L/O LANDING JOINT, SLIP JOINT AND PULL BOP

**Date : 30.04.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
391	ABN	P	RISER		60.00	LAND LMRP AND BOP ON BEAMS, N/D BOP. R/D RISER EQUIPMENT
391	ABN	P	BOP :		30.00	M/U JET TOOL AND JET BOPS
391	ABN	P	BOP :		60.00	MOVE BOP AND LMRP. INSTALL MOUSEHOLE
391	ABN	P	CASIN		120.00	P/U AND M/U CASING CUTTING ASSY. TEST KNIVES AND RIH. STAB-IN AND LATCH
391	ABN	P	CASIN		240.00	CUT 20" AND 30" CASING AT 133.5 M (3 M BELOW MUD LINE)
391	ABN	P	CASIN		180.00	ATTEMPT TO PULL CASING - 160K OVERPULL - NO GO. CONTINUE TO CUT CASING
391	ABN	P	CASIN		30.00	PULL CASING FREE OF SEABED AND COMMENCE PULLING TGB TO SURFACE. (1155 HRS #8 PENNANT PASSED TO PACIFIC SENTINEL)
391	RMO	P	ANCH		620.00	COMMENCE PULLING ANCHORS WHILST DEBALLASTING THE RIG. PACIFIC SENTINEL CHASING AND RECOVERING ANCHOR # 8, ANCHOR # 1 AND ANCHOR # 7. PACIFIC CONQUEROR CHASE AND RECOVER ANCHOR # 5
391	RMO	P	ANCH		100.00	DEBALLAST RIG FROM 56.6 FT TO 32 FT

**Date : 01.05.2001**

Depth	Phase	Cls	Op	Root C	Hrs	Activity
391	RMO	P	ANCH		180.00	CONTINUE DEBALLASTING RIG FROM 56.6 FT TO 32 FT TRANSIT DRAFT
391	RMO	TP	ANCH		120.00	REPOSITION ANCHOR #3 (NEW ANCHOR) TO ALLOW ACCESS TO ANCHOR #4 PENNANT WIRE
391	RMO	P	ANCH		315.00	RECOVER ANCHORS #4 AND #2 WITH THE PACIFIC SENTINEL. RECOVER ANCHOR #6 WITH THE RIG. RIG RELEASED LAST ANCHOR RACKED AT 10:15 HOURS MAY 1, 2001.



## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 3. Phase Analysis: Planned versus Actual Times**

# Phase Analysis : Planned versus Actual times

## Northright-1

Move Time :

Included in Totals

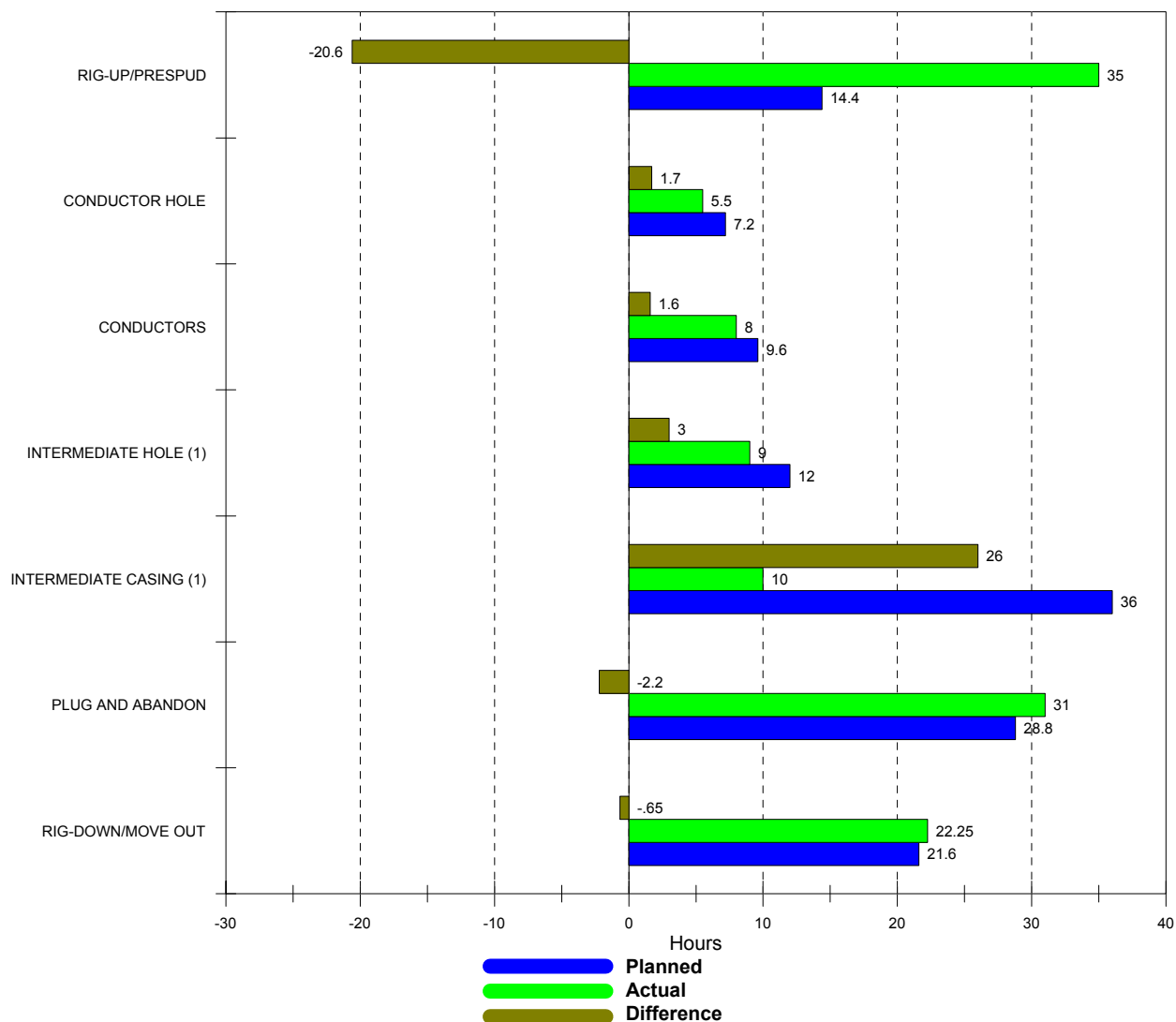
Total plan hrs in planned phases : 129.60

Total actual hrs in planned phases : 120.75

Total hrs in plan but not on well 43.20

Total hrs on well but not in plan: 45.00

Planned v Actual Hrs per Phase



Phase	depth	Plan hrs	Actual hrs	Diff
RIG-UP/PRESPUD		14.40	35.00	-20.60
CONDUCTOR HOLE	152.00	7.20	5.50	1.70
CONDUCTORS	152.00	9.60	8.00	1.60
INTERMEDIATE HOLE (1)	247.00	12.00	9.00	3.00
INTERMEDIATE CASING	247.00	36.00	10.00	26.00
PLUG AND ABANDON	420.00	28.80	31.00	-2.20
RIG-DOWN/MOVE OUT	420.00	21.60	22.25	-0.65

Phase	Hrs in plan but not on well
E2	24.00
IH2	19.20

Phase	Hrs on well but not in plan
IC2	24.50
PH1	20.50

## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 4. Time Analysis Overview**

## Time Analysis Overview

**Well :** Northright-1  
**Drilling Co :** DIAMOND OFFSHORE  
**Rig :** OCEAN BOUNTY  
**Spud date :** 24.04.2001  
**TD Depth :** 391.0  
**Final Depth :** 391.0  
**Total Time (hrs) - Spud/Release :** 143.50  
**Total Time (hrs) - Rig Move :** 22.25  
**Total NPT (hrs) :** 21.75  
**Total Time (hrs) - Pre Spud :** 35.00

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### Time-Breakdown : Times by Class and Operation

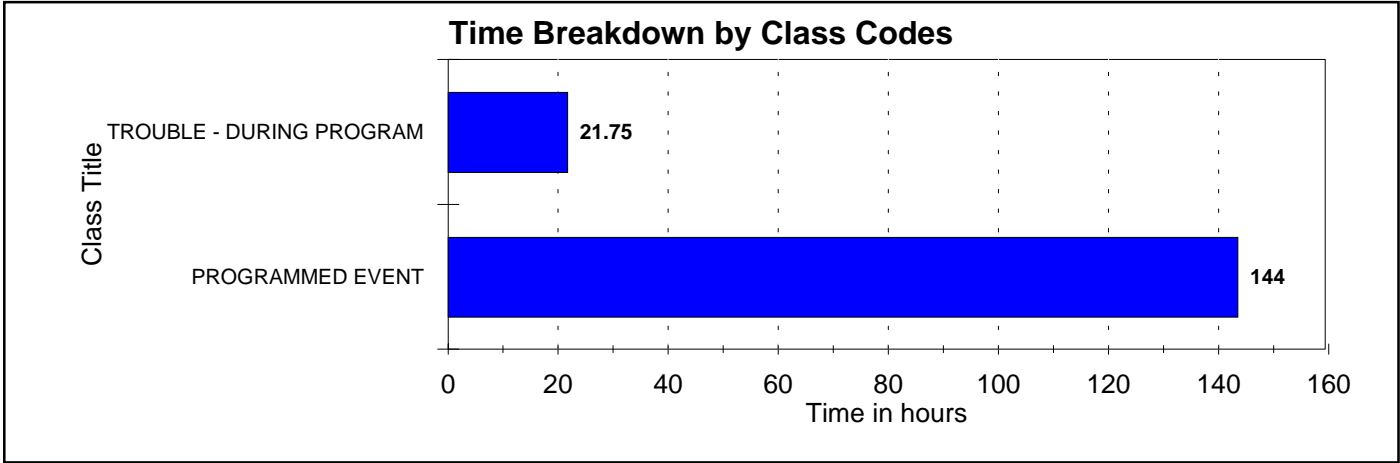
Operations of < than 2 hrs

Class	Hrs
PROGRAMMED EVENT	144.0
TROUBLE - DURING PROGRAM	21.8

Operation	Hrs
ANCHOR HANDLING	57.3
RISER - RUN	17.5
TOT. CSG/CMT	14.5
DRILLING AHEAD	13.0
TOT. TRIPPING	11.5
CASING - CUT	9.0
RISER - RECOVER	9.0
BOP : NIPPLE U/D AND TEST	8.5
CASING - RUN	8.5
HANDLE BHA	3.5
CIRCULATE & CONDITION MUD	3.0
PIPE - PICKUP	2.5
CEMENT ABANDONMENT/KICK	2.0
MWD SVC/D'LOAD DATA	1.5
WELL-HEAD	1.5
WIPER TRIP	1.5
LEAK-OFF TEST	1.0
CASING - PULL	.5

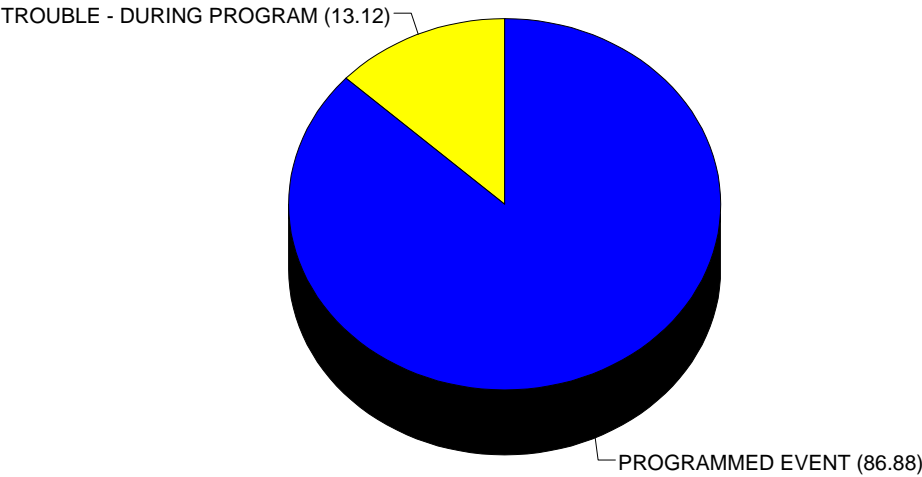
WELL : Northright-1

Pacesetter : Northright-1



Time Analysis by Class Codes

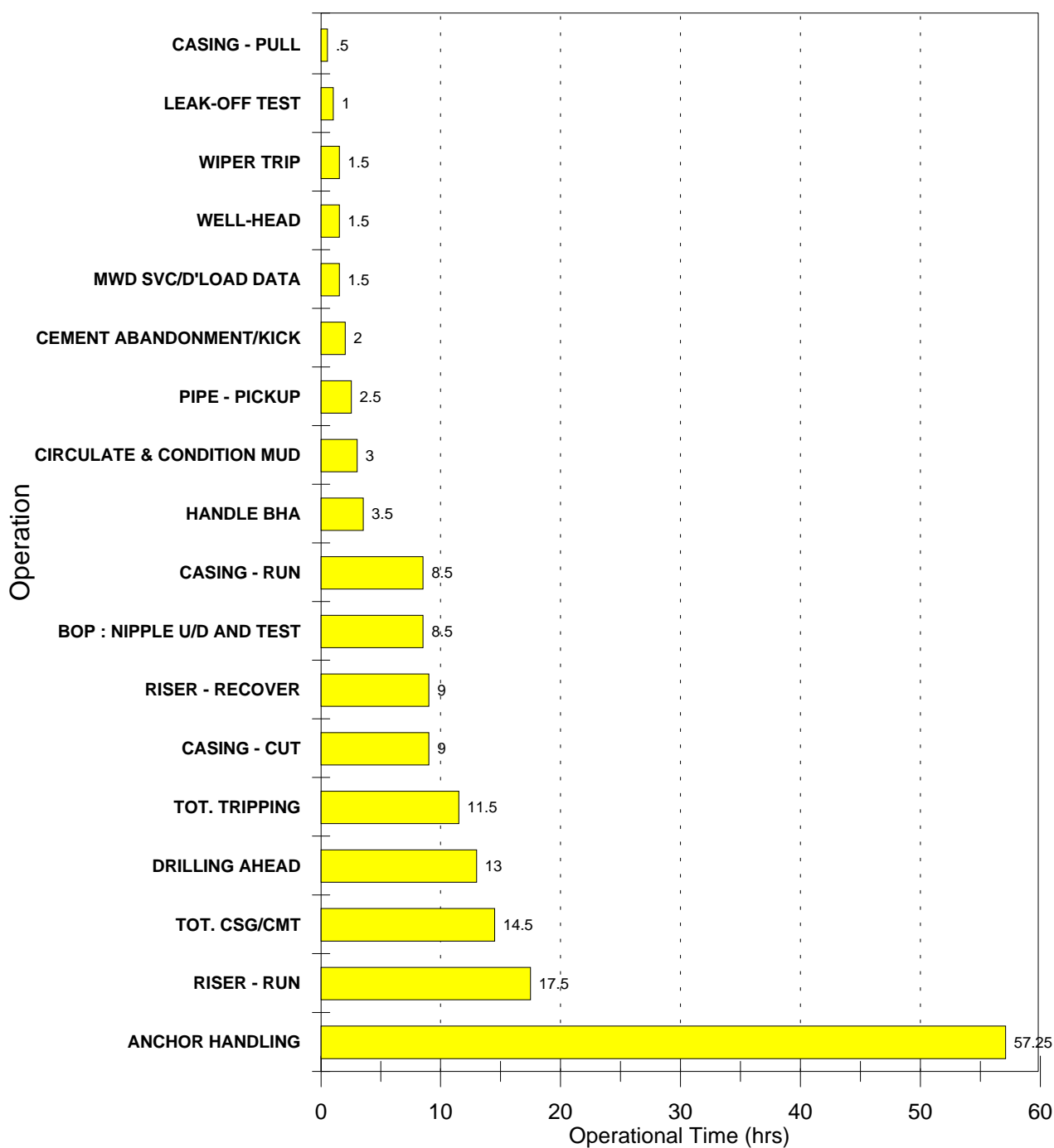
Class	Hrs
PROGRAMMED EVENT	144.0
TROUBLE - DURING PROGRAM	21.8



WELL : Northright-1

Pacesetter : Northright-1

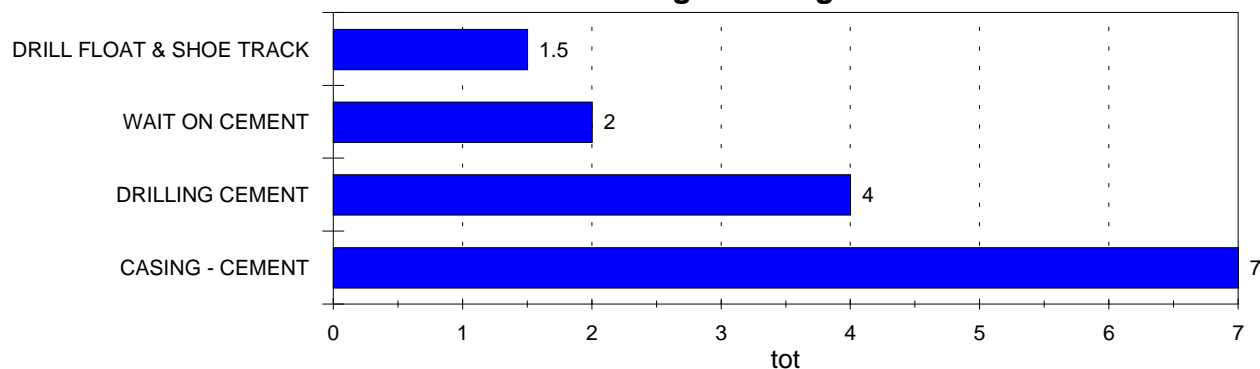
Time Breakdown by Operational Code



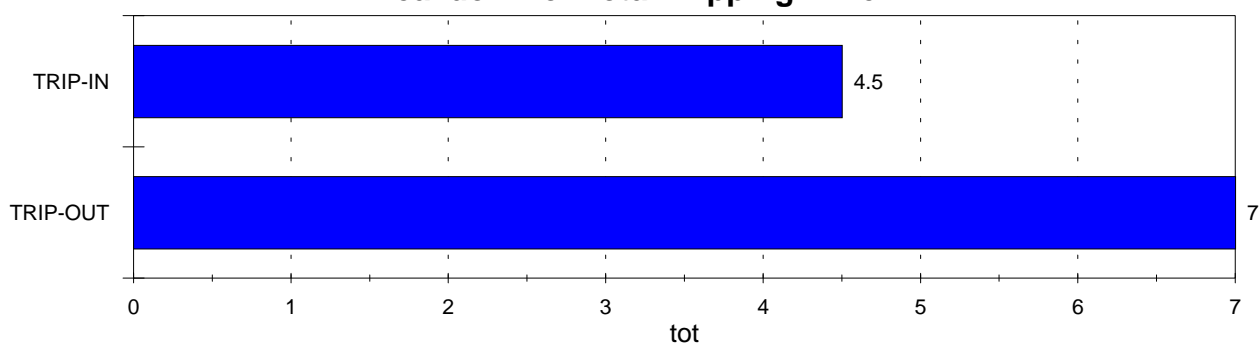
WELL : Northright-1

Pacesetter : Northright-1

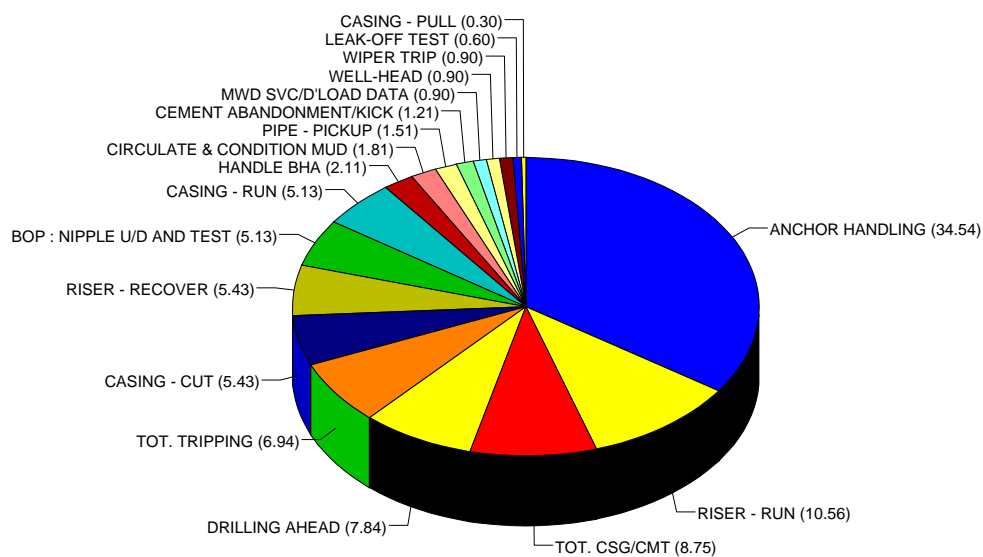
Breakdown of Total Csg &amp; Cmtng Time



Breakdown of Total Tripping Time



Time Analysis by Operational Codes



Operation	hrs
ANCHOR HANDLING	57.3
RISER - RUN	17.5
TOT. CSG/CMT	14.5
DRILLING AHEAD	13.0
TOT. TRIPPING	11.5
CASING - CUT	9.0
RISER - RECOVER	9.0
BOP : NIPPLE U/D AND TEST	8.5
CASING - RUN	8.5
HANDLE BHA	3.5
CIRCULATE & CONDITION MUD	3.0
PIPE - PICKUP	2.5
CEMENT ABANDONMENT/KICK	2.0
MWD SVC/D'LOAD DATA	1.5
WELL-HEAD	1.5
WIPER TRIP	1.5
LEAK-OFF TEST	1.0
CASING - PULL	0.5

## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

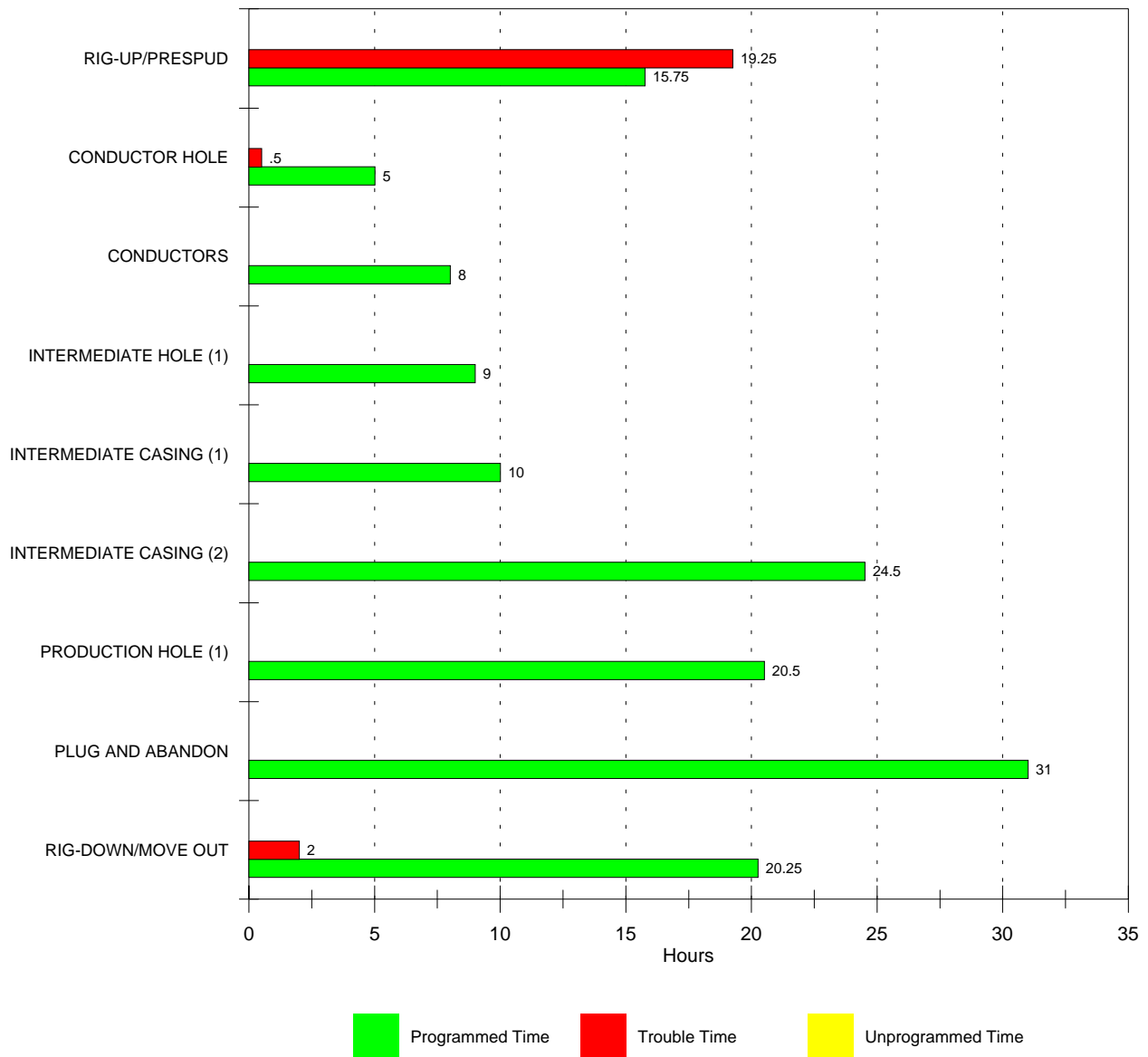
#### **Section 5. Time Breakdown by Phase**



# Time Breakdown by Phase Northright-1

**TOTAL HRS ON WELL :** 165.75  
**TOTAL PROGRAMMED HRS :** 144.00  
**TOTAL TROUBLE HRS :** 21.75  
**TOTAL UNPROGRAMMED HRS :** 0.00

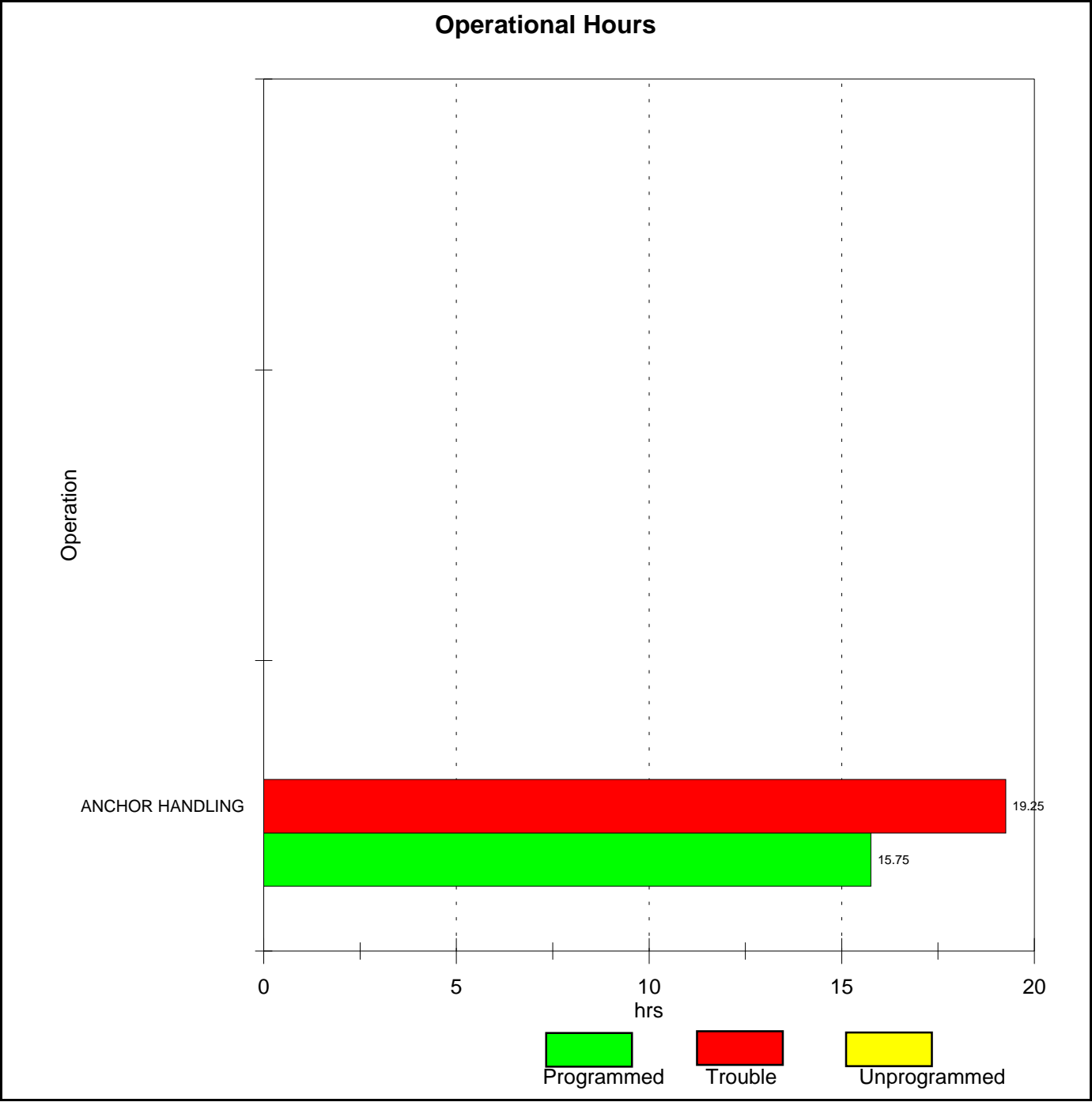
**Programmed, Trouble and Unprogrammed hours per Phase**



CODE	PHASE	PROG	TROUB	UNPROG
PS	RIG-UP/PRESPUD	15.75	19.25	
CH	CONDUCTOR HOLE	5.00	0.50	
CON	CONDUCTORS	8.00		
IH1	INTERMEDIATE HOLE (1)	9.00		
IC1	INTERMEDIATE CASING (1)	10.00		
IC2	INTERMEDIATE CASING (2)	24.50		
PH1	PRODUCTION HOLE (1)	20.50		
ABN	PLUG AND ABANDON	31.00		
RMO	RIG-DOWN/MOVE OUT	20.25	2.00	

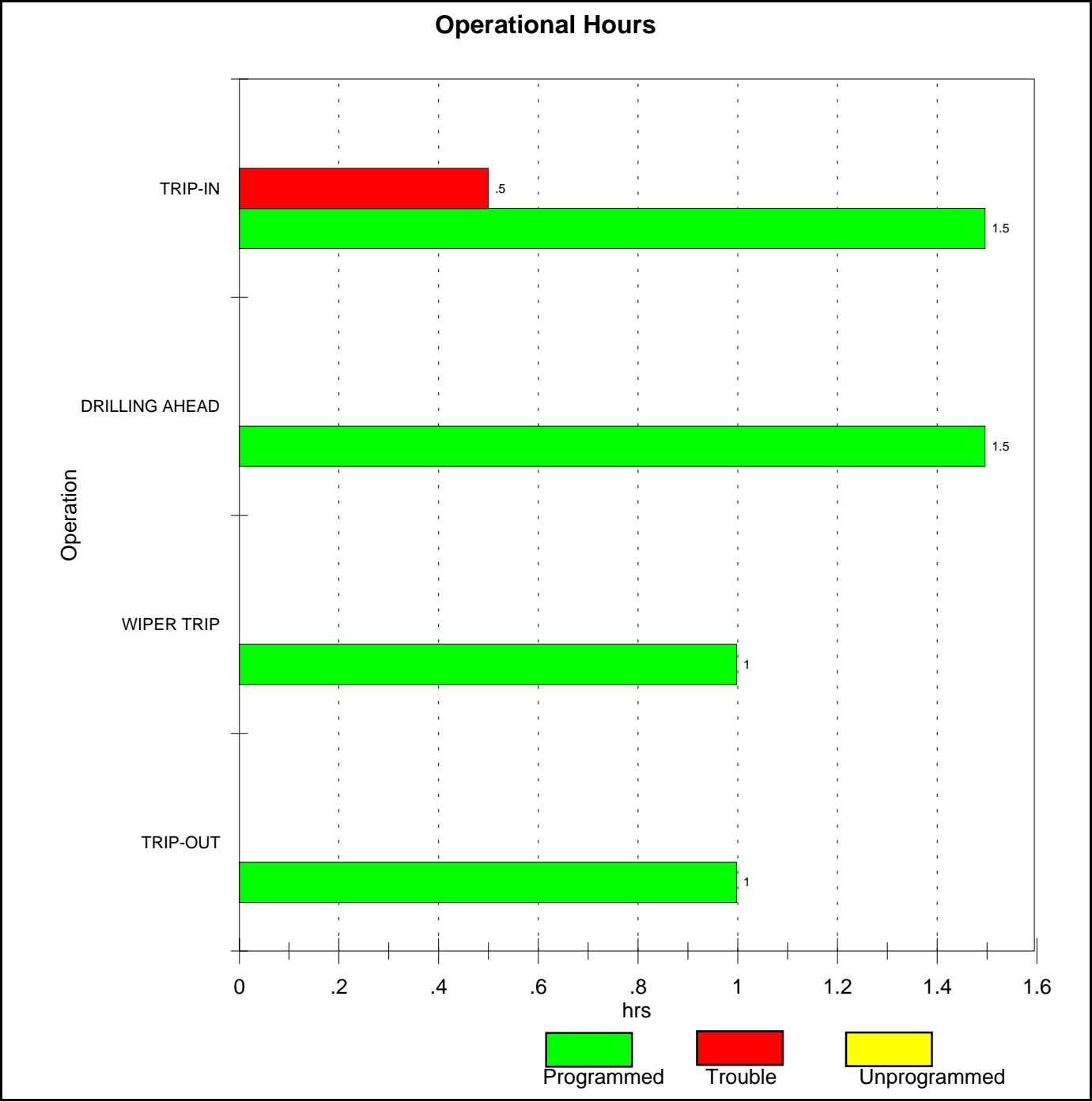
PHASE : RIG-UP/PRESPUD

PROG. TIME (hrs): 15.75    TROUBLE TIME (hrs): 19.25    UNPROG. TIME (hrs): 0.00



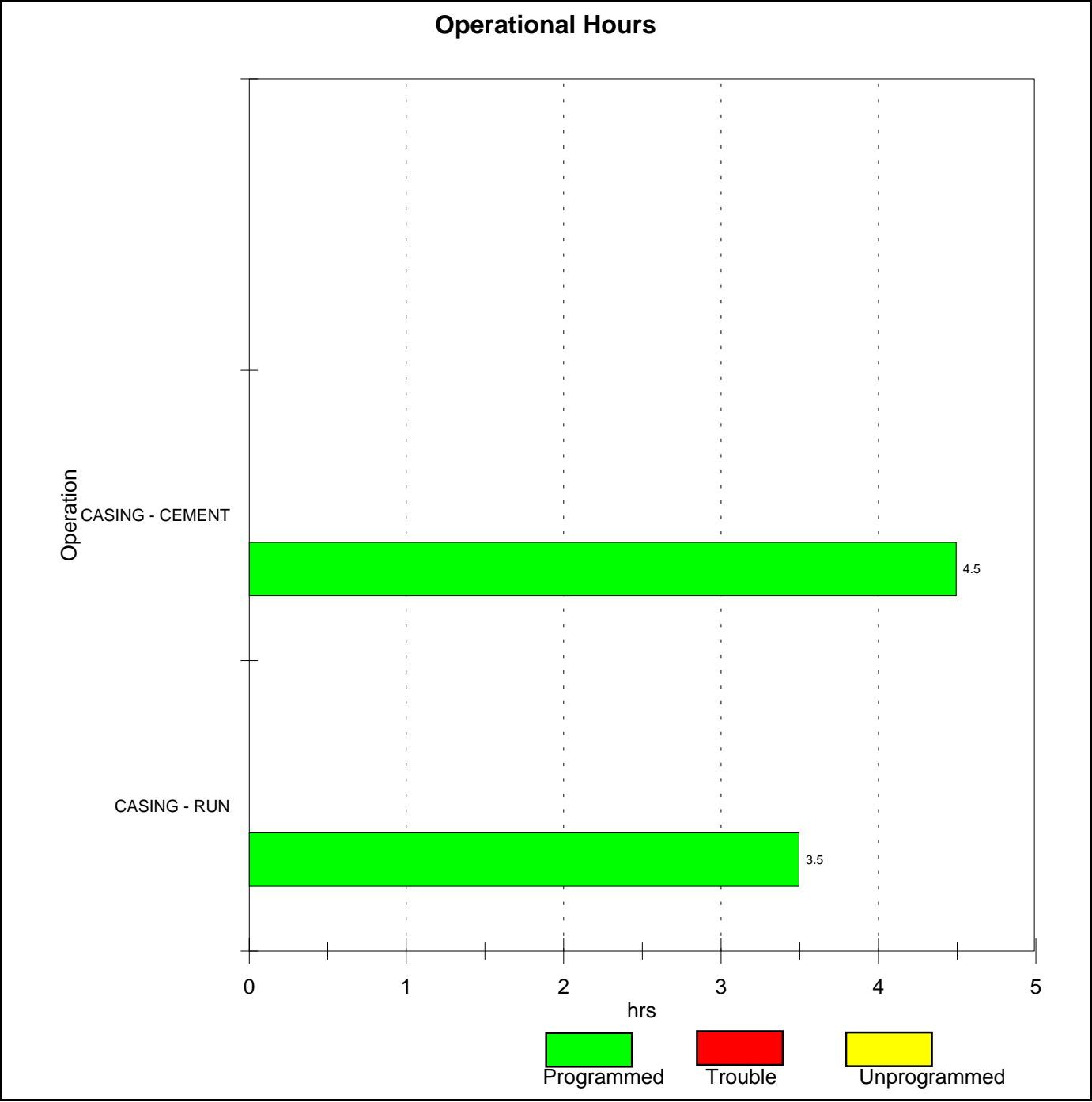
PHASE : CONDUCTOR HOLE

PROG. TIME (hrs): 5.00    TROUBLE TIME (hrs): 0.50    UNPROG. TIME (hrs): 0.00



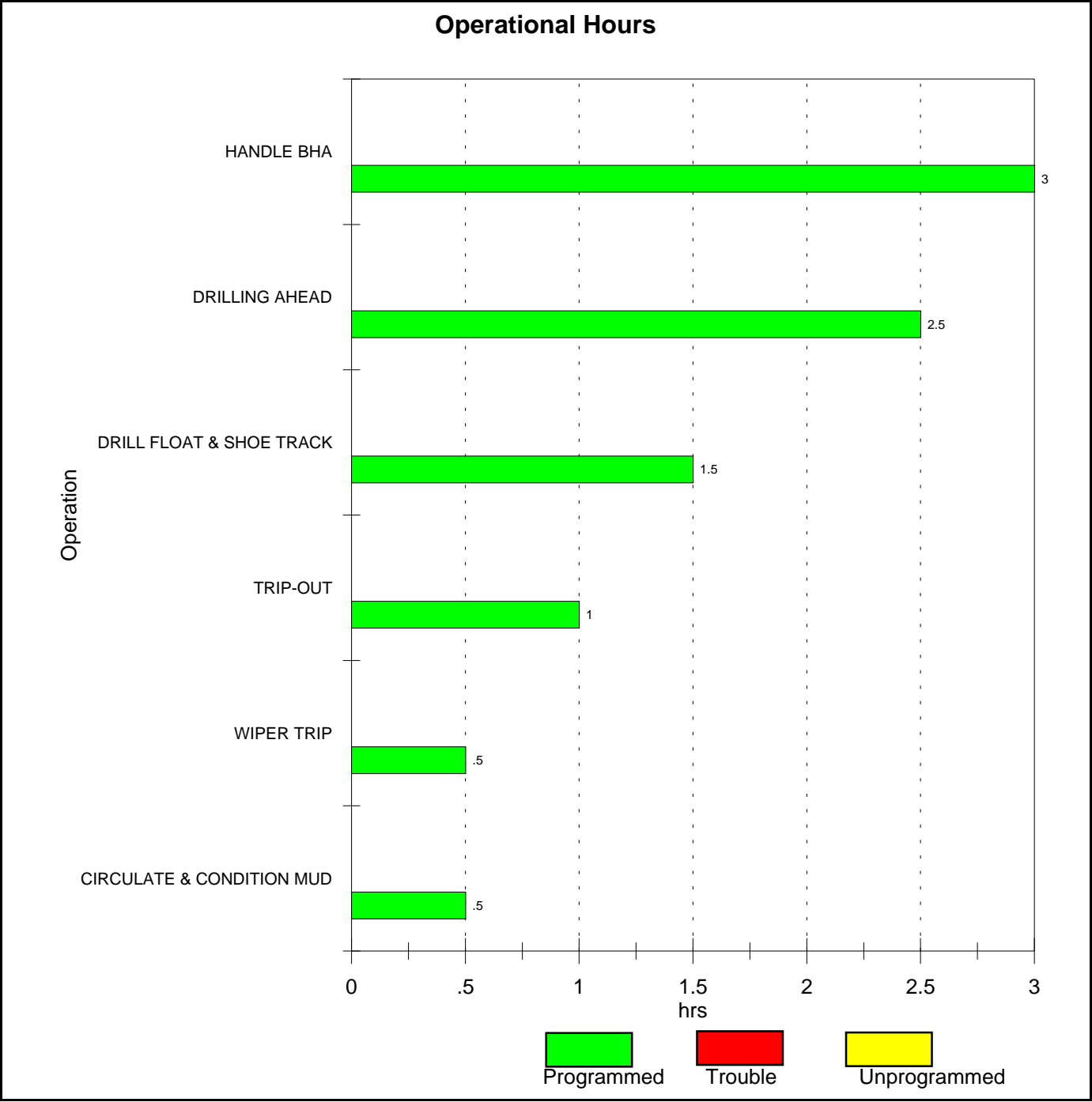
PHASE : CONDUCTORS

PROG. TIME (hrs): 8.00    TROUBLE TIME (hrs): 0.00    UNPROG. TIME (hrs): 0.00



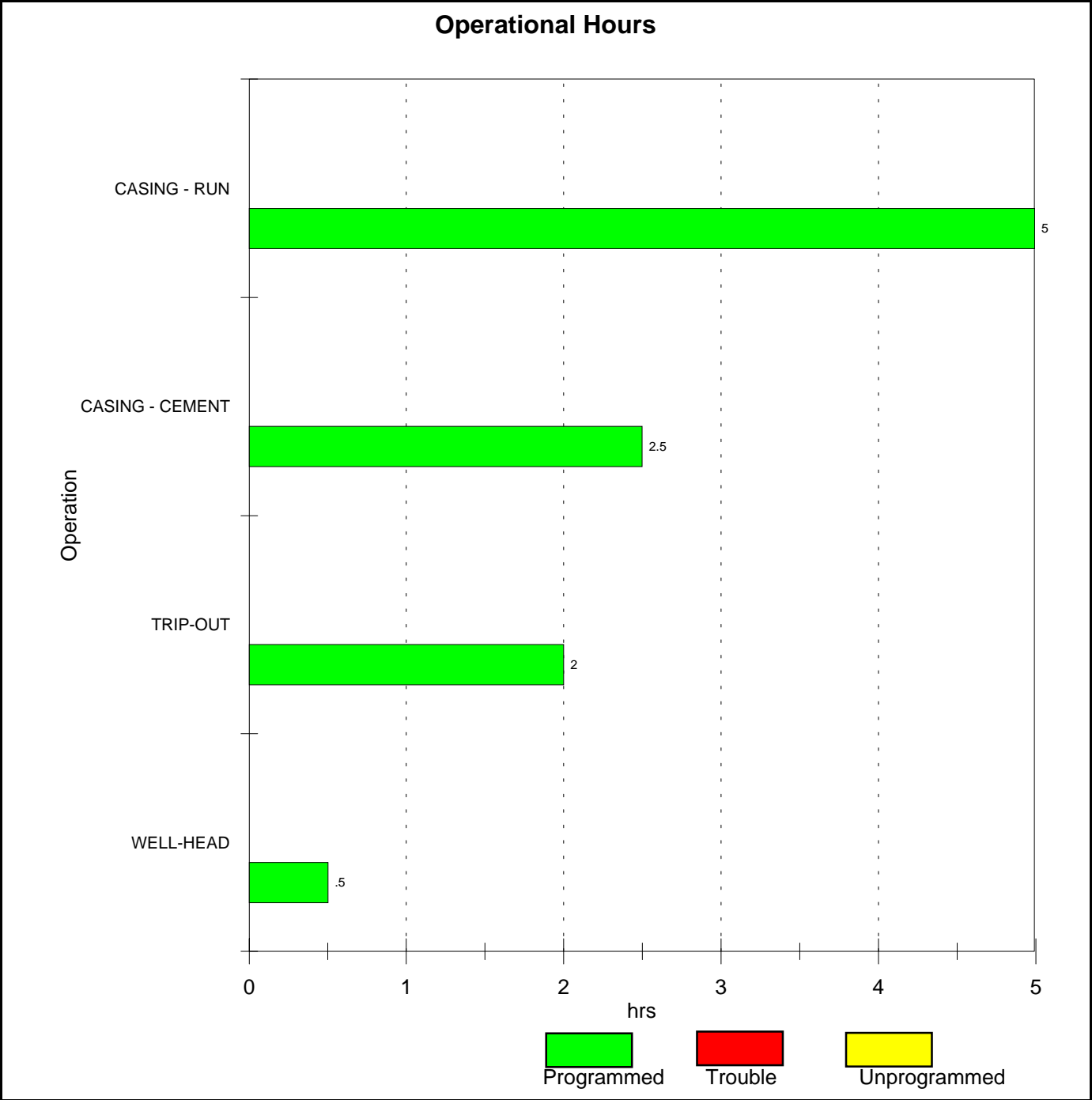
PHASE : INTERMEDIATE HOLE (1)

PROG. TIME (hrs): 9.00 TROUBLE TIME (hrs): 0.00 UNPROG. TIME (hrs): 0.00



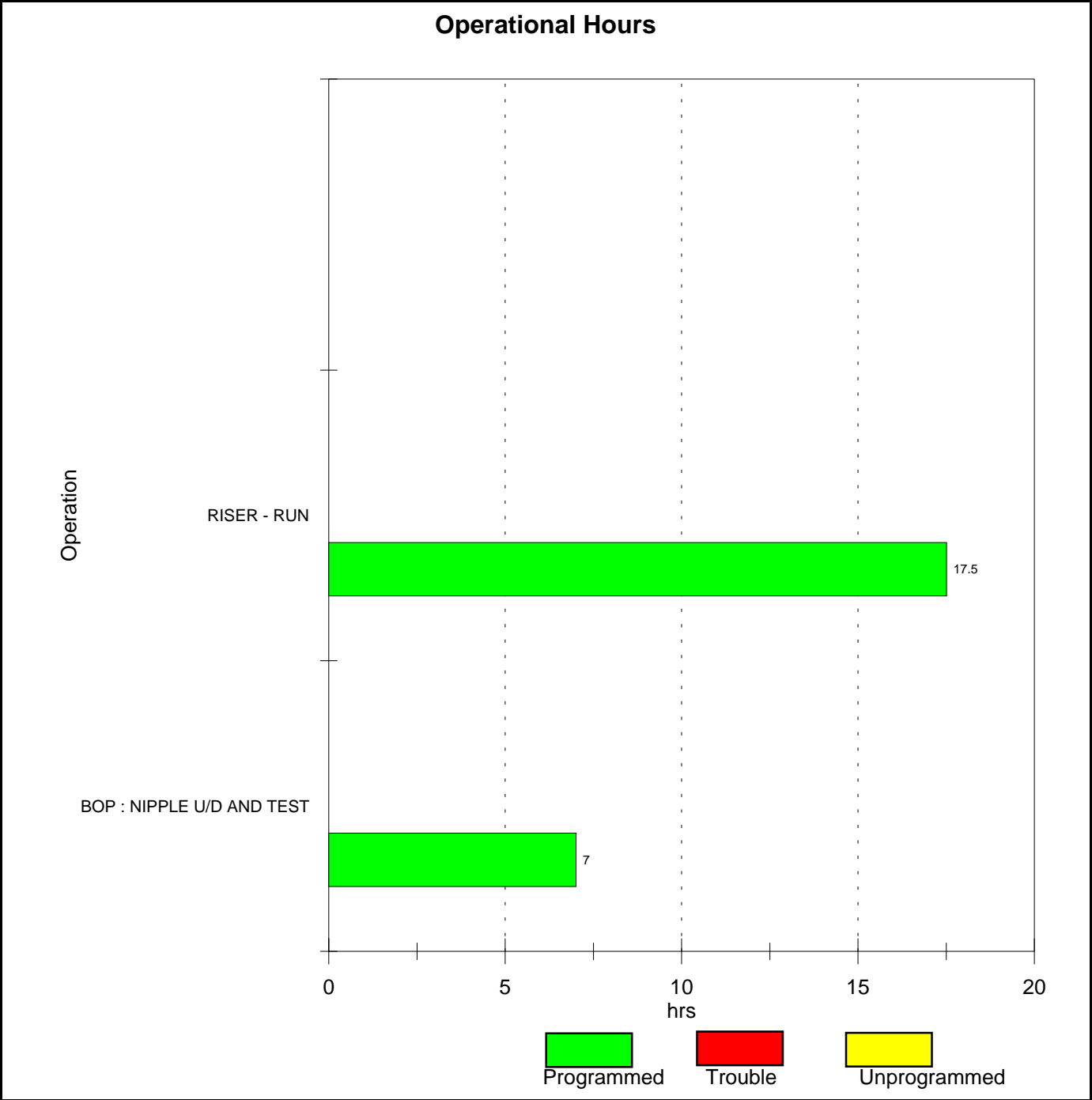
PHASE : INTERMEDIATE CASING (1)

PROG. TIME (hrs): 10.00    TROUBLE TIME (hrs): 0.00    UNPROG. TIME (hrs): 0.00



PHASE : INTERMEDIATE CASING (2)

PROG. TIME (hrs): 24.50    TROUBLE TIME (hrs): 0.00    UNPROG. TIME (hrs): 0.00

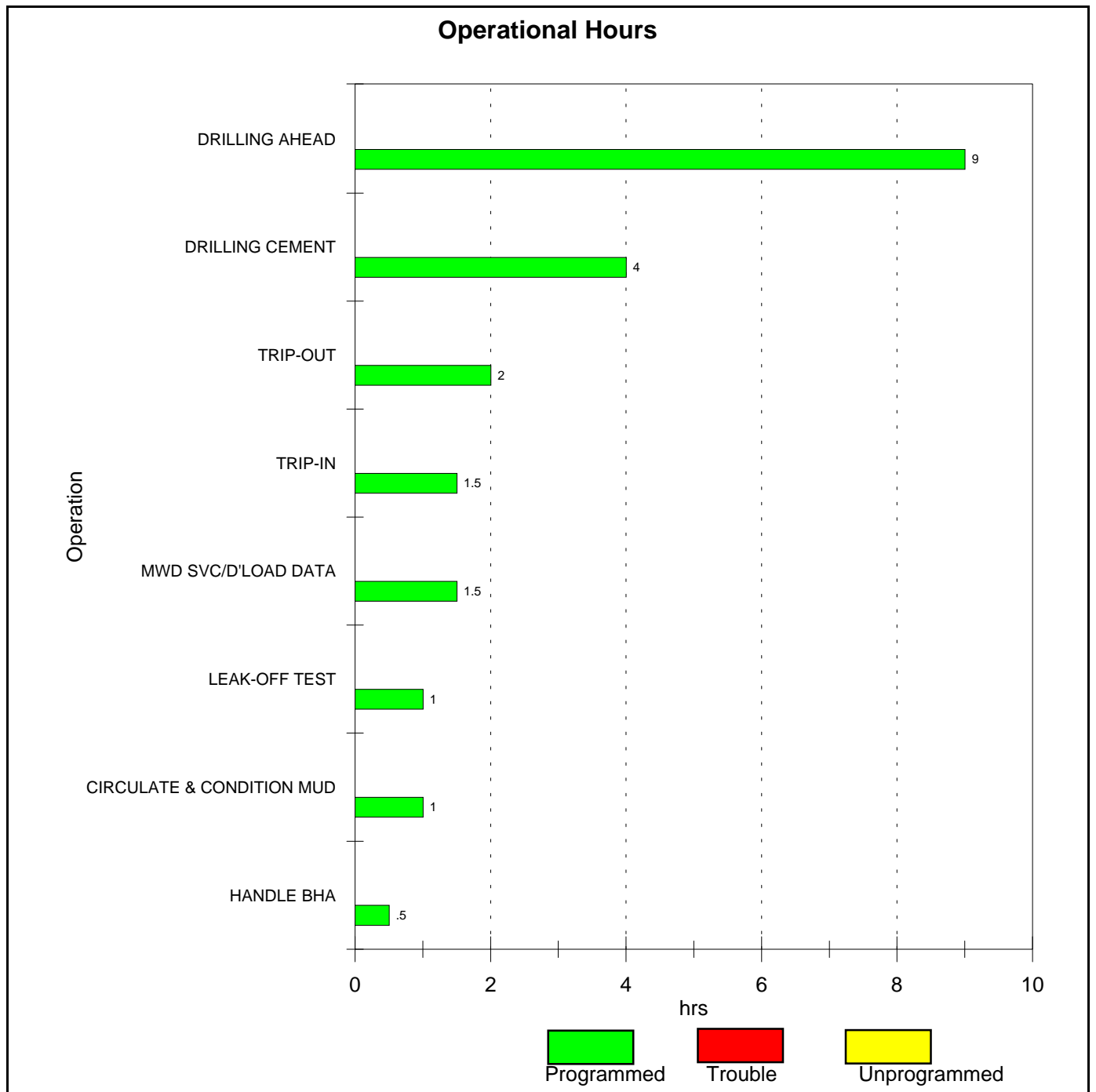


## PHASE : PRODUCTION HOLE (1)

PROG. TIME (hrs): 20.50

TROUBLE TIME (hrs): 0.00

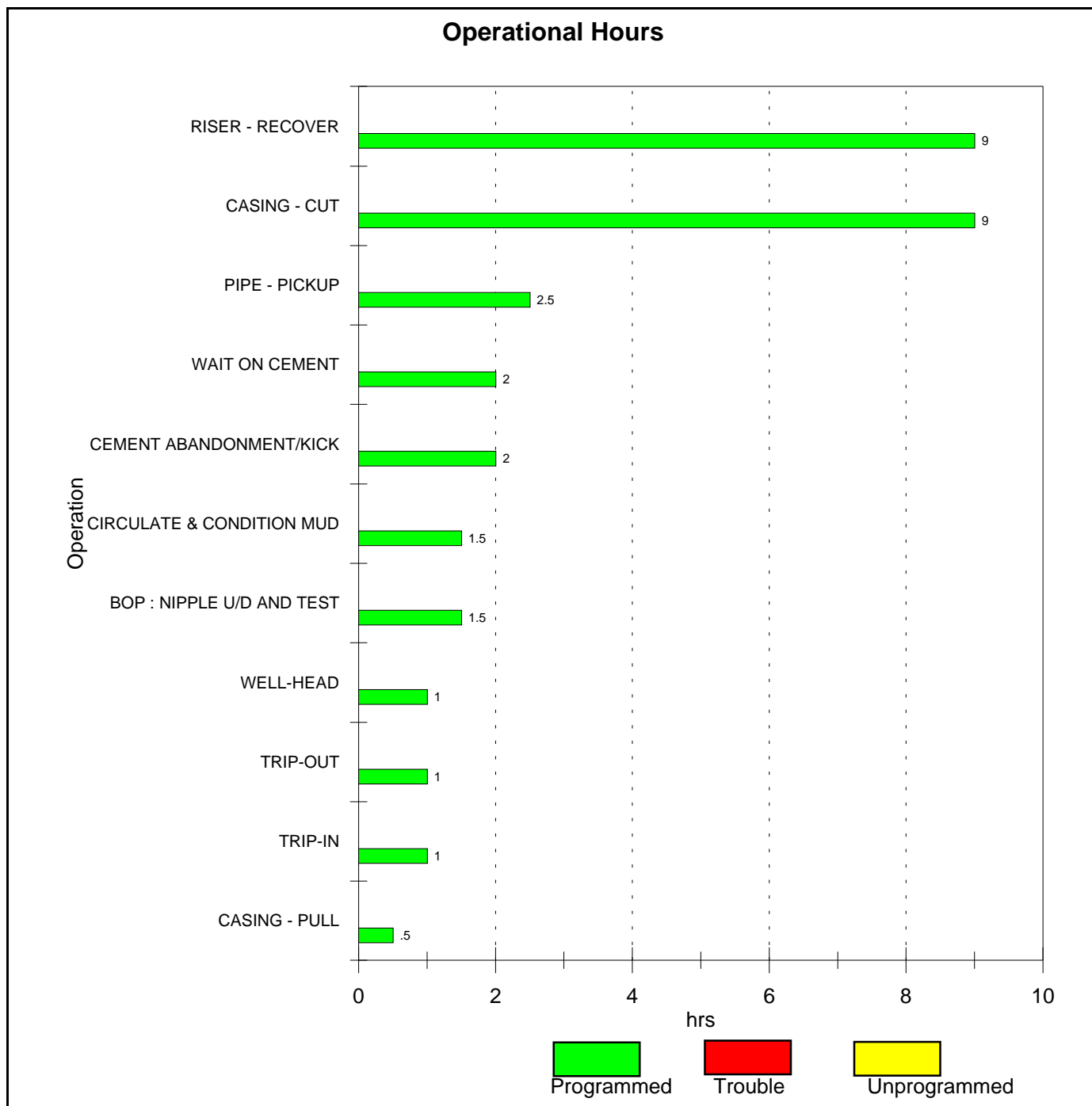
UNPROG. TIME (hrs): 0.00





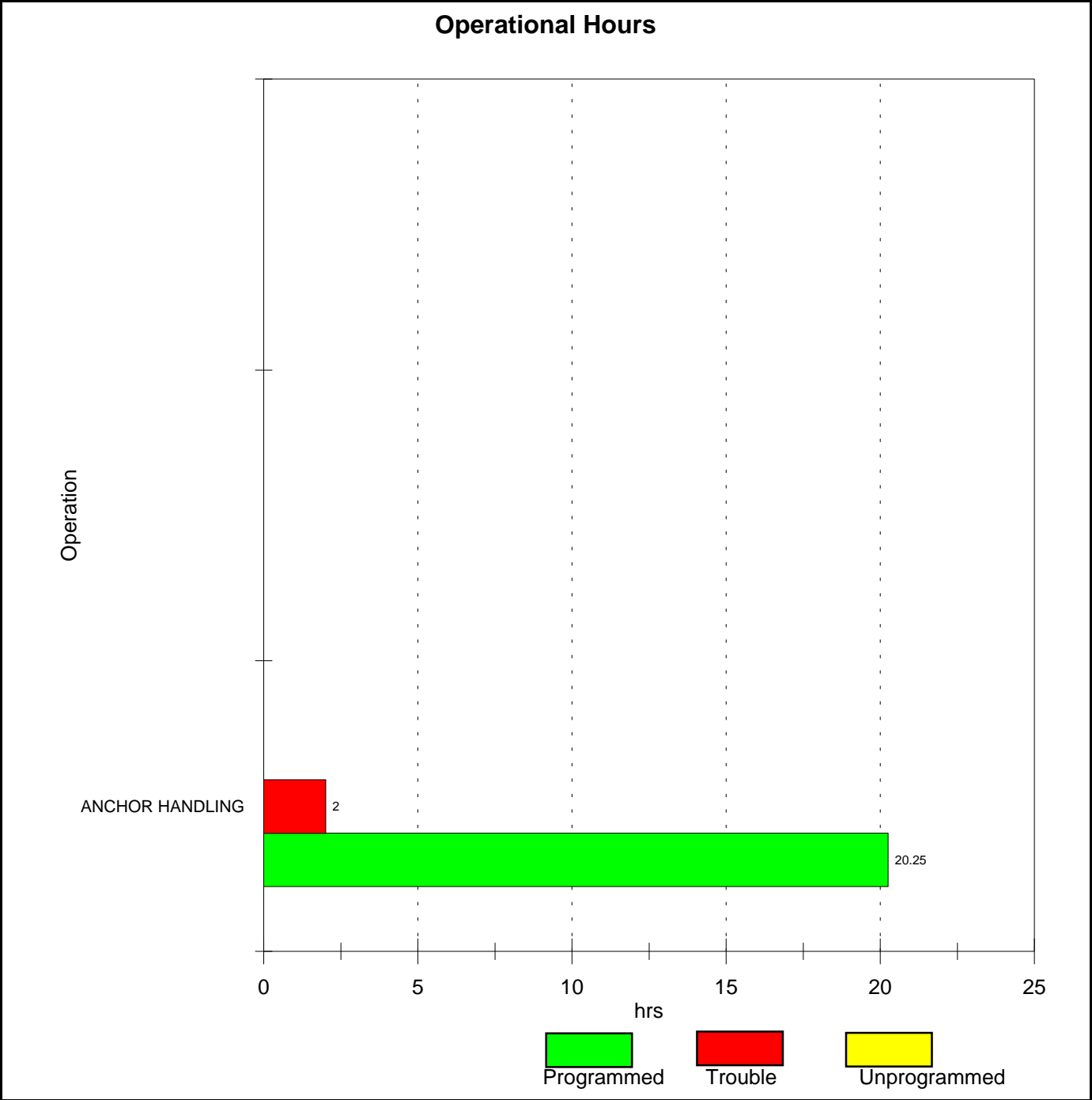
## PHASE : PLUG AND ABANDON

PROG. TIME (hrs): 31.00    TROUBLE TIME (hrs): 0.00    UNPROG. TIME (hrs): 0.00



PHASE : RIG-DOWN/MOVE OUT

PROG. TIME (hrs): 20.25    TROUBLE TIME (hrs): 2.00    UNPROG. TIME (hrs): 0.00



## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 6. Non-Productive Time Breakdown By Phase**

## TIME BREAKDOWN DATABASE Non-Productive Time Analysis (NPT)

**WELL** Northright-1  
**Drilling Co :** DIAMOND OFFSHORE  
**Rig :** OCEAN BOUNTY  
**Spud Date :** 24.04.2001  
**Total Depth :** 391  
**Final Depth :** 391

**Total Time on Well (hrs)** 165.8      **(days)** 6.91  
**Total Trouble Time (hrs)** 21.8      **(days)** 0.91  
**Trouble Time (%)** 13.12

### Total NPT Hours per Phase

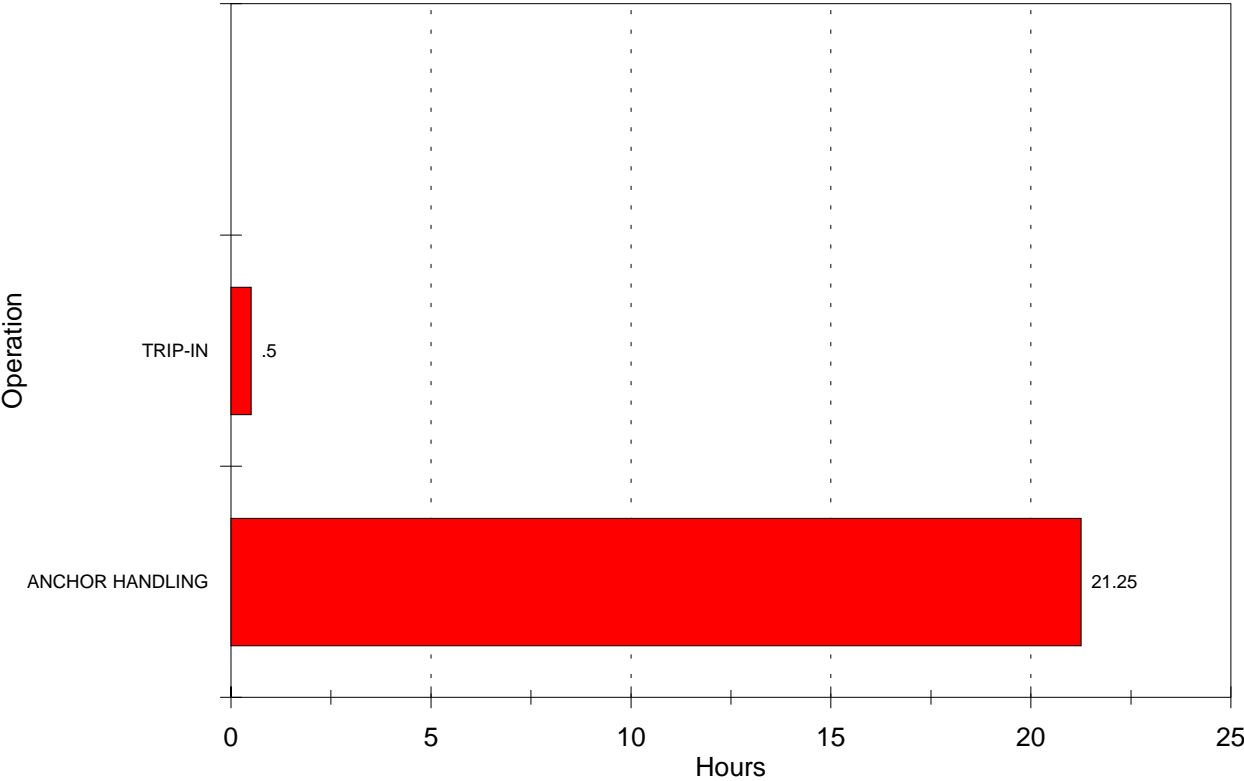
PHASE	HOURS
RIG-UP/PRESPUD	19.3
RIG-DOWN/MOVE OUT	2.0
CONDUCTOR HOLE	0.5

### NPT during programmed time

DATE	PHS	OPERATION	NPT	DEPTH	DESCRIPTION OF PROGRAMMED TROUBLE TIME
24.04.20	PS	ANCHOR HANDLING	1.8	0	PACIFIC SENTINEL ADVISED THAT IT IS UNABLE TO REPAIR STEERING PROBLEM REPORTED PRIOR TO ANCHOR DROP. ANCHOR OPERATIONS SUSPENDED.
24.04.20	PS	ANCHOR HANDLING	1.6	0	CONNECT SENTINEL TO TOW LINE. SENTINEL ON STATIC TOW. RELEASE CONQUEROR TO RUN ANCHORS
24.04.20	PS	ANCHOR HANDLING	1.8	0	ATTEMPT TO RUN ANCHOR # 7. ANCHOR UPSIDE DOWN. TURN ANCHOR AROUND
24.04.20	PS	ANCHOR HANDLING	0.3	0	#3 PENNANT TANGLED AROUND ANCHOR - FIX SAME
24.04.20	PS	ANCHOR HANDLING	1.0	0	#3 PENNANT WIRE PARTED ON CONQUEROR - ALL SAFE ON DECK. J HOOK PASSED TO CONQUEROR, ATTEMPT TO RECOVER ANCHOR #3
25.04.20	PS	ANCHOR HANDLING	0.8	0	ATTEMPT TO RECOVER ANCHOR #3. J HOOK CAME OFF CHAIN IN HEAVY WEATHER, LANDING NEAR BOAT WINCH. BOAT ADVISED SUSPENDING OPERATIONS DUE TO HEAVY WEATHER (+3 M SWELLS AND +40 KT WINDS)
25.04.20	PS	ANCHOR HANDLING	7.7	0	WAIT ON WEATHER
25.04.20	PS	ANCHOR HANDLING	2.2	0	PACIFIC CONQUEROR J HOOK # 3 CHAIN. CHAIN RECOVERED WITH NO ANCHOR. J HOOK AND PENNANT PASSED BACK TO THE RIG
25.04.20	PS	ANCHOR HANDLING	2.1	0	ATTEMPT TO RUN ANCHOR # 5 . STOPPED PAYING OUT CHAIN AT 2640' DUE TO ROCKY BOTTOM. HAUL IN FOR RE-RUN.
25.04.20	CH	TRIP-IN	0.5	0	WAIT ON ROV TO PERFORM SEABED SURVEY AND MONITOR TAGGING MUDLINE - SONAR FAILURE
01.05.20	RMO	ANCHOR HANDLING	2.0	391	REPOSITION ANCHOR #3 (NEW ANCHOR) TO ALLOW ACCESS TO ANCHOR #4 PENNANT WIRE

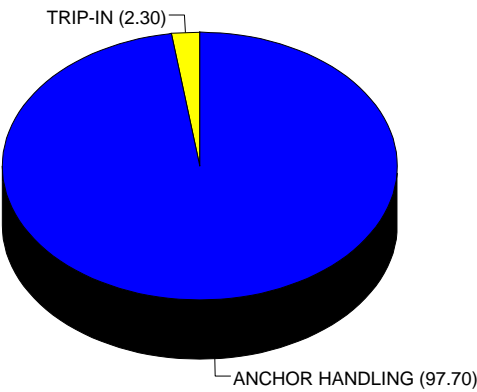
### NPT during unprogrammed time

Trouble Drilling by Operational Code



Trouble Drilling by Operational Code

OPERATION	HRS
ANCHOR HANDLING	21.3
TRIP-IN	0.5



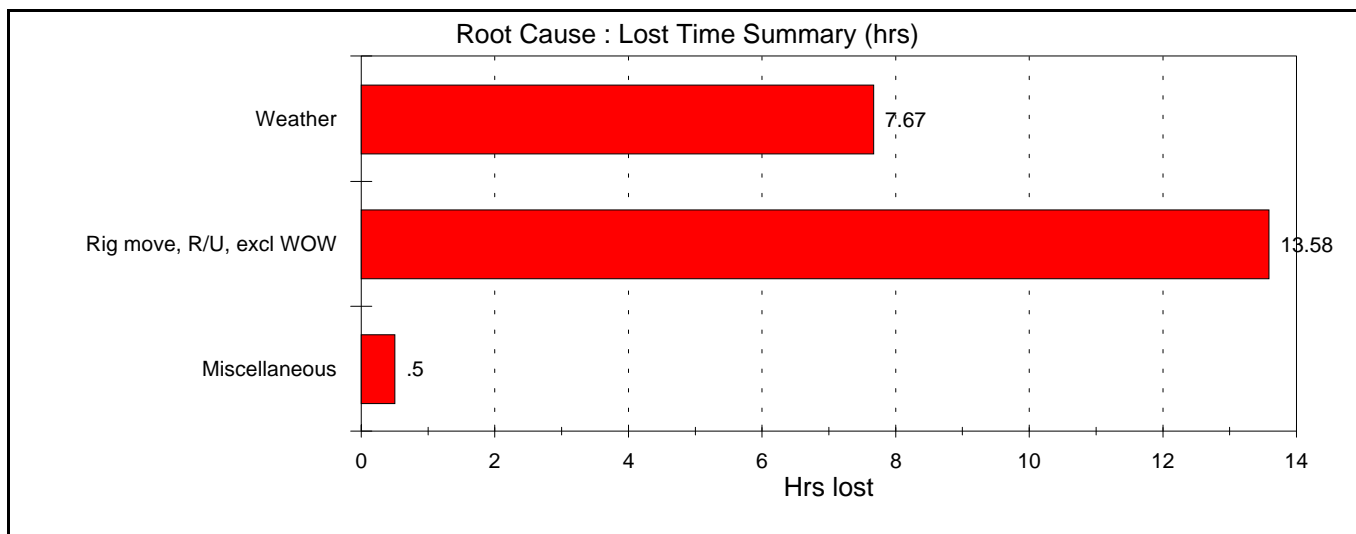
## **APPENDIX C**

### **WELL OPERATIONS SUMMARY REPORTS**

#### **Section 7. Non-Productive Time Root Cause Analysis**

# NPT : Root-Cause Analysis

WELL : Northright-1



Date	Phase	Root Cause	Operation	Depth	Description	Hrs
24.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	PACIFIC SENTINEL ADVISED THAT IT IS UNABLE TO REPAIR STEERING PROBLEM REPORTED PRIOR TO ANCHOR DROP. ANCHOR OPERATIONS SUSPENDED.	1.83
24.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	CONNECT SENTINEL TO TOW LINE. SENTINEL ON STATIC TOW. RELEASE CONQUEROR TO RUN ANCHORS	1.58
24.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	ATTEMPT TO RUN ANCHOR # 7. ANCHOR UPSIDE DOWN. TURN ANCHOR AROUND	1.75
24.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	#3 PENNANT TANGLED AROUND ANCHOR - FIX SAME	0.33
24.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	#3 PENNANT WIRE PARTED ON CONQUEROR - ALL SAFE ON DECK. J HOOK PASSED TO CONQUEROR, ATTEMPT TO RECOVER ANCHOR #3	1.00
25.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	ATTEMPT TO RECOVER ANCHOR #3. J HOOK CAME OFF CHAIN IN HEAVY WEATHER, LANDING NEAR BOAT WINCH. BOAT ADVISED SUSPENDING OPERATIONS DUE TO HEAVY WEATHER (+3 M SWELLS AND +40 KT WINDS)	0.83
25.04.2	PS	Weather	ANCHOR HANDLING	0.0	WAIT ON WEATHER	7.67
25.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	PACIFIC CONQUEROR J HOOK # 3 CHAIN. CHAIN RECOVERED WITH NO ANCHOR. J HOOK AND PENNANT PASSED BACK TO THE RIG	2.17
25.04.2	PS	Rig move, R/U, excl WOW	ANCHOR HANDLING	0.0	ATTEMPT TO RUN ANCHOR # 5 . STOPPED PAYING OUT CHAIN AT 2640' DUE TO ROCKY BOTTOM. HAUL IN FOR RE-RUN.	2.08
25.04.2	CH	Miscellaneous	TRIP-IN	0.0	WAIT ON ROV TO PERFORM SEABED SURVEY AND MONITOR TAGGING MUDLINE - SONAR FAILURE	0.50
01.05.2	RMO	Rig move, R/U, excl WOW	ANCHOR HANDLING	391.0	REPOSITION ANCHOR #3 (NEW ANCHOR) TO ALLOW ACCESS TO ANCHOR #4 PENNANT WIRE	2.00