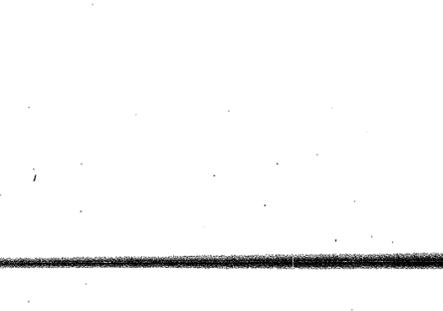
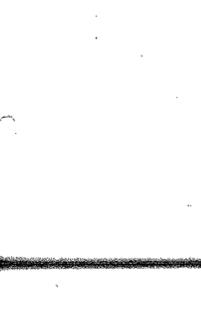
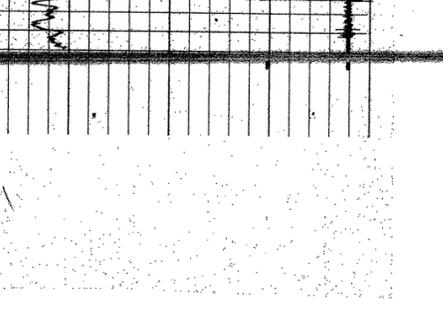
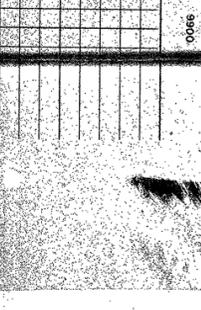
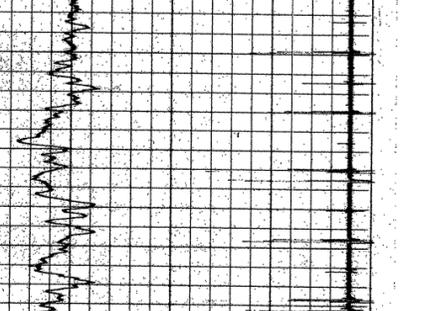
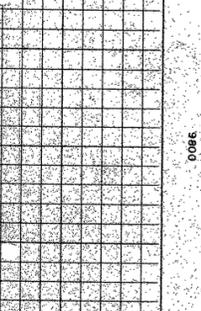
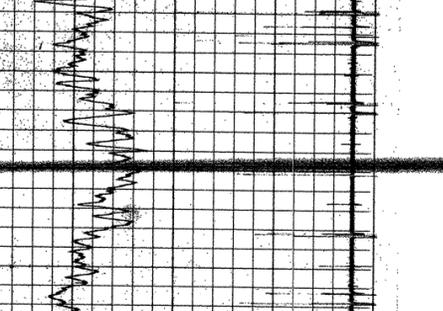
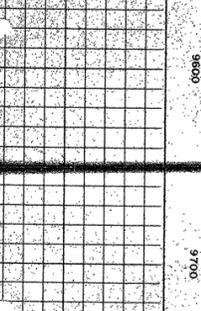
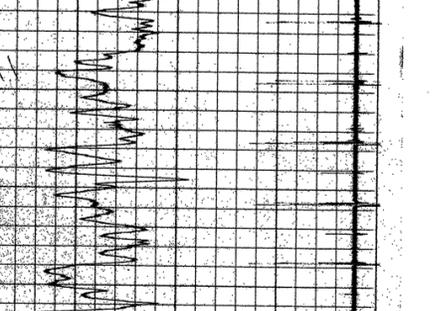
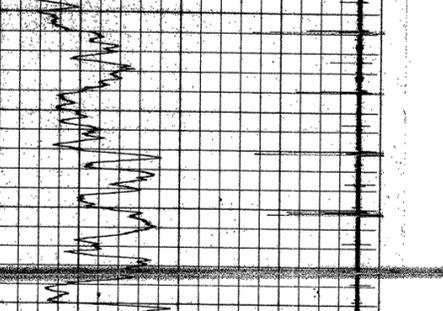
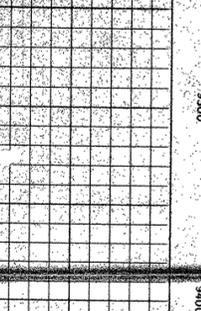
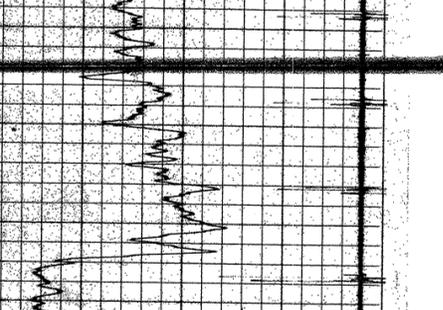
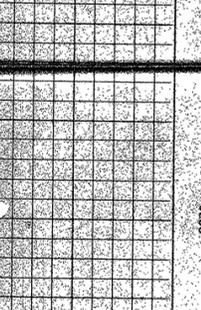
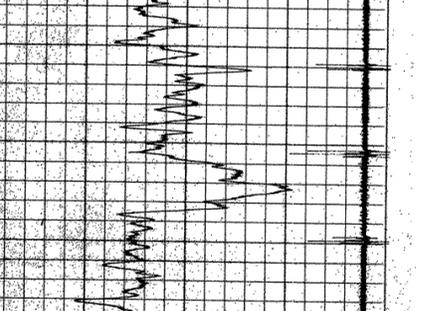
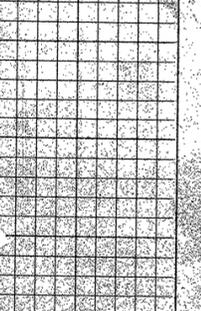
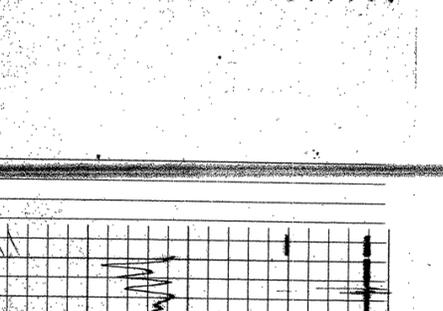
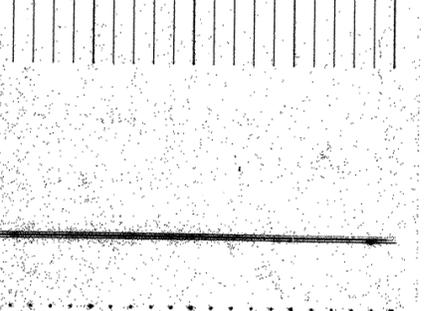
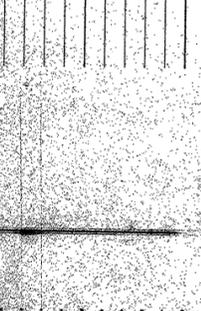
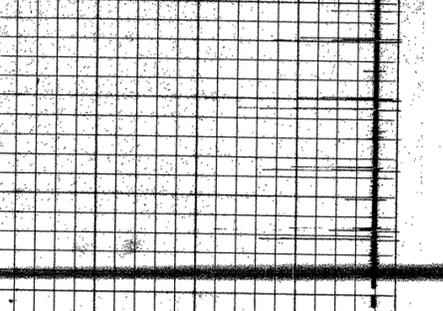
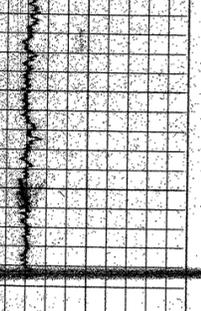
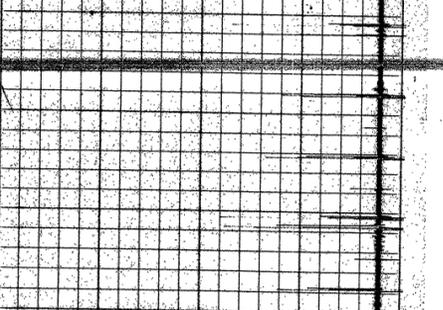
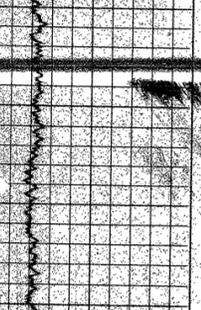
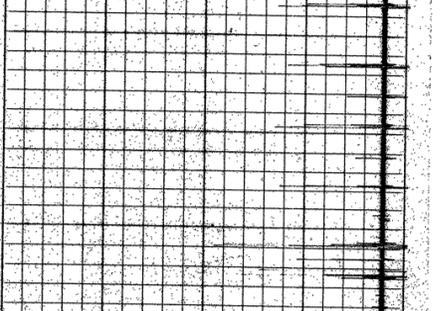
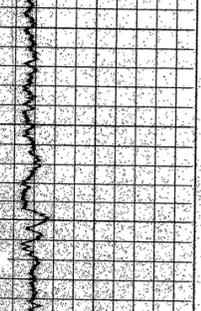
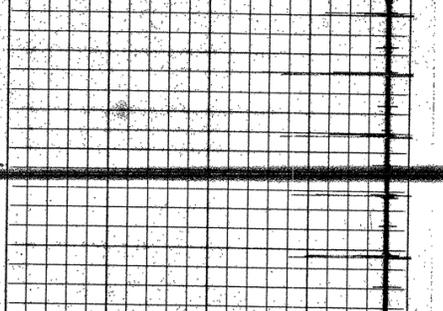
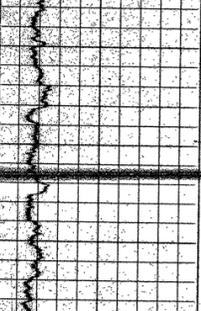
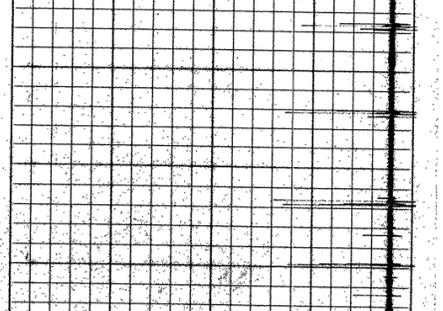
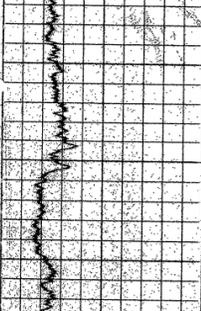
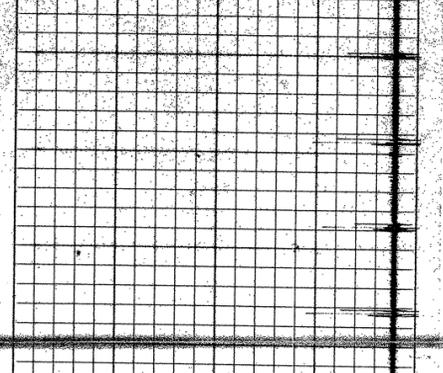
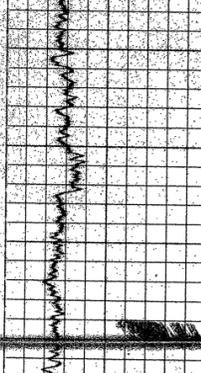


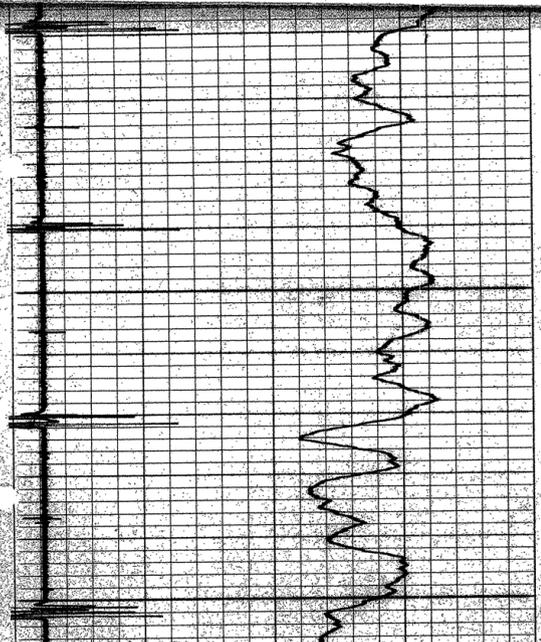
10,655

9126

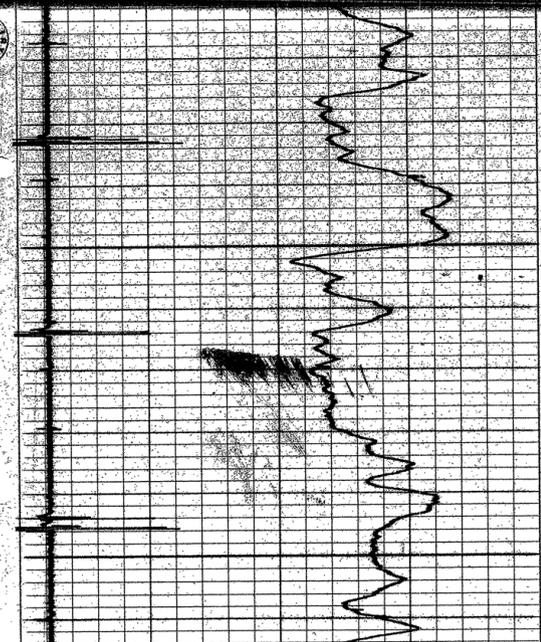
GAMMA RAY
20

NEUTRON
600

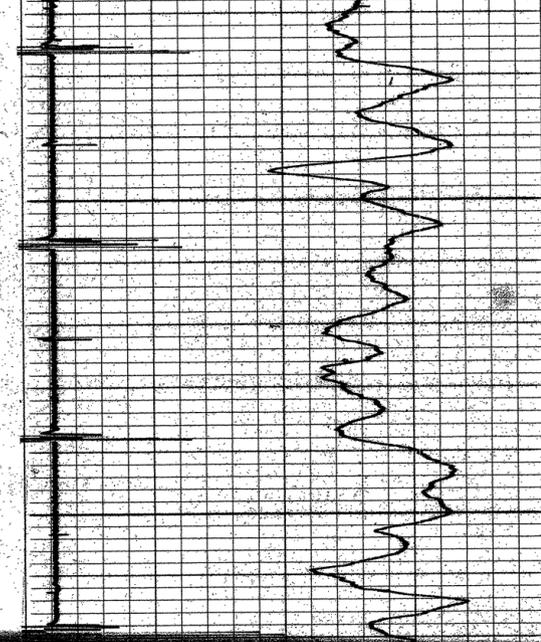




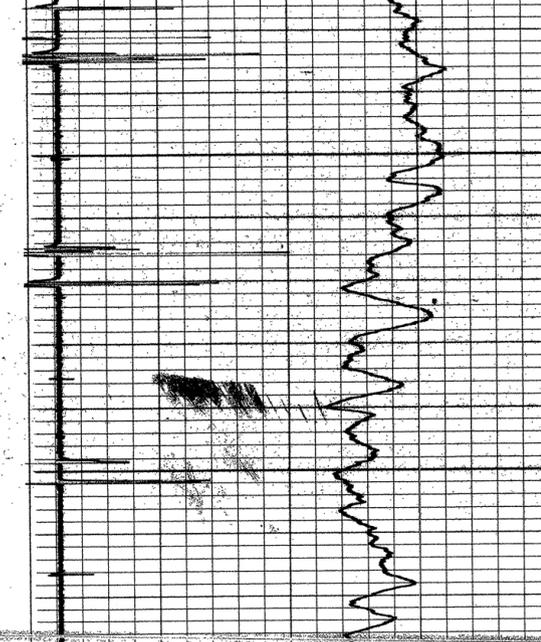
0036



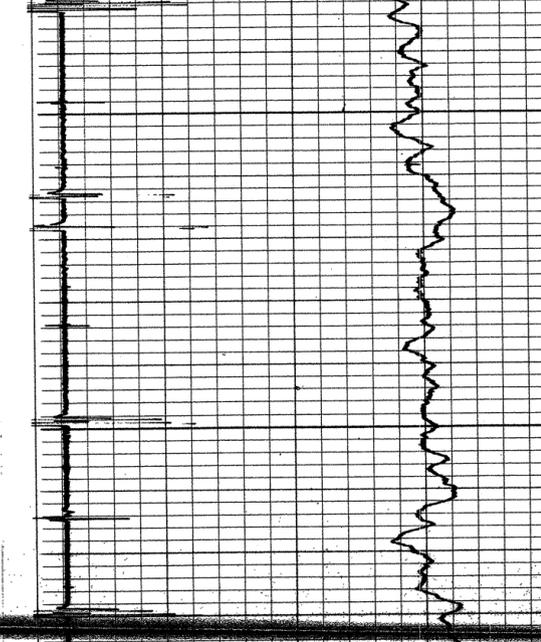
0046



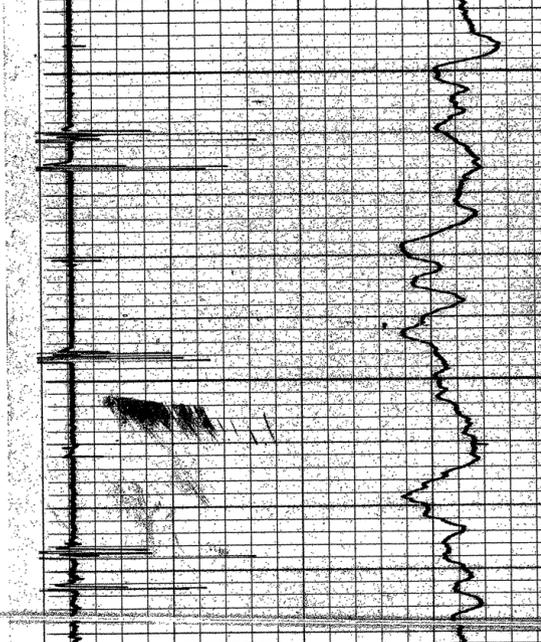
0038



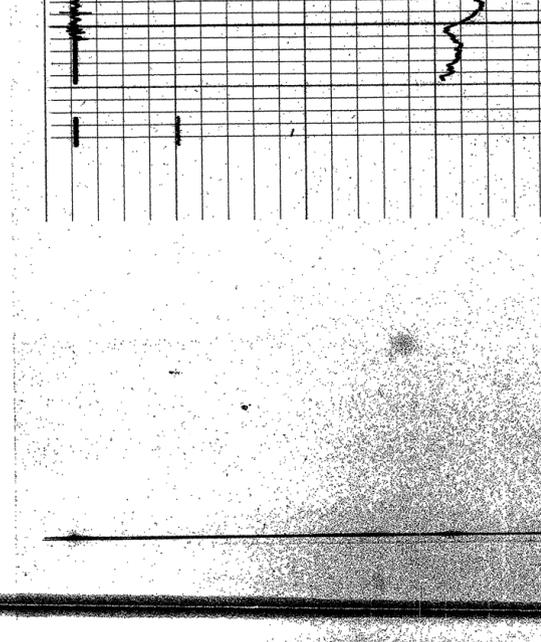
0038



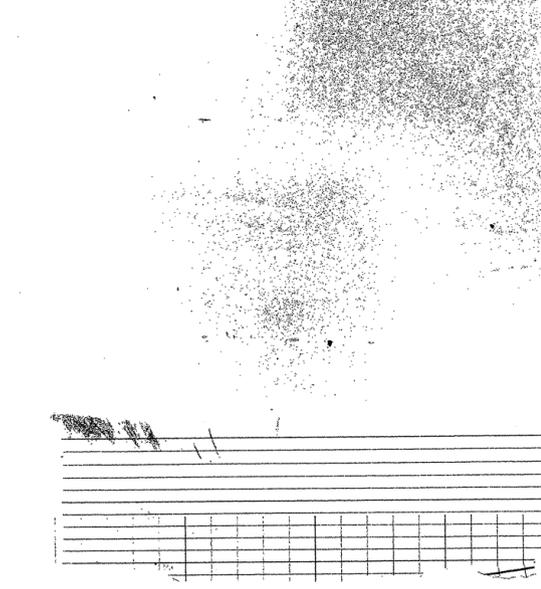
0038



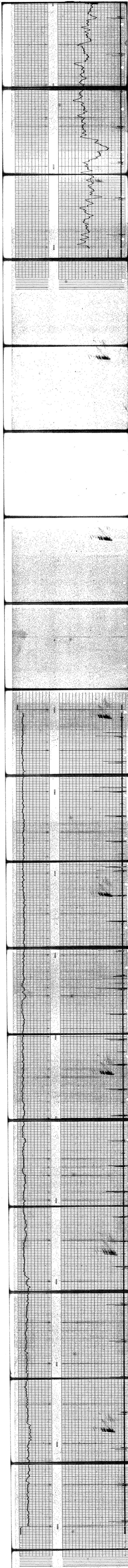
0038



0038



0038



DAILY DRILLING REPORT

REPORT NO. 86

DATE 10-15-68

OPERATOR <i>Phillips Petroleum Company</i>		LEASE <i>Cod Prospect</i>		WELL NO. <i>37</i>		FIELD OR DIST. <i>Norweig</i>		COUNTY <i>North Star</i>		STATE <i>Norway</i>					
CONTRACTOR <i>ODECO Norway Inc 10</i>		RIG NO. <i>10</i>	DRILL PIPE STRING NO. SIZE	TOOL JOINT TYPE THD.	O.D.	PUMPS NO. MANUFACTURER TYPE STROKE LENGTH		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>L. E. Rulike</i>		LAST CASING TUBING OR LINER											

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN						
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FL TR. CK.	PH	SD. CONT. %	FROM	TO	DR. D RM. R CORE-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL-S PAR'EL-P COM'D-C	
RIG UP & TEAR DOWN			SINGLES D.P.	FT.	SIZE																				
DRILLING ACTUAL			D.C.		MFG.																				
REAMING			I.D. O.D.	FT.	TYPE																				
CONDITIONING MUD & CIRCULATING			D.C.		NOZZLE NO. SIZE																				
TRIPS			I.D. O.D.	FT.	SER. NO.																				
LUBRICATE RIG			STB. BODY O.D.	FT.	DEPTH OUT																				
DEVIATION SURVEY			STB. BODY O.D.	FT.	DEPTH IN																				
TEST B.O.P.			RMR. BODY O.D.	FT.	TOTAL FTG.																				
CUT OFF DRILLING LINE			SUBS O.D.	FT.	TOTAL HR. RUN																				
REPAIR RIG			BIT OR C.B.	FT.	COND. OF BIT																				
CORING					REAMER NO.																				
WIRE LINE LOGGING					REAMER TYPE																				
RUNNING CASING & CEMENTING																									
WAITING ON CEMENT																									
DRILL STEM TEST																									
OTHER																									
FISHING																									
COMPLETION WORK																									
A. PERFORATING																									
B. TUBING TRIPS																									
C. SWABBING																									
D. TESTING																									
E. ADDITIONAL																									

2400 0930 9 1/2 Finish pulling anchors 1, 2, 3, 5, 6, 7, 8, 9

Finished with 7/12 x
0930
Oct 15, 1968

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD				FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN						
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FL TR. CK.	PH	SD. CONT. %	FROM	TO	DR. D RM. R CORE-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL-S PAR'EL-P COM'D-C	
			SINGLES D.P.	FT.	SIZE																				
			D.C.		MFG.																				
			I.D. O.D.	FT.	TYPE																				
			D.C.		NOZZLE NO. SIZE																				
			I.D. O.D.	FT.	SER. NO.																				
			STB. BODY O.D.	FT.	DEPTH OUT																				
			STB. BODY O.D.	FT.	DEPTH IN																				
			RMR. BODY O.D.	FT.	TOTAL FTG.																				
			SUBS O.D.	FT.	TOTAL HR. RUN																				
			BIT OR C.B.	FT.	COND. OF BIT																				
					REAMER NO.																				
					REAMER TYPE																				



DAILY DRILLING REPORT

REPORT NO. 24 DATE 10-13-68

OPERATOR: Phillips Pet Co
 LEASE: C.A.D. Prospect 7-11
 WELL NO.: 24
 FIELD OR DIST.: NORWEGIAN Cont Shell
 COUNTY: North Sea
 STATE: Norway

CONTRACTOR: ODECO Norway Inc
 RIG NO.: 10
 DRILL PIPE STRING: 6 7/8 O.D.
 TOOL JOINT: 5 X 11
 TYPE THD: 5 X 11

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NATIONAL	N-1300	16		20"		133	30	1239	340	1549	
2.	"	"	16		13 7/8"		68	152	6046	338	6395	
3.	B.O.	FXB	16		9 5/8"		47	281	10,162	342	10,510	

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Secher
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. McWay, L. Ruble

TIME DISTRIBUTION-HOURS	
NIGHT	DAY
RIG UP & TEAR DOWN	
DRILLING ACTUAL	
REAMING	
CONDITIONING MUD & CIRCULATING	
TRIPS	
LUBRICATE RIG	
DEVIATION SURVEY	
TEST B.O.P.	
CUT OFF DRILLING LINE	
REPAIR RIG	
CORING	
WIRE LINE LOGGING	
RUNNING CASING & CEMENTING	
WAITING ON CEMENT	
DRILL STEM TEST	
OTHER	12 12
FISHING	
COMPLETION WORK	
A. PERFORATING	
B. TUBING TRIPS	
C. SWABBING	
D. TESTING	
E. ADDITIONAL	
TOTALS	12 12

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	DR..D	TO	FORM.	ROTARY	WT. ON	PUMP	LINER	S.P.M.	LINER	S.P.M.
	SINGLES D.P.	FT.	SIZE	WISC.-SEC								7/4		7/4	
	D.C.		MFG.	W.L.-C.C.											
	I.D. O.D.	FT.	NOZZLE NO. SIZE	FLTR. CK.											
	D.C.		PH	SD. CONT. %											
	I.D. O.D.	FT.	SER. NO.	DEPTH OUT											
	STB. BODY O.D.	FT.	DEPTH IN	TOTAL FTG.											
	STB. BODY O.D.	FT.	TOTAL HR. RUN	MUD & CHEMICALS ADDED											
	RMR. BODY O.D.	FT.	COND. OF BIT	TYPE	AMT.	TYPE	AMT.								
	SUBS O.D.	FT.	REAMER NO.												
	WT. OF STRING	LBS.	REAMER TYPE												
REMARKS															

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
2400	1200	12	WAITING ON WEATHER											

WIRE LINE RECORD	
REEL NO.	
NO. OF LINES	10 SIZE 1 3/8
FEET SLIPPED	
FEET CUT OFF	94
PRESENT LENGTH	7406
TON MI. OR TRIPS SINCE LAST CUT	1350
CUMULATIVE TON MI. OR TRIPS	3500
NO. OF DAYS FROM SPUD	83
CUMULATIVE ROTATING HRS.	

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	DR..D	TO	FORM.	ROTARY	WT. ON	PUMP	LINER	S.P.M.	LINER	S.P.M.
	SINGLES D.P.	FT.	SIZE	WISC.-SEC								7/4		7/4	
	D.C.		MFG.	W.L.-C.C.											
	I.D. O.D.	FT.	NOZZLE NO. SIZE	FLTR. CK.											
	D.C.		PH	SD. CONT. %											
	I.D. O.D.	FT.	SER. NO.	DEPTH OUT											
	STB. BODY O.D.	FT.	DEPTH IN	TOTAL FTG.											
	STB. BODY O.D.	FT.	TOTAL HR. RUN	MUD & CHEMICALS ADDED											
	RMR. BODY O.D.	FT.	COND. OF BIT	TYPE	AMT.	TYPE	AMT.								
	SUBS O.D.	FT.	REAMER NO.												
	WT. OF STRING	LBS.	REAMER TYPE												
REMARKS															

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
1200	2400	12	WAIT ON WEATHER											



DAILY DRILLING REPORT

REPORT NO. 83

DATE 10-12-68

OPERATOR PHILLIPS PET CO		LEASE COD. PROSPECT 7-11		WELL NO. 28	FIELD OR DIST. NORWEGIAN CONT SHELF	COUNTY NORTH SEA	STATE NORWAY	
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5" TYPE THD. 5XH	TOOL JOINT 6 3/8" O.D.	PUMPS			REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>R. McVay</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>S.B. Ruble</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	
				1.	NATIONAL	N-1300	16	
				2.	"	N-1300	16	
				3.	G.D.	FXQ	16	
				SIZE	MAKE	WT. & GR.	NO. JOINTS	
				20"		133	30	
				13 3/4"		68	152	
				9 5/8"		47	251	
				FEET	RKB. TO CSG. HD.	SET AT	REMARKS	
				1239	340	1587		
				6046	338	6385		
				10,168	342	10510		

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN		
RIG UP & TEAR DOWN	NIGHT	DAY	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	DR..D RM..R CORE..C	CORE NO.	FROM	TO	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL-S PAR-EL-P COMD-C
DRILLING ACTUAL			SINGLES D.P.	FT.	SIZE	VISC.-SEC													
REAMING			D.C.		MFG.	W.L.-C.C.													
CONDITIONING MUD & CIRCULATING			I.D. O.D.	FT.	TYPE	FL TR. CK.													
TRIPS			D.C.		NOZZLE NO. SIZE	PH													
LUBRICATE RIG			I.D. O.D.	FT.	SER. NO.	SD. CONT. %													
DEVIATION SURVEY			STB. BODY O.D.	FT.	DEPTH OUT														
TEST B.O.P.			STB. BODY O.D.	FT.	DEPTH IN														
CUT OFF DRILLING LINE			RMR. BODY O.D.	FT.	TOTAL FTG.														
REPAIR RIG			SUBS O.D.	FT.	TOTAL HR. RUN														
CORING			BIT OR C.B.	FT.	COND. OF BIT														
WIRE LINE LOGGING			KELLY DOWN	FT.	REAMER NO.														
RUNNING CASING & CEMENTING			TOTAL	FT.	REAMER TYPE														
WAITING ON CEMENT			WT. OF STRING	LBS.	REMARKS														
DRILL STEM TEST																			
OTHER	12	12																	
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS	12	12																	
TIME SUMMARY (OFFICE USE ONLY)																			
DAY WORK																			
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
WIRE LINE RECORD																			
REEL NO.																			
NO. OF LINES	10	SIZE 1 3/8																	
FEET SLIPPED	0																		
FEET CUT OFF	94																		
PRESENT LENGTH	7406																		
TON MI. OR TRIPS SINCE LAST CUT	1350																		
CUMULATIVE TON MI. OR TRIPS	2500																		
NO. OF DAYS FROM SPUD	82																		
CUMULATIVE ROTATING HRS.																			

2400 1200 12 WAITING ON WEATHER.

Check EQP & Repair EQP.

CLEANING & PAINTING 24 HRS.

DRILLER *Uen Arndt*

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN		
RIG UP & TEAR DOWN	NIGHT	DAY	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	DR..D RM..R CORE..C	CORE NO.	FROM	TO	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL-S PAR-EL-P COMD-C
DRILLING ACTUAL			SINGLES D.P.	FT.	SIZE	VISC.-SEC													
REAMING			D.C.		MFG.	W.L.-C.C.													
CONDITIONING MUD & CIRCULATING			I.D. O.D.	FT.	TYPE	FL TR. CK.													
TRIPS			D.C.		NOZZLE NO. SIZE	PH													
LUBRICATE RIG			I.D. O.D.	FT.	SER. NO.	SD. CONT. %													
DEVIATION SURVEY			STB. BODY O.D.	FT.	DEPTH OUT														
TEST B.O.P.			STB. BODY O.D.	FT.	DEPTH IN														
CUT OFF DRILLING LINE			RMR. BODY O.D.	FT.	TOTAL FTG.														
REPAIR RIG			SUBS O.D.	FT.	TOTAL HR. RUN														
CORING			BIT OR C.B.	FT.	COND. OF BIT														
WIRE LINE LOGGING			KELLY DOWN	FT.	REAMER NO.														
RUNNING CASING & CEMENTING			TOTAL	FT.	REAMER TYPE														
WAITING ON CEMENT			WT. OF STRING	LBS.	REMARKS														
DRILL STEM TEST																			
OTHER																			
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS																			
TIME SUMMARY (OFFICE USE ONLY)																			
DAY WORK																			
HRS. W/DP																			
HRS. WO/DP																			
HRS. STANDBY																			
TOTAL DAY WORK																			
WIRE LINE RECORD																			
REEL NO.																			
NO. OF LINES																			
FEET SLIPPED																			
FEET CUT OFF																			
PRESENT LENGTH																			
TON MI. OR TRIPS SINCE LAST CUT																			
CUMULATIVE TON MI. OR TRIPS																			
NO. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			

1200 2400 12 WAIT ON WEATHER

DRILLER *Wayne Robinson*



DAILY DRILLING REPORT

REPORT NO. 76 DATE 10-5-68

OPERATOR Phillips PETE CO		LEASE C.O.D Prospect 7-11		WELL NO. 2-X	FIELD OR DIST. NORWEGIAN CONT	COUNTY Naatal. Sea	STATE Norway
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING 6 1/4 O.D.	PUMPS		REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH
				1.	NAT	N.1300	16
				2.	C.O.D	4' x 9	16
				3.			

TIME DISTRIBUTION (HOURS)	
NIGHT	DAY
RIG UP & TEAR DOWN	
DRILLING ACTUAL	
REAMING	
CONDITIONING MUD & CIRCULATING	1
TRIPS	7
LUBRICATE RIG	
DEVIATION SURVEY	
TEST B.O.P.	
CUT OFF DRILLING LINE	
REPAIR RIG	
CORING	
WIRE LINE LOGGING	5
RUNNING CASING & CEMENTING	
WAITING ON CEMENT	
DRILL STEM TEST	
OTHER	4
FISHING	
COMPLETION WORK	
A. PERFORATING	7
B. TUBING TRIPS	
C. SWABBING	
D. TESTING	
E. ADDITIONAL	

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
STANDS D.P.	FT.	BIT NO.		TIME	12 ^x	FROM	TO								
SINGLES D.P.	FT.	SIZE		WEIGHT	13.0										
D.C.		MFG.		VISC.-SEC	47										
I.D. O.D.	FT.	TYPE		W.L.-C.C.											
D.C.		NOZZLE NO.		FLTR. CK.											
I.D. O.D.	FT.	SIZE		PH											
STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %											
STB. BODY O.D.	FT.	DEPTH OUT													
RMR. BODY O.D.	FT.	DEPTH IN													
SUBS O.D.	FT.	TOTAL FTG.													
BIT OR C.B.	FT.	TOTAL HR. RUN													
KELLY DOWN	FT.	COND. OF BIT													
TOTAL	FT.	REAMER NO.													
WT. OF STRING	LBS.	REAMER TYPE													

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FROM	TO														
0000	0100	1		Circ condition mud.											
0100	0200	1		Work on Power Tools.											
0200	0900	7		P.O.D. w/ Tubing & Packer											
0900	1000	1		Handle Test Tools											
1000	1100	1		Rig up Schlumberger											
1100	1200	1		Running Mercury Model-K Cement Retainer SET-C											

TOTALS	12	12
TIME SUMMARY (OFFICE USE ONLY)		
DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		
WIRE LINE RECORD		
REEL NO.		
NO. OF LINES	10	SIZE 1 3/8
FEET SLIPPED		
FEET CUT OFF	94	
PRESENT LENGTH	7406	
TON MI. OR TRIPS SINCE LAST CUT	1125	
CUMULATIVE TON MI. OR TRIPS	3325	
NO. OF DAYS FROM SPUD	25	
CUMULATIVE ROTATING HRS.		

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
STANDS D.P.	FT.	BIT NO.		TIME		FROM	TO								
SINGLES D.P.	FT.	SIZE		WEIGHT											
D.C.		MFG.		VISC.-SEC											
I.D. O.D.	FT.	TYPE		W.L.-C.C.											
D.C.		NOZZLE NO.		FLTR. CK.											
I.D. O.D.	FT.	SIZE		PH											
STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %											
STB. BODY O.D.	FT.	DEPTH OUT													
RMR. BODY O.D.	FT.	DEPTH IN													
SUBS O.D.	FT.	TOTAL FTG.													
BIT OR C.B.	FT.	TOTAL HR. RUN													
KELLY DOWN	FT.	COND. OF BIT													
TOTAL	FT.	REAMER NO.													
WT. OF STRING	LBS.	REAMER TYPE													

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FROM	TO														
1200	2400	12		Set bridge plug @ 9912 & perforating w/ Schlumberger											



DAILY DRILLING REPORT

REPORT NO. 71 DATE 9-30-60

OPERATOR PHILLIPS PET. CO.		LEASE COD. PROSPECT 7-11		WELL NO. 2 X FIELD OR DIST. NORWEGIAN CONT SHELF COUNTY NORTH SEA STATE NORWAY	
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5" TOOL JOINT 6 3/8" O.D. TYPE THD. 5-XH	PUMPS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE E.O. Seaborn		SIGNATURE OF CONTRACTOR'S TOOL PUSHER		LAST CASING TUBING OR LINER	
				SIZE	MAKE
				WT. & GR.	NO. JOINTS
				FEET	RKB. TO CSG. HD.
				SET AT	REMARKS
				20"	133
				13 3/4"	68
				9 3/4"	47"
				1239	340
				6046	338
				10168	342
				1580	10510

TIME DISTRIBUTION-HOURS		
	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		
CONDITIONING MUD & CIRCULATING		3 1/2
TRIPS	12	5 1/2
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		3
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS	12	12

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN					
18	2 1/2" D. 6 1/2" O.D.	STANDS D.P.	FT.	BIT NO.	RR 22	TIME	12:00	FROM	TO	DR..D RM..R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SEC. PAR'EL-P COM'D-C
		SINGLES D.P.	FT.	SIZE	5 1/2"	WEIGHT	13.2								6 3/4"		6 3/4"		
		D.C.		MFG.	N.T.C.	VISC.-SEC	48												
		I.D.	O.D.	TYPE	X.C.	W.L.-C.C.	5.6												
		STB. BODY	O.D.	NOZZLE	NO. OUT	FLTR. CK.													
		STB. BODY	O.D.	SIZE		PH													
		RMR. BODY	O.D.	SER. NO.	UK 58373	SD. CONT. %													
		SUBS		DEPTH OUT															
		BIT OR C.B.	FT.	DEPTH IN															
				TOTAL FTG.															
				TOTAL HR. RUN															
				COND. OF BIT															
				REAMER NO.															
				REAMER TYPE															
				REMARKS	100% Recovery on Fish. Very slight Bending of 3 JTS tubing Below PKR - NO DAMAGE to PSI - Recorders.														
				DRILLER	Vern Aundt														

WIRE LINE RECORD		
REEL NO.		
NO. OF LINES	10	SIZE 1 1/2"
FEET SLIPPED		
FEET CUT OFF	94	
PRESENT LENGTH		
TON MI. OR TRIPS SINCE LAST CUT	775	
CUMULATIVE TON MI. OR TRIPS	2925	
NO. OF DAYS FROM SPUD	70	
CUMULATIVE ROTATING HRS.		

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN					
116	9 2/4" D. 14"	STANDS D.P.	FT.	BIT NO.	RR 22	TIME		FROM	TO	DR..D RM..R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SEC. PAR'EL-P COM'D-C
		SINGLES D.P.	FT.	SIZE	5 1/2"	WEIGHT	13.0												
		D.C.		MFG.	N.T.C.	VISC.-SEC	51												
		I.D.	O.D.	TYPE	X.C.	W.L.-C.C.													
		STB. BODY	O.D.	NOZZLE	NO. OUT	FLTR. CK.													
		STB. BODY	O.D.	SIZE		PH													
		RMR. BODY	O.D.	SER. NO.	UK 58373	SD. CONT. %													
		SUBS		DEPTH OUT															
		BIT OR C.B.	FT.	DEPTH IN															
				TOTAL FTG.															
				TOTAL HR. RUN															
				COND. OF BIT															
				REAMER NO.															
				REAMER TYPE															
				REMARKS	Finish going in hole & Pick up 20 dts D.P. Cir @ 10350' Spot 25 bbl salt water @ 10350' P.O.O.H. Lay down 20 dts D.P. Rig up Schlumberger & running bridge plug with Retainer Mercury mod. "K" set at 10352'														
				DRILLER	Robert E. McWay														



DAILY DRILLING REPORT

REPORT NO. 70 DATE 9-29-68

OPERATOR: PHILLIPS PET. CO. LEASE: COD. PROSPECT 7-11
 CONTRACTOR: ODECO NORWAY INC. RIG NO. 70
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. ... SIGNATURE OF CONTRACTOR'S TOOL PUSHER: ...
 WELL NO. 2X NORWEGIAN CONT SHELF COUNTY NORTH SEA STATE NORWAY
 PUMPS: NATIONAL N-1300 16, G.D. FXQ 16
 LAST CASING TUBING OR LINER: 20", 133", 68", 47"
 SIZE: 133", 152", 251"
 WT. & GR. NO. JOINTS: 1247, 6046, 10168
 FEET: 340, 338, 342
 SET AT: 1587, 6385, 10510

TIME DISTRIBUTION-HOURS

ACTIVITY	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		
CONDITIONING MUD & CIRCULATING		
TRIPS	2	7
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING	5	
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER	5	5
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

DRILLING ASSEMBLY AT END OF TOUR

NO.	STANDS D.P.	FT.	BIT NO.	TIME
	SINGLES D.P.	FT.	SIZE	WEIGHT
	D.C.		MFG.	VISC.-SEC
	I.D. O.D.	FT.	TYPE	W.L.-C.C.
	D.C.		NOZZLE NO. SIZE	FLTR. CK.
	I.D. O.D.	FT.	SER. NO.	PH
	STB. BODY O.D.	FT.	DEPTH OUT	SD. CONT. %
	STB. BODY O.D.	FT.	DEPTH IN	
	RMR. BODY O.D.	FT.	TOTAL FTG.	
	SUBS O.D.	FT.	TOTAL HR. RUN	
	BIT OR C.B.	FT.	COND. OF BIT	
	KELLY DOWN	FT.	REAMER NO.	
	TOTAL	FT.	REAMER TYPE	
	WT. OF STRING	LBS.		

REMARKS: Fish 401'

DRILLER: Dean Arndt

FOOTAGE

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0430	4 1/2	RIG UP LOGGERS, LOGGERS CHECKING FOR FLUID LEVEL & FOR DEPTH OF TOP OF FISH.
0430	0500	1/2	RIG DOWN LOGGERS
0500	0700	2	DRESS OVERSHOT, PICK UP DC & STAND BACK IN DERRICK
0700	1200	5	TRYING TO STAB PARTED MUD RISER.

WIRE LINE RECORD

REEL NO.	
NO. OF LINES	10
SIZE	1 1/2"
FEET SLIPPED	
FEET CUT OFF	6
PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT	405
CUMULATIVE TON MI. OR TRIPS	405
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

DRILLING ASSEMBLY AT END OF TOUR

NO.	STANDS D.P.	FT.	BIT NO.	TIME
9	SINGLES D.P.	281.56	SIZE	WEIGHT
	D.C.		MFG.	VISC.-SEC
	I.D. O.D.		TYPE	W.L.-C.C.
	D.C.		NOZZLE NO. SIZE	FLTR. CK.
	I.D. O.D.	15.72	SER. NO.	PH
	STB. BODY O.D.		DEPTH OUT	SD. CONT. %
	STB. BODY O.D.		DEPTH IN	
	RMR. BODY O.D.		TOTAL FTG.	
	SUBS O.D.	4.02	TOTAL HR. RUN	
	BIT OR C.B.		COND. OF BIT	
	KELLY DOWN	31.00	REAMER NO.	
	TOTAL	1008.63	REAMER TYPE	
	WT. OF STRING	180,000		

REMARKS: Fish Length 401'

DRILLER: Wayne Robinson

FOOTAGE

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1700	5	Pick up DC + STABILIZERS RUN THROUGH PARTED MUD RISER, STAB MUD RISER AND REPAIR Pull DC Lay Down STABILIZERS.
1700	1900	2	DRESS OVERSHOT MAKEUP SAME Pick up 2-64 DC
1900	24	5	Run in Hole MEASURE PIPE Pick up 20 singles To Top of FISH



DAILY DRILLING REPORT

REPORT NO. 69

DATE 9/28/68

OPERATOR **Phillips Pet. Co** LEASE **Cod Prospect** 7/11

CONTRACTOR **Oreco Norway Inc** RIG NO. **10** DRILL PIPE STRING **6 7/8 O.D.** WELL NO. **2-X** FIELD OR DIST. **Norwegian Con. Shelf** COUNTY **North Sea** STATE **Norway**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **E.O. Seaburn** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **M. McEnty**

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	Nat.	N-1300	16"
2.	Nat.	" "	16"
3.	G.D.	FXG	16"

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO			ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	LINEAR SIZE				S.P.M.	LINEAR SIZE	
RIG UP & TEAR DOWN																					
DRILLING ACTUAL																					
REAMING																					
CONDITIONING MUD & CIRCULATING																					
TRIPS	9																				
LUBRICATE RIG																					
DEVIATION SURVEY																					
TEST B.O.P.																					
CUT OFF DRILLING LINE																					
REPAIR RIG	1 1/2																				
CORING																					
WIRE LINE LOGGING																					
RUNNING CASING & CEMENTING																					
WAITING ON CEMENT																					
DRILL STEM TEST																					
OTHER	1 1/2																				
FISHING																					
COMPLETION WORK																					
A. PERFORATING																					
B. TUBING TRIPS																					
C. SWABBING																					
D. TESTING																					
E. ADDITIONAL																					
TOTALS																					

DRILLER **V. Arndt**

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO			ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	LINEAR SIZE				S.P.M.	LINEAR SIZE	
DRILLING ACTUAL																					
REAMING																					
CONDITIONING MUD & CIRCULATING																					
TRIPS																					
LUBRICATE RIG																					
DEVIATION SURVEY																					
TEST B.O.P.																					
CUT OFF DRILLING LINE																					
REPAIR RIG																					
CORING																					
WIRE LINE LOGGING																					
RUNNING CASING & CEMENTING																					
WAITING ON CEMENT																					
DRILL STEM TEST																					
OTHER																					
FISHING																					
COMPLETION WORK																					
A. PERFORATING																					
B. TUBING TRIPS																					
C. SWABBING																					
D. TESTING																					
E. ADDITIONAL																					
TOTALS																					

DRILLER **Wayne Robinson**



DAILY DRILLING REPORT

REPORT NO. 67

DATE 9-26-68

OPERATOR PHILLIPS PET. Co.		LEASE COD. PROSPECT 7-11		WELL NO. 2-X	FIELD OR DIST. NORWEGIAN CONT SHELF	COUNTY NORTH SEA	STATE NORWAY	
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5"	TOOL JOINT 6 3/4" O.D.	PUMPS			REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Seaburn</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>M.M. Gentry</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	
				1.	NATIONAL	N-1500	16"	
				2.	"	N-1500	16"	
				3.	G.I.D.	FXQ	16"	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SEL- PAR-EL-P COM'D-C
			SINGLES D.P.	FT.	MFG.		VISC.-SEC													
			D.C.	FT.	NOZZLE NO.	NO.	FL.TR. CK.													
			I.D. O.D.	FT.	SIZE		PH													
			STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %													
			STB. BODY O.D.	FT.	DEPTH OUT															
			RMR. BODY O.D.	FT.	DEPTH IN															
			SUBS O.D.	FT.	TOTAL FTG.															
			BIT OR C.B.	FT.	TOTAL HR. RUN															
			KELLY DOWN	FT.	COND. OF BIT															
			TOTAL	FT.	REAMER NO.															
			WT. OF STRING	LBS.	REAMER TYPE															
			REMARKS																	
			DRILLER <i>V. Arndt</i>																	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SEL- PAR-EL-P COM'D-C
			SINGLES D.P.	FT.	MFG.		VISC.-SEC													
			D.C.	FT.	NOZZLE NO.	NO.	FL.TR. CK.													
			I.D. O.D.	FT.	SIZE		PH													
			STB. BODY O.D.	FT.	SER. NO.		SD. CONT. %													
			STB. BODY O.D.	FT.	DEPTH OUT															
			RMR. BODY O.D.	FT.	DEPTH IN															
			SUBS O.D.	FT.	TOTAL FTG.															
			BIT OR C.B.	FT.	TOTAL HR. RUN															
			KELLY DOWN	FT.	COND. OF BIT															
			TOTAL	FT.	REAMER NO.															
			WT. OF STRING	LBS.	REAMER TYPE															
			REMARKS																	
			<p>Test started 1557 Hrs Sept 26, 1968 = Bot. Recorder B.J. set at 10429' TOP BS 10454' (PKR 10355')</p> <p>Leutert 10429' RKB.</p> <p>INITIAL FLOW 10 min (1557 to 1607) Choke 1 1/2" PSI 0 - Temp. NO Reading 400 BAR Load oil</p> <p>IN/Sl 3:38 min Choke NONE PSI 3 up 1974 - Temp no reading</p> <p>From 1945 Hrs unloading log. 1 to 2 BPH Rate.</p>																	
			DRILLER <i>Wayne Robinson</i>																	



DAILY DRILLING REPORT

REPORT NO. 66 DATE 9-25-69

OPERATOR PHILLIPS PET. CO.		LEASE COO PROSPECT 7-11		WELL NO. 2X	FIELD OR DIST. NORWEGIAN CONT SHELF	COUNTY NORTH SEA	STATE NORWAY
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING 6 1/2" O.D.	PUMPS		NO. JOINTS	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Seaman</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>R. Buckley</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH
				1.	NAT	N-1700	16
				2.	"	N-1700	16
				3.	A.D.	FXC	16

TIME DISTRIBUTION-HOURS		
NIGHT	DAY	
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		
CONDITIONING MUD & CIRCULATING	2	
TRIPS	8	5 1/2
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		3 1/2
RUNNING CASING & CEMENTING	2	
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		1
FISHING		

NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																	
SINGLES D.P.		FT.		SIZE		WEIGHT																					
D.C.				MFG.		VISC.-SEC																					
I.D. O.D.		FT.		TYPE		W.L.-C.C.																					
D.C.				NOZZLE NO.		FLTR. CK.																					
I.D. O.D.		FT.		SIZE		PH																					
STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %																					
STB. BODY O.D.		FT.		DEPTH OUT																							
RMR. BODY O.D.		FT.		DEPTH IN																							
SUBS O.D.		FT.		TOTAL FTG.																							
BIT OR C.B.		FT.		TOTAL HR. RUN																							
KELLY DOWN		FT.		COND. OF BIT																							
TOTAL		FT.		REAMER NO.																							
WT. OF STRING		LBS.		REAMER TYPE																							
REMARKS																											

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																							
FROM	TO																										
2400	0600	6		RUN IN HOLE SLOW w/ BAKER SNAP LATCH STINGER & STABBED SAME IN CMT. RETAINER																							
				① 10,487'																							
0600	0800	2		RIG TO SQUEEZE & SQUEEZED 4 BBLS INTO (30cm + 1 BBL water) FORMATION.																							
0800	0900	1		REVERSED OUT 4 BBLS.																							
0900	1000	1		CIRC & COND. MUD.																							
1000	1200	2		PULLING OUT, LAYED DOWN 30 d.T.S.																							
PRE MOD'K "mercury set 10487"																											
SQZ PSI 3000 PSI 1/4 BBL PER MIN. AT 3500 PSI 1/4 BBL PER MIN.																											
Pumped 1 BBL water & 3 amt into formation. Shut dn																											

COMPLETION WORK		A. PERFORATING		B. TUBING TRIPS		C. SWABBING		D. TESTING		E. ADDITIONAL	
TOTALS		12		12							
TIME SUMMARY (OFFICE USE ONLY)											
DAY WORK											
HRS. W/DP											
HRS. WO/DP											
HRS. STANDBY											
TOTAL DAY WORK											
WIRE LINE RECORD											
REEL NO.											
NO. OF LINES 10 SIZE 3/4											
FEET SLIPPED											
FEET CUT OFF 94'											
PRESENT LENGTH 7406											
TON MI. OR TRIPS SINCE LAST CUT 0											
CUMULATIVE TON MI. OR TRIPS 0											
NO. OF DAYS FROM SPUD 63											
CUMULATIVE ROTATING HRS.											

NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO.		PUMP NO.		METHOD RUN	
STANDS D.P.		FT.		BIT NO.		TIME		FROM		TO																	
SINGLES D.P.		FT.		SIZE		WEIGHT																					
D.C.				MFG.		VISC.-SEC																					
I.D. O.D.		FT.		TYPE		W.L.-C.C.																					
D.C.				NOZZLE NO.		FLTR. CK.																					
I.D. O.D.		FT.		SIZE		PH																					
STB. BODY O.D.		FT.		SER. NO.		SD. CONT. %																					
STB. BODY O.D.		FT.		DEPTH OUT																							
RMR. BODY O.D.		FT.		DEPTH IN																							
SUBS O.D.		FT.		TOTAL FTG.																							
BIT OR C.B.		FT.		TOTAL HR. RUN																							
KELLY DOWN		FT.		COND. OF BIT																							
TOTAL		FT.		REAMER NO.																							
WT. OF STRING		LBS.		REAMER TYPE																							
REMARKS																											

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																							
FROM	TO																										
1200	1630	4 1/2		PULL OUT OF HOLE																							
1630	1730	1		SKIP AND CUT DRILLING LINE																							
1730	1830	1		RUN IN RETRIEVE BORE PROTECTOR																							
1830	1900	1/2		RIG UP SCLHUMBERGER																							
1900	2100	5		PERFORATE CASING AT #1 FROM 10452 TO 10472																							
MISFIRE FROM 10421 TO 10426																											
SHOT NO 2 FROM 10388 TO 10413																											
SHOT NO 3 FROM 10421 TO 10436																											
4 shots per ft. 4" shaped charge carrier																											



DAILY DRILLING REPORT

REPORT NO. 64

DATE 9-23-68

OPERATOR Phillips PETE CO.		LEASE C.O.D. Prospect 7-11		WELL NO. 2X	FIELD OR DIST. NORWEGIAN CONT. SHEL	COUNTY NORTH SEA	STATE NORWAY
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING 1 5	TOOL JOINT 6 1/4	O.D. X 1/4	PUMPS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE E.O. Seaburn		SIGNATURE OF CONTRACTOR'S TOOL PUSHER Almending & Ed Little		NO.	MANUFACTURER	TYPE	STROKE LENGTH
				1.	NATIONAL	1300	16
				2.	G.I.	4 1/2	16
				3.			

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN			
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR...D RM..R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN S.G.L. PAR'EL-P COM'D-C
			114	1	10138.90	R.R. 24	0600	13.1										
			9	1	278.99	8 1/2	0600	68										
				1	1600	XV												
				1	490													
				2	6.01													
				1	1.00													
				1	3.62													
					55.00													
				TOTAL	310.29													
				WT. OF STRING	10504													
REMARKS			<p>0000- 0200 2. Strap & Pick up 5" Drill Pipe</p> <p>0200 0730 5 1/2. Drill out top plug & wiper plug - about collar.</p> <p>0730 1100 3 1/2. Pull out of hole.</p> <p>1100 1200 1. Rig up SCHUMBERGER To log</p> <p>PLUG 10463 Drill top & Bot Plug & FC = 10.466 to 10506' NO CMT.</p>															

TIME SUMMARY (OFFICE USE ONLY)			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN			
DAY WORK	HRS. W/DP	HRS. WO/DP	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR...D RM..R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN S.G.L. PAR'EL-P COM'D-C
			114	1	10138.90													
			9	1	278.99													
				1	1600													
				1	490													
				2	6.01													
				1	1.00													
				1	3.62													
					55.00													
				TOTAL	10504													
				WT. OF STRING	10504													
REMARKS			<p>12:00 13:30 1/2 Rig up SCHUMBERGER</p> <p>13:30 16:30 4 Run Bond Log CCL & GAMMA 10500 to 2750'</p> <p>16:30 17:30 1 TEAR OUT SCHUMBERGER</p> <p>17:30 18:00 1/2 Rig To Run TUBRING</p> <p>18:00 20:00 2 Run TUBRING & STAND BACK IN DERRICK</p> <p>20:00 21:00 1 1/2 PRESSURE TEST CAS. To 2100 Psi. MAKE UP TUBRING TEST</p> <p>21:00 24:00 3 hrs Pick up TUBRING</p>															



DAILY DRILLING REPORT

REPORT NO. 62 DATE 9-21-68

OPERATOR <i>Phillips PETE, C.O.</i>		LEASE <i>C.O.D. Prospect 7-11</i>		WELL NO. <i>12X</i>	FIELD OR DIST. <i>NORWEGIAN CONT SELF</i>	COUNTY <i>NORTH SEA</i>	STATE <i>Norway</i>	
CONTRACTOR		RIG NO. <i>10</i>	DRILL PIPE STRING NO. <i>1</i> SIZE <i>5</i>	TOOL JOINT <i>6 1/4 O.D.</i>	PUMPS			REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>L.E. Gollin</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>R. Buckley</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	
				<i>1</i>	<i>NAT.</i>	<i>1300</i>	<i>16</i>	
				<i>2</i>	<i>H</i>	<i>11</i>	<i>11</i>	
				<i>3</i>	<i>GID</i>	<i>FX9</i>	<i>14</i>	

TIME DISTRIBUTION-HOURS		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN																																																																																																																																
NIGHT	DAY	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	DR. D RM. R CORE..C	CORE NO.	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	SGL. S PAR. EL. P COM'D-C																																																																																																																														
		SINGLES D.P.	FT.	MFG.		VISC.-SEC																																																																																																																																										
		D.C.		NOZZLE	NO. SIZE	FLTR. CK.																																																																																																																																										
		I.D. O.D.	FT.	SER. NO.		PH																																																																																																																																										
		STB. BODY O.D.	FT.	DEPTH OUT		SD. CONT. %																																																																																																																																										
		STB. BODY O.D.	FT.	DEPTH IN																																																																																																																																												
		RMR. BODY O.D.	FT.	TOTAL FTG.																																																																																																																																												
		SUBS O.D.	FT.	TOTAL HR. RUN																																																																																																																																												
		TOTAL	FT.	COND. OF BIT																																																																																																																																												
		WT. OF STRING	LBS.	REAMER NO.																																																																																																																																												
				REAMER TYPE																																																																																																																																												
		REMARKS																																																																																																																																														
		<table border="1"> <thead> <tr> <th colspan="2">TIME LOG</th> <th colspan="2">ELAPSED TIME</th> <th colspan="14">DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</th> </tr> <tr> <th>FROM</th> <th>TO</th> <th></th> <th></th> <th colspan="14"></th> </tr> </thead> <tbody> <tr> <td>0500</td> <td>0500</td> <td>5</td> <td></td> <td colspan="14">Finish Pulling 13" B.O.P.s & SET BACK SAME.</td> </tr> <tr> <td>0500</td> <td>0600</td> <td>1</td> <td></td> <td colspan="14">Make up string, bumper sub & running collect.</td> </tr> <tr> <td>0600</td> <td>0900</td> <td>3-</td> <td></td> <td colspan="14">Run in w/ string & stab into casing, Repair pressure head.</td> </tr> <tr> <td>0900</td> <td>10³⁰</td> <td>1 1/2</td> <td></td> <td colspan="14">Latched on bottom collect & unlatched same & pull out with 13 3/8 collect.</td> </tr> <tr> <td>10³⁰</td> <td>12⁰⁰</td> <td>1 1/2</td> <td></td> <td colspan="14">wait on word from divers about condition of well head.</td> </tr> </tbody> </table>																	TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS														FROM	TO																	0500	0500	5		Finish Pulling 13" B.O.P.s & SET BACK SAME.														0500	0600	1		Make up string, bumper sub & running collect.														0600	0900	3-		Run in w/ string & stab into casing, Repair pressure head.														0900	10 ³⁰	1 1/2		Latched on bottom collect & unlatched same & pull out with 13 3/8 collect.														10 ³⁰	12 ⁰⁰	1 1/2		wait on word from divers about condition of well head.													
TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																																																																																																																																												
FROM	TO																																																																																																																																															
0500	0500	5		Finish Pulling 13" B.O.P.s & SET BACK SAME.																																																																																																																																												
0500	0600	1		Make up string, bumper sub & running collect.																																																																																																																																												
0600	0900	3-		Run in w/ string & stab into casing, Repair pressure head.																																																																																																																																												
0900	10 ³⁰	1 1/2		Latched on bottom collect & unlatched same & pull out with 13 3/8 collect.																																																																																																																																												
10 ³⁰	12 ⁰⁰	1 1/2		wait on word from divers about condition of well head.																																																																																																																																												

TIME DISTRIBUTION-HOURS		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN																																																																																																														
NIGHT	DAY	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	DR. D RM. R CORE..C	CORE NO.	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	SGL. S PAR. EL. P COM'D-C																																																																																																												
		SINGLES D.P.	FT.	MFG.		VISC.-SEC																																																																																																																								
		D.C.		NOZZLE	NO. SIZE	FLTR. CK.																																																																																																																								
		I.D. O.D.	FT.	SER. NO.		PH																																																																																																																								
		STB. BODY O.D.	FT.	DEPTH OUT		SD. CONT. %																																																																																																																								
		STB. BODY O.D.	FT.	DEPTH IN																																																																																																																										
		RMR. BODY O.D.	FT.	TOTAL FTG.																																																																																																																										
		SUBS O.D.	FT.	TOTAL HR. RUN																																																																																																																										
		TOTAL	FT.	COND. OF BIT																																																																																																																										
		WT. OF STRING	LBS.	REAMER NO.																																																																																																																										
				REAMER TYPE																																																																																																																										
		REMARKS																																																																																																																												
		<table border="1"> <thead> <tr> <th colspan="2">TIME LOG</th> <th colspan="2">ELAPSED TIME</th> <th colspan="14">DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS</th> </tr> <tr> <th>FROM</th> <th>TO</th> <th></th> <th></th> <th colspan="14"></th> </tr> </thead> <tbody> <tr> <td>1200</td> <td>1400</td> <td>4</td> <td></td> <td colspan="14">Run bottom collect & latch same.</td> </tr> <tr> <td>1600</td> <td>2100</td> <td>5</td> <td></td> <td colspan="14">Rig up to run 13" stack.</td> </tr> <tr> <td>2100</td> <td>2300</td> <td>2</td> <td></td> <td colspan="14">Testing bottom collect on B.O.P. Blives yellow pad.</td> </tr> <tr> <td>2300</td> <td>2400</td> <td>1</td> <td></td> <td colspan="14">Stab choke & kill lines on B.O.P.</td> </tr> </tbody> </table>																	TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS														FROM	TO																	1200	1400	4		Run bottom collect & latch same.														1600	2100	5		Rig up to run 13" stack.														2100	2300	2		Testing bottom collect on B.O.P. Blives yellow pad.														2300	2400	1		Stab choke & kill lines on B.O.P.													
TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																																																																																																																										
FROM	TO																																																																																																																													
1200	1400	4		Run bottom collect & latch same.																																																																																																																										
1600	2100	5		Rig up to run 13" stack.																																																																																																																										
2100	2300	2		Testing bottom collect on B.O.P. Blives yellow pad.																																																																																																																										
2300	2400	1		Stab choke & kill lines on B.O.P.																																																																																																																										



No 2275

DAILY DRILLING REPORT

REPORT NO. 57

DATE 9-16-68

OPERATOR PHILLIPS PET. CO		LEASE COD. PROSPECT		WELL NO. 2X		FIELD OR DIST. NORWEGIAN CONT. SHELF		COUNTY NORTH SEA		STATE NORWAY							
CONTRACTOR ODECO NORWAY INC.		RIG NO. 10	DRILL PIPE STRING NO. 7 SIZE 5" TYPE THD. 5XH	TOOL JOINT 6 1/4" O.D.	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>J. C. Dattin</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>L. G. Rubele</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>McBinty</i>		1. NATIONAL N-1300 16"		2. " N-1300 16"		3. G.D. FXQ 16"		30"		133		342 435	
3. G.D. FXQ 16"		20"		133		340 1587		13 3/4"		68		338 6385					

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN					
NIGHT	DAY		NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DR. D R.M. CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. PAR. L.P. COM'D.C.	
			109	966502 FT.	HOLE OPENER	12:00 11:00	13.7 13.14			10,309	10,327				120	30	2700	6 3/4	45	6 3/4	45	P
			1	42.29 FT.	12 1/4																	
			7	517.31 FT.	SEC																	
			6	42.41 FT.	C-12																	
			1	9.03 FT.	REG																	
			2	6.03 FT.	X4953																	
			1	16.00 FT.	DEPTH OUT																	
			1	32.00 FT.	DEPTH IN																	
				10,327.00 FT.	TOTAL FTG.																	
				232,000 LBS.	TOTAL HR. RUN																	
					COND. OF BIT																	
					REAMER NO.																	
					REAMER TYPE																	
					REMARKS																	
					USED 1 NEW SET OF C12 1/4, 312M. RMR CUTTERS																	
					USED ONE NEW 8 1/4" STAB RUBBER																	
					BUMPER SUB #15 - 20 RMC HRS.																	
					DRILLER <i>V. Curdt</i>																	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN					
NIGHT	DAY		NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DR. D R.M. CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. PAR. L.P. COM'D.C.	
			111	984207 FT.	Hole opener		13.0	58	3.6	10,327	10,463	R		100	30	2700	6 3/4	45	6 3/4	45	P	
			12	517.31 FT.	12 1/4																	
			6	42.41 FT.	SEC																	
			1	3.03 FT.	REG																	
			2	6.03 FT.	X4953																	
			1	16.00 FT.	DEPTH OUT																	
			1	32.00 FT.	DEPTH IN																	
				10,463.85 FT.	TOTAL FTG.																	
				235,000 LBS.	TOTAL HR. RUN																	
					COND. OF BIT																	
					REAMER NO.																	
					REAMER TYPE																	
					REMARKS																	
					USED 1 NEW SET C12 RMR CUTTERS																	
					BUMPER SUB #15 - 26 1/2 HRS																	
					DRILLER <i>Robert F. McVay</i>																	

No 2274

DAILY DRILLING REPORT

REPORT NO. 56

DATE 9-13-68

OPERATOR: PHILLIPS PET CO. LEASE: COO. PROSPECT 7-11

CONTRACTOR: ODECO NORWAY INC RIG NO. 10

WELL NO. 2-X FIELD OR DIST. NORWEGIAN CONT SHELF COUNTY NORTH SEA STATE NORWAY

DRILL PIPE STRING: 7-3" TYPE THD. 5XH TOOL JOINT: 6 1/2" O.D.

PUMPS: 1. NATIONAL N-1300 16" STROKE LENGTH 2. " N-1300 16" 3. G.O. FXQ 16"

LAST CASING TUBING OR LINER: 30" 20" 13 1/2" MAKE: 133 68

RKB. .0 CSG. HD. SET AT: 342 435 340 338 6385

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L.C. Dethlefsen SIGNATURE OF CONTRACTOR'S TOOL PUSHER: McSinty

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD			MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	SOLE PARALLEL COM'D-C
			173" I.D. 8" O.D.	517.31 FT.	RR# 22 H.O.	8 1/2 12 1/4	12:00 3:00 5:00	13.1+ 13.2 13.1+	5'8 5'7 5'5	3.5'	9990	10102			SHALE & LIME				
			6 H.O. O.D.	3.03 FT.															
			6 STB. BODY 8" O.D.	42.4 FT.															
			1 STB. BODY 8" O.D.	4.06 FT.															
			3 RMR. BODY O.D.																
			1 SUBS O.D.	6.05 FT.															
			1 BIT OR C.B.																
			1 BUMPERS	16.00															
			1 KELLY DOWN	28.00															
			TOTAL	10102.00 FT.															
			WT. OF STRING	232,000 LBS.															
			REMARKS	BUMPER SUB #15 - 19 1/2 RING HRS. USED 1 SET OF NEW HOLE OPEN CUTTERS 312M.															
			DRILLER	V. Arndt															

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD			MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN
NIGHT	DAY		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	SOLE PARALLEL COM'D-C
			109 STANDS D.P.	9665.02 FT.															
			SINGLES D.P.	42.29 FT.															
			D.C.																
			17 I.D. 8" O.D.	517.31 FT.															
			D.C.																
			6 I.D. O.D.																
			6 STB. BODY 8" O.D.	42.41 FT.															
			1 STB. BODY O.D.																
			1 RMR. BODY 12 1/4" O.D.	10.303 FT.															
			2 SUBS O.D.	6.03 FT.															
			1 BIT OR C.B.	1 FT.															
			1 B.S.	16 -															
			1 KELLY DOWN	57 FT.															
			TOTAL	10,309 FT.															
			WT. OF STRING	232,000 LBS.															
			REMARKS	Bumper sub #15 - 19 1/2 Ring hrs															
			DRILLER	Robert L. Bunch															

DAILY DRILLING REPORT

REPORT NO. 54 DATE 9-13-68

OPERATOR PHILLIPS PET. CO		LEASE COD. PROSPECT 7-11		WELL NO. 2X	FIELD OR DIST. NORWEGIAN CON. SHELF	COUNTY NORTH SEA	STATE NORWAY						
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING 6 1/4" O.D.	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RR. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>L.E. Matlin</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>McDinty</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER		30"		342	433-
				1.	NAT.	N-1300	16"			20"	133	340	
				2.	NAT.	N-1300	16"			13 1/2"	68	338	6385-
				3.	G.D.	FXG	16"						

TIME DISTRIBUTION-HOURS		NIGHT		DAY		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE...C		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		WT. ON BIT 1000#		PUMP PRESS		PUMP NO. 1		PUMP NO. 2		METHOD RUN	
RIG UP & TEAR DOWN						117		STANDS D.P. 143673 FT.		BIT NO. 23		TIME 12: 1: 2:		FROM TO																			
DRILLING ACTUAL						SINGLES D.P. FT.		D.C.		SIZE 8 1/2"		WEIGHT 13.1 13.4 13.1		11,245																			
REAMING						D.C.				MFG. HTC		VISC.-SEC 59 58 58																					
CONDITIONING MUD & CIRCULATING		2				24		I.D. 6 1/2" O.D. 743.90 FT.		D.C.		W.L.-C.G. 3.9																					
TRIPS		5				I.D. O.D. FT.				NOZZLE NO. 3		FLTR. CK.																					
LUBRICATE RIG						STB. BODY 6 1/2" O.D. 58.77 FT.				SER. NO. UK 64100		PH																					
DEVIATION SURVEY						RMR. BODY O.D. FT.				DEPTH OUT 11,245		SD. CONT. %																					
TEST B.O.P.						SUBS O.D. FT.				DEPTH IN 11,158																							
CUT OFF DRILLING LINE						BIT OR C.B. FT.				TOTAL FTG. 87																							
REPAIR RIG						KELLY DOWN FT.				COND. OF BIT 78 83 61																							
CORING						TOTAL		11,245.00 FT.		REAMER NO.																							
WIRE LINE LOGGING		5		12		WT. OF STRING		240,000 LBS.		REAMER TYPE																							
RUNNING CASING & CEMENTING						REMARKS																											
WAITING ON CEMENT																																	
DRILL STEM TEST																																	
OTHER																																	
FISHING																																	
COMPLETION WORK																																	
A. PERFORATING																																	
B. TUBING TRIPS																																	
C. SWABBING																																	
D. TESTING																																	
E. ADDITIONAL																																	
TOTALS		12		12																													

TIME LOG		FROM TO		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
2400		0200		2		CIRC HOLE CLEAN TO LOG	
0200		0700		5		PULL OUT TO LOG, STRAP PIPE	
0700		0800		1		RIG UP LOGGERS	
0800		1200		4		LOGGING	

TIME LOG		FROM TO		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
1200		2400		12		Logging	

Robert S. Buech
DRILLER

Nº 2271

DAILY DRILLING REPORT

REPORT NO. 53 DATE 9-12-68

OPERATOR PHILLIPS PET. CO.		LEASE COD. PROSPECT 7-11		WELL NO. LX	FIELD OR DIST. NORWEGIAN INT. SHELF	COUNTY NORTH SEA	STATE NORWAY						
CONTRACTOR ODECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 7/8 TYPE THD. SXH	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RK. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE L. E. Gattlin		SIGNATURE OF CONTRACTOR'S TOOL PUSHER M. McGinty		1. NAT	N-1300	16"					342	435	
				2. NAT	N-1300	16"		133			340		
				3. C.D.	FXB	16"		68			338	6385	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGS-5 PAR-EL-COM'D-C	
			16	10238.9	FT.	23	9:30	18.1	58		11,150	11,158		85	40	2800	6 3/4	42			
			1	44.43	FT.	8 1/2	10:00	15.2	59		11,158	11,180		75	35						
			24	743.98	FT.	HTC		64													
			10	59.77	FT.	3															
			3	10.93	FT.	1/2															
			1	1.00	FT.	UK 6400															
			1	15.80	FT.																
			1	26.00	FT.																
				11,180.00	FT.																
				242,000	LBS.																
REMARKS																					
TIME LOG																					
FROM 2400 TO 0930 ELAPSED TIME 1/2																					
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
DRILG																					
TRIP FOR BIT @ 11,158'																					
DRILG																					

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGS-5 PAR-EL-COM'D-C	
			117	10367.3	FT.	23	16:00	13.1	64		11,158	11,245		85	40	2800	6 3/4	42			
			24	743.90	FT.	8 1/2		58													
			10	59.99	FT.	HTC		3.1													
			3	10.93	FT.	3															
			1	1.00	FT.	1/2															
			1	15.80	FT.	UK 6400															
			1	4.7	FT.																
				11,245	FT.																
				240,000	LBS.																
REMARKS																					
TIME LOG																					
FROM 1200 TO 1830 ELAPSED TIME 6 1/2																					
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																					
DRILG																					
CIR																					
CIR																					

DAILY DRILLING REPORT

REPORT NO. 52

DATE 9-11-68

OPERATOR: PHILIPS PETE
 LEASE: COD DROS PEET 7-11
 WELL NO.: 2X
 FIELD OR DIST.: NORWEGIAN CONT. Seldal
 COUNTY: NORTH SEA
 STATE: Norway

CONTRACTOR: ODFCO NORWAY INC
 RIG NO.: 10
 DRILL PIPE STRING: 6 1/4 O.D.
 TOOL JOINT: 1 3/8 TYPE THD. 1 1/2

SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. E. Dattin
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R. Buckley McHenry

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RRB. 10 CSG. HD.	SET AT	REMARKS
					30						342	
2			1300	16"	20					340		
3	G.I.D.	FX9	10"		13 3/8					338		

TIME DISTRIBUTION—HOURS			NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD			MUD RECORD			FOOTAGE		DR. CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
NIGHT	DAY				STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO						LINER SIZE	S.P.M.	
5	9 1/2		115	10,156	21	8 1/2	2330	131	11037	11076										
7	1 1/2		24	743.98	22	8 1/2	445	131												
			10	59.77	XC	XC		59												
			3	10.93	XC	XC		58												
			1	1.00	3	1 1/4		57												
			1	15.80	3	1 1/4		33												
			1	56.00	3	1 1/4		33												
				11,076.00																

REMARKS: 0500 0500 5 DRILLING
 0500 0600 7 started trip to change bits
 Made up new bit went to bottom of csg.

TIME SUMMARY (OFFICE USE ONLY)			NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD			MUD RECORD			FOOTAGE		DR. CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
DAY WORK	HRS. W/DP	HRS. WO/DP			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO						LINER SIZE	S.P.M.	
			116	10,238	22	8 1/2	1800	131	11076	11150										
			24	943.98	XC	XC		59												
			10	59.77	XC	XC		60												
			3	10.93	XC	XC														
			1	1.00	3	1 1/2														
			1	15.80	3	1 1/2														
			1	3.8	3	1 1/2														
				11,150																

REMARKS: 1200 1300 1 Slipped + cut 94' Drill line
 1300 1430 1 1/2 Finished in hole
 1430 2400 9 1/2 d=1g

DAILY DRILLING REPORT

REPORT NO. 50

DATE 9-9-68

OPERATOR <i>Phillips PET.</i>		LEASE <i>COD PROSPECT 7-11</i>		WELL NO. <i>24</i>	FIELD OR DIST. <i>NORWEGIAN CONTINENTAL SHELF</i>	COUNTY <i>NORTH CAROLINA</i>	STATE <i>NORTH CAROLINA</i>
CONTRACTOR <i>ODACO</i>		RIG NO. <i>10</i>	DRILL PIPE STRING NO. <i>1</i> SIZE <i>5</i> TYPE THD. <i>X 1/2</i>	PUMPS		LAST CASING TUBING OR LINER SIZE <i>30</i> <i>20</i> <i>13 3/8</i>	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>L. C. Matlin</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>R. S. Bunch</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH
				1.	<i>NAT.</i>	<i>1300</i>	<i>16</i>
				2.	<i>NAT.</i>	<i>1300</i>	<i>16</i>
				3.	<i>G.D.</i>	<i>EXD</i>	<i>16</i>

TIME DISTRIBUTION—HOURS		NIGHT TOUR		DAY TOUR		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
RIG UP & TEAR DOWN								STANDS D.P.	FT.	BIT NO.		TIME		FROM	TO			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	PARALLEL-COM'D-C
DRILLING ACTUAL	<i>6</i>	<i>10</i>						SINGLES D.P.	<i>10109.04</i>	FT.	SIZE	<i>8 1/2</i>	WEIGHT	<i>13.2</i>	<i>13.1</i>	<i>10923</i>	<i>10939</i>		<i>50</i>	<i>35</i>	<i>3000</i>	<i>63/4</i>	<i>47</i>		
REAMING								D.C.			MFG.	<i>SEC.</i>	VISC.-SEC	<i>58</i>	<i>58</i>										
CONDITIONING MUD & CIRCULATING								I.D. O.D.	FT.	TYPE	NO.	FLTR. CK.													
TRIPS	<i>6</i>	<i>2</i>						D.C.			NOZZLE	PH													
LUBRICATE RIG								I.D. O.D.	<i>743.98</i>	FT.	NO.	SD. CONT. %													
DEVIATION SURVEY								STB. BODY O.D.	<i>59.77</i>	FT.	SIZE														
TEST B.O.P.								STB. BODY O.D.		FT.	SER. NO.														
CUT OFF DRILLING LINE								RMR. BODY O.D.		FT.	DEPTH OUT														
REPAIR RIG								SUBS	<i>10.93</i>	FT.	DEPTH IN														
CORING								BIT OR C.B.	<i>1.00</i>	FT.	TOTAL FTG.														
WIRE LINE LOGGING								Bump Sub	<i>15.80</i>	FT.	TOTAL HR. RUN														
RUNNING CASING & CEMENTING								KELLY DOWN	<i>47</i>	FT.	COND. OF BIT	<i>7.7: B. 4.1</i>													
WAITING ON CEMENT								TOTAL		FT.	REAMER NO.														
DRILL STEM TEST								WT. OF STRING	<i>235000</i>	LBS.	REAMER TYPE														
OTHER								REMARKS																	
FISHING																									
COMPLETION WORK																									
A. PERFORATING																									
B. TUBING TRIPS																									
C. SWABBING																									
D. TESTING																									
E. ADDITIONAL																									
TOTALS	<i>12</i>	<i>12</i>																							

TIME SUMMARY (OFFICE USE ONLY)		DAY TOUR		NO.		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN					
DAY WORK								STANDS D.P.	FT.	BIT NO.		TIME		FROM	TO			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	PARALLEL-COM'D-C
HRS. W/DP								SINGLES D.P.		FT.	SIZE	WEIGHT	<i>13.1</i>	<i>10,939</i>	<i>10,969</i>	<i>Shale & Lime</i>		<i>160</i>	<i>38</i>	<i>1800</i>	<i>6 3/4</i>	<i>45</i>			
HRS. WO/DP								D.C.			MFG.	VISC.-SEC	<i>55</i>	<i>57</i>											
HRS. STANDBY								I.D. O.D.	<i>943.98</i>	FT.	TYPE	W.L.-C.C.	<i>3.3</i>	<i>3.3</i>											
TOTAL DAY WORK								D.C.			NOZZLE	FLTR. CK.													
WIRE LINE RECORD								I.D. O.D.	<i>59.77</i>	FT.	NO.	PH													
REEL NO.	<i>19294-A</i>							STB. BODY O.D.		FT.	SIZE	SD. CONT. %													
NO. OF LINES	<i>10</i>	SIZE	<i>1 3/8</i>					RMR. BODY O.D.		FT.	SER. NO.														
FEET SLIPPED								SUBS	<i>10.93</i>	FT.	DEPTH OUT														
FEET CUT OFF	<i>2532</i>							BIT OR C.B.	<i>1.00</i>	FT.	DEPTH IN														
PRESENT LENGTH	<i>2536</i>							TOTAL FTG.			TOTAL HR. RUN														
TON MI. OR TRIPS SINCE LAST CUT	<i>1702</i>							TOTAL HR. RUN	<i>10</i>		COND. OF BIT														
CUMULATIVE TON MI. OR TRIPS	<i>58902</i>							REAMER NO.			REAMER TYPE														
NO. OF DAYS FROM SPUD	<i>50</i>							REMARKS																	
CUMULATIVE ROTATING HRS.																									

Robert S. Bunch
DRILLER

DAILY DRILLING REPORT

REPORT NO. 48

DATE 9-7-68

OPERATOR Phillips PETE Co.		LEASE COD. PROSPECT 7-11		WELL NO. 2X	FIELD OR DIST. Norwegian Cont (Svalbard)	COUNTY NORTH SEA	STATE NORWAY						
CONTRACTOR		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 TYPE THD. Xd.	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE L. C. Gattlin		SIGNATURE OF CONTRACTOR'S TOOL PUSHER E. P. Little		1. NATIONAL	TYPE 1800	STROKE LENGTH 16							
				2. H.	TYPE 1300	STROKE LENGTH 16							
				3. G.D.	TYPE EX9	STROKE LENGTH 16							

TIME DISTRIBUTION-HOURS		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN	
NIGHT	DAY	NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	FROM	TO	DR.-D RM.-R CORE.-C	FORM.	PUMP PRESS	LINER SIZE	S.P.M.	SGL-S PAR-EL-P COMD-C
		112	9921.42 FT.	17											
		1	44.35 FT.	8 1/2											
		24	743.98 FT.	Sec											
		10	59.94 FT.	M422											
		3	10.93 FT.	3											
		1	1.00 FT.	1/2 2/2											
		1	16.80 FT.	945639											
		1	14.00 FT.	1081											
		TOTAL	10810.86 FT.	10810											
		WT. OF STRING	230 000 LBS.												
		REMARKS		MUD & CHEMICALS ADDED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
								0000	0230	2 1/2					
								0230	0700	4 1/2					
								0700	0930	2 1/2					
								0930	1100	1 1/2					
								1100	1200	1					

TIME SUMMARY (OFFICE USE ONLY)		DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN	
DAY WORK	HRS. W/DP	NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	FROM	TO	DR.-D RM.-R CORE.-C	FORM.	PUMP PRESS	LINER SIZE	S.P.M.	SGL-S PAR-EL-P COMD-C
		112	9921.42 FT.	17	1600	1800									
		1	44.35 FT.	8 1/2	13.3	13.3									
		24	743.98 FT.	8 1/2	58	57									
		10	59.94 FT.	Sec											
		3	10.93 FT.	3											
		1	1.00 FT.	1 2 3											
		1	15.80 FT.	1/2 1 1/2											
		1	26.00 FT.	945639											
		1	10810.86 FT.	10810											
		WT. OF STRING	230 000 LBS.												
		REMARKS		MUD & CHEMICALS ADDED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
								1200	1300	1					
								1300	1400	1					
								1400	1900	5					
								1900	2400	5					

DAILY DRILLING REPORT

REPORT NO. 47

DATE 6-9-68

OPERATOR: Phillips Pet. Co
 LEASE: COD. PROSPECT 7-11
 WELL NO.: 24
 FIELD OR DIST.: Norwegian Coast
 COUNTY: North Sea
 STATE: Norway

CONTRACTOR: ODECO
 RIG NO.:
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: L.E. Hatlin
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: E.P. Fells

NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	PUMPS	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NAT.				30		308			242	425	
2.	"				20		138			240	437	
3.	G.D.				12 1/2		68			238	635	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
RIG UP & TEAR DOWN			NO.	STANDS D.P.	BIT NO.	TIME	TIME	FROM	TO	DR. D RM. R CORE. C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S PAR. EL. P COM. D. C.
DRILLING ACTUAL			1	SINGLES D.P.	SIZE	WEIGHT	VISC.-SEC													
REAMING		10	10	D.C.	MFG.															
CONDITIONING MUD & CIRCULATING	1/2		17	I.D. O.D.	TYPE		W.L.-C.C.													
TRIPS	5/2	3		D.C.	NOZZLE NO. SIZE		FLTR. CK.													
LUBRICATE RIG			6	I.D. O.D.	NOZZLE SIZE		PH													
DEVIATION SURVEY				STB. BODY O.D.	SER. NO.		SD. CONT. %													
TEST B.O.P.				STB. BODY O.D.	DEPTH OUT															
CUT OFF DRILLING LINE	1			RMR. BODY O.D.	DEPTH IN															
REPAIR RIG				RMR. BODY O.D.	TOTAL FTG.															
CORING				STB. BODY O.D.	TOTAL HR. RUN															
WIRE LINE LOGGING	1 1/2			RMR. BODY O.D.	COND. OF BIT															
RUNNING CASING & CEMENTING				STB. BODY O.D.	REAMER NO.															
WAITING ON CEMENT				RMR. BODY O.D.	REAMER TYPE															
DRILL STEM TEST				STB. BODY O.D.	REMARKS															
OTHER	3 1/2			RMR. BODY O.D.																
FISHING				STB. BODY O.D.																
COMPLETION WORK				RMR. BODY O.D.																
A. PERFORATING				STB. BODY O.D.																
B. TUBING TRIPS				RMR. BODY O.D.																
C. SWABBING				STB. BODY O.D.																
D. TESTING				RMR. BODY O.D.																
E. ADDITIONAL				STB. BODY O.D.																
TOTALS		12		RMR. BODY O.D.																

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
DAY WORK			NO.	STANDS D.P.	BIT NO.	TIME	TIME	FROM	TO	DR. D RM. R CORE. C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S PAR. EL. P COM. D. C.
HRS. W/DP			1	SINGLES D.P.	SIZE	WEIGHT	VISC.-SEC													
HRS. WO/DP			17	D.C.	MFG.															
HRS. STANDBY				I.D. O.D.	TYPE		W.L.-C.C.													
TOTAL DAY WORK				D.C.	NOZZLE NO. SIZE		FLTR. CK.													
WIRE LINE RECORD				I.D. O.D.	NOZZLE SIZE		PH													
REEL NO.	19294-A			STB. BODY O.D.	SER. NO.		SD. CONT. %													
NO. OF LINES	10	SIZE	1 3/8	STB. BODY O.D.	DEPTH OUT															
FEET SLIPPED				RMR. BODY O.D.	DEPTH IN															
FEET CUT OFF	2468			STB. BODY O.D.	TOTAL FTG.															
PRESENT LENGTH	2532			RMR. BODY O.D.	TOTAL HR. RUN															
TON ML. OR TRIPS SINCE LAST CUT	2396			STB. BODY O.D.	COND. OF BIT															
CUMULATIVE TON ML. OR TRIPS	58020			RMR. BODY O.D.	REAMER NO.															
NO. OF DAYS FROM SPUD	46			STB. BODY O.D.	REAMER TYPE															
CUMULATIVE ROTATING HRS.				RMR. BODY O.D.	REMARKS															

DAILY DRILLING REPORT

REPORT NO. 44 DATE 9-3-68

OPERATOR: PHILLIPS PET CO. LEASE: COD. PROSPECT 7-11
 CONTRACTOR: ODECO NORWAY INC. RIG NO. 10
 WELL NO. 2X FIELD OR DIST. NORWEGIAN CONT. HELF COUNTY NORTH SEA STATE NORWAY
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NATIONAL	N-1300	16		30		309			342	435	
2.	"	N-1300	16		20		133			340	2537	
3.	G.I.D.	FXQ	16		13 3/8		68			338	6385	

TIME DISTRIBUTION-HOURS	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		
CONDITIONING MUD & CIRCULATING	2 1/2	
TRIPS	7	
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING	2 1/2	12
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN SGL-S PAR-EL-P COM'D-C	
		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT							FROM	TO	LINER SIZE	S.P.M.		LINER SIZE
112	STANDS D.P.	9969.36		15		0400													
1	SINGLES D.P. D.C.	44.25		8 1/2		13.0													
24	I.D. O.D. D.C.	744.90		SEC		55													
10	STB. BODY O.D.	59.77		MANED		3.2													
2	RMR. BODY O.D.	6.03		3		1/32													
1	BIT OR C.B.	1.00		945636		9													
1	B. SUB	15.80		10810		NIL													
	KELLY DOWN	14.00		10752															
	TOTAL	10810.86		58															
	WT. OF STRING	232,000																	

REMARKS: PULLING TO BTM. OF CSG. RUNNING IN TO BOTTOM, (1" FILL). CIRC. HOLE CLEAN TO LOG. PUMP OUT OF HOLE TO LOG. RIG LOGGERS & LOGGING W/ SCHUMBERGER

DRILLER: V. Arnoldt

WIRE LINE RECORD	
REEL NO.	19294-A
NO. OF LINES	10 SIZE 1 3/8
FEET SLIPPED	
FEET CUT OFF	2324
PRESENT LENGTH	2626
TON MI. OR TRIPS SINCE LAST CUT	1496
CUMULATIVE TON MI. OR TRIPS	57120
NO. OF DAYS FROM SPUD	44
CUMULATIVE ROTATING HRS.	

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN SGL-S PAR-EL-P COM'D-C	
		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT							FROM	TO	LINER SIZE	S.P.M.		LINER SIZE
	STANDS D.P.																		
	SINGLES D.P. D.C.																		
	I.D. O.D.																		
	D.C.																		
	I.D. O.D.																		
	STB. BODY O.D.																		
	STB. BODY O.D.																		
	RMR. BODY O.D.																		
	SUBS O.D.																		
	BIT OR C.B.																		
	KELLY DOWN																		
	TOTAL																		
	WT. OF STRING																		

REMARKS: Running Schumberger

DRILLER: Robert E. McWay

DAILY DRILLING REPORT

REPORT NO. 43 DATE 9-2-68

OPERATOR PHILLIPS PET CO		LEASE COO PROSPECT		WELL NO. 7-11	FIELD OR DIST. NORWEGIAN CON. SHELF	COUNTY NORTH SEA	STATE NORWAY	
CONTRACTOR OPECO NORWAY INC		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5"	TOOL JOINT 6 1/4" O.D.	PUMPS			REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	
				1.	NATIONAL	N-1300	16"	
				2.	"	N-1300	16"	
				3.	C.D.	FXQ	16"	
				LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	
					30"		309	
					20"		133	
					13 3/4"		68	
				RKB. TO CSG. HD.	SET AT			
					342	435		
					340	1537		
					338	6385		

TIME DISTRIBUTION-HOURS		
RIG UP & TEAR DOWN	NIGHT	DAY
DRILLING ACTUAL		2 1/2
REAMING	4 1/2	1 1/2
CONDITIONING MUD & CIRCULATING		3
TRIPS	4 1/2	1 1/2
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING	1 1/2	
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER	1 1/2	
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS	12	12

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
111	STANDS D.P. 9881.72 FT.	BIT NO.	15	TIME		FROM	TO	DR. D RM. R CORE. C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. PAR. EL. P. COM'D. C
	SINGLES D.P.	SIZE	8 1/2"	WEIGHT													
	D.C.	MFG.	SEC	VISC.-SEC													
	I.D. O.D.	TYPE	M4N6J	W.L.-C.C.													
	D.C.	NOZZLE NO.	3	FL. TR. CK.													
	I.D. O.D.	SIZE	1 1/2"	PH													
	STB. BODY O.D.	SER. NO.	945636	SD. CONT. %													
	STB. BODY O.D.	DEPTH OUT															
	RMR. BODY O.D.	DEPTH IN	10760														
	SUBS O.D.	TOTAL FTG.															
	I.D. O.D.	TOTAL HR. RUN															
	BIT OR C.B.	COND. OF BIT	NEW														
	BUMPER SUB	REAMER NO.															
	KELLY DOWN	REAMER TYPE															
	TOTAL																
	WT. OF STRING																
	240,000 LBS.																
REMARKS																	
DRILLER V. Amolt																	

WIRE LINE RECORD	
REEL NO.	19294-A
NO. OF LINES	10 SIZE 1 3/8"
FEET SLIPPED	
FEET CUT OFF	2324
PRESENT LENGTH	2626
TON MI. OR TRIPS SINCE LAST CUT	1496
CUMULATIVE TON MI. OR TRIPS	57120
NO. OF DAYS FROM SPUD	43
CUMULATIVE ROTATING HRS.	

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN			
112	STANDS D.P. 9969.36 FT.	BIT NO.	15	TIME	1500 2200	FROM	TO	DR. D RM. R CORE. C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. PAR. EL. P. COM'D. C
	SINGLES D.P.	SIZE	8 1/2"	WEIGHT	12.9 13.1												
	D.C.	MFG.	SEC	VISC.-SEC	57 58												
	I.D. O.D.	TYPE	M4N6J	W.L.-C.C.	3.2 3.0												
	D.C.	NOZZLE NO.	3	FL. TR. CK.													
	I.D. O.D.	SIZE	1 1/2"	PH													
	STB. BODY O.D.	SER. NO.	945636	SD. CONT. %													
	STB. BODY O.D.	DEPTH OUT															
	RMR. BODY O.D.	DEPTH IN	10810														
	SUBS O.D.	TOTAL FTG.															
	I.D. O.D.	TOTAL HR. RUN															
	BIT OR C.B.	COND. OF BIT	7														
	B. Sub	REAMER NO.															
	KELLY DOWN	REAMER TYPE															
	TOTAL																
	WT. OF STRING																
	233,000 LBS.																
REMARKS																	
B.S. 7 Drilg hrs.																	
DRILLER Robert E. McVay																	

No 2258

DAILY DRILLING REPORT

REPORT NO. 40

DATE 8-30-68

OPERATOR: PHILLIPS PET. CO. LEASE: COD. PROSPECT 7-11-2X
 CONTRACTOR: ODECO NORWAY INC. RIG NO. 10
 WELL NO. 7-11-2X FIELD OR DIST. NORWEGIAN CON. SHELF COUNTY NORTH SEA STATE NORWAY
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. Emerget SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Ginty

TIME DISTRIBUTION HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. R.M.R. CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.						PH	SD. CONT. %	
RIG UP & TEAR DOWN			110	9755.18	14	876	12.9	13.1	13.1	10,452	10,533		SHALE & LIME	130	3019	130	67	40	
DRILLING ACTUAL	12	11 1/2	21	651.99	CHRIS DIA	MD33	56	56	54										
REAMING			9	53.79	NOZZLE														
CONDITIONING MUD & CIRCULATING			2	6.03	NO. NR 10359086														
TRIPS	1/2		1	15.60	DEPTH OUT														
LUBRICATE RIG			1	47.00	DEPTH IN														
DEVIATION SURVEY			1	10533.00	TOTAL FTG.														
TEST B.O.P.				227,000	TOTAL HR. RUN														
CUT OFF DRILLING LINE					COND. OF BIT														
REPAIR RIG					REAMER NO.														
CORING					REAMER TYPE														
WIRE LINE LOGGING					REMARKS														
RUNNING CASING & CEMENTING																			
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER																			
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS	12	12																	

TIME DISTRIBUTION HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. R.M.R. CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.						PH	SD. CONT. %	
RIG UP & TEAR DOWN			111	98138.3	14	876	12.9	13.0	12.9	10533	10,600		Shale & Lime	140	30	140	67	40	
DRILLING ACTUAL			21	651.99	CHRIS DIA	MD33	53	52	54										
REAMING			9	53.79	NOZZLE														
CONDITIONING MUD & CIRCULATING			2	6.03	NO. NR 10359086														
TRIPS			1	15.60	DEPTH OUT														
LUBRICATE RIG			1	26	DEPTH IN														
DEVIATION SURVEY				10,600	TOTAL FTG.														
TEST B.O.P.				222,000	TOTAL HR. RUN														
CUT OFF DRILLING LINE					COND. OF BIT														
REPAIR RIG					REAMER NO.														
CORING					REAMER TYPE														
WIRE LINE LOGGING					REMARKS														
RUNNING CASING & CEMENTING																			
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER																			
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS																			

Nº 2257

DAILY DRILLING REPORT

REPORT NO. 39 DATE 8-29

OPERATOR: PHILLIPS PET. CO. LEASE: COO. PROSPECT 7-11

CONTRACTOR: ODECO NORWAY INC. RIG NO. 10

WELL NO. 7-11-2X FIELD OR DIST. NORWEGIAN CON. - SHELF COUNTY NORTH SEA STATE NORWAY

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
					1 1/2"							
1.	NATIONAL	N-1300	16		30		309		242	435		
2.	"	N-1500	16		20		135		240	1537		
3.	G.I.	FXG	16		13 3/4		68		238	6585		

SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. Ewinget
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Roy Bruchley - Mr. Sinter

TIME DISTRIBUTION - HOURS		
RIG UP & TEAR DOWN	NIGHT	DAY
DRILLING ACTUAL	12	11 1/2
REAMING		
CONDITIONING MUD & CIRCULATING		
TRIPS	1/2	
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		
FISHING		

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
		STANDS D.P.	FT.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.							
108	95-78.19 FT.	14	8 7/8	1:00	12.6	55	4.6	3.2	SHALE	150	30	1300	67	40	
9	54.10 FT.	CHRISTO	MD33												
2	6.03 FT.	10 250	18 1/2												
1	15.60 FT.	18 1/2	18 1/2												
	55.00 FT.	18 1/2	18 1/2												
	10364.00 FT.	18 1/2	18 1/2												
	229,000 LBS.														

DRILLER: J. Amolt

WIRE LINE RECORD		
REEL NO.	19294-A	
NO. OF LINES	10	SIZE 1 3/8
FEET SLIPPED		
FEET CUT OFF	2374	
PRESENT LENGTH	2626	
TON MI. OR TRIPS SINCE LAST CUT	989	
CUMULATIVE TON MI. OR TRIPS	56613	
NO. OF DAYS FROM SPUD	39	
CUMULATIVE ROTATING HRS.		

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD RUN
		STANDS D.P.	FT.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.							
109	9666.02 FT.	14	9 7/8	1:00	13.1	62	3	3	SHALE & LIMESTONE	150	30	1300	67	40	
21	651.99 FT.	CHRISTO	MD33												
9	538.9 FT.	10 250	30												
2	6.03 FT.	10 250	30												
1	15.60 FT.	30	30												
	55 - FT.	30	30												
	10,452 FT.	30	30												
	220,000 LBS.														

DRILLER: Robert S. Bruchley

FORM 2T-3 APPROVED PRINTED IN U.S.A.

APPROVED

DAILY DRILLING REPORT

REPORT NO. 37

DATE 8-27-68

OPERATOR Phillips		LEASE C.O.D Prospect 7-11		WELL NO. 2 X	FIELD OR DIST. NORWEGIAN CONT. Sdelt.	COUNTY NORTH SEA	STATE Norway						
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 TYPE THD. X.D.	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		1. WAT	TYPE 1300	STROKE LENGTH 16	LAST CASING TUBING OR LINER	30	309	2	240	435	
SIGNATURE OF CONTRACTOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		2. 11	TYPE 11	STROKE LENGTH 11		20	135	30	240	1537	
SIGNATURE OF CONTRACTOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		3. G.D.	TYPE EX-9	STROKE LENGTH 16		13 3/4	68		238	6355	

TIME DISTRIBUTION—HOURS		NIGHT		DAY	
RIG UP & TEAR DOWN					
DRILLING ACTUAL				2 1/2	
REAMING					
CONDITIONING MUD & CIRCULATING					
TRIPS				1 1/2	4 1/2
LUBRICATE RIG					
DEVIATION SURVEY					
TEST B.O.P.					
CUT OFF DRILLING LINE					
REPAIR RIG					
CORING					
WIRE LINE LOGGING					
RUNNING CASING & CEMENTING					
WAITING ON CEMENT					
DRILL STEM TEST					
OTHER		9		5	
FISHING		1 1/2		12	
COMPLETION WORK					
A. PERFORATING					
B. TUBING TRIPS					
C. SWABBING					
D. TESTING					
E. ADDITIONAL					
TOTALS					
TIME SUMMARY (OFFICE USE ONLY)					
DAY WORK					
HRS. W/DP					
HRS. WO/DP					
HRS. STANDBY					
TOTAL DAY WORK					
WIRE LINE RECORD					
REEL NO.	19294-A				
NO. OF LINES	10	SIZE	1 3/8		
FEET SLIPPED					
FEET CUT OFF	2374				
PRESENT LENGTH	2024				
TON MI. OR TRIPS SINCE LAST CUT	666				
CUMULATIVE TON MI. OR TRIPS	56290				
NO. OF DAYS FROM SPUD	37				
CUMULATIVE ROTATING HRS.					

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
106	STANDS D.P. 9400.67 FT.	BIT NO. 120	SIZE 8 1/2	TIME 2200	WEIGHT 13	FROM 10135	TO 10163	Lime & shale		ROTARY RPM 70	WT. ON BIT 1000# 280	PUMP PRESS 107	LINER SIZE 32	S.P.M. 107	METHOD RUN CON'D-C
	SINGLES D.P. FT.	MFG. H.T.C.	TYPE XV-5	VISC.-SEC 55	W.L.-C.C.										
	D.C.	NOZZLE NO. 3	SIZE 1 1/2	FLTR. CK.	PH										
21	I.D. 6 1/2 O.D. 651.09 FT.	SER. NO. UK59349	DEPTH OUT 10135	DEPTH IN 9990	TOTAL FTG. 144										
	D.C.	COND. OF BIT T.B. BIG 1	TOTAL HR. RUN 10	REAMER NO.	REAMER TYPE										
9	STB. BODY 6 1/2 O.D. 651.09 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
3	STB. BODY 6 1/2 O.D. 1040 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
1	BIT OR C.B. 1.00 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	KELLY DOWN 21 FT.	COND. OF BIT	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	TOTAL 10155 FT.	REAMER NO.	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	WT. OF STRING 220,000 LBS.	REAMER TYPE	DEPTH OUT	DEPTH IN	TOTAL FTG.										
REMARKS															
<p>1200 0130 1 1/2 Finished pulling out of hole. Half of 3/16 plate on bottom of pipe wiper missing</p> <p>0130 0300 1 1/2 Made up test plug. To retrieve bone protector could not get below where 24" slip ft. connects to 16" riser @ water level.</p> <p>0300 0500 2 Made up magnet trayed to fish steel plate out of mud riser. Failed</p> <p>0500 0700 1 1/2 Nipping down slip ft. Kill & choke lines Recover plate & nipping up.</p>															

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
106	STANDS D.P. 9400.67 FT.	BIT NO. 13	SIZE 8 1/2	TIME 2200	WEIGHT 13	FROM 10135	TO 10163	Lime & shale		ROTARY RPM 70	WT. ON BIT 1000# 280	PUMP PRESS 107	LINER SIZE 32	S.P.M. 107	METHOD RUN CON'D-C
	SINGLES D.P. FT.	MFG. H.T.C.	TYPE XV-5	VISC.-SEC 55	W.L.-C.C.										
	D.C.	NOZZLE NO. 3	SIZE 1 1/2	FLTR. CK.	PH										
21	I.D. 6 1/2 O.D. 651.09 FT.	SER. NO. UK53008	DEPTH OUT 10135	DEPTH IN 9990	TOTAL FTG. 144										
	D.C.	COND. OF BIT T.B. BIG 1	DEPTH OUT	DEPTH IN	TOTAL FTG.										
9	STB. BODY 6 1/2 O.D. 651.09 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
3	STB. BODY 6 1/2 O.D. 1040 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
1	BIT OR C.B. 1.00 FT.	NOZZLE SIZE 1 1/2	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	D.C.	SER. NO. UK53008	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	KELLY DOWN 44 FT.	COND. OF BIT	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	TOTAL 10163 FT.	REAMER NO.	DEPTH OUT	DEPTH IN	TOTAL FTG.										
	WT. OF STRING 210,000 LBS.	REAMER TYPE	DEPTH OUT	DEPTH IN	TOTAL FTG.										
REMARKS															
<p>1200 1330 1 1/2 Nipping up kill & choke lines & flow line</p> <p>1330 1430 1 1/2 pull out hole w/ test plug & retrieved bone protector</p> <p>1430 1630 2 1/2 insert in hole w/ test plug & tested hydro 11 choke & kill lines w/ 2500 psi. Test OK</p> <p>1630 1700 1/2 Made up bone protector & get same OK</p> <p>1700 2130 1 1/2 in hole w/ new bit</p> <p>2130 2400 2 1/2 d-19</p>															

Robert S. Pusch
DRILLER

No 2254

DAILY DRILLING REPORT

REPORT NO. 36

DATE 8-26-68

OPERATOR: *Hilbip's PETE. CO.* LEASE: *COD. PROJECT 7-11*

CONTRACTOR: *ODECO* RIG NO.: *614* O.D. *1.5* TYPE THD. *X.1.*

WELL NO. *21X* FIELD OR DIST. *NORWEGIAN* COUNTY *NORTH SEA* STATE *NORWAY*

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	<i>W. T. Frank</i>	<i>1300</i>	<i>16</i>		<i>30</i>		<i>209</i>	<i>2</i>		<i>242</i>	<i>435</i>	
2.	<i>W. T.</i>	<i>1300</i>	<i>16</i>		<i>20</i>		<i>135</i>	<i>30</i>		<i>240</i>	<i>1537</i>	
3.	<i>G. D.</i>	<i>FXQ</i>	<i>16</i>		<i>13 3/4</i>		<i>68</i>			<i>238</i>	<i>6395</i>	

TIME DISTRIBUTION HOURS		NIGHT	DAY
RIG UP & TEAR DOWN			
DRILLING ACTUAL	<i>3 1/2</i>	<i>6 1/2</i>	
REAMING	<i>1 1/2</i>		
CONDITIONING MUD & CIRCULATING		<i>2</i>	
TRIPS	<i>6</i>	<i>3 1/2</i>	
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER	<i>2</i>		
FISHING			
COMPLETION WORK			
A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			
TOTALS	<i>12</i>		

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN					
NO. <i>104</i>	STANDS D.P. <i>9400.67</i> FT.	BIT NO. <i>12</i>	SIZE <i>8 1/2</i>	TIME <i>1400</i>	<i>1800</i>	FROM <i>9990</i>	TO <i>1040</i>	DR. D. RM. R. CORE. C. <i>D</i>	CORE NO.	FORMATION <i>Shale + Sand.</i>	ROTARY RPM <i>90</i>	WT. ON BIT 1000# <i>36</i>	PUMP PRESS <i>3000</i>	LINER SIZE <i>6 3/4</i>	S.P.M. <i>32</i>	LINER SIZE <i>6 3/4</i>	S.P.M. <i>32</i>	METHOD RUN <i>P.</i>	
NO. <i>21</i>	I.D. <i>6 1/2</i> O.D. <i>6510.9</i> FT.	MFG. <i>WTC</i>	TYPE <i>XUT</i>	VISC.-SEC. <i>55</i>	<i>54</i>	W.L.-C.C. <i>6.8</i>	FL. TR. CK. <i>3/32</i>	PH <i>3.2</i>	SD. CONT. %										
NO. <i>9</i>	STB. BODY O.D. <i>53.79</i> FT.	NOZZLE NO. <i>3</i>	SIZE <i>1 1/2</i>	DEPTH OUT <i>9990</i>	DEPTH IN <i>9990</i>	TOTAL FTG. <i>50</i>	TOTAL HR. RUN <i>3 1/2</i>	COND. OF BIT <i>R</i>	REAMER NO.	REAMER TYPE									
NO. <i>2</i>	RMR. BODY O.D. <i>603</i> FT.	SER. NO. <i>4K58347</i>																	
NO. <i>1</i>	BIT OR C.B. <i>41</i> FT.																		
TOTAL	<i>1077</i> FT.																		
WT. OF STRING	<i>230.000</i> LBS.																		

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FROM <i>00.00</i>	TO <i>02.00</i>	<i>2</i>		<i>Pulling core #1</i>	
<i>02.00</i>	<i>04.00</i>	<i>2</i>		<i>Handle core + service core BBLs</i>	
<i>04.00</i>	<i>08.00</i>	<i>4</i>		<i>Run in hole w/ BIT #1</i>	
<i>08.00</i>	<i>08.30</i>	<i>1/2</i>		<i>Ream. R. to hole</i>	
<i>08.30</i>	<i>12.00</i>	<i>3 1/2</i>		<i>Drilling 8 1/2 hole</i>	

WIRE LINE RECORD	
REEL NO. <i>19294-A</i>	
NO. OF LINES	SIZE
FEET SLIPPED	
FEET CUT OFF <i>2374</i>	
PRESENT LENGTH <i>2626</i>	
TON MI. OR TRIPS SINCE LAST CUT <i>333</i>	
CUMULATIVE TON MI. OR TRIPS <i>55957</i>	
NO. OF DAYS FROM SPUD <i>30</i>	
CUMULATIVE ROTATING HRS.	

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
NO. <i>106</i>	STANDS D.P. <i>9400.67</i> FT.	BIT NO. <i>12</i>	SIZE <i>8 1/2</i>	TIME <i>1400</i>	<i>1800</i>	FROM <i>1040</i>	TO <i>10134</i>	DR. D. RM. R. CORE. C. <i>D</i>	CORE NO.	FORMATION <i>Shale + Limer</i>	ROTARY RPM <i>90</i>	WT. ON BIT 1000# <i>26</i>	PUMP PRESS <i>674</i>	LINER SIZE <i>35</i>	S.P.M. <i>674</i>	METHOD RUN <i>35</i>
NO. <i>21</i>	I.D. <i>6 1/2</i> O.D. <i>6510.9</i> FT.	MFG. <i>WTC</i>	TYPE <i>XUT</i>	VISC.-SEC. <i>58</i>	<i>56</i>	W.L.-C.C. <i>6.4</i>	FL. TR. CK. <i>6.4</i>	PH <i>3.2</i>	SD. CONT. %							
NO. <i>9</i>	STB. BODY O.D. <i>53.79</i> FT.	NOZZLE NO. <i>3</i>	SIZE <i>1 1/2</i>	DEPTH OUT <i>10134</i>	DEPTH IN <i>9990</i>	TOTAL FTG. <i>144</i>	TOTAL HR. RUN <i>10</i>	COND. OF BIT <i>R</i>	REAMER NO.	REAMER TYPE						
NO. <i>2</i>	RMR. BODY O.D. <i>603</i> FT.	SER. NO. <i>4K58347</i>														
NO. <i>1</i>	BIT OR C.B. <i>21</i> FT.															
TOTAL	<i>10134</i> FT.															
WT. OF STRING	<i>220.000</i> LBS.															

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	
FROM <i>12.00</i>	TO <i>18.30</i>	<i>6 1/2</i>		<i>dr 19</i>	
<i>18.30</i>	<i>20.30</i>	<i>2</i>		<i>CL</i>	
<i>20.30</i>	<i>22.00</i>	<i>3 1/2</i>		<i>Pulling out hole for new bit</i>	

Robert D. Purch
DRILLER

DAILY DRILLING REPORT

REPORT NO. 35

DATE 8-25-68

OPERATOR: Phillips Petroleum Co. LEASE: Cod Prospect 7-11

CONTRACTOR: ODECO RIG NO. 10

WELL NO. 2-2 FIELD OR DIST. Norwegian cont. (T&L) COUNTY NORTH SEA STATE Norway

DRILL PIPE STRING NO. 1 SIZE 5 TYPE THD. Xhd.

TOOL JOINT 6 1/4 O.D.

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NAT.	1800	16
2.	NAT.	1300	16
3.	G.D.	EX9	16

LAST CASING TUBING OR LINER: SIZE 30 MAKE 309 WT. & GR. 2 NO. JOINTS 2 FEET 242 SET AT 435

SIZE 20 MAKE 135 WT. & GR. 30 NO. JOINTS 2 FEET 240 SET AT 1537

SIZE 1 3/4 MAKE G-2 WT. & GR. 298 NO. JOINTS 2 FEET 298 SET AT 6335

TIME DISTRIBUTION - HOURS

ACTIVITY	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL	1/2	
REAMING		
CONDITIONING MUD & CIRCULATING	3	2
TRIPS	6 1/2	3
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		1/2
REPAIR RIG		
CORING		6 1/2
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER	2	

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		
		STANDS D.P.	FT.	TIME	WEIGHT	VISC.-SEC
103	STANDS D.P.	9135.91	FT.	12:00	200	320
1	SINGLES D.P. D.C.	693.98	FT.	13.1	13.1	13.1
21	I.D. 6 1/2 O.D. D.C.	651.09	FT.	55	54	53
9	STB. BODY O.D.	537.9	FT.			
2	STB. BODY O.D.	6.03	FT.			
1	OR C.B.	100	FT.			
1	SUBS	4.90	FT.			
1	KELLY DOWN	43	FT.			
TOTAL			FT.			
WT. OF STRING	220,000	LBS.				

REMARKS: 1. BUMPER sub. 6 3/4 x 15'

DRILLER: H. LESPERANCE

FOOTAGE		DR. D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO.		METHOD RUN
FROM	TO			LINEAR SIZE	S.P.M.	LINEAR SIZE				S.P.M.	SGL-S PAR'EL-P COM'D-C			
9942	D					80	42	3000	6 3/4	30	6 3/4	20	P	
1200	1230	1/2												
1230	0330	3												
0330	0730	4												
0730	0930	2												
0930	1200	2 1/2												

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

- 1200 1230 1/2 Delq. Drilling break @ 9936 Delq. To 9942
- 1230 0330 3 Circ. bottom up
- 0330 0730 4 Pulling out of hole
- 0730 0930 2 Pick up core BBbs - Bumper sub. + Service same.
- 0930 1200 2 1/2 Run in hole w/ core. BIT #1

WIRE LINE RECORD

REEL NO. 19294A

NO. OF LINES 10 SIZE 1 7/8

FEET SLIPPED

FEET CUT OFF 2324

PRESENT LENGTH 2626

TON MI. OR TRIPS SINCE LAST CUT 0

CUMULATIVE TON MI. OR TRIPS 55624

NO. OF DAYS FROM SPUD 35

CUMULATIVE ROTATING HRS.

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		
		STANDS D.P.	FT.	TIME	WEIGHT	VISC.-SEC
106	STANDS D.P.	9402.00	FT.			
1	SINGLES D.P. D.C.	44.36	FT.			
12	I.D. 6 1/2 O.D. D.C.	371.93	FT.			
6	STB. BODY O.D.	35.00	FT.			
3	STB. BODY O.D.	6.00	FT.			
1	OR C.B.	71.75	FT.			
1	SUBS	15.00	FT.			
1	KELLY DOWN	44.00	FT.			
TOTAL		9990.92	FT.			
WT. OF STRING	204,000	LBS.				

REMARKS:

DRILLER

FOOTAGE		DR. D RM. R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO.		METHOD RUN
FROM	TO			LINEAR SIZE	S.P.M.	LINEAR SIZE				S.P.M.	SGL-S PAR'EL-P COM'D-C			
9942	9990	C	1			150	20	900	6 3/4	32			S	
1200	1230	1/2												
1230	1400	1 1/2												
1400	1600	2												
1600	2230	6 1/2												
2230	2400	1 1/2												

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

- 1200 1230 1/2 Cut delq line 94'
- 1230 1400 1 1/2 Finish trip in & pick up 6 1/2 DP
- 1400 1600 2 Circ. bottoms up
- 1600 2230 6 1/2 CORING
- 2230 2400 1 1/2 Pulling core #1

OPERATOR: Phillips Petroleum Co
 CONTRACTOR: O.D.E.C.O.
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: C.O. Seaborn
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: E.S. Little
 LEASE: COD. PROSPECT 7-11
 WELL NO.: 2.1
 FIELD OR DIST.: Norwegian cont (Solely)
 COUNTY: NORTH SEA
 STATE: Norway
 RIG NO.: 10
 DRILL PIPE STRING NO.: 15
 TOOL JOINT: 6'4" O.D.
 TYPE THD: Xid
 PUMPS:
 1. NAT 1300 16
 2. NAT 1300 16
 3. G.D. 4x9 16
 LAST CASING TUBING OR LINER: 30 309 2 242 435
 20 153 20 240 1537
 13 1/4 65 238 6385

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD				
RIG UP & TEAR DOWN	NIGHT	DAY	NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DR-D RM-R CORE-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGS PAR'EL-P COM'D-C	
12			99	9312.38 FT.	9	12:00	6100	1140		9085	9370											
			1	44.72 FT.	12 1/4		13.9	1346	13.5													
			15	465.31 FT.	Security		66	57	59													
			5	34.51 FT.	5.33		8.4															
			1	4.60 FT.	3																	
			3	9.60 FT.	18/32																	
			1	16.00 FT.	945563																	
			1	39.00 FT.																		
			TOTAL	9390 FT.																		
			WT. OF STRING	2.32000 LBS.																		
REMARKS: B.S. # 7. 17 hrs. DRNG Bit Torque 3.25																						
DRILLER: J. Hesterman																						

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD				
RIG UP & TEAR DOWN	NIGHT	DAY	NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	DR-D RM-R CORE-C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGS PAR'EL-P COM'D-C	
12		13	102	9042.95 FT.	9	1400	2100			9370	9615											
			15	465.31 FT.	12 1/4		13.5	13.2														
			5	34.51 FT.	Security		62	63														
			1	4.60 FT.	5.33																	
			3	9.60 FT.	3																	
			1	16.00 FT.	18/32																	
			1	39.00 FT.	945563																	
			TOTAL	9615 FT.																		
			WT. OF STRING	2.30000 LBS.																		
REMARKS: B.S. # 7. 29 hrs																						
DRILLER: Robert F. H. Vay																						

DAILY DRILLING REPORT

REPORT NO. 32

DATE 8-21-69

OPERATOR: P.P.C.O. LEASE: COO. PROSPECT

CONTRACTOR: P.P.C.O. RIG NO. 10

WELL NO. 2112X FIELD OR DIST. NORWEGIAN COUNTY North Sea STATE Norway

DRILL PIPE STRING: 6 1/2" O.D. TYPE THD. 5" X 4"

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NATI.	M-1300	16		30"		309			342	435	
2.	"	M-1300	16		20"		133			340	1537	
3.	A.O.	EXP.	16		13 7/8"		68			338	6395	

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

TIME DISTRIBUTION-HOURS		
RIG UP & TEAR DOWN	NIGHT	DAY
DRILLING ACTUAL	5	
REAMING	3	
CONDITIONING MUD & CIRCULATING		
TRIPS	4	4
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		5
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		3
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
96	STANDS D.P. 8515.07 FT.	BIT NO. 8	SIZE 12 1/4	TIME 12:00 4:00 7:00	WEIGHT 13.9 13.9 13.8	FROM 8998	TO 9085				SHALE									
	SINGLES D.P. FT.	MFG. H.T.C.	TYPE XIG-2L	VISC.-SEC 10.6 62 57	W.L.-C.C. 10.6 9.6 9.															
	153 I.D. 8 O.D. 465.2 FT.	NOZZLE NO. OPEN	SIZE	FLTR. CK.	PH															
	5 STB. BODY 8" O.D. 34.51 FT.	SER. NO. UK 43432	DEPTH OUT 9085	SD. CONT. %																
	1 RMR. BODY O.D. 4.60 FT.	DEPTH IN 8998	TOTAL FTG. 87	MUD & CHEMICALS ADDED																
	2 SUBS O.D. 6.00 FT.	TOTAL HR. RUN 5	COND. OF BIT	CAUSTK 35%																
	1 BIT OR C.B. 1.00 FT.	REAMER NO.	REAMER TYPE	DRISPAK 75%																
	1 BUMPERS 16.00 FT.	REMARKS	Bumper sub #7 - 5 DRILG HRS.																	
	1 KELLY DOWN 43.00 FT.																			
	TOTAL 9085.00 FT.																			
	WT. OF STRING 218,000 LBS.																			

TIME LOG		ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																	
FROM 1400	TO 0130	1 1/2	CLEANING OUT, REAMING & WASHING FROM 8998 TO 9085																	
FROM 0130	TO 0230	1	DRILG																	
FROM 0230	TO 0400	1 1/2	REAMING TIGHT HOLE, TO REDUCE TORQUE & REDUCE EXCESS DRAG WHILE PULLING UP OFF BOTTOM.																	
FROM 0400	TO 0800	4	DRILG																	
FROM 0800	TO 1200	4	DROP SURVEY, PULL OUT TO CHANGE BITS																	

TIME SUMMARY (OFFICE USE ONLY)		
DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK	12	12

WIRE LINE RECORD		
REEL NO.	19294-A	
NO. OF LINES	10	SIZE 1 3/8
FEET SLIPPED		
FEET CUT OFF	2280	
PRESENT LENGTH	2220	
TON MI. OR TRIPS SINCE LAST CUT	1323	
CUMULATIVE TON MI. OR TRIPS	54412	
NO. OF DAYS FROM SPUD	31	
CUMULATIVE ROTATING HRS.		

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
96	STANDS D.P. 8515.07 FT.	BIT NO. 9	SIZE 12 1/4	TIME	WEIGHT	FROM 9085	TO													
	SINGLES D.P. FT.	MFG. Security	TYPE 53.1	VISC.-SEC	W.L.-C.C.															
	15 I.D. 8 O.D. 465.2 FT.	NOZZLE NO. 3	SIZE 1 3/8	FLTR. CK.	PH															
	5 STB. BODY 8" O.D. 34.51 FT.	SER. NO. 945563	DEPTH OUT	SD. CONT. %																
	1 RMR. BODY O.D. 4.60 FT.	DEPTH IN 9085	TOTAL FTG. 0	MUD & CHEMICALS ADDED																
	3 SUBS O.D. 9.60 FT.	TOTAL HR. RUN 0	COND. OF BIT																	
	1 BIT OR C.B. 1.00 FT.	REAMER NO.	REAMER TYPE																	
	1 B sub 16.00 FT.	REMARKS	B.S. #7 - 5 DRILG HRS.																	
	1 KELLY DOWN 40.00 FT.																			
	TOTAL 9085.00 FT.																			
	WT. OF STRING 218,000 LBS.																			

TIME LOG		ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																	
FROM 1200	TO 1400	2	P.O.H. to bit 5LM DR NO CORRECTION																	
FROM 1400	TO 1900	5	Retrieve bore procter & run test plug test BOP & choke & kill lines w/2500# - Retrieve test plug & land bore procter.																	
FROM 1900	TO 2000	1	Change saver sub & valve on Kelly																	
FROM 2000	TO 2200	2	Run 35th PCs in hole & move barge back over hole																	
FROM 2200	TO 2400	2	Going in hole w/bit #9 & dunk sub																	

DAILY DRILLING REPORT

REPORT NO: 31

DATE 8-20-68

OPERATOR: PHILLIP PET. CO. LEASE: COO. PROSPECT

CONTRACTOR: ODECO NORWAY INC. RIG NO: 10

WELL NO: 7-11-2X FIELD OR DIST: NORWEGIAN CONT. S. ELF COUNTY: NORTH SEA STATE: NORWAY

NO.	DRILL PIPE STRING	TOOL JOINT	O.D.	NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1	7	5"	5XH	1	NATIONAL	N-1300	16		30"		309			342	435	
2				2	"	N-1300	16		20"		133			340	1537	
3				3	G.D.	FXQ	16		13 3/4"		68			338	6385	

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Seabeen SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. J. D. & B. Ruble

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD			MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD						
RIG UP & TEAR DOWN			83	STANDS D.P.	7405	71 FT.	BIT NO.	8	TIME	1200	700	1100	FROM	TO	DR. D RM. R CORE...C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S. PAR. EL. P. COM. D. C.
DRILLING ACTUAL				SINGLES D.P.		FT.	SIZE	12 1/2	WEIGHT	13.2	13.1	13.2							80	2000	6 3/4	45	6 3/4	45	
REAMING		12		I.D. O.D.		FT.	MFG.	H.T.C.	VISC.-SEC	54	50	54													
CONDITIONING MUD & CIRCULATING	2 1/2			D.C.			NOZZLE NO.	X16 1/2	FLTR. CK.																
TRIPS	1/2			15 3" I.D. 8" O.D.	465.2	FT.	NOZZLE SIZE	OPEN	PH																
LUBRICATE RIG				5 STB. BODY 8" O.D.	34.5	FT.	SER. NO.	UK 43432	SD. CONT. %																
DEVIATION SURVEY				1 RMR. BODY 8" O.D.	4.60	FT.	DEPTH OUT																		
TEST B.O.P.				2 SUBS O.D.	6.00	FT.	DEPTH IN	8998																	
CUT OFF DRILLING LINE				1 BIT OR C.B.	1.00	FT.	TOTAL FTG.																		
REPAIR RIG				1 BUMPER S.	16.00		TOTAL HR. RUN																		
CORING				KELLY DOWN	53.97	FT.	COND. OF BIT																		
WIRE LINE LOGGING				TOTAL	7987.00	FT.	REAMER NO.																		
RUNNING CASING & CEMENTING				WT. OF STRING	208,000	LBS.	REAMER TYPE																		
WAITING ON CEMENT																									
DRILL STEM TEST																									
OTHER		9																							
FISHING																									
COMPLETION WORK																									
A. PERFORATING																									
B. TUBING TRIPS																									
C. SWABBING																									
D. TESTING																									
E. ADDITIONAL																									
TOTALS		12	12																						

DRILLER: V. Arndt

TIME SUMMARY (OFFICE USE ONLY)			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD			MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD						
DAY WORK			94	STANDS D.P.	8332	59 FT.	BIT NO.	8	TIME	1600	2100	FROM	TO	DR. D RM. R CORE...C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S. PAR. EL. P. COM. D. C.	
HRS. W/DP				SINGLES D.P.		FT.	SIZE	12 1/2	WEIGHT	13.5	13.8														
HRS. WO/DP				I.D. O.D.	465.2	FT.	MFG.	H.T.C.	VISC.-SEC	55	64														
HRS. STANDBY				D.C.			NOZZLE NO.	X16 1/2	FLTR. CK.																
TOTAL DAY WORK				5 STB. BODY 8" O.D.	34.5	FT.	NOZZLE SIZE	OPEN	PH																
WIRE LINE RECORD				1 RMR. BODY 8" O.D.	4.60	FT.	SER. NO.	UK 43432	SD. CONT. %																
REEL NO.	19294-A			2 SUBS O.D.	6.00	FT.	DEPTH OUT																		
NO. OF LINES	10	SIZE	1 3/8	1 BIT OR C.B.	1.00	FT.	DEPTH IN	8998																	
FEET SLIPPED				TOTAL	8909.90	FT.	TOTAL FTG.																		
FEET CUT OFF	2280			WT. OF STRING	205,000	LBS.	TOTAL HR. RUN																		
PRESENT LENGTH	2720						COND. OF BIT																		
TON MI. OR TRIPS SINCE LAST CUT	968						REAMER NO.																		
CUMULATIVE TON MI. OR TRIPS	54057						REAMER TYPE																		
NO. OF DAYS FROM SPUD	30																								
CUMULATIVE ROTATING HRS.																									

DRILLER: Robert E. H. Way

No 2247

DAILY DRILLING REPORT

REPORT NO. 30

DATE 8-19-68

OPERATOR: PHILLIPS PET. CO
 LEASE: COD PROSPECT
 WELL NO.: 7-11-22
 FIELD OR DIST.: NORWEGIAN CON SHELF
 COUNTY: NORTH SEA
 STATE: NORWAY

CONTRACTOR: ODECO
 RIG NO.: 10
 DRILL PIPE STRING: 6 1/4" O.D.
 TOOL JOINT: 5 XH
 TYPE THD: 5 XH

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Seaman
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: R.C. Ruble

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NATIONAL	N-1300	16"		30		309			342	435	
2.	"	N-1300	16"		20		135			340	1537	
3.	G.I.D.	FXQ	16"		13 3/4		68			338	6385	

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN SGL. S. PAR. E. P. COM'D. C.
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO			DEPTH	DEV.	DIRECTION				DEPTH	DEV.	
RIG UP & TEAR DOWN			7982.28		8	12 1/4	4:00	1100	8998												
DRILLING ACTUAL																					
REAMING	11		839.45																		
CONDITIONING MUD & CIRCULATING		6																			
TRIPS	1	6																			
LUBRICATE RIG			52.70																		
DEVIATION SURVEY																					
TEST B.O.P.			416.0																		
CUT OFF DRILLING LINE			6.00																		
REPAIR RIG			1.00																		
CORING																					
WIRE LINE LOGGING			16.00																		
RUNNING CASING & CEMENTING			53.00																		
WAITING ON CEMENT			8998.00																		
DRILL STEM TEST			250,000																		
OTHER																					
FISHING																					
COMPLETION WORK																					
TOTALS	12	12																			

REMARKS: BUMPER SUB #6 - 25 1/2 DRILL HRS
 Free & Abandon Ship Drill 1200 PM - 8-19-68
 Results Good
 DRILLER: J. Arndt

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN SGL. S. PAR. E. P. COM'D. C.
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO			DEPTH	DEV.	DIRECTION				DEPTH	DEV.	
RIG UP & TEAR DOWN			5764.18		P	12 1/4	18:00	2100	8998												
DRILLING ACTUAL																					
REAMING			465.21																		
CONDITIONING MUD & CIRCULATING																					
TRIPS																					
LUBRICATE RIG			42.11																		
DEVIATION SURVEY																					
TEST B.O.P.			3.00																		
CUT OFF DRILLING LINE			1.00																		
REPAIR RIG			16.00																		
CORING			55.00																		
WIRE LINE LOGGING			6346.50																		
RUNNING CASING & CEMENTING			175,000																		
WAITING ON CEMENT																					
DRILL STEM TEST																					
OTHER																					
FISHING																					
COMPLETION WORK																					
TOTALS																					

REMARKS: Work blind runs 2 1/2" pipe runs O.K.
 Trip to stand back 12 OC - take jets out of bit & change bumper sub
 CIR @ bottom of csg to condition mud @ 6325'
 DRILLER: Robert L. McWay

OPERATOR: PHILLIPS PET. CO. LEASE: COO. PROSPECT 7-11-22 NORWEGIAN CON. SHELF COUNTY: NORTH SEA. STATE: NORWAY

CONTRACTOR: ODECO RIG NO. 10

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NATIONAL	N-1300	16"		30		309			342	435	
2.	"	N-1300	16"		20		135			340	1587	
3.	C.D.	FXG	16"		13 3/8		68			358	6385	

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL-S PAR-EL-COM'D-C	
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO										DEPTH
			90	7982.28	7	8			8998											
			1	44.30	12 1/4	12 1/4														
			273	839.45	X3A1	X1G0														
			8	52.70	3	3														
			1	4.60																
			2	6.00																
			1	1.00																
			1	16.00																
				53.00																
				8998.00																
				250.00																
REMARKS			Bumper sub #6 - 25 1/2 DRLG. HRS. USED ONE NEW STAB. RUBBER. 12 1/4" TALLY 8998.57 MEASURED 8996.61 DIFF. - 1.96 No CORRECTION MADE																	
			DRILLER: V. Arnoldt																	

TIME DISTRIBUTION-HOURS	NIGHT	DAY	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL-S PAR-EL-COM'D-C	
			STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO										DEPTH
			90	7982.28	8				1500	1800	2200									
			5	44.30	12 1/4				12.5	12.7	13.0									
			273	839.45	X1G5				85	97	71									
			8	52.70	3						332									
			1	4.60							9.6									
			1	3.00																
			1	3.06																
				53																
				8998																
				252.00																
REMARKS			Washing out from 6660-7000 hole fall in work two JTS out pull 100,000 more than pipe wt & pull 13 stds tight @ 6900 to 7000																	
			Circ & cond mud @ 6470																	
			In hole 4/13 stds break, circ wash from 7000 7000 fall in work two JTS out																	
			Circ @ 6940																	

Robert L. Bung
DRILLER

No 2245

DAILY DRILLING REPORT

REPORT NO. 28

DATE 8-17-68

OPERATOR: PHILLIPS PET. CO. LEASE: COD. PROSPECT. WELL NO.: 7-11-2X. FIELD OR DIST.: NORWEGIAN CON-SHELF. COUNTY: NORTH SEA. STATE: NORWAY.

CONTRACTOR: ODECO. RIG NO.: 10. DRILL PIPE STRING: 6 1/2" O.D. TYPE THD: 5 X H. PUMPS: NATIONAL N-1300 16", G.D. N-1300 16", G.D. FXG 16".

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]. SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature].

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN				
NIGHT	DAY		NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	PAR. E.L. COM'D-C	
12	8		26	7627.11 FT.	7	1400	11.7	65	12	8600	8998	SHALE	120	250	300	6 3/4	34	6 3/4	33		
			27	836.87 FT.																	
			8	526.2 FT.																	
			1	650 FT.																	
			2	600 FT.																	
			1	100 FT.																	
			1	1600 FT.																	
			1	539 FT.																	
				8600 FT.																	
				244,000 LBS.																	
REMARKS: BUMPER SUB #6 - 17 1/2 DRLG HRS																					

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN				
NIGHT	DAY		NO.	STANDS D.P.	BIT NO.	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM	TO	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	PAR. E.L. COM'D-C	
			29	4430 FT.	7	1400	11.7	65	12	8600	8998	SHALE	120	250	300	6 3/4	35	6 3/4	35		
			27	839.45 FT.																	
			8	52-70 FT.																	
			1	465 FT.																	
			1	306 FT.																	
			1	300 FT.																	
				8998 FT.																	
				250,000 LBS.																	
REMARKS: caustic 4 cans 19 ton, DMS 3 drums, Desco 9SX, Sperscon 45"																					

DAILY DRILLING REPORT

REPORT NO. 27

DATE 8-16-68

OPERATOR: PHILLIPS PET. Co. LEASE: COO. PROSPECT
 CONTRACTOR: ODECO. RIG NO.: 10
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: J.E. Winget
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Ray Buckley, M. Bentley
 WELL NO.: 7-11-2X FIELD OR DIST.: NORWEGIAN CON SHELF COUNTY: NORTH SEA STATE: NORWAY
 PUMPS: NATIONAL N-1300 16" STROKE LENGTH 16" (3 pumps)
 LAST CASING TUBING OR LINER: G.I. 16" (3 pumps)
 SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS
 30 309 433
 20 133 1587
 13 68 6385

TIME DISTRIBUTION - HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)			PUMP NO.			METHOD RUN																			
RIG UP & TEAR DOWN	NIGHT	DAY	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION					
DRILLING ACTUAL	4	5 1/2	177	6872.09	6	12 1/4	12.1	12.1	71					7682	7846	4	DRILL																				
REAMING Wash		1 1/2	273	836.87		H.T.C.																															
CONDITIONING MUD & CIRCULATING	4					X3A.L.																															
TRIPS	4	5				NOZZLE NO. 3 SIZE 1 1/32																															
LUBRICATE RIG																																					
DEVIATION SURVEY																																					
TEST B.O.P.																																					
CUT OFF DRILLING LINE																																					
REPAIR RIG																																					
CORING																																					
WIRE LINE LOGGING																																					
RUNNING CASING & CEMENTING																																					
WAITING ON CEMENT																																					
DRILL STEM TEST																																					
OTHER																																					
FISHING																																					
COMPLETION WORK																																					
A. PERFORATING																																					
B. TUBING TRIPS																																					
C. SWABBING																																					
D. TESTING																																					
E. ADDITIONAL																																					
TOTALS			17	12																																	

TIME SUMMARY (OFFICE USE ONLY)			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)			PUMP NO.			METHOD RUN																			
DAY WORK	HRS. W/DP	HRS. WO/DP	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %	FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION					
			80	7094.15	7	12 1/4	1700	12.2	56	10.8				7846	8054	1																					
			87	8394.5		H.T.C.																															
						X3A.L.																															
						NOZZLE NO. 3 SIZE 1 1/32																															

No. 2243

DAILY DRILLING REPORT

REPORT NO. 26

DATE 9-15-68

OPERATOR P.P. Co		LEASE COD PROSPECT		WELL NO. T-112-X	FIELD OR DIST. NORWEGIAN CO. T. SHELF	COUNTY NORTH SEA	STATE NORWAY						
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 1/2"	PUMPS		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER					
				1.	NATIONAL	N-1300	16"	30		309		435	
				2.	"	N-1300	16"	20		133		1587	
				3.	G.I.D.	FXQ	16"	13 3/4		68		6385	

TIME DISTRIBUTION-HOURS			NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
NIGHT	DAY				STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT			FROM	TO	DEPTH				DEV.	DIRECTION	
			71	STANDS D.P. 6297.0 FT.	6	12 1/4"	12.2	12.2	7270	-											
	11			SINGLES D.P. FT.																	
			27	8" I.D. 838.8 FT.																	
				D.C.																	
	1			I.D. O.D. FT.																	
			8	STB. BODY 8" O.D. 52.6 FT.																	
				STB. BODY O.D. FT.																	
			1	RMR. BODY 8" O.D. 6.50 FT.																	
				RMR. BODY O.D. FT.																	
			2	SUBS O.D. 6.00 FT.																	
				SUBS O.D. FT.																	
	12		1	BIT OR C.B. 1.00 FT.																	
				BIT OR C.B. FT.																	
			1	BUMPERS 16.00																	
				BUMPERS FT.																	
				KELLY DOWN 55.00 FT.																	
				KELLY DOWN FT.																	
				TOTAL 7270.0 FT.																	
				TOTAL FT.																	
				WT. OF STRING 210,000 LBS.																	
				WT. OF STRING LBS.																	
REMARKS																					
DRILLER <i>V. Curada</i>																					

TIME DISTRIBUTION-HOURS			NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)			ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
NIGHT	DAY				STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT			FROM	TO	DEPTH				DEV.	DIRECTION	
			76	STANDS D.P. 6714.3 FT.	6	12 1/4"	14.00 18.00 23.00	12.2 12.3 12.3	7270	7682											
				SINGLES D.P. FT.																	
			27	8" I.D. 838.8 FT.																	
				D.C.																	
				I.D. O.D. FT.																	
			8	STB. BODY 8" O.D. 52.6 FT.																	
				STB. BODY O.D. FT.																	
			1	RMR. BODY 8" O.D. 4.60 FT.																	
				RMR. BODY O.D. FT.																	
			X	SUBS O.D. 3.06 FT.																	
				SUBS O.D. FT.																	
			1	BIT OR C.B. 3.00 FT.																	
				BIT OR C.B. FT.																	
			1	B.S. 16.00																	
				B.S. FT.																	
				KELLY DOWN 12 FT.																	
				KELLY DOWN FT.																	
				TOTAL 7682 FT.																	
				TOTAL FT.																	
				WT. OF STRING 232,000 LBS.																	
				WT. OF STRING LBS.																	
REMARKS																					
DRILLER <i>Robert S. Ruch</i>																					

DAILY DRILLING REPORT

REPORT NO. 19 DATE 8-10-68

OPERATOR: Phillips PETE CO. LEASE: C.O.D. PROSPECT 7-11

CONTRACTOR: ODECO RIG NO: 10

WELL NO: 2X FIELD OR DIST: NORWEGIAN CONT SHEL4 COUNTY: NORTH SEA STATE: NORWAY

NO.	MANUFACTURER	TYPE	STROKE LENGTH	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	NAT	1200	16	30			2	80	342	435	
2.	"	"	"	20			30	1239	340	1587	
3.	G.R.	4x9	16								

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Seaborn SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Lee Blubble F.L. Little

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN					
RIG UP & TEAR DOWN			STANDS D.P.	5908.47 FT.	BIT NO.	1 R.R.	TIME	0200 0600 0800	FROM	TO	DR. D. RM. R. CORE-C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	METHOD RUN	
DRILLING ACTUAL			SINGLES D.P.		SIZE	1 7/8	WEIGHT	14.3 14.2 14.3	6424	6500				90	1500	2600	7/4	54	6 3/4	54	9	
REAMING			D.C.		MFG.	H.T.C.	VISC.-SEC	115 112 110														
CONDITIONING MUD & CIRCULATING			I.D. O.D.	496.42 FT.	TYPE	OSC 3A	W.L.-C.C.															
TRIPS	3		I.D. O.D.		NOZZLE NO.	NONE	FLTR. CK.															
LUBRICATE RIG			STB. BODY O.D.	39.48 FT.	NOZZLE SIZE		PH															
DEVIATION SURVEY			STB. BODY O.D.		SER. NO.	UK 49091	SD. CONT. %															
TEST B.O.P.			RMR. BODY O.D.		DEPTH OUT	6500																
CUT OFF DRILLING LINE			SUBS O.D.	6.06 FT.	DEPTH IN																	
REPAIR RIG			BIT OR C.B.	1.00 FT.	TOTAL FTG.																	
CORING			Bumper	16.00	TOTAL HR. RUN																	
WIRE LINE LOGGING	9		KELLY DOWN	55 FT.	COND. OF BIT																	
RUNNING CASING & CEMENTING			TOTAL	6500.37 FT.	REAMER NO.																	
WAITING ON CEMENT			WT. OF STRING	165,000 LBS.	REAMER TYPE																	
DRILL STEM TEST			REMARKS: Macoobar 215 Caustic Soda 600# Rotary Torque 300-450 12 TONS BARITE																			
OTHER			Total hrs. on Bumper Sub # 5. 18 hrs. DRILLER: Harold D. MacFarlane																			
FISHING																						
COMPLETION WORK																						
TOTALS	12																					

TIME DISTRIBUTION—HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN					
DAY WORK			STANDS D.P.	5908.47 FT.	BIT NO.	1 R.R.	TIME		FROM	TO	DR. D. RM. R. CORE-C	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	METHOD RUN	
HRS. W/DP			SINGLES D.P.		SIZE	1 7/8	WEIGHT		6500	TD												
HRS. WO/DP			D.C.		MFG.	H.T.C.	VISC.-SEC															
HRS. STANDBY			I.D. O.D.	496.42 FT.	TYPE	OSC 3A	W.L.-C.C.															
TOTAL DAY WORK			D.C.		NOZZLE NO.	NONE	FLTR. CK.															
WIRE LINE RECORD			STB. BODY O.D.	39.48 FT.	NOZZLE SIZE		PH															
REEL NO. 1920-48			STB. BODY O.D.		SER. NO.	UK 49091	SD. CONT. %															
NO. OF LINES 16 SIZE 1 3/8			RMR. BODY O.D.		DEPTH OUT	6500																
FEET SLIPPED			SUBS O.D.	6.06 FT.	DEPTH IN																	
FEET CUT OFF 2190			BIT OR C.B.	1.00 FT.	TOTAL FTG.																	
PRESENT LENGTH 2810			Bumper	16.00	TOTAL HR. RUN																	
TON MI. OR TRIPS SINCE LAST CUT 1539			KELLY DOWN	55 FT.	COND. OF BIT																	
CUMULATIVE TON MI. OR TRIPS 52446			TOTAL	6500.37 FT.	REAMER NO.																	
NO. OF DAYS FROM SPUD 18			WT. OF STRING	165,000 LBS.	REAMER TYPE																	
CUMULATIVE ROTATING HRS.			REMARKS: Change heads & liners in #1 pump to 6 3/4" DRILLER: Robert E. Mulloy																			



No 2234

DAILY DRILLING REPORT

REPORT NO. 18 DATE 8-1-68

OPERATOR: PHILLIPS PET. CO. NORWAY
 LEASE: COD. PROSPECT 7 11
 WELL NO.: 2-X FIELD OR DIST.: NORWEGIAN CONT. SHELF COUNTY: NORTH SEA STATE: NORWAY

CONTRACTOR: ODECO RIG NO.: 10
 DRILL PIPE STRING: 6 1/4 O.D. TYPE THD. 5XH
 PUMPS: 1. NATIONAL N-1300 16" STROKE LENGTH 16"
 2. " N-1300 16" STROKE LENGTH 16"
 3. G.D. FXQ 16" STROKE LENGTH 16"
 LAST CASING TUBING OR LINER: 30" 20"
 SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT REMARKS
 30" 20" 2 80' 342 435'
 30" 20" 30 1239 340 1587

TIME DISTRIBUTION-HOURS

	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING	6	3 1/4
CONDITIONING MUD & CIRCULATING		3 1/4
TRIPS	6	3 1/2
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		1/2
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS	12	12

DRILLING ASSEMBLY AT END OF TOUR

NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %
63	563	220							
	SINGLES D.P.		SIZE						
	D.C.		MFG.						
	I.D. O.D.		TYPE						
	D.C.		NOZZLE NO. SIZE						
163	I.D. 8" O.D.	496.46	SER. NO.						
	STB. BODY O.D.		DEPTH OUT						
6	STB. BODY O.D.	39.38	DEPTH IN						
	RMR. BODY O.D.		TOTAL FTG.						
2	SUBS O.D.	6.06	TOTAL HR. RUN						
	BIT OR C.B.	1.00	COND. OF BIT						
1	BUMPERS	16.00	REAMER NO.						
	KELLY DOWN	55	REAMER TYPE						
	TOTAL	6246.10							
	WT. OF STRING								
	LBS.								

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	5 can	DRISPAR	8 1/2 SK
SALT	386	CMG	2 1/2 SK
DESCO	22	SOLTEX	43 SK
SULFATE	3 3/4	GEL	3 7/8
		BARITE	30

REMARKS: CLEANING OUT FROM 5974' TO 6195'. COOL

DRILLER: J. Cundt

FOOTAGE

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
5975	6246		
2400	0600	6	CLEANING OUT FROM 5974' TO 6195'
0600	1800	6	COOL

FORMATION (SHOW CORE RECOVERY)

DEVIATION RECORD

TIME LOG

WIRE LINE RECORD

REEL NO. 1924-45A

NO. OF LINES 10 SIZE 1 3/8

FEET SLIPPED

FEET CUT OFF 2190

PRESENT LENGTH 2810

TON MI. OR TRIPS SINCE LAST CUT 1320

CUMULATIVE TON MI. OR TRIPS 5220 1/2

NO. OF DAYS FROM SRUD. 17

CUMULATIVE ROTATING HRS.

DRILLING ASSEMBLY AT END OF TOUR

NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	W.L.-C.C.	FLTR. CK.	PH	SD. CONT. %
65	5818	86	1 RR	2300	14.5	110			
0	SINGLES D.P.		SIZE						
	D.C.		MFG.						
16	I.D. 8" O.D.	496.42	TYPE						
	D.C.		NOZZLE NO. SIZE						
6	STB. BODY O.D.	39.48	SER. NO.						
	STB. BODY O.D.		DEPTH OUT						
	RMR. BODY O.D.		DEPTH IN						
2	SUBS O.D.	6.06	TOTAL FTG.						
1	BIT OR C.B.	1.00	TOTAL HR. RUN						
1	Bsub	16.00	COND. OF BIT						
	KELLY DOWN	40.00	REAMER NO.						
	TOTAL	6424.82	REAMER TYPE						
	WT. OF STRING	16000							
	LBS.								

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gell	125x	DRISPAR	75x
Caustic	9 can	CMG	155x
DESCO	315x	BAR ROTN	1630
Sulfate	295x	S. BAR	2155x
		SOLTEX	115x
		DMS	1 DRUM

REMARKS: 9 hrs on bumper sub #5 wash & Ream Time

DRILLER: Robert E. McVay

FOOTAGE

FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6424	6424		at/out depth.
1200	1230	1/2	Clean sump on shale shaker
1230	1500	2 1/2	Finish Bit Trip & change bumper sub
1500	1530	1/2	Washing out
1530	1630	1	Cir bottoms up to clean hole
1630	2400	7 1/2	Washing out 6195-6424

FORMATION (SHOW CORE RECOVERY)

DEVIATION RECORD

TIME LOG

FORM 2T-3 APPROVED PRINTED IN U.S.A.

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 17

DATE 8-6-68

OPERATOR: PHILLIPS PET. CO. LEASE: COO. PROSPECT

CONTRACTOR: ODECO NORWAY RIG NO. 10

WELL NO. 2-8 FIELD OR DIST. NORWEGIAN CONT. SHELF COUNTY NORTH SEA STATE NORWAY

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Seaborn SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Lee G. Rube

NO.	DRILL PIPE STRING	TOOL JOINT	NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	5"	5'XH	1.	NATIONAL	N-1300	16"		30"					342		
2.			2.	"	"	16"		20"					340		
3.			3.	G.D.	FXG	16"									

TIME DISTRIBUTION-HOURS		NIGHT	DAY
RIG UP & TEAR DOWN			
DRILLING ACTUAL			
REAMING	9 1/2	12	
CONDITIONING MUD & CIRCULATING	1 1/2		
TRIPS	1		
LUBRICATE RIG			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILLING LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
RUNNING CASING & CEMENTING			
WAITING ON CEMENT			
DRILL STEM TEST			
OTHER			
FISHING			
COMPLETION WORK			
A. PERFORATING			
B. TUBING TRIPS			
C. SWABBING			
D. TESTING			
E. ADDITIONAL			

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD			FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			TIME	WEIGHT	VISC.-SEC.	W.L.-C.C.	FLTR. CK.							PH	SD. CONT. %	
58	STANDS D.P. 58	BIT NO. 4	TIME 220	WEIGHT 8100	VISC.-SEC. 1200	FROM	TO									
1	SINGLES D.P. 1	SIZE 1 1/2	15.8	14.1	14.3	70	6543									
16	3 I.D. 8" O.D. 496.36 FT. D.C.	MFG. H.T.C.														
6	STB. BODY O.D. 39.48 FT.	NOZZLE NO. 3														
2	RMR. BODY O.D. 6.06 FT.	SIZE 22														
1	SUBS O.D. 1.00 FT.	SER. NO. UK 46345														
1	BIT OR C.B. 16.00	DEPTH OUT 6543														
1	KELLY DOWN 55.00	DEPTH IN 5110														
	TOTAL 162,000 LBS.	TOTAL FTG. 432														
REMARKS			MUD & CHEMICALS ADDED			TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
Bumper sub #4 0 Drlg hrs 45 wash & ream hrs			Salt 3' Sulpac 47 Desco 245x			2400 0100 1		RUN IN TO 5077'								
			BARM 497 Desco 245			0100 0430 3 1/2		REAMING FROM 5077' TO 5343'								
			CMC 225K DMS 1 DMS			0430 0600 1 1/2		CIRC. WORK PIPE, RAISE MUD WT								
			DRISPA 66 CAUSTIC 9			0600 1200 6		REAM FROM 5343' TO 5709'								

TOTALS		NIGHT	DAY
12	12		
TIME SUMMARY (OFFICE USE ONLY)			
DAY WORK			
HRS. W/DP			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			
WIRE LINE RECORD			
REEL NO.	1920-48		
NO. OF LINES	10	SIZE	1 3/8
FEET SLIPPED			
FEET CUT OFF	2190		
PRESENT LENGTH	2810		
TON MI. OR TRIPS SINCE LAST CUT	1095		
CUMULATIVE TON MI. OR TRIPS	51922		
NO. OF DAYS FROM SPUD	16		
CUMULATIVE ROTATING HRS.			

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD			FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN
			TIME	WEIGHT	VISC.-SEC.	W.L.-C.C.	FLTR. CK.							PH	SD. CONT. %	
61	STANDS D.P. 61	BIT NO. 4	TIME 1500	WEIGHT 2100	VISC.-SEC. 1200	FROM	TO									
5	SINGLES D.P. 5	SIZE 1 1/2	14.6	98	92	70	6543									
16	I.D. 8" O.D. 496.46 FT. D.C.	MFG. H.T.C.														
6	STB. BODY O.D. 39.48 FT.	NOZZLE NO. 3														
2	RMR. BODY O.D. 6.06 FT.	SIZE 1 1/16														
1	SUBS O.D. 1.00 FT.	SER. NO. UK 46345														
1	BIT OR C.B. 16.00	DEPTH OUT 6543														
1	KELLY DOWN 55.00	DEPTH IN 5110														
	TOTAL 164,000 LBS.	TOTAL FTG. 432														
REMARKS			MUD & CHEMICALS ADDED			TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS								
Bumper sub #4 0 Drlg hrs 54 wash & ream hrs			Salt 300sx Bar 60sx			1200 2100 9		Wash out to 5924								
			5x BAR 432 CMC 32sx			2100 2400 3		Hole casing - pull back to 5242 to break CIR. & wash back to 5924								
			Saltex 125x Drispac 16sx													
			Bell 13sx Sulpac 20sx													

DAILY DRILLING REPORT

REPORT NO. 156 DATE 8-5-68

OPERATOR: Phillips Petro Co. LEASE: Cod. Prospect

CONTRACTOR: Obecco Norway RIG NO. 10

WELL NO. 2X FIELD OR DIST. NORWAY Cont Shelf COUNTY North Sea STATE NORWAY

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M.E. [Signature]

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
1.	National	IX-1300	16		30					342		
2.	"	N-1300	16		20					1540		
3.	G D	FXG	16									

TIME DISTRIBUTION - HOURS		
RIG UP & TEAR DOWN	NIGHT	DAY
DRILLING ACTUAL		
REAMING	2 1/2	6
CONDITIONING MUD & CIRCULATING	9	
TRIPS	1/2	5 1/2
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		1/2
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
NO. 63	STANDS D.P. 5625.35 FT.	BIT NO. 4	SIZE 1 7/8	TIME 145 345 900	WEIGHT 13.6 13.6 13.4	FROM	TO	DR. D RM. R CORE. C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL. S. PAR. E. L. P. COM. D. C.
	SINGLES D.P. FT.	MFG. HTC	TYPE	VISC.-SEC 80 68 70	W.L.-C.C.								1800 74 30 74 30		
NO. 25	3 I.D. 8 O.D. 774.30 FT.	NOZZLE NO. 3	SIZE 9/32	FLTR. CK.	PH										
	D.C.	SER. NO.	DEPTH OUT 6547	SD. CONT. %											
	I.D. O.D. FT.	DEPTH IN 5710	TOTAL FTG. 437												
	STB. BODY O.D. 54.67 FT.	TOTAL HR. RUN 16	COND. OF BIT												
	STB. BODY O.D. FT.	REAMER NO.	REAMER TYPE												
	RMR. BODY O.D. FT.														
	SUBS O.D. 3.06 FT.														
	BIT OR C.B. 3.00 FT.														
	1 B.S. 16														
	KELLY DOWN 16 FT.														
	TOTAL 6543.38 FT.														
	WT. OF STRING LBS.														
REMARKS: Bumper sub #4 - 8" o hole only w/ 23 hrs - Circ. & Reaming, No W.T.															

TIME SUMMARY (OFFICE USE ONLY)		
TOTALS	12	12
DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		
WIRE LINE RECORD		
REEL NO.	1920-48	
NO. OF LINES	10	SIZE 1 3/2
FEET SLIPPED		
FEET CUT OFF	2190	
PRESENT LENGTH	2810	
TON MI. OR TRIPS SINCE LAST CUT	1095	
CUMULATIVE TON MI. OR TRIPS	51982	
NO. OF DAYS FROM SPUD	15	
CUMULATIVE ROTATING HRS.		

DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
NO. 56	STANDS D.P. 5149.83 FT.	BIT NO. 4	SIZE 1 7/8	TIME	WEIGHT 13.6	FROM	TO	DR. D RM. R CORE. C	CORE NO.	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL. S. PAR. E. L. P. COM. D. C.
	SINGLES D.P. 44.50 FT.	MFG. HTC	TYPE	VISC.-SEC 67	W.L.-C.C.										
	D.C.	NOZZLE NO. 3	SIZE 1/16	FLTR. CK.	PH										
	I.D. O.D. FT.	SER. NO. UK46345	DEPTH OUT 6547	SD. CONT. %											
	STB. BODY O.D. 39.48 FT.	DEPTH IN 5710	TOTAL FTG. 437												
	STB. BODY O.D. FT.	TOTAL HR. RUN 16	COND. OF BIT												
	RMR. BODY O.D. FT.	REAMER NO.	REAMER TYPE												
	SUBS O.D. 6.06 FT.														
	BIT OR C.B. 1.00 FT.														
	1 B sub 16.00														
	KELLY DOWN 41.00 FT.														
	TOTAL 5753.29 FT.														
	WT. OF STRING 18000 LBS.														
REMARKS: AL Stereate 25x															

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FROM	TO	ELAPSED TIME													
2400	0300	3		CIRCULATE @ 4387' COND. MUD.											
0300	0330	1/2		RUN IN TO 5285'											
0330	0800	4 1/2		CIRCULATE COND. MUD @ 5339											
0800	1030	2 1/2		REAMING FROM 5374' TO 5561'											
1030	1200	1 1/2		CIRC. CONDITION MUD.											
1200	1800	6		Clean out to 5794 - Hole sloughed in *											
1800	2200	4		Pull out of hole											
2200	2230	1/2		Change jets & snap rings in bit											
2230	2400	1 1/2		Going in hole											
* (Pulled 300'000# for 60' tools (Bare Free))															

Nº 2230

DAILY DRILLING REPORT

REPORT NO. 14 DATE 8-3-68

OPERATOR: Phillips Pet. Co. Norway
 LEASE: Cod Prospect
 CONTRACTOR: Ideco Norway
 RIG NO.: 10
 WELL NO.: 2X
 FIELD OR DIST.: Norway Cont. 9'elf
 COUNTY: North Sea
 STATE: Norway

NO.	SIZE	TYPE THD.	NO.	MANUFACTURER	TYPE	STROKE LENGTH
1	3"	5"	1	National	N-1300	16"
2	3"	5"	2	National	N-1300	16"
3	3"	5"	3	G.D.	FXQ	16"

TIME DISTRIBUTION-HOURS

	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING	4 1/2	
CONDITIONING MUD & CIRCULATING	5	5
TRIPS	1 1/2	7
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER	1	
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM							TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	LINEAR SIZE	
63	STANDS D.P.	5673.35	BIT NO.		TIME	12.4	12.3	12.2	5262	5528	AM		70	2600	7 1/4	55	7 1/4	55		
25	3 I.D. 8" O.D.	774.30	SIZE		VISC.-SEC	68	74	85	6543	TD										
8	STB. BODY 8" O.D.	54.67	MFG.		W.L.-C.C.															
1	STB. BODY 8" O.D.	3.06	NOZZLE NO.		FLTR. CK.															
1	STB. BODY 8" O.D.	16.00	NOZZLE SIZE		PH															
1	STB. BODY 8" O.D.	16.00	SER. NO.		SD. CONT. %															
1	STB. BODY 8" O.D.	16.00	DEPTH OUT																	
1	STB. BODY 8" O.D.	16.00	DEPTH IN																	
1	STB. BODY 8" O.D.	16.00	TOTAL FTG.																	
1	STB. BODY 8" O.D.	16.00	TOTAL HR. RUN																	
1	STB. BODY 8" O.D.	16.00	COND. OF BIT																	
1	STB. BODY 8" O.D.	16.00	REAMER NO.																	
1	STB. BODY 8" O.D.	16.00	REAMER TYPE																	
1	STB. BODY 8" O.D.	16.00	REMARKS	BUMPER SUB #3 - 21 R. HRS.																

WIRE LINE RECORD

REEL NO.	19204-A
NO. OF LINES	10
SIZE	1 3/8
FEET SLIPPED	
FEET CUT OFF	2190
PRESENT LENGTH	2810
TON MI. OR TRIPS SINCE LAST CUT	865
CUMULATIVE TON MI. OR TRIPS	5198.2
NO. OF DAYS FROM SPUD	13
CUMULATIVE ROTATING HRS.	

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR. D. RM. R. CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FROM							TO	ELAPSED TIME	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	LINEAR SIZE	
63	STANDS D.P.	5673.35	BIT NO.	4	TIME	12.3	12.4		6543	TD										
25	3 I.D. 8" O.D.	774.30	SIZE	1 1/2	VISC.-SEC	65	62													
8	STB. BODY 8" O.D.	54.67	MFG.	HTC	W.L.-C.C.															
1	STB. BODY 8" O.D.	3.06	NOZZLE NO.	3	FLTR. CK.															
1	STB. BODY 8" O.D.	3.06	NOZZLE SIZE	3/32	PH															
1	STB. BODY 8" O.D.	3.06	SER. NO.		SD. CONT. %															
1	STB. BODY 8" O.D.	3.06	DEPTH OUT	6547																
1	STB. BODY 8" O.D.	3.06	DEPTH IN	5110																
1	STB. BODY 8" O.D.	3.06	TOTAL FTG.	1437																
1	STB. BODY 8" O.D.	3.06	TOTAL HR. RUN	16																
1	STB. BODY 8" O.D.	3.06	COND. OF BIT																	
1	STB. BODY 8" O.D.	3.06	REAMER NO.																	
1	STB. BODY 8" O.D.	3.06	REAMER TYPE																	
1	STB. BODY 8" O.D.	3.06	REMARKS	Finish trip out hole lay down 20 fts d.p. 17 1/2" Reamer Bumpers #3 Pick up bumper sub #4 in 4" B.H.A. 68 stds d.p. Circ & Cond mud @ 1561																

FORM 27-3 APPROVED PRINTED IN U.S.A.

APPROVED

A.A.O.D.C.-A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 13 DATE 8-2-68

OPERATOR: Phillips Pet Co. LEASE: Cod Prospect
 CONTRACTOR: RIG NO. 10
 WELL NO. 2-x FIELD OR DIST. Cont. Shelf Norway COUNTY N. Sea STATE Norway
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

TIME DISTRIBUTION - HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN	
RIG UP & TEAR DOWN			STANDS D.P.	FT.	BIT NO.		TIME	12.00	4.00	11.00	FROM	TO	DR. D RM. R CORE, C	CORE NO.					
DRILLING ACTUAL			SINGLES D.P.	FT.	SIZE		WEIGHT	11.7	12.2	11.9	4143	4940							
REAMING	10 1/2	4	D.C.		MFG.		VISC.-SEC	74	68	90									
CONDITIONING MUD & CIRCULATING		8	I.D. O.D.	FT.	TYPE		W.L.-C.C.												
TRIPS	1 1/2		D.C.		NOZZLE NO. SIZE		FLTR. CK.												
LUBRICATE RIG			I.D. O.D.	FT.	SER. NO.		PH												
DEVIATION SURVEY			STB. BODY O.D.	FT.	DEPTH OUT		SD. CONT. %												
TEST B.O.P.			STB. BODY O.D.	FT.	DEPTH IN														
CUT OFF DRILLING LINE			RMR. BODY O.D.	FT.	TOTAL FTG.														
REPAIR RIG			SUBS O.D.	FT.	TOTAL HR. RUN														
CORING			BIT OR C.B.	FT.	COND. OF BIT														
WIRE LINE LOGGING					REAMER NO.														
RUNNING CASING & CEMENTING					REAMER TYPE														
WAITING ON CEMENT																			
DRILL STEM TEST																			
OTHER																			
FISHING																			
COMPLETION WORK																			
A. PERFORATING																			
B. TUBING TRIPS																			
C. SWABBING																			
D. TESTING																			
E. ADDITIONAL																			
TOTALS	12	12																	

BUMPER SUB # 3 - 12 1/2 ROTATING HRS.

DRILLER V. Arndt

TIME SUMMARY (OFFICE USE ONLY)			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN
DAY WORK			STANDS D.P.	FT.	BIT NO.		TIME	18.00	2.30		FROM	TO	DR. D RM. R CORE, C	CORE NO.				
HRS. W/DP			SINGLES D.P.	FT.	SIZE		WEIGHT	11.8	12.2		4940	5120						
HRS. WO/DP			D.C.		MFG.		VISC.-SEC	54	60									
HRS. STANDBY			I.D. O.D.	FT.	TYPE		W.L.-C.C.	85										
TOTAL DAY WORK			D.C.		NOZZLE NO. SIZE		FLTR. CK.											
WIRE LINE RECORD			I.D. O.D.	FT.	SER. NO.		PH											
REEL NO. 19204-A			STB. BODY O.D.	FT.	DEPTH OUT		SD. CONT. %											
NO. OF LINES 10 SIZE 1 3/4			STB. BODY O.D.	FT.	DEPTH IN													
FEET SLIPPED			RMR. BODY O.D.	FT.	TOTAL FTG.													
FEET CUT OFF			SUBS O.D.	FT.	TOTAL HR. RUN													
PRESENT LENGTH 2510			BIT OR C.B.	FT.	COND. OF BIT													
TON MI. OR TRIPS SINCE LAST CUT 644					REAMER NO.													
CUMULATIVE TON MI. OR TRIPS 51289					REAMER TYPE													
NO. OF DAYS FROM SPUD 13																		
CUMULATIVE ROTATING HRS.																		

DRILLER Robert L. Busch

No 2228

DAILY DRILLING REPORT

REPORT NO. 12

DATE 8-1

OPERATOR: Phillips Pete CO. LEASE: C.O.P. Prospect

CONTRACTOR: Odeco Norway RIG NO.: 10

WELL NO.: 27 FIELD OR DIST.: CONT. Norway self COUNTY: North Sea STATE: Norway

NO.	MANUFACTURER	TYPE	STROKE LENGTH	LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSC. HD.	SET AT	REMARKS
1.	NAT	N-1300	16		20"							
2.	NAT	N-1300	16		20"							
3.	O.D.	F19	16									

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

TIME DISTRIBUTION—HOURS		
	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		2
CONDITIONING MUD & CIRCULATING	11 1/2	9
TRIPS	1/2	1
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS	12	12

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR...D RM...R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN	
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.							PH	SD. CONT. %	DEPTH	DEV.		DIRECTION
66	567.97	FT.	4	1 1/2	1000	4000	11.00	9.7	10.4	11.8	6500	—				1100	7 1/4	55	7 1/4		
25	3 I.D. 9 O.D.	733.99 FT.	HTC	OSC 32 J			41	46	50												
			NOZZLE NO. 3	SIZE 9/16																	
			DEPTH OUT 6500																		
			DEPTH IN 5110																		
			TOTAL FTG. 1390																		
			TOTAL HR. RUN 16																		
			COND. OF BIT																		
			REAMER NO.																		
			REAMER TYPE																		
			REMARKS																		

DRILLER: V. Arndt

WIRE LINE RECORD		
REEL NO.	1-9204-A	
NO. OF LINES	10	SIZE 1 3/8
FEET SLIPPED		
FEET CUT OFF	2190	
PRESENT LENGTH	2810	
TON MI. OR TRIPS SINCE LAST CUT	62.0	
CUMULATIVE TON MI. OR TRIPS	51392	
NO. OF DAYS FROM SPUD	10	
CUMULATIVE ROTATING HRS.		

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD			FOOTAGE		DR...D RM...R CORE...C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1		PUMP NO. 2		METHOD RUN
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	VISC.-SEC	W.L.-C.C.	FLTR. CK.							PH	SD. CONT. %	DEPTH	DEV.	
63	565.42	FT.	4	1 1/2	2000	2300	11.9	12.00			6500	T.N.D.				7 1/4		7 1/4		
25	3 I.D. 8 O.D.	774.70 FT.	HTC	OSC 32 J			42	45												
			NOZZLE NO. 3	SIZE 9/32																
			DEPTH OUT 6500																	
			DEPTH IN 5110																	
			TOTAL FTG. 1390																	
			TOTAL HR. RUN 16																	
			COND. OF BIT																	
			REAMER NO.																	
			REAMER TYPE																	
			REMARKS																	

DRILLER: Robert S. Burch

No 2225

DAILY DRILLING REPORT

REPORT NO. 9

DATE 7-29-58

OPERATOR Phillips PET. CO		LEASE CO.D.		WELL NO. 2X	FIELD OR DIST. Coast Norway Sd 7	COUNTY NORTH SEA	STATE NORWAY
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 TYPE THD. 5 X 1/4	TOOL JOINT 6 1/4 O.D.		PUMPS	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		1. NAT. 1300 16	2. NAT. 1300 16	3. G.D. 4x9 16	LAST CASING TUBING OR LINER

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. 5 PAR. TEL. P. COM'D-C
			49	42	87.04	3 ^a	17			4486	5010	200	40	2800	7 1/4	60	7 1/4	60	
			25	D.C.		MFG. H.T.C.													
				3 I.D. 8 O.D.	748.31	TYPE OSC-3-T													
				I.D. O.D.		NOZZLE 3													
				STB. BODY 4 O.D.	53.74	SER. NO.													
				STB. BODY 4 O.D.		DEPTH OUT													
				RMR. BODY 19 O.D.	5.45	DEPTH IN													
				SUBS O.D.		TOTAL FTG.													
				BIT OR C.B.	300	TOTAL HR. RUN													
				KELLY DOWN	13	COND. OF BIT													
				TOTAL	570.54	REAMER NO.													
				WT. OF STRING		REAMER TYPE													
				REMARKS															
				DRILLER H. LESPERANCE															

TIME SUMMARY (OFFICE USE ONLY)			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN		
DAY WORK	HRS. W/DP	HRS. WO/DP	NO.	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. 5 PAR. TEL. P. COM'D-C
			52	45	110.3	4	17 1/2	21:00		5110	5379	190	35	3200	7 1/4	60	7 1/4	60	
				D.C.		MFG. H.T.C.													
				3 I.D. 8 O.D.	748.31	TYPE OSC-3-T													
				D.C.		NOZZLE 3													
				I.D. O.D.		SIZE 3 1/2													
				STB. BODY 8 O.D.	53.74	SER. NO.													
				STB. BODY 8 O.D.		DEPTH OUT													
				RMR. BODY 19 O.D.	5.45	DEPTH IN													
				SUBS O.D.		TOTAL FTG.													
				BIT OR C.B.	3	TOTAL HR. RUN													
				KELLY DOWN	50	COND. OF BIT													
				TOTAL	5379.50	REAMER NO.													
				WT. OF STRING	190,000	REAMER TYPE													
				REMARKS															
				DRILLER P. S. Burch															

Nº 2224

DAILY DRILLING REPORT

REPORT NO. 8

DATE 7-28-68

OPERATOR Phillips PET CO		LEASE C.O.D. PROSPECT		WELL NO. 2X	FIELD OR DIST. Cont. Norwegian	COUNTY NORTH SEA	STATE NORWAY
CONTRACTOR ODECO		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5 TYPE THD. J-XH	PUMPS		LAST CASING TUBING OR LINER 20'	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Seabec</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>R. S. Lillie</i>					

TIME DISTRIBUTION-HOURS		
RIG UP & TEAR DOWN	NIGHT	DAY
DRILLING ACTUAL	2	11 1/2
REAMING	2 1/2	
CONDITIONING MUD & CIRCULATING		1/2
TRIPS	7 1/2	
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN	
13	STANDS D.P. 1154.46 FT.	BIT NO. 3	SIZE 17	TIME	WEIGHT	FROM 1700	TO 2021	DR. D. RPM 190	WT. ON BIT 35	PUMP PRESS 2700	LINER SIZE 7 1/4	S.P.M. 65	LINER SIZE 7 1/4	S.P.M. 65	SGL. 5 PAR. 1.5 COM. D-C
25	I.D. O.D. 810.50 FT.	MFG. HFC	TYPE OSC-3AJ	VISC.-SEC	W.L.-C.C.										
	D.C. TOTAL LENGTH 2021.96 FT.	NOZZLE NO. 3	SIZE 1 1/2	FL. TR. CK.	PH										
	I.D. O.D. 5700 FT.	SER. NO. 49086	DEPTH OUT	SD. CONT. %											
	STB. BODY O.D. FT.	DEPTH IN	TOTAL FTG. 301	MUD & CHEMICALS ADDED											
	STB. BODY O.D. FT.	TOTAL HR. RUN 2	COND. OF BIT R	TYPE	AMT.										
	RMR. BODY O.D. FT.	REAMER NO.	REAMER TYPE												
	SUBS O.D. FT.	REMARKS													
	BIT OR C.B. FT.														
	KELLY DOWN 5700 FT.														
	TOTAL 2021.96 FT.														
	WT. OF STRING 148000 LBS.														

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FROM	TO	ELAPSED TIME													
00:00	01:30	1 1/2		Drill out cement & Guide shoe washed to 1630											
01:30	03:00	1 1/2		Pull out, 'Survey'											
03:00	09:00	6		Pick up Roller Reamer, 9. STAB. 10. D.C. Total 25 + go in hole w/ new BIT											
09:00	10:00	1		Check to Btm.											
10:00	12:00	2		Drilling											

TIME SUMMARY (OFFICE USE ONLY)		
TOTALS	12	12
DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		

NO. DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO. 1		PUMP NO. 2		METHOD RUN	
41	STANDS D.P. 3620.38 FT.	BIT NO. 3	SIZE 1 1/2	TIME 2400	WEIGHT 9.7	FROM 2021	TO 4486	DR. D. RPM 190	WT. ON BIT 35	PUMP PRESS 2800	LINER SIZE 7 1/4	S.P.M. 62	LINER SIZE 7 1/4	S.P.M. 62	SGL. 5 PAR. 1.5 COM. D-C
5	SINGLES D.P. 444 FT.	MFG. HFC	TYPE OSC3AJ	VISC.-SEC 32	W.L.-C.C. 20										
25	I.D. O.D. 730.27 FT.	NOZZLE NO. 3	SIZE 1 1/2	FL. TR. CK. 7/35	PH 7.2										
9	D.C. I.D. O.D. 80.23 FT.	SER. NO. 49086	DEPTH OUT	SD. CONT. % 1%											
	STB. BODY O.D. FT.	DEPTH IN	TOTAL FTG. 1700	MUD & CHEMICALS ADDED											
	STB. BODY O.D. FT.	TOTAL HR. RUN 7 1/2	COND. OF BIT	TYPE	AMT.										
	RMR. BODY O.D. FT.	REAMER NO.	REAMER TYPE												
	SUBS O.D. FT.	REMARKS													
	BIT OR C.B. FT.														
	KELLY DOWN 5500 FT.														
	TOTAL 4486.26 FT.														
	WT. OF STRING 180000 LBS.														

TIME LOG		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS											
FROM	TO	ELAPSED TIME													
12:00	22:30	10 1/2		Drilling											
22:30	23:00	1/2		Circulate condition mud (cleaning hole)											
23:00	24:00	1		Drilling											

FORM 2T-3 APPROVED
PRINTED IN U.S.A.

APPROVED

DRILLER *d. WESPERANCE*
Note: Started mudding up 3950'
A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT

REPORT NO. 6

DATE July 26 1969

OPERATOR Phillips Petroleum		LEASE COD Prospect		WELL NO. 2X	FIELD OR DIST. Continental Shelf Norway	COUNTY NORTH SEA	STATE NORWAY	
CONTRACTOR ODEC 9		RIG NO. 10	DRILL PIPE STRING NO. SIZE	TOOL JOINT O.D.	PUMPS			LAST CASING TUBING OR LINER
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Spake</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>E.P. Litto</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Lee B. Ruble</i>		NO. MANUFACTURER TYPE STROKE LENGTH		SIZE MAKE WT. & GR. NO. JOINTS FEET RKB. TO CSG. HD. SET AT. REMARKS
						1. NAT 1300 16		30" 86 342 435 600 SK. COM. w/ seawater
						2. " " " "		20" 340 1587
						3. G.D FX9 11		

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
RIG UP & TEAR DOWN	NIGHT	DAY	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR. D. RM. R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S PAR'EL. P COM'D-C
			14	STANDS D.P.	1241.87 FT.															
			0	SINGLES D.P.																
			13	3 I.D. 8 O.D.	403.22 FT.															
				D.C.																
				I.D. O.D.	FT.															
				STB. BODY O.D.	FT.															
				STB. BODY O.D.	FT.															
				RMR. BODY O.D.	FT.															
				SUBS	FT.															
				BIT OR C.B.	1.25 FT.															
				Sub	7.25 FT.															
				KELLY DOWN	30.00 FT.															
				TOTAL	1700.59 FT.															
				WT. OF STRING	100,000 LBS.															
				REMARKS																
				Run Bore w/ Stack																
				UNABLE To land same due To setting on corner Post																
				Made dive NO.1 - observation only																
				dive NO.2 - diver went out of ball fo																
				check P.G.B. found gib. setting on corner Post.																

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		METHOD RUN			
RIG UP & TEAR DOWN	NIGHT	DAY	NO.	STANDS D.P.	FT.	BIT NO.	TIME	WEIGHT	FROM	TO	DR. D. RM. R CORE..C	CORE NO.	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	SGL. S PAR'EL. P COM'D-C
			14	STANDS D.P.	1241.87 FT.															
			0	SINGLES D.P.																
			13	3 I.D. 8 O.D.	403.22 FT.															
				D.C.																
				I.D. O.D.	FT.															
				STB. BODY O.D.	FT.															
				STB. BODY O.D.	FT.															
				RMR. BODY O.D.	FT.															
				SUBS	FT.															
				BIT OR C.B.	1.25 FT.															
				Sub	7.25 FT.															
				KELLY DOWN	30.00 FT.															
				TOTAL	1700.59 FT.															
				WT. OF STRING	100,000 LBS.															
				REMARKS																
				Pull 20" B.O.P.																
				lengthen guide post on 20" B.O.P.																
				Run 20" B.O.P.																
				Latch collar connector & check AX gasket w/ 300*																
				Pulling collar connector out																

DAILY DRILLING REPORT

REPORT NO. 5

DATE 7-25-68

OPERATOR: Phillips Pet. Co. LEASE: COD Prospect
 CONTRACTOR: RIG NO. 10
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.O. Leaf
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Lee Ruble & Ed Little (503)

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL-S PAR-EL-P COM'D-C
14	STANDS D.P. 1241.87 FT.	BIT NO. 2	TIME	FROM TO									
0	SINGLES D.P. FT. D.C.	SIZE 2 1/4	WEIGHT 8.5	1699 TD									
13	3 I.D. 9 O.D. 403.22 FT. D.C.	MFG. HTC	VISC.-SEC 98										
	I.D. O.D. FT.	NOZZLE NO. 05C3A	FLTR. CK.										
	STB. BODY O.D. FT.	NO. REG	PH										
	STB. BODY O.D. FT.	SIZE	SD. CONT. %										
	RMR. BODY O.D. FT.	SER. NO. 3.40											
	RMR. BODY O.D. FT.	DEPTH OUT 1700.59											
	SUBS O.D. FT.	DEPTH IN 435											
	BIT OR C.B. FT.	TOTAL FTG. 1264											
	Sub 15.00	TOTAL HR. RUN 31											
	KELLY DOWN 30.00	COND. OF BIT 3-1-1											
	TOTAL 1700.59 FT.	REAMER NO.											
	WT. OF STRING 100,000 LBS.	REAMER TYPE											

TIME DISTRIBUTION-HOURS	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL		
REAMING		
CONDITIONING MUD & CIRCULATING		
TRIPS	3 1/2	
LUBRICATE RIG		
DEVIATION SURVEY	1/2	
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING	8	6
WAITING ON CEMENT		5
DRILL STEM TEST		
OTHER		1
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS		8

REMARKS: Bumper sub

DRILLER: J. Washburn

TIME SUMMARY (OFFICE USE ONLY)
DAY WORK
HRS. W/DP
HRS. WO/DP
HRS. STANDBY
TOTAL DAY WORK
WIRE LINE RECORD
REEL NO. 1-4294-A
NO. OF LINES 10 SIZE 1 3/8
FEET SLIPPED
FEET CUT OFF 2190
PRESENT LENGTH 2810
TON MI. OR TRIPS SINCE LAST CUT 0
CUMULATIVE TON MI. OR TRIPS 50951
NO. OF DAYS FROM SPUD 4
CUMULATIVE ROTATING HRS. 44 3/4

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD	MUD RECORD	FOOTAGE	DR. D. RM. R. CORE. C.	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE S.P.M.	PUMP NO. LINER SIZE S.P.M.	METHOD RUN SGL-S PAR-EL-P COM'D-C
14	STANDS D.P. 1241.87 FT.	BIT NO.	TIME	FROM TO									
0	SINGLES D.P. FT. D.C.	SIZE	WEIGHT	1699 TD									
13	3 I.D. 9 O.D. 403.22 FT. D.C.	MFG.	VISC.-SEC										
	I.D. O.D. FT.	NOZZLE NO.	FLTR. CK.										
	STB. BODY O.D. FT.	NO. SIZE	PH										
	STB. BODY O.D. FT.	SER. NO.	SD. CONT. %										
	RMR. BODY O.D. FT.	DEPTH OUT											
	RMR. BODY O.D. FT.	DEPTH IN											
	SUBS O.D. FT.	TOTAL FTG.											
	BIT OR C.B. FT.	TOTAL HR. RUN											
	Sub 15.00	COND. OF BIT											
	KELLY DOWN 30.00	REAMER NO.											
	TOTAL 1700.59 FT.	REAMER TYPE											
	WT. OF STRING 100,000 LBS.												

REMARKS: Finish running 20" CSG
 Run CSG to bottom on D.P. w/ bumper sub
 Cement casing Plug dn 1745 hrs.
 Lay down lay down D.P. bumper sub @ landing tool
 Rig up to run 20" stack.

DRILLER: Robert E. McWay

Nº 2220

DAILY DRILLING REPORT

REPORT NO. 4 DATE 7/24/68

OPERATOR Phillips Pet. Co Norway	LEASE Cod Prospect	WELL NO. 2-X	FIELD OR DIST. C/S Norway	COUNTY	STATE NORWAY
--	------------------------------	------------------------	-------------------------------------	--------	------------------------

CONTRACTOR Odco Norway	RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5	TOOL JOINT 6 1/4 O.D.	PUMPS		LAST CASING TUBING OR LINER	SIZE 30"	MAKE 309	WT. & GR. 2	NO. JOINTS 86	RKB. TO CSG. HD. 342	SET AT 435	REMARKS
----------------------------------	----------------------	---	---------------------------------	-------	--	-----------------------------	--------------------	--------------------	-----------------------	-------------------------	--------------------------------	----------------------	---------

TIME DISTRIBUTION—HOURS		
	NIGHT	DAY
RIG UP & TEAR DOWN		
DRILLING ACTUAL	12	5
REAMING		
CONDITIONING MUD & CIRCULATING		1
TRIPS		5
LUBRICATE RIG		
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER		1
FISHING		

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO							LINEAR SIZE	S.P.M.		
11	976.57		2	2 1/2"	8.8	8.8	966	1437	DR		SAND & SHALE, CLAY	1075	1200	7 1/2	65	7 1/2	65	
13	403.22			HTC	15.5	15.5												
3	7.75			OSC3A														
	1.75			Req														
	15.00																	
	32.76																	
	1437.00																	
	100,000																	
REMARKS																		
B. SUB & SUB SAUER 35 1/2 HRS																		
DRILLER V. Amundt																		

TIME SUMMARY (OFFICE USE ONLY)		
	NIGHT	DAY
TOTALS	12	12
DAY WORK		
HRS. W/DP		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK		
WIRE LINE RECORD		
REEL NO. 1-9294-A		
NO. OF LINES 10 SIZE 1 3/8		
FEET SLIPPED		
FEET CUT OFF 2190		
PRESENT LENGTH 2810		
TON MI. OR TRIPS SINCE LAST CUT 60		
CUMULATIVE TON MI. OR TRIPS 50951		
NO. OF DAYS FROM SPUD		
CUMULATIVE ROTATING HRS.		

NO.	DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO.		PUMP NO.	METHOD RUN
	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO							LINEAR SIZE	S.P.M.		
14	1241.87		2	2 1/2"	8.8	8.8	1437	1699	0 0		Shells & Clay	90	1015	1250	7 1/2	65	7 1/2	P
13	403.22			HTC	9.5	9.5												
3	2.25			OSC3A														
	1.25			Req														
	15.00																	
	30.00																	
	1200.59																	
	100,000																	
REMARKS																		
1200 1730 5 1/2 Drilling																		
1730 1800 1/2 Cir & Move pipe slowly																		
1800 1830 1/2 Spot mud in hole																		
1830 2000 1 1/2 Strip out 14 1/2" DP SLH 1200.06																		
2000 2100 1 Stand by in surface pipe Tight @ 461																		
2100 2230 1 1/2 In hole Top Fill up @ 1659																		
2230 2330 1 Pull back in to csg																		
2330 2400 1/2 Going in hole																		
DRILLER Robert E. McVay																		

DAILY DRILLING REPORT

REPORT NO. 3

DATE 7/23/68

OPERATOR Phillips Pet Co. Norway		LEASE Cod Prospect		WELL NO. 2X	FIELD OR DIST. Cont Shelf-Norway	COUNTY	STATE Norway	
CONTRACTOR Ideco Norway		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5"	TOOL JOINT 6 1/2" O.D.	PUMPS			REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Seaborn</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>McGinty L.P. Ruble</i>		NO.	MANUFACTURER	TYPE	STROKE LENGTH	
				1.	National	N-1300	16"	
				2.	National	N-1300	"	
				3.	G/D	FXQ	"	

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN								
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD RUN					
7 1/2	12		12	3	12.8	2	26"	8.8	Water	396	435	Cement	60	5/10	950	7 1/4	64	7 1/4	66	P			
2 1/4			12	3	12.8	2	26"	173		435	451	Shale & Sand											
TRIPS			I.D. O.D.		FT.	NOZZLE		FLTR. CK.		DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
LUBRICATE RIG			STB. BODY		O.D. FT.	SER. NO.		PH		TIME LOG		FROM		TO		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
DEVIATION SURVEY			STB. BODY		O.D. FT.	NK 340		SD. CONT. %		02:30		07:00		4 1/2		Drilling Cement 396 to 424' (Firm)							
TEST B.O.P.			RMR. BODY		O.D. FT.	DEPTH OUT				07:00		09:30		2 1/2		Made TRIP to lay 26" stabilizer bit							
CUT OFF DRILLING LINE			SUBS		O.D. FT.	DEPTH IN				09:30		10:00		1 1/2		Drlg Cement 424 - 435							
REPAIR RIG			BIT OR C.B.		FT.	TOTAL FTG.		MUD & CHEMICALS ADDED		11:00		12:00		1 1/2		Drlg Formation							
CORING			KELLY DOWN		FT.	TOTAL HR. RUN		TYPE															
WIRE LINE LOGGING			TOTAL		FT.	COND. OF BIT		AMT.															
RUNNING CASING & CEMENTING			WT. OF STRING		LBS.	REAMER NO.		REAMER TYPE															
WAITING ON CEMENT			REMARKS		* Drill 39' Cement																		
DRILL STEM TEST			COMPLETION WORK		# 1 BUMPER SUB & SUB SAVER 1 1/4 ROTATING HRS. & BUMPER SUB PROTECTOR																		
OTHER			A. PERFORATING		DRILLER <i>V. Arndt</i>																		
FISHING			B. TUBING TRIPS																				
COMPLETION WORK			C. SWABBING																				
TOTALS			D. TESTING																				
TIME SUMMARY (OFFICE USE ONLY)			E. ADDITIONAL																				

TIME DISTRIBUTION-HOURS			DRILLING ASSEMBLY AT END OF TOUR		BIT RECORD		MUD RECORD		FOOTAGE		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		METHOD RUN								
NIGHT	DAY		NO.	STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT	FROM	TO	FORMATION	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD RUN					
	12		5	1	487.67	2	26"	8.8	190 SEA WATER	451	966	CLAY & SAND	90	10.15	1200	7 1/4	65	7 1/4	65	17			
			12	3	12.8	2	26"																
TRIPS			I.D. O.D.		FT.	NOZZLE		FLTR. CK.		DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	
LUBRICATE RIG			STB. BODY		O.D. FT.	SER. NO.		PH		TIME LOG		FROM		TO		ELAPSED TIME		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
DEVIATION SURVEY			STB. BODY		O.D. FT.	NK 340		SD. CONT. %		12:00		2:00		1 1/2		Drlg							
TEST B.O.P.			RMR. BODY		O.D. FT.	DEPTH OUT																	
CUT OFF DRILLING LINE			SUBS		O.D. FT.	DEPTH IN																	
REPAIR RIG			BIT OR C.B.		FT.	TOTAL FTG.		MUD & CHEMICALS ADDED															
CORING			KELLY DOWN		FT.	TOTAL HR. RUN		TYPE															
WIRE LINE LOGGING			TOTAL		FT.	COND. OF BIT		AMT.															
RUNNING CASING & CEMENTING			WT. OF STRING		LBS.	REAMER NO.		REAMER TYPE															
WAITING ON CEMENT			REMARKS		12.5 # 1. + SAVER 23 1/2 HRS & BUMPER SUB PROTECTOR 23 1/2																		
DRILL STEM TEST			COMPLETION WORK		DRILLER <i>E. Little</i>																		
OTHER			A. PERFORATING		CANNOT receive weather report from Phillips base @ night due to interference from other stations																		
FISHING			B. TUBING TRIPS																				
COMPLETION WORK			C. SWABBING																				
TOTALS			D. TESTING																				
TIME SUMMARY (OFFICE USE ONLY)			E. ADDITIONAL																				



DAILY DRILLING REPORT

REPORT NO. #1 DATE 7-21-68

OPERATOR PHILLIPS PET. CO		LEASE		WELL NO.		FIELD OR DIST.		COUNTY		STATE						
CONTRACTOR ODECO NORWAY INC.		RIG NO. 10	DRILL PIPE STRING NO. 1 SIZE 5"	TOOL JOINT 6 7/8" O.D.	PUMPS		LAST CASING TUBING OR LINER		SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT	REMARKS
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>E.O. Seaborn</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>McIntyre L.C. Ruble</i>		NO. MANUFACTURER TYPE STROKE LENGTH		1. NATIONAL N-1300 16"		2. " " " "		3. GARDNER DENVER FXQ 16"						

TIME DISTRIBUTION-HOURS		
NIGHT	DAY	
RIG UP & TEAR DOWN		
DRILLING ACTUAL	4	
REAMING		
CONDITIONING MUD & CIRCULATING	3 1/4	
TRIPS	5 1/2	
LUBRICATE RIG		
DEVIATION SURVEY	1/4	1/2
TEST B.O.P.		
CUT OFF DRILLING LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
RUNNING CASING & CEMENTING		10
WAITING ON CEMENT		
DRILL STEM TEST		
OTHER	2	
FISHING		
COMPLETION WORK		
A. PERFORATING		
B. TUBING TRIPS		
C. SWABBING		
D. TESTING		
E. ADDITIONAL		
TOTALS	12	12

TIME SUMMARY (OFFICE USE ONLY)

DAY WORK

HRS. W/DP

HRS. WO/DP

HRS. STANDBY

TOTAL DAY WORK

WIRE LINE RECORD

REEL NO. **1-9294-A**

NO. OF LINES **10** SIZE **1 3/8"**

FEET SLIPPED

FEET CUT OFF **2190**

PRESENT LENGTH

TON ML. OR TRIPS SINCE LAST CUT **0**

CUMULATIVE TON ML. OR TRIPS **50951**

NO. OF DAYS FROM SPUD **1**

CUMULATIVE ROTATING HRS. **4**

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN	
		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT							FROM	TO		LINER SIZE
2	SINGLES D.P. 98.44 FT.																
	D.C.																
93	I.D. O.D. 2777 FT.																
1	D.C. BUMPER SUB 5 I.D. 7 1/2 O.D. 1109 FT.																
1	D.C. BUMPER SAVER SUB 5 I.D. 7 1/2 O.D. 3.00 FT.																
1	RMR. BODY 3 1/2 O.D. 5.74 FT.																
1	SUBS 1 1/2 O.D. 3.02 FT.																
1	BIT 1 1/2 O.D. 1.35 FT.																
	KELLY DOWN 42.00 FT.																
	TOTAL 435.00 FT.																
	WT. OF STRING 70,000 LBS.																
REMARKS		BUMPER SUB #1 - 4 ROTATING HRS.		BUMPER SAVER SUB - 4 " "													
		DRILLER V. Arnold															

NO.	DRILLING ASSEMBLY AT END OF TOUR	BIT RECORD		MUD RECORD		FOOTAGE		DR. D RM. R CORE. C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO.		METHOD RUN	
		STANDS D.P.	FT.	BIT NO.	SIZE	TIME	WEIGHT							FROM	TO		LINER SIZE
	SINGLES D.P.																
	D.C.																
	I.D. O.D.																
	D.C.																
	I.D. O.D.																
	STB. BODY O.D.																
	STB. BODY O.D.																
	RMR. BODY O.D.																
	SUBS O.D.																
	BIT OR C.B.																
	KELLY DOWN																
	TOTAL																
	WT. OF STRING																
REMARKS		BUMPER SUB #1-4 HRS.		SAVER 4 HRS													
		DRILLER Ed Little															



