

356001

Daily Reports, Sailfish No. 1.

NSW Oil and Gas Company NL

OR-0334D

DAILY DRILLING REPORT No.: 1

WELL: Sailfish No. 1

Date: 6 Oct. 71 Depth: Footage Drilled: at the rate of:

Nature of Operations: Hanging Anchors at Portland Lithology:

Transmitting Officer: Van Rheeden

Receiving Officer: G.E. Congdon

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In				
Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	° @	'
	° @	"
	° @	"
	° @	'

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: Conception arrived Portland, Victoria, at 1700 hours Oct. 5th for hanging anchors and taking on supplies from SM 33 and Pedro Sound. SM 33 and San Pedro Sound left Barries Beach for Portland, Victoria, to meet Conception.

Period of this operation @ 1700 Oct. 5th to 0800 Oct. 6th

PERSONNEL CHANGES AND VISITORS:

REMARKS: Hanging of anchors going well and supplies being loaded on Conception.

GEOLOGY:

TELEPHONE:
28-4332 25-1300

11th October, 1971.

With the Compliments of

The daily drilling report period covers 24 hours between 0800 - 0800. Report No. 3 enclosed replaces the previous Report No. 3 forwarded to you.

THE PLANET GROUP
OF EXPLORATION COMPANIES
UNITED INSURANCE BUILDING
280 GEORGE STREET, SYDNEY N.S.W. 2000

G.E. Congdon
Petroleum Exploration
Manager

OTM	S&A	OC&M	D.S.M.E.
RECEIVED		Registrar	
13 OCT 1971			
ANSWERED		E & IL	
DEPT. OF MINES			
REF. NO.			

356004

CC & M D.S.M.F. 28/1A
 RECEIVED 11 OCT 1971
 ANSWERED
 Lithology: T. OF-MINES
 REG. NO. G.E. Congdon

DAILY DRILLING REPORT No.: 3

WELL:

Date: 8.10.71 Depth: 0 Footage Drilled: 0

at the rate of:

Nature of Operations: waiting on weather

Transmitting Officer: Van Rheaden via Armstrong

Receiving Officer:

BIT PERFORMANCE				
	Present Bit		Previous Bits	
Bit No.				
Size				
Make				
Type				
Nozzles				
Serial No.				
Depth In				
Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T	B	T	B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	° @ ' "
	° @ ' "
	° @ ' "
	° @ ' "

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: No. 3

Dropped No.2 Anchor at 1.30 am 8th October

Dropped No. 7 Anchor at 3.15 am 8th October

Winds - westerly at 15 - 25 knots

Swells from 5 - 7 feet

Pitch 20° Roll 1/2°

PERSONNEL CHANGES AND VISITORS:

REMARKS: waiting on weather to spud

GEOLOGY:

DAILY DRILLING REPORT No.: 3

WELL: Sailfish No. 1

Date: 8 Oct. 71 Depth: Footage Drilled: at the rate of:

Nature of Operations: Setting out anchors Lithology:

Transmitting Officer: Receiving Officer:

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In				
Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	° @ ' "
	° @ ' "
	° @ ' "

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800 Oct. 7th to 0800 Oct. 8th - Period of report.
 0800 Oct. 7th to 0130 Oct. 8th the Conception was steaming to Sailfish location. 0130 - 0315 set anchors 2 and 7 in temporary position to hold vessel on location. 0315 - 0800 Oct. 8th waiting on weather.

PERSONNEL CHANGES AND VISITORS:

REMARKS:

GEOLOGY:

DAILY DRILLING REPORT No.: 4

WELL: Sailfish No. 1

Date: 9 Oct. 71 Depth: Footage Drilled: at the rate of:

Nature of Operations: **Waiting on weather** Lithology:

Transmitting Officer: **Van Rheeden** Receiving Officer: **G.E. Congdon**

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.					MUD PROPERTIES		Rig. Serv.
Depth In					Weight		Survey
Feet					Viscosity		Cut Dr. Line
Hours					Water Loss		Reaming
R.P.M.					pH		Cond.mud & circulating
Pump Press.					Sand		Running csg. & cementing
Bit Weight					Oil/Wat/Sol.	/ /	W.O.C.
Ann. Vel.					Plastic Visc.		Fishing
Jet Vel.					Yield Point		
Bit H.P.					Gel.O/10'	/	
Torque					Chlorides		
Condition	T B	T B	T B	T B	Survey	° @ ' "	Repairs

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800 Oct. 8th to 0800 Oct. 9th.
 0800 - 1130 waiting on weather.
 1130 - 2145 set out anchors 10, 3, 5, 4, 7, 9 & 8. Crown wire on No. 8 parted, heaved in No. 8 anchor and cowl catcher moved easily on bottom. 2100 - 0800 Oct. 9th waiting on weather. SM 33 over to shelter at Flinders Island.

PERSONNEL CHANGES AND VISITORS:

REMARKS:

GEOLOGY:

DAILY DRILLING REPORT No.: 6

WELL: SAILFISH NO. 1

Date: 11 October 71 Depth: - Footage Drilled: - at the rate of: -

Nature of Operations: Waiting on weather

Lithology:

Transmitting Officer: Mr Van Rheeden via Mr Armstrong Receiving Officer: Mr G.E. Congdon

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
Feet							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond. mud & circulating
Pump Press.							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							
Bit H.P.							
Torque							
Condition	T B	T B	T B	T B			Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

Survey	° @ ' "
	° @ " "
	° @ ' "
	° @ ' "

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800 October 10th to 0800 October 11th Period of Report.

0800 - 0800 Waiting on weather to clear.

Fixed up Kelly, checked pumps, checked out Blow out Preventer, SM - 33 returning to Conception now, six anchors are set, however, no testing on anchors yet, checked position of Rig with ONI Station and it is right, no helicopter flights to Rig.

PERSONNEL CHANGES AND VISITORS:

REMARKS: 24 hours weather report during Report period:

Winds west 20-45 knots, Seas W 6-12' at 4 sec. periods with 50' lengths

GEOLOGY: Swells west 15'-25' with 8-9 sec. periods and 175'-250' lengths
Roll 3°-4°, Pitch 5°-9°

Present weather: Winds west 20 - 40 knots

Seas west 6', 4 sec. periods, 50' long

Swells WN 15'-18' 8 sec. periods 225' long

Roll 3°

Pitch 6°

Condition moderating

Hope to put out rest of anchors by 2400 tonight.

356009

PC/IA

DAILY DRILLING REPORT No.: 7

WELL NO. 1
 S&A
 14 OCT 1971
 REGISTERED
 ANSWERED
 RECEIVED

Date: 12 Oct. 1971 Depth: - Footage Drilled: - at the rate of: -

Nature of Operations: Preparing to Spud In Lithology:

Transmitting Officer: Van Rheaden via Mr Armstrong Receiving Officer: Mr G.E. Congdon

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
Feet							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond.mud & circulating
Pump Press.							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							
Bit H.P.							
Torque							
Condition	T B	T B	T B	T B			Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	° @
	° @
	° @

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800 Oct 11th to 0800 Oct. 12th period of report. 0800 - 0030 waiting on weather. Pressure testing lines and repairing leak in line while waiting on weather; 0030 - 0300 set anchors 1, 2, 8; 0300 - 0400 tested anchors 2, 5, 9, 10 to 140,000 lbs; tested 3, 4, 7 & 8 to 90,000 lbs; 0400 - 0600 Ran Landing base; 0600 - 0700 laid down running string, made up 26" bit and 36" hole opener, welded strap between 26" bit & 36" hole opener, making up 36" drilling assembly. Radios installed on Conception, SM-33 SPS, Barries Beach.

PERSONNEL CHANGES AND VISITORS:

2 men left for Rig from Sale.

REMARKS: Depth of water 278 at o' tide

GEOLOGY: Weather 0800 - 0800; winds west at 5-35 knots;

Seas west at 2'-6' with 2-4 sec. periods 30'-50' long
 Swells west at 5 - 8' with 7 - 9 sec. periods 150'-250' long
 Roll 2° - 3°
 Pitch 2° - 6°
 Heave 2° - 4°

Present weather: Winds west at 2 - 15 knots; Seas west 2' with 3 sec. periods 30' long

Swells west at 5' with 7 sec. periods 150' long
 Roll 2°
 Pitch 2°
 Heave 2°

DAILY DRILLING REPORT No.: 8

WELL: SAILFISH NO. 1

Date: 13 Oct. 1971 Depth: 852' Footage Drilled: 852' at the rate of:

Nature of Operations: Pulling out of Hole Lithology:

Transmitting Officer: Van Rheeden via Mr Armstrong Receiving Officer: Mr G.E. Congdon

BIT PERFORMANCE				PUMPS		RIG TIME		
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.	6.75 hrs
	Size					Liner Size	x	Trip
Make					No.2 S.P.M.		Coring	
Type					Liner Size	x	Logging	
Nozzles							Open hole test	
Serial No.					MUD PROPERTIES		Rig. Serv.	
Depth In					Weight		Survey	
Feet					Viscosity		Cut Dr. Line	
Hours					Water Loss		Reaming	
R.P.M.					pH		Cond.mud & circulating	1.75 hrs
Pump Press.					Sand		Running csg. & cementing	1.50 hrs
Bit Weight					Oil/Wat/Sol.	/ /	W.O.C.	1.50 hrs
Ann. Vel.					Plastic Visc.		Fishing	
Jet Vel.					Yield Point		Installing guide runs -	4.25 hrs
Bit H.P.					Gel.O/10'	/	TV camera, picking up drill collars -	
Torque					Chlorides		Bumper Subs & Kelly	
Condition	T B	T B	T B	T B	Survey	° @	Repairs	1.00 hr

BREAKDOWN AND OTHER TROUBLE: 1500-1600 brakes froze up and were repaired.

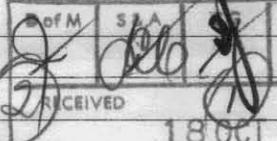
OPERATIONS: 0800 12th Oct.- 0800 13th Oct.: 0800-1200 Run TV camera - install guide runs; picking up 3 7 3/4" drill collars, picking up two 7 3/4" Bumper subs and Kelly; 1200 spudded well in; 1200-1500 drilled 37' of 36" hole, spotted 125 BBIs of 80 viscosity mud; 1500-1600 brakes froze - repaired brakes; 1600-1730 pulled out of hole, broke down drilling assembly; 1730-1900 rigged up and ran 30" casing, landed in landing base; 1900-1945 shoe at 347, cemented with 150 sacks of class A cement with

PERSONNEL CHANGES AND VISITORS: 4% calcium chloride, cement in place at 1945 hrs; 1945-2115 waiting on cement, opened valve at 2110 and had no back flow and backed out

REMARKS: running tools; 2115-2230 pulled out of hole with running string; 2230-2330 ran in hole with 26" bit; 2330-0415 drilled to 852'; 0415-0500 circulate

GEOLOGY: and spot 500 BBIs of 50 viscosity mud; 0500-0630 made wiper trip to shoe - no fill; 0630-0800 pulled out of hole and preparing to run casing.

REMARKS: Gordon Dysart reported not all testing equipment was aboard Conception; however, he stated that what was missing was some small items that core lab. and Halliburton can place aboard in 24 hours. These items are now being rounded up to be put aboard Conception. This message from Dysart was relayed by Armstrong.

 RECEIVED 18 OCT 1971 ANSWERED DEPT. OF MINES REF. NO.	CC & M D.S.M.E.I. Registrar E & IL
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DAILY DRILLING REPORT No.: 9

WELL: SAILFISH NO. 1

Date: 14 Oct. 1971 Depth: Footage Drilled: at the rate of:

Nature of Operations: Preparing to Run BOP Lithology:

Transmitting Officer: Van Rheeden via. Mr Armstrong Receiving Officer: MR G.E. Congdon

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	0
Trip	1
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond. mud & circulating	
Running csg. & cementing	10 hrs
W.O.C.	53 min
Fishing	
Testing and retesting BOP stack	6 hrs
Repairs	6.07 hrs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

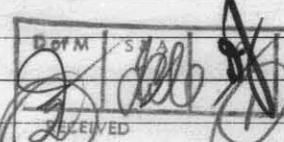
Survey	o @
	o @
	o @
	o @

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800 13th Oct. to 0800 14th Oct.; 0800-1500 Rig up and run 20" casing; 1500-1700 cement 20" casing with 600 sacks of class A cement mixed with drill water with 6lbs/BBL/gal at 13.31 lbs/gal followed by 200 sacks of cement mixed with fresh water at 15.6 lbs/gal cement in place at 1607 hrs. Checked float valve - didn't hold, held pressure for 53 minutes 1700-1800 Backed off running tool and pulled out of hole; 1800-2400 repair lines on shear rams and moved stack over moon pool,

PERSONNEL CHANGES AND VISITORS: changed AX ring tested rams and kill valves to 5000 psi - jug tight, hydrill tested to 2500 psi - jug tight; 2400-0100 repair test lines; 0100-0230 tested choke valves to 5000 psi; 0230-0700 install new AX ring and retested, hang off stack and replace rig floor; 0700-0800 running tripping string.

REMARKS: 1) All anchors have been tested to 140,000 lbs
2) 20" 94 lbs/ft casing landed at 828' at 0 tide.

FORM 500	CC & M	D.S.M.E.
		Registrar
18 OCT 1971		
ANSWERED		E & IL
DEPT. OF MINES		
REF. NO.		

DAILY DRILLING REPORT No.: 10

WELL: SAILFISH NO. 1

Date: 08:00 15.10.71 Depth: Footage Drilled: at the rate of: Nature of Operations: Testing Lithology:

Transmitting Officer: Mr Van Rheeden

Receiving Officer: Mr G. Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond. mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

Survey	° @ ' "
	° @ ' "
	° @ ' "

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 08:00-11:30 Run BOP stack and test AX Gasket and Casing to 500 psi
 11:30-13:00 Pull running string 13:00-08:00 Run riser choke and kill lines and choke and kill hose. Run stinger.

DofM	S.A.	CC&M	W.E.M.E.
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20 OCT 1971			
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DEPT. OF MINES			
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PERSONNEL CHANGES AND VISITORS:

REMARKS:

GEOLOGY:

DAILY DRILLING REPORT No.: 11

WELL: SAILFISH NO. 1

Date: 16 Oct. 1971 Depth: 852' Footage Drilled: - at the rate of: -

Nature of Operations: Running BOP stack and riser. Lithology:

Transmitting Officer: Mr Dysart Receiving Officer: Mr G. Armstrong

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
Feet							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond.mud & circulating
Pump Press.							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							
Bit H.P.							
Torque							
Condition	T B	T B	T B	T B			Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	°	@	'
	°	@	"
	°	@	'

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: Landed riser, hook up Rucker system, test kill line, choke line, hoses and manifold to 5000 psi OK. Rig up flowline. Test BOP rams to 5000 psi OK. Test Hydrill to 2500 psi OK. Run bore protector. Make up 12 1/2" drlg. assembly. Drilled out cement 585-674'. Because of the amount of cement to drill, pulled out, laid down 3 stabilizers, went back in w/same bit.

PERSONNEL CHANGES AND VISITORS: Fuller and Congdon; Van Rheeden relieved of duty.

REMARKS:

GEOLOGY:

D of M	SEA	CC & M	D.S.M.E.
RECEIVED		Registrar	
20 OCT 1971			
ANSWERED		E & IL	
DEPT. OF MINES			
REF. NO.			

DAILY DRILLING REPORT No.: 12

WELL: SAILFISH NO. 1

Date: 17 Oct. 1971 Depth: 1498 Footage Drilled: at the rate of:

Nature of Operations: Drilling cement and drilling new formation. Lithology:

Transmitting Officer: Mr Dysart Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		1	
Size	12 1/4		
Make	Smith		
Type	SDS		
Nozzles	3/8		
Serial No.	HT-102		
Depth In Feet	852		
Hours	11		
R.P.M.	200		
Pump Press.	2250		
Bit Weight	15		
Ann. Vel.			
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B

PUMPS	
No.1 S.P.M.	50
Liner Size	7 1/2 x
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

MUD PROPERTIES	
Weight	Seawater
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

Survey	° @ ' "
	° @ ' "
	° @ ' "

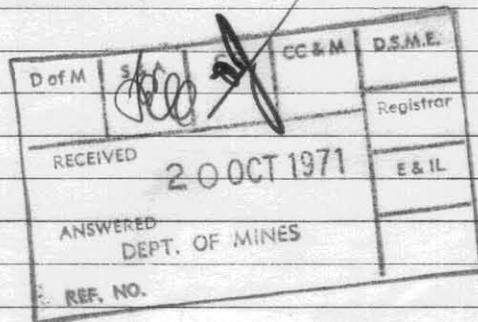
BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: Drilled cement to 696, pulled out of hole to secure for weather. Wait on weather 1000-1730. Make up drilling assembly, went in hole, drilled cement 696-831, shoe, and formation to 1498. 1730-0630. Pulled out of hole 0630-0800 to change bit. Began mudding up at 1400 ft.

PERSONNEL CHANGES AND VISITORS: Messrs Coutts, Leeder, Pettingell, Smith and Minter visited Conception.

REMARKS:

GEOLOGY:



DAILY DRILLING REPORT No.: 13

WELL: SAILFISH NO. 1

Date: 18 Oct. 1971 Depth: 2289 Footage Drilled: at the rate of:

Nature of Operations: Drilling in New Formation Lithology: Calcareous sand

Transmitting Officer: Mr Dysart Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		3	2
Size	12 1/2	12 1/2	
Make	Smith	Smith	
Type	SDS	SDS	
Nozzles	13/64"	3/8"	
Serial No.	HT 106	HT 105	
Depth In	2168	1478	
Feet		690	
Hours		9.5	
R.P.M.		200	
Pump Press.	2500	2250	
Bit Weight		40	
Ann. Vel.			
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B 4 1	T B

PUMPS	
No.1 S.P.M.	57
Liner Size	7 1/2 x 16
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	9.1
Viscosity	49
Water Loss	8.4
pH	9.8
Sand	1
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	10200

Survey	1 1/2 ° @ 1991'
	° @ "
	° @ "

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond. mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800-0900 Pulled out of hole, changed bit; Running in hole to shoe;
 0900-1030 Slip and cut drill lines; 1030-1100 Running in hole;
 1100-1830 drilling with Bit No. 2 - 1478-1991; 1830-1908 Tan Toco;
 1900-2100 drilled from 1991-2168'; 2100-2130 Bit plugged - attempting to unplug;
 2130-0230 trip for new bit 10 feet of fill up;
 0230-0800 drilling with bit No. 3 - 2168' - 2289'

PERSONNEL CHANGES AND VISITORS:

REMARKS:

GEOLOGY: 852 - 2289' Calcareous sand

Def M	CC&M	DAME
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DAILY DRILLING REPORT No.: 14

WELL: SAILFISH NO. 1

Date: 19 Oct. 1971 Depth: 2551' Footage Drilled: 261 at the rate of: 60-90'

Nature of Operations: Drilling and Logging

Lithology: Marl

Transmitting Officer: Mr Dysart

Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		RR-3	
Size	12 $\frac{1}{4}$		
Make	Smith		
Type	SDS		
Nozzles	Open		
Serial No.	HT 106		
Depth In	2168		
Feet	382		
Hours	10-3/4		
R.P.M.	200		
Pump Press.	2500		
Bit Weight	0/40		
Ann. Vel.	113		
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B
	2 1		

PUMPS	
No.1 S.P.M.	62
Liner Size	7 $\frac{3}{4}$ x 16
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	5 $\frac{1}{4}$
Trip	7.5
Coring	
Logging	4
Open hole test	
Rig. Serv.	
Survey	$\frac{1}{2}$
Cut Dr. Line	
Reaming	
Cond. mud & circulating	1 $\frac{3}{4}$
Running csg. & cementing	
W.O.C.	
Fishing	
Schlumberger rigging up and down.	
Repairs	

MUD PROPERTIES	
Weight	9.1
Viscosity	36
Water Loss	9.6
pH	8.8
Sand	$\frac{1}{2}$
Oil/Wat/Sol.	/ 96 /
Plastic Visc.	7
Yield Point	6
Gel. O/10'	/
Chlorides	10300

Survey	$\frac{1}{2}$ @
2	$\frac{1}{2}$ @ 831
3	$\frac{1}{2}$ @ 2550

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0800-1350 Drilling with Bit No. 3 2289'-2550'; 1350-1400 Circulated for logs; 1400-1500 Wiper trip to shoe; 1500-1530 Wire line survey; 1530-1600 Running in hole to 2550, no fill; 1600-1630 Circulated for logs; 1630-1830 Pulled out of hole; 1830-2330 Rigging up Schlumberger-tool, stop at 1994', Rigging down Schlumberger tool, went in hole and worked through bridge at 1990-2000 feet; 2330-0200 pulled out of hole; 0200-0400 Rigged up Schlumberger tool and ran IES; 0400-0800 Ran Sonic, Gamma Caliper logs.

PERSONNEL CHANGES AND VISITORS:

REMARKS: Bit was falling up, corrected problem by lowering viscosity and increasing angular velocity; ship roll 10°; Pitch 2°

GEOLOGY: See weekly geologic report for 852' - 2290'
2290' - 2550' - Marl to calcarenite, light grey green some glauconitic, carbonaceous, common fossil fragments, limestone light grey green and tan.

D of M	CC & M	D.S.M.E.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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D of M C.C.S.M. D.S.M.E.

RECEIVED 22 OCT 1971

DEPT. OF MINES

DAILY DRILLING REPORT No: 15 **WELL:** SAILFISH NO. 1

Date: 20 Oct. 1971 Depth: 2551' Footage Drilled: E & H at the rate of:

Nature of Operations: Reaming hole **Lithology:** Marl

Transmitting Officer: Mr Dysart **Receiving Officer:** Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		RR-3	4
Size	12 1/4"	15"	
Make	Smith	Security	
Type	SDS	S3J	
Nozzles	5/8	Oven	
Serial No.	HD 106	43316	
Depth In	585	856	
et		60	
Hours		1	
R.P.M.	100		
Pump Press.	625		
Bit Weight	0/10		
Ann. Vel.	113		
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B 2 1	T B 0 0	T B

PUMPS	
No.1 S.P.M.	6S
Liner Size	7 1/4 x 16
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	9.1
Viscosity	36
Water Loss	10.2
pH	9.2
Sand	
Oil/Wat/Sol.	/96 /
Plastic Visc.	7
Yield Point	6
Gel. O/10'	/
Chlorides	10,000

Survey	° @ ' "
	° @ " "
	° @ ' "

RIG TIME	
Drill.	1
Trip	11
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	10
Cond. mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Rig Service	1
Repairs	

BREAKDOWN AND OTHER TROUBLE: Sheared two pins on Rotary table drive Bushing

OPERATIONS: 0800-0900 Break down Schlumberger; 0900-1230 Running in hole with 15" bit, turn vessel 15° to port, vertical displacement 14'-16'; 1230-1330 Drilled out cement in shoe from 790'-856'; 1330-1430 Pulled out of hole; 1430-1630 Made up 12 1/4" bit and ran in hole to 585'; 1630-0230 Reamed out cement from 585' to 852' and opened hole from 12 1/4" to 17 1/2" from 828' - 1504'; 0230-0700 Pin on Kelly bushing sheared, pulled out of hole to replace under reamer cutter, Ran in hole.

PERSONNEL CHANGES AND VISITORS: 3 B.M.R. Personnel left ship.

REMARKS:

GEOLOGY:

DAILY DRILLING REPORT No.: 16

WELL: SAILFISH NO. 1

Date: 21 Oct. 1971 Depth: 2551' Footage Drilled: Reamed 15" Bit at the rate of: 47 ft/hr

Nature of Operations: Reaming 12 1/4" hole with 15" Bit at 1894' Lithology: Marl

Transmitting Officer: Mr Dysart

Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		RR 4	
Size	15"		
Make	Security		
Type	S3J		
Nozzles	1/2"		
Serial No.	43316		
Depth In	1728		
Feet			
Hours			
R.P.M.	200		
Pump Press.	1100		
Bit Weight	10 - 20		
Ann. Vel.	113		
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B

PUMPS	
No.1 S.P.M.	60
Liner Size	7 1/4 x 16
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	9.1
Viscosity	36
Water Loss	10.2
pH	9.2
Sand	Trace
Oil/Wat/Sol.	96 /
Plastic Visc.	7
Yield Point	6
Gel. O/10'	/
Chlorides	10,000

Survey	° @ ' "
	° @ " "
	° @ ' "

RIG TIME	
Drill.	
Trip	8.5
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	15.5
Cond. mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Lockomatic	
Washout	
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0730 finished running in hole to 1504'; 0730-1700 Open 12 1/4" hole to 17 1/2" from 1504'-1675'; 1700-1930 Pulled out of hole change Lockomatic, ran in hole changed to 15" Bit; 1930-2200 open 12 1/4" hole to 17 1/2" from 1675-1728; 2200-0330 lost 250 lbs pump pressure, pulled out of hole, broke down bumper sub for service, check lockomatic top Mandrel washed out, break down for service, running in hole with 15" Bit, inspect all drill pipes for washout; 0330-0700 Reaming 12 1/4" hole with 15" bit from 1728 - 1894.

PERSONNEL CHANGES AND VISITORS:

REMARKS: Drilling very hard with much torque with under reamer - had frequent complete stop of Kelly, problem due principally to vertical slip motion, now cutting hole to 15".

~~GEOLOGY~~ Daily drilling report is now from 0700-0700 the following day.

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25 OCT 1971			
LIST OF MILES			
REMARKS			

DAILY DRILLING REPORT No.: 17

WELL: SAILFISH NO. 1

Date: 22 Oct. 1971 Depth: 2551' Footage Drilled: _____ at the rate of: _____

Nature of Operations: Reaming at 1832' Lithology: Marl

Transmitting Officer: Mr Dysart Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		RR 4	
Size	15		
Make	Security		
Type	S3J		
Nozzles	1/2		
Serial No.	43116		
Depth In	1728		
et	822		
Hours	21 1/4		
R.P.M.	80		
Pump Press.	825		
Bit Weight	0-20		
Ann. Vel.	110		
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B 1 1	T B	T B

PUMPS	
No.1 S.P.M.	46
Liner Size	7 1/4 x 16
No.2 S.P.M.	46
Liner Size	7 1/4 x 16

MUD PROPERTIES	
Weight	8.9
Viscosity	37
Water Loss	16.9
pH	8.8
Sand	3
Oil/Wat/Sol.	0/97 /
Plastic Visc.	6
Yield Point	4
Gel. O/10'	/
Chlorides	10700

Survey	° @ ' ,
	° @ " "
	° @ " "
	° @ " "

RIG TIME	
Drill.	
Trip	5
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	17
Cond. mud & circulating	1/2
Running csg. & cementing	
W.O.C.	
Fishing	
Making up	
tools	1
Repairs	1/2

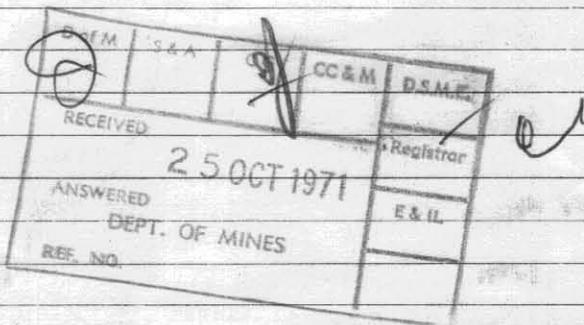
BREAKDOWN AND OTHER TROUBLE: Swivel packing replaced

OPERATIONS: 0700-0930 Jet in bit washed out, pulled out of hole, weld the same, running in hole to 1834'; 0930-1930 Open 12 1/4" hole to 15" hole from 1834'-2320'; 1930-2000 change swivel packing; 2000-2400 Open 12 1/4" hole to 15" hole from 2320-2550'; 2400-0030 Circulated and slugged pipe; 0030-0130 Pulled out of hole; 0130-0230 Make up 17 1/2" under reamer with 15" bit, trip bit and hole opener; 0230-0400 Running in hole to 1728'; 0400-0700 Reaming 12 1/4" hole to 17 1/2" hole from 1728'-1832'

PERSONNEL CHANGES AND VISITORS:

REMARKS: Weather good

GEOLOGY:



DAILY DRILLING REPORT No.: 18

WELL: SAILFISH NO. 1

Date: 23 Oct. 1971 Depth: Footage ~~Drilled~~ Reamed: 432' at the rate of:

Nature of Operations: Secured for weather

Lithology:

Transmitting Officer: Mr Dysart

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In Feet				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	9.3
Viscosity	34
Water Loss	19.2
pH	8.6
Sand	Trace
Oil/Wat/Sol.	0 / 97 /
Plastic Visc.	8
Yield Point	7
Gel. O/10'	/
Chlorides	9700

Survey	° @
	° @
	° @
	° @

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	15
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Secured for weather	2
Waiting on weather	7
Repairs	

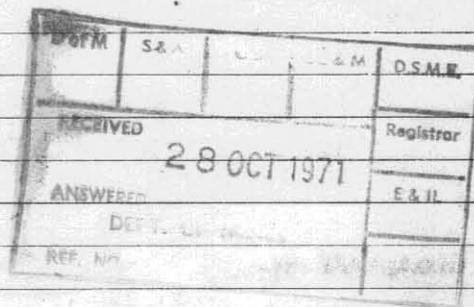
BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-2200 Opened 15" hole to 17½" 1832-2264; 2200-2400 anchor No. 4 slipped and rig moved slightly off location - pulled 7 strands of pipe and picked up, hang off tools, landed on lower ram, kill choke and blind rams, picked up sling, unlatched riser and hung in moonpool, bit at 1319'; 2400-0700 waiting on weather

PERSONNEL CHANGES AND VISITORS:

REMARKS: Now preparing to piggy back slipped anchor

GEOLOGY:



356021

DAILY DRILLING REPORT No.: 19

WELL: SAILFISH NO. 1

Date: 24 Oct. 1971 Depth: Footage Drilled: at the rate of:

Nature of Operations: Waiting on weather Lithology:

Transmitting Officer: Mr Dysart Receiving Officer: Mr Armstrong

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
Feet							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond.mud & circulating
Pump Press,							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							
Bit H.P.							
Torque							
Condition	T B	T B	T B	T B			Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	°	@	'
	°	@	"
	°	@	'

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-1300 waiting on weather, No. 6 anchor had broken stock, was repaired to use as piggy back, transferred same to SM-33; 1300-1600 attempt to reset No. 4 anchor, seas too rough; at 1600 position of ship is 60' off location on port side; 1600-0700 waiting on weather.

PERSONNEL CHANGES AND VISITORS:

REMARKS: No. 4 anchor pulled in without much effort; N.E. wind could cause loss of hole under present conditions.

GEOLOGY:

DATE	S&A	CC	CC&M	D.S.M.E.
RECEIVED				Registrar
28 OCT 1971				E&IL
ANSWERED				
DEPT. OF MINES				
REF. NO.				

DAILY DRILLING REPORT No.: 20

WELL: SAILFISH NO. 1

Date: 25 Oct. Depth: Footage Drilled: at the rate of:

Nature of Operations: Running in hole with Reaming assembly Lithology:

Transmitting Officer: Mr Dysart

Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	CG	CC&M DSME. Previous Bits
	Size	RECEIVED	28 OCT 1971
Make	ANSWERED		
Type	DEPT. OF MINES		
Nozzles	REF. NO.		
Serial No.			
Depth In			
at			
Hours			
R.P.M.			
Pump Press,			
Bit Weight			
Ann. Vel.			
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O/10'	/
Chlorides	

Survey	° @ ' "
	° @ ' "
	° @ ' "

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0830 waiting on weather; 0830-0900 position vessel over location, run T.V. 0900-1200 diver checked stack - top clean, H4 connection open; 1200-1300 still waiting on weather to put anchors out; need to get drill pipe out before stuck, so landed riser, open kill and choke lines; 1300-1600 open blind rams, running in hole open ended, unable to stab and hang off tools, tools out hole; 1600-1730 running in hole with globe 9" magnet, no recovery; 1730-1830 ran sinker bar on sand lines, stop at hang off tools; 1830-2030 running in hole with drill pipe, circulated over hang off tools, could not get in tool; 2030-2300 running in hole with 2-7/8" x 6' stinger, circulated and cleaned out to 306' through hang off tool, tools out of hole; 2300-0030 make up and running in hole with bull nose guide on bent drill pipe, close hydril, screw into hang off tools, open lower rams; 0030-0200 tools out of hole with reaming assembly; 0200-0400 break and service all heavy wall drill pipe and 7 3/4" drill collars; 0400-0700 work boat repositioned No. 4 anchor with piggy back.

REMARKS: Seas are calm at 0400 to do anchor work preparing to run in hole with reaming assembly, expect faster reaming because drill rate increased considerably when this interval was drilled. Moving injured man from SM-33 to Flinders, preparing to piggy back No. 9, 3, 8 anchors. Union strike is on, fuel and water black banned with the exception of the Conception.

DAILY DRILLING REPORT No.: 21

WELL: SAILFISH NO. 1

Date: 26 Oct. 1971 Depth: Footage ^{Reamed} ~~Drilled~~: 286' at the rate of: 28.6'/hr.

Nature of Operations: Running casing at 0900, 26 Oct. Lithology:

Transmitting Officer: Mr Dysart

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In				
at				
Hours				
R.P.M.	80			
Pump Press.	850			
Bit Weight	0/10			
Ann. Vel.	54			
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	

PUMPS	
No.1 S.P.M.	6
Liner Size	7 1/2 x 16
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	9.2
Viscosity	34
Water Loss	25
pH	8.6
Sand	Trace
Oil/Wat/Sol.	0.95 /
Plastic Visc.	7
Yield Point	7
Gel. O/10'	/
Chlorides	11700

Survey	°	@	'
	°	@	"
	°	@	'
	°	@	'

RIG TIME	
Drill.	
Trip	5
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	10
Cond. mud & circulating	1/2
Running csg. & cementing	
W.O.C.	
Fishing	
Releasing Riser	1.5
Waiting on weather	7
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0730 Re run No. 4 anchor and piggy same; 0730-0800 test No. 4 to 140,000 lbs - okay, position vessel over location; 0800-0930 make up 17 1/2" assembly running in hole to 2464'; 0930-1930 open hole to 17 1/2" from 2264-2550'; 1930-2000 circulate to run casing; 2000-2200 tools out of hole break down 17 1/2" assembly; 2200-2330 running in hole retrieve bold protector, displaced mud in riser with salt water; 2330-0100 rig and hang off riser in moon pool; 0100-0700 waiting on weather.

PERSONNEL CHANGES AND VISITORS:

REMARKS: Postpone running casing due to:

1. difficulty in handling same in rough sea.

~~GEOLOGY~~: 2. danger of being blown off hole with casing partially ran

Wind increased to 40 mph and swells increased to 14', winds have decreased to 20 mph and changed direction to N.W.

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DAILY DRILLING REPORT No.: 22

WELL: SAILFISH NO. 1

Date: 27 Oct. 1971 Depth: 2550' Footage Drilled: at the rate of:

Nature of Operations: Waiting on weather
(Hurricane force winds at 0830, 27th) Lithology:

Transmitting Officer: Mr Clark

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
Feet							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond. mud & circulating
Pump Press.							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							Running casing
Bit H.P.							Waiting on weather
Torque							Landed riser
Condition	T	B	T	B	T	B	Securing vessel
							Repairs

MUD PROPERTIES	
Weight	9.2
Viscosity	34
Water Loss	27
pH	8.6
Sand	5%
Oil/Wat/Sol.	0 / 95 / 0
Plastic Visc.	7
Yield Point	7
Gel. O/10'	2 / 6
Chlorides	12000

Survey	°	@	'
	°	@	"
	°	@	'
	°	@	'

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0830 waiting on weather; 0830-0930 position over location, land riser; 0930-0130 Rig and ran 13-3/8" casing with 25-50 mph wind and 18-20' seas; 0130-0230 landed casing and at 0130 winds increased to 60 mph with 16-20' seas, 10° pitch and 4° roll, back off of 13-3/8" casing with landing string, pull and lay down same; 0230-0330 pick up emergency sling and unlatch H-4, pull and hang riser in moon pool; 0330-0700 waiting on weather.

PERSONNEL CHANGES AND VISITORS:

REMARKS: Secured vessel (now in storm) Could not cement casing due to extreme bad weather.

GEOLOGY:

DofM	S & A	REG	CC & M	D.S.M.E.
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ANSWERED		DEPT. OF MINES		E & IL
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PE/IR

DAILY DRILLING REPORT No.: 23

WELL: SAILFISH NO. 1

Date: 28 Oct. 1971 Depth: 2550' Footage Drilled: at the rate of:

Nature of Operations: Waiting on weather

Lithology:

Transmitting Officer: Mr Clark

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							Open hole test
Serial No.							Rig. Serv.
Depth In							Survey
et							Cut Dr. Line
Hours							Reaming
R.P.M.							Cond. mud & circulating
Pump Press,							Running csg. & cementing
Bit Weight							W.O.C.
Ann. Vel.							Fishing
Jet Vel.							Waiting on weather
Bit H.P.							24
Torque							
Condition	T	B	T	B	T	B	Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

Survey	°	@	'
	°	@	"
	°	@	"
	°	@	"

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0700: Waiting on weather. Position vessel 40' to Port and 20' astern of hole until weather improves

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REF. NO.		

PERSONNEL CHANGES AND VISITORS:

REMARKS: Wind velocity 35-45 gusting to 55 mph

Heavy seas - crew change postponed due to weather

GEOLOGY:

DAILY DRILLING REPORT No.: 24

WELL: SAILFISH NO. 1

Date: 29 Oct. 1971 Depth: 2550'

Footage Drilled:

at the rate of:

Nature of Operations: Testing 13 3/8" seal assembly

Lithology:

Transmitting Officer:

Receiving Officer:

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In				
et				
Hours				
R.P.M.				
Pump Press.				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

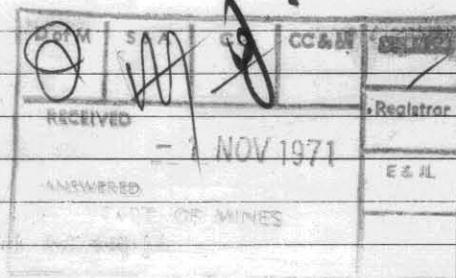
Survey	°	@	'
	°	@	"
	°	@	'

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond. mud & circulating	1.5
XXXXXXXXXX cementing	1.5
W.O.C.	
Fishing	
Repairing casing	2.5
Position vessel	1.5
Waiting on weather	13
Others	4
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-2000 waiting on weather; 2000-2030 position vessel over hole; 2030-2130 land riser latch H-4; 2130-2400 making up 13 3/8" casing, running and cementing tools, make up 13 3/8" casing hanger; 2400-0130 circulate 13 3/8" casing - full return; 0130-0300 cement 13 3/8" casing with 730 sacks class A with 8% Gel followed by 200 neat displaced 334 bbls of mud, cement in place at 0300 hrs; 0300-0400 back off of 13 3/8" casing, displaced mud in riser with salt water, pump through choke and kill lines, ~~XXXXXXXXXX~~ clean out BOP and casing hanger; 0400-0700 pulled out of hole make up seal assembly, run in hole, testing kill line and stack and seal assembly, cemented 13 3/8" casing in accordance with programme. Anticipate 18 hours for cement to dry.

GEOLOGY:



DAILY DRILLING REPORT No.: 25

WELL: SAILFISH NO. 1

Date: 30 Oct. 1971 Depth: 2550' Footage Drilled: at the rate of:

Nature of Operations: Waiting on Schlumberger and casing repair. Lithology:

Transmitting Officer: Mr Clark Receiving Officer: Mr Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	Size			
Make				
Type				
Nozzles				
Serial No.				
Depth In				
at				
Hours				
R.P.M.				
Pump Press,				
Bit Weight				
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel.O'/10'	/
Chlorides	

Survey	o @ ' "
	o @ ' "
	o @ ' "

RIG TIME	
Drill.	
Trip	
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700 hrs between 1600-1700 hrs testing and retesting 13 3/8" seal assembly; 1700-1900 tested seal assembly and BOP to 5000 psi - okay; 1900-2200 running in hole and set, 13 3/8" bold protector; 2200-2400 hrs make-up and ran in with 12 1/2" bit, stopped at 555'; 2400-0700 pulled out of hole and ran in with open ended drill pipe, stopped at 555'; 0700 hrs waiting on Schlumberger and tri-state tools

PERSONNEL CHANGES AND VISITORS:

REMARKS: Believe 13 3/8" casing to be badly dented or collapsed 555' preparing to run survey, possibly casing swedge if survey confirms condition.

GEOLOGY:

RECEIVED	3 NOV 1971
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DAILY DRILLING REPORT No.: 26

WELL: SAILFISH NO. 1

Date: 31st Oct. 1971 Depth: 2580' Footage Drilled: 30' at the rate of: 15'/hr

Nature of Operations: Running in hole

Lithology: Marl

Transmitting Officer: Mr Clark

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
		RR5		
Size	12 1/4			
Make	Smith			
Type	SVH			
Nozzles	1 1 1 2 2 2			
Serial No.	6628L			
Depth In	2359			
at				
Hours				
R.P.M.	100			
Pump Press.	2100			
Bit Weight	10-30,000			
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T B	T B	T B	

PUMPS	
No.1 S.P.M.	40
Liner Size	7 1/4 x 16
No.2 S.P.M.	40
Liner Size	7 1/4 x 16

RIG TIME	
Drill.	6
Trip	4
Coring	
Logging	4 1/2
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Swaging	6 1/2
W.O. tools	1 1/2
Test casing	1
DST change	1
Repairs	

MUD PROPERTIES	
Weight	9.1
Viscosity	37
Water Loss	26.4
pH	9.8
Sand	Trace
Oil/Wat/Sol.	- / 95/5
Plastic Visc.	7
Yield Point	8
Gel.O'/10'	3 1/8
Chlorides	10,000

Survey	o @ ' "
	o @ " "
	o @ " "

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0830 Waiting on Schlumberger and swaging tools; 0830-1300 Ran Schlumberger collar locator also attempted run caliper log, latter would not pass 555'; 1300-1530 Ran 8 1/2 swage, worked 555' to 625' pulled out of hole; 1530-1930 Ran 12 1/8" swage, worked 555' to 570' pulled out of hole; 1930-2000 Tested 13 3/8" casing 1000 psi - OK; 2000-2200 ran in hole with 12 1/4" bit, worked same from 555' to 570' small amount of drag, found top cement at 2359; 2200-0200 drilled out ~~PERSONNEL CHANGES AND TOOLS:~~ cement in casing; 0200-0300 changed to Daylight Saving Time; 0300-0500 drilled from 2550 to 2580, drilling on Lokamatic cones junk. REMARKS: 0500-0700 pulled out of hole changed bits and bumpersubs.

GEOLOGY:

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DAILY DRILLING REPORT No.: 27

WELL: SAILFISH NO. 1

Date: 1st Nov. 1971 Depth: 3335' Footage Drilled: 755 at the rate of:

Nature of Operations: Drilling Lithology: Marl

Transmitting Officer: Mr Clark Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
	7	6	
Size	12½	12½	
Make	Smith	Smith	
Type	SDS	SVH	
Nozzles	½	½	
Serial No.	GM 478	66223	
Depth In	2622	2580	
et	-	42	
Hours	-	4	
R.P.M.	150	100	
Pump Press,	2200	1300	
Bit Weight	20-30000	10-30000	
Ann. Vel.			
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B
		7 1	

PUMPS	
No.1 S.P.M.	30
Liner Size	7½ x 16
No.2 S.P.M.	30
Liner Size	7½ x 16

MUD PROPERTIES	
Weight	9.1
Viscosity	48
Water Loss	19.0
pH	9.6
Sand	Trace
Oil/Wat/Sol.	0 / 94 / 6
Plastic Visc.	11
Yield Point	24
Gel.O/10'	10 / 17
Chlorides	11,000

Survey	° @ ' "
	° @ ' "
	° @ ' "
	° @ ' "

RIG TIME	
Drill.	18½
Trip	5½
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

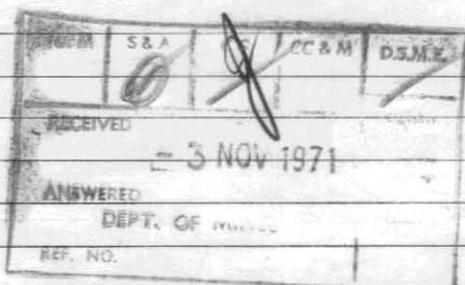
BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0830 running in hole with bit No. 6; 0830-1200 drilled 2580-2620; 1200-1600 trip change bit; 1600-0700 drilled from 2620-3335' with bit No. 7

PERSONNEL CHANGES AND VISITORS: Mr J.G. Fuller, G.E. Congdon, R. Hopkins, Gary Armstrong

REMARKS:

GEOLOGY: 2550-2730 Marl and calcareous siltstone grey, rare glauconite, abundant forams.
 2730-2850 Calcareous siltstone light gray prominent glauconite, trace pyrite, abundant forams
 2850-3300 marl and calcareous siltstone slightly glauconite, abundant forams.



DAILY DRILLING REPORT No.: 28

WELL: SAILFISH NO. 1

Date: 2nd Nov. 1971 Depth: 4250' Footage Drilled: 915' at the rate of:

Nature of Operations: Drilling at 4250'

Lithology:

Transmitting Officer: Mr Clark

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				
Bit No.	Present Bit		Previous Bits	
	8		7	
Size	12 1/4		12 1/4	
Make	Smith		Smith	
Type	SDS		SDS	
Nozzles	1 2	1 2	1 2	1 2
Serial No.	HT 107		GM 478	
Depth In	3614		2622	
Cost	Inc.		992	
Hours	Inc.		22 1/2	
R.P.M.	200		150/200	
Pump Press.	2250		2200	
Bit Weight	20/30		20/30	
Ann. Vel.				
Jet Vel.				
Bit H.P.				
Torque				
Condition	T	B	T	B

PUMPS	
No.1 S.P.M.	65
Liner Size	7 1/2 x 16
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	20
Trip	3 1/2
Coring	
Logging	
Open hole test	
Rig. Serv.	
Survey	1/2
Cut Dr. Line	
Reaming	
Cond.mud & circulating	
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

MUD PROPERTIES	
Weight	10.6
Viscosity	57
Water Loss	10.8
pH	9.0
Sand	Trace
Oil/Wat/Sol.	-/ 88/ 12
Plastic Visc.	18
Yield Point	17
Gel.O'/10'	5/ 21
Chlorides	8,000

Survey	o	@	'
	o	@	"
	o	@	"
	o	@	"

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-1430 Drilling 3335' to 3614'
 1430-1500 Survey: 1 1/2 @ 3614
 1500-1830 Trip to change bits
 1830-0700 Drilling 3614 to 4250'

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PERSONNEL CHANGES AND VISITORS: John Fuller, Gene Congdon, Roy Hopkins

REMARKS:

GEOLOGY: 3300-3480: Fossiliferous Marl
 3480-3700: Grey, fine-grained argillaceous limestone and marl
 3700-3830: Limestone; white particulate (macro-shells), tightly cemented and argillaceous limestone
 3830-4050: Marl, grey and argillaceous limestone; prominent forams
 4050-4150: Volcanics; red, iron stained, weathered with some green altered volcanics
 4150-4250: Volcanics; "fresh" dark green altered volcanics

DAILY DRILLING REPORT No.: 29

WELL: SAILFISH NO. 1

Date: 3 Nov. 1971 Depth: 4663' Footage Drilled: 415' at the rate of: 39.5'/hr

Nature of Operations: Logging Lithology: Same as above

Transmitting Officer: Mr Clark Receiving Officer: Mr Armstrong

BIT PERFORMANCE			
Bit No.	Present Bit	Previous Bits	
		8	
Size	12 1/2		
Make	Smith		
Type	SDS		
Nozzles	1/2 1/2 1/2		
Serial No.	HT 107		
Depth In	3614		
Rate	105.1 105.1		
Hours	23		
R.P.M.	200		
Pump Press.	22.50		
Bit Weight	20-30,000		
Ann. Vel.			
Jet Vel.			
Bit H.P.			
Torque			
Condition	T B	T B	T B

PUMPS	
No.1 S.P.M.	
Liner Size	x
No.2 S.P.M.	
Liner Size	x

RIG TIME	
Drill.	10.5
Trip	5
Coring	
Logging	7
Open hole test	
Rig. Serv.	
Survey	
Cut Dr. Line	
Reaming	
Cond.mud & circulating	1.5
Running csg. & cementing	
W.O.C.	
Fishing	
Repairs	

MUD PROPERTIES	
Weight	10.2
Viscosity	52
Water Loss	10.8
pH	8.8
Sand	Trace
Oil/Wat/Sol.	8 / 89 / 11
Plastic Visc.	17
Yield Point	13
Gel.O'/10'	6 / 19
Chlorides	6000

Survey	o @ ' .
	o @ " .
	o @ ' .

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-1730 drilling 4250'-4665'; 1730-1800 circulating and conditioning mud; 1800-2000 wiper trip to shoe; 2000-2100 circulating; 2100-2400 pulled out of hole; 2400-0700 logging IES, sonic gamma ray, rerun IES due to faulty circuit.

PERSONNEL CHANGES AND VISITORS:

REMARKS: Preparing to run cement plug

GEOLOGY:

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DAILY DRILLING REPORT No.: 30

WELL: SAILFISH NO. 1

Date: 4th Nov. 1971 Depth: 4665' Footage Drilled: at the rate of:

Nature of Operations: Attempting to unlatch H4 Lithology:

Transmitting Officer: Mr Clark

Receiving Officer: Mr Armstrong

BIT PERFORMANCE				PUMPS		RIG TIME	
Bit No.	Present Bit		Previous Bits		No.1 S.P.M.		Drill.
	Size					Liner Size	x
Make					No.2 S.P.M.		Coring
Type					Liner Size	x	Logging
Nozzles							1.5
Serial No.							Open hole test
Depth In							Rig. Serv.
et							Survey
Hours							Cut Dr. Line
R.P.M.							Reaming
Pump Press,							Cond.mud & circulating
Bit Weight							Running ^{drill pipe} & cementing
Ann. Vel.							10
Jet Vel.							W.O.C.
Bit H.P.							5.5
Torque							Fishing
Condition	T B	T B	T B	T B			Rigging down
							7
							Repairs

MUD PROPERTIES	
Weight	
Viscosity	
Water Loss	
pH	
Sand	
Oil/Wat/Sol.	/ /
Plastic Visc.	
Yield Point	
Gel. O/10'	/
Chlorides	

Survey	° @
	° @
	° @

BREAKDOWN AND OTHER TROUBLE:

OPERATIONS: 0700-0800 Rerun IES log; 0800-1200 landed open ended drill pipe to 4100' placed 110 class A cement; 1200-1400 WOC, breaking down drill pipe; 1400-1800 ran in to 2609 feet, placed 135 sacks of class A Cement with 2% calcium chloride; 1800-2130 WOC, lay down drill collars and tagged top of plug at 2455 feet; 2130-2400 Ran into 400 feet with OEDP, placed 50 sacks of class A cement with 2% calcium chloride, circulated out cement above 350'; 2400-0200 Rigging up to pull

PERSONNEL CHANGES AND VISITORS: riser, washed well head and kill and choke lines with salt water, broke down drill pipe; 0200-0700 trying to unlatch H-4 connector

REMARKS: Divers attempting to untangle guide lines and checking hydraulic lines for leaks.

GEOLOGY:

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