COHO HOME

SILT LAKE SOUTH 2G-21

9211-C54-1-1

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada

E.A. # 173
D.A. # 1303

Nova Scotia	☐	West Coast	☐	Exploratory	☒
Newfoundland	☐	Northern	☒	Development	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Delineation	☐
				Service	☐

AUTHORITY TO DRILL A WELL

APPLICATION

This application is submitted with Section 82 of the Canada Oil and Gas Drilling Regulations. When approved under Section 83 of the Regulations, it is the requisite authority for the commencement of drilling operations.

Well Name in Full: Coho Home Silt Lake South 2G-21
Operator: Coho Resources Limited — Drilling Program No.:
Contractor: SDS Drilling - Calgary — Permit or Lease No.: EA#173
Drilling Rig or Unit: #4 — Estimated Well Cost: $448,000
Location-Unit: G — Section: 21 — Grid Area: 60-10 - 118-45
Coordinates: Lat.: 60°00'27.906" — Long.: 118°49'22.609"
Area: Cameron Hills W. (N.W.T.) — Field/Pool: Wildcat
Elevation- KB: 623.02 m (ASL) — Ground: 622.02 m (ASL)
Approx. Spud Date: January 29, 1986 — Estimated Days on Location: 7
Anticipated Total Depth: 400 m KB — Target Horizon(s)
UWI: 302G216010118450

EVALUATION PROGRAM

Ten-metre sample intervals: Not Required
Five-metre sample intervals: Surface - Total Depth
Canned sample intervals: Not required
Conventional cores at: Prospective oil shows. All core to be plastic sleeved.
Logs and Tests: DIL, CDL-CNS-GR-CALIPER - 100 m - surface
DIL, CDL-CNS-GR-CALIPER - Total Depth (400m) - Surface casing

CASING AND CEMENTING PROGRAM

O.D	Weight:	Grade:	Setting Depth (mKB)	Cementing Program (Volumes):
177.8 mm	25.30 kg/m	K-55	100 m	2.6 T.O:1:0 "A" + 3% CaCl2
114.3 mm	14.14 kg/m	J-55	400 m	T.D. - Surface

B.O.P. Equipment: 6" Regan Annular Hydril

Other Information: Nitrogen bottle and Baker pump

Signed: K H Lambert — Title: President
Date: January 7, 1986 — Company: Coho Resources Limited

APPROVAL

An approved copy of this notice is to be posted at each wellsite.

Signed: [signature] — Engineering Branch
Date: 23 Jan 86
File: 9211-C54-1-1

Department of Energy, Mines and Resources
Ministère de l'Énergie des Mines et des Ressources

Department of Indian Affairs and Northern Development
Ministère des Affaires indiennes et du Nord canadien

Canada

DRILLING AUTHORITY NO.: 1303

REGION: NORTHERN

WELL BULLETIN
CANADA OIL AND GAS LANDS ADMINISTRATION
ENGINEERING BRANCH

DATE APPROVED: 86 01 23

COMPANY: Coho Resources Limited

E. A. NO.: #173

WELL NAME: Coho Home Silt Lake South 2G-21

LOCATION: UNIT G SECTION 21 GRID: 60-10-118-45

LATITUDE: 60° 00' 27.906" N LONGITUDE: 118° 49' 22.609" W

UNIQUE WELL IDENTIFIER: 302G216010118450

LATITUDE: 60.00775° W LONGITUDE: 118.82294° W

CLASSIFICATION: Exploratory

ELEVATION: GROUND: 622.02 m K.B.: 623.02 m

APPROVED FINAL DEPTH: 400 m KB

CONTRACTOR: SDS Drilling RIG NO.: #4

For further information contac

M. D. Thomas, Manager
Northern Region
Engineering Branch

Canada Oil and Gas Lands Administration / Administration du pétrole et du gaz des terres du Canada

E.A. #173
D.A. 1303

				Well Status	
Nova Scotia	☐	West Coast	☐	Suspended	☐
Newfoundland	☐	Northern	☒	Completed	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Abandoned	☒

WELL TERMINATION RECORD

This record is submitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

WELL DATA

Well Name: Coho Home Silt Lake South 26-21 Area: Cameron Hills W. (N.W.T.)

Grid Area: 60 -10 -118 -45 Field/Pool: Wildcat

Permit or Lease No.: EA #173 Final Coordinates: Lat.: 60° 00'27.906"N Long: 118° 49'22.609"W

Drilling Unit: SDS Drilling Unit #4 Elevations ~~RT~~/KB: 625.3m SF/GL: 624.3m

Spud Date: 86-01-29 Rig Released: 86-02-11 Total Depth: 410mK.B.

CASING AND CEMENTING

O.D.:	Weight:	Grade:	Depth Set:	Cement and Additives:
177mm	25.30kg/m	H-40	103.7mKB	3.8 tonnes of 0:1:0 Class "A" cement + 3% $CaCl_2$.

PLUGGING PROGRAM

Approval of the following program was obtained by (person) Mr. Len Monteith from (person) Mr. Ken Singh of the Canada Oil and Gas Lands Administration by means of Mobile on February 9th 19 86

Type of Plug:	Interval:	Felt:	Cement and Additives:
Cement (1)	410-310m	Not Felt	2.6t Class "A" 0:1:0
Cement (2)	117-87m	7.1m	2.0t Class "A" 0:1:0
Cement (3)	10m-surface	-	.25t Class "A" 0:1:0

Lost Circulation/Overpressure Zones: Not encountered

Equipment left on Seafloor (Describe): —

Provision for Re-entry (Describe and attach sketch): Not anticipated

Cores: Type: Wireline Intervals: Attached

Other Downhole Completion/Suspension Equipment: —

CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.

Signed: R.J. Tiefenbach P. Eng. Title: Operations Manager

Name: R.J. Tiefenbach Date: March 21/86

Acknowledged by: Ken Singh
Engineering Branch

Date: June 03, 1986

File: 9211-C54-1-1

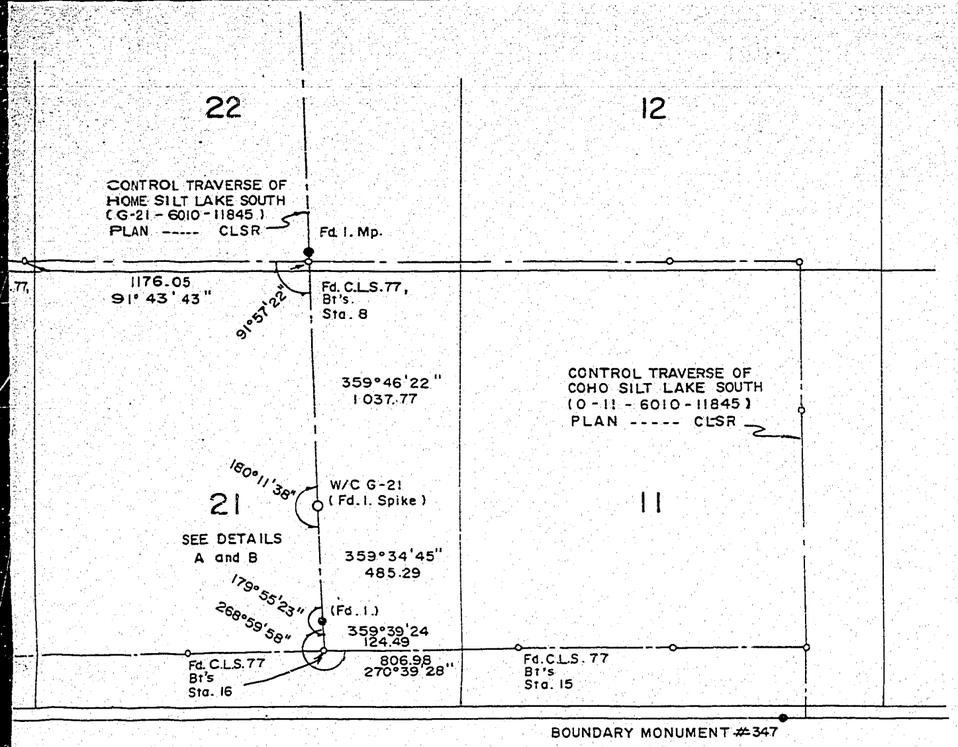
Department of Energy, Mines and Resources / Ministère de l'Énergie, des Mines et des Ressources

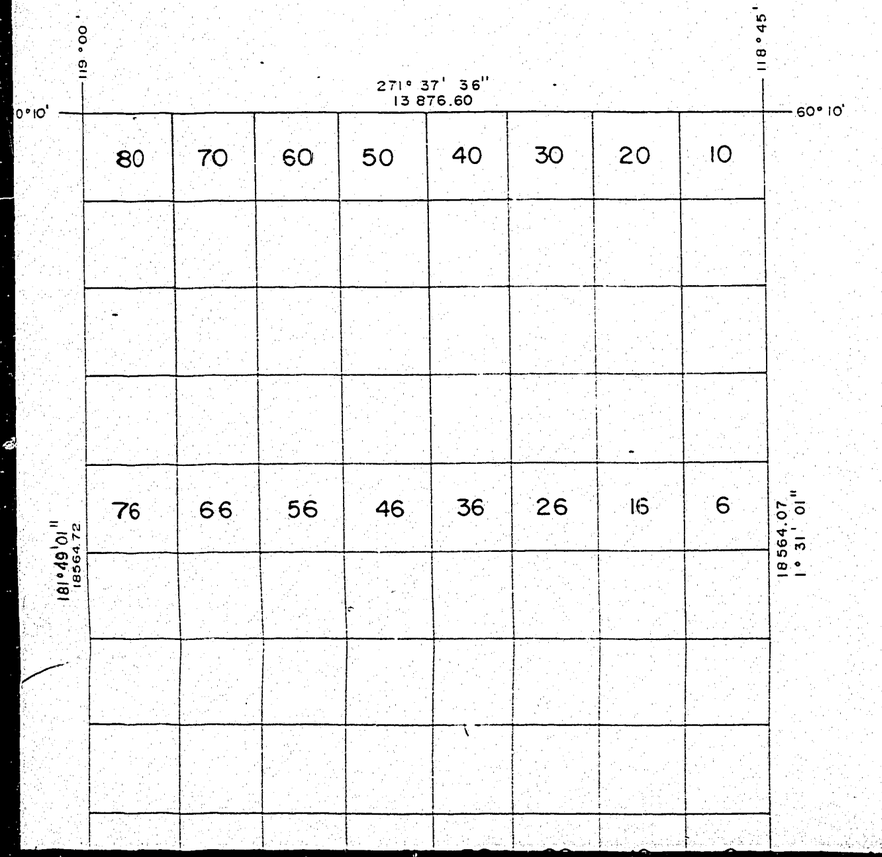
Department of Indian Affairs and Northern Development / Ministère des Affaires indiennes et du Nord canadien

Canada

9211-C54-1-1

26-21





PLAN AND FIELD NOTES OF SURVEY OF PROPOSED EXPLORATORY WELL COHO SILT LAKE SOUTH IN UNIT G, SECTION 21 GRID AREA 60° 10', 118° 45'

NORTHWEST TERRITORIES

CANADA OIL AND GAS LAND REGULATIONS

Scale 1:20 000

1000 0 1000 2000 METRIC

SURVEYED FOR: COHO RESOURCES LIMITED

BY: J. MARIE SATRA, C.L.S.

LEGEND

UTM coordinates are computed for Zone 11, Central Meridian 117° W.
Bearings were derived from the bearing 91° 38' 12" 77computed between Boundary Monuments No's. 351 and 347 and are referred to Meridian 117° W.
Distances are expressed in metres and decimals thereof.
Distances shown in traverse are measured distances reduced to the horizontal at general ground level.
For the computation of coordinates measured distances have been reduced to the UTM plane by multiplying them by an average combined scale factor of 0.9996304 Coordinates were then adjusted to fit the control. (Sea Level Factor = 0.99990302; Scale Factor = 0.99972735)
Distances shown on grid area subdivisions are UTM plane.
Boundary Monuments found shown thus: ●
Monuments planted shown thus: o
Traverse lines and stations shown thus: o——————o
Mkr. denotes metal marker post 2.0m. long planted 0.3m. W.
Elevations were derived from Boundary Monument No. 351, Elev. = 617.32
Survey was completed prior to drilling, therefore well as drilled may not necessarily agree with proposed location.
Area required = 0.240 ha.
Angles shown are mean of four or more measurements.

I, J. Marie Satra, of the City of Edmonton, Alberta, Canada Lands Surveyor, make oath and say that I have in my own proper person, according to the law and the instructions of the Surveyor General of Canada Lands, faithfully and correctly executed the survey shown by this plan and field notes, and that the said plan and field notes are correct and true to the best of my knowledge and belief.
SO HELP ME GOD

Sworn before me at Edmonton
this 5th day of January, 1986

T. Satra
Canada Lands Surveyor

Commissioner of Oaths in and for the Province of Alberta.
(Antonia Radovanovic - commission expires 16/11/87)

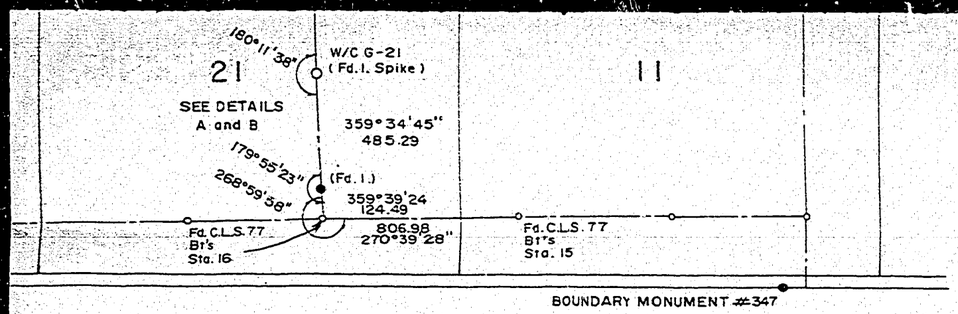
THIS SURVEY WAS EXECUTED DURING THE PERIOD OF
December 27, 1985 TO January 1, 1986

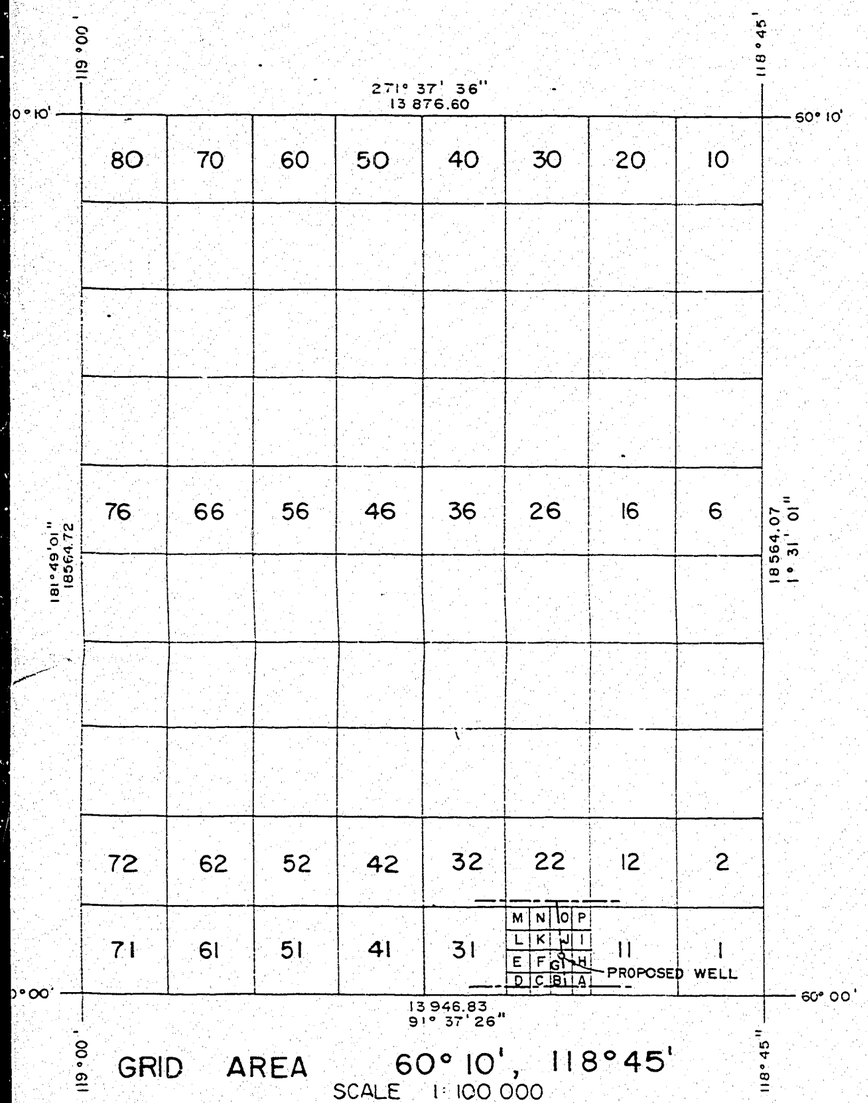
COHO RESOURCES LIMITED

Vice - President

Vice President

Date





GRID AREA 60° 10', 118° 45'

SCALE 1: 100 000

GRID AREA 60° 10', 118° 45'

NORTHWEST TERRITORIES

CANADA OIL AND GAS LAND REGULATIONS

Scale 1: 20 000

1000 0 1000 2000 METRIC

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BY: J. MARIE SATRA, C.L.S.

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SO HELP ME GOD

Sworn before me at Edmonton
this 5th day of January, 1986

J. Satra
Canada Lands Surveyor

Commissioner of Oaths in and for
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(Antonia Radovanovic - commission expires 16/11/87)

THIS SURVEY WAS EXECUTED DURING THE PERIOD OF
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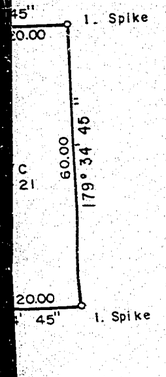
Vice-President

Vice President

Date

G-METRIC ENGINEERING SERVICES LTD.
FILE NO. 86-176



359° 34' 45"

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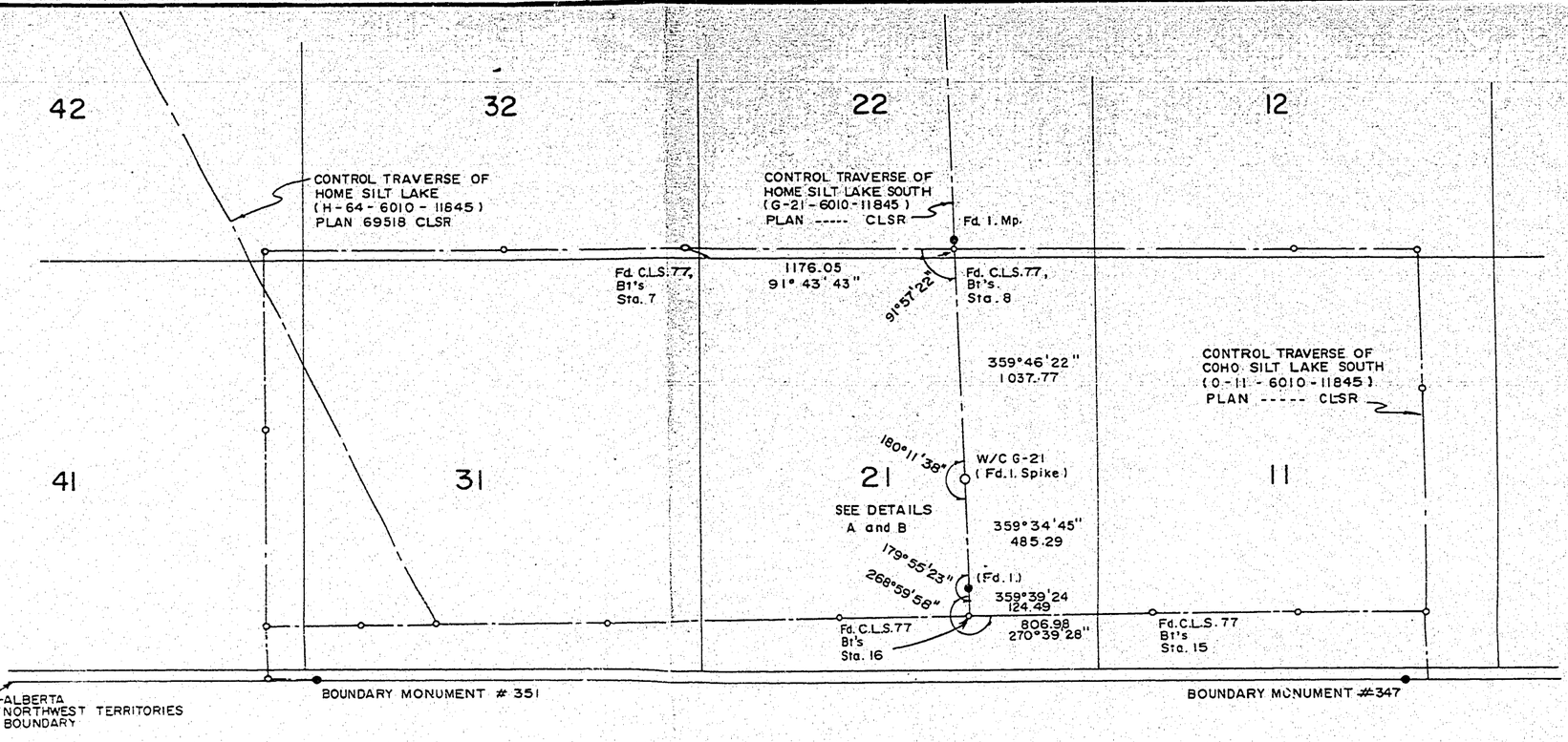

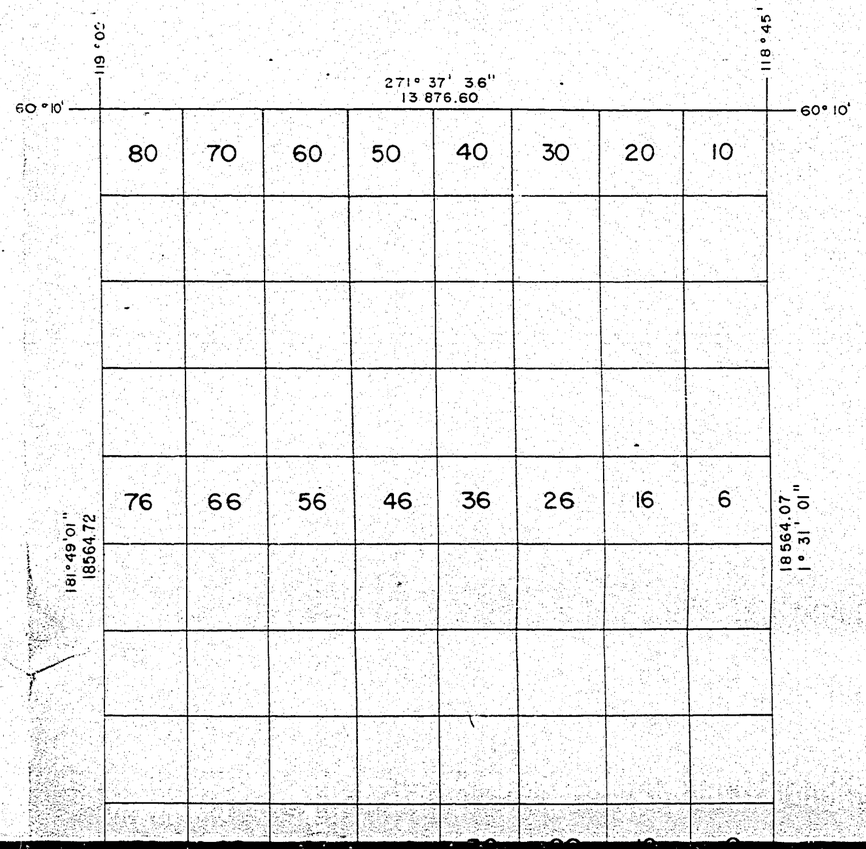

GEOGRAPHIC AND UTM COORDINATES (1927 NAD)

STATION	LATITUDE	LONGITUDE	NORTHING	EASTING
CONTROL MONUMENTS				
# 351	59°59' 58"744	118° 52' 26"786	6 652 646.469	395 470.794
GRID AREA				
NE	60° 10'	118° 45'	6 671 053.25	402 884.28
NW	60° 10'	119° 00'	6 671 447.16	389 013.27
SE	60° 00'	119° 00'	6 652 890.94	388 451.62
SW	60° 00'	118° 45'	6 652 495.69	402 392.85
G-21 NE	60° 00' 30"172	118° 49' 13"128	6 653 534.71	398 497.42
G-21 NW	60° 00' 30"183	118° 49' 41"253	6 653 547.06	398 061 86
G-21 SE	60° 00' 15"172	118° 49' 13"128	6 653 070.78	398 484.65
G-21 SW	60° 00' 15"183	118° 49' 41"253	6 653 083.13	398 049.04
TRAVERSE STATIONS				

LEGEND

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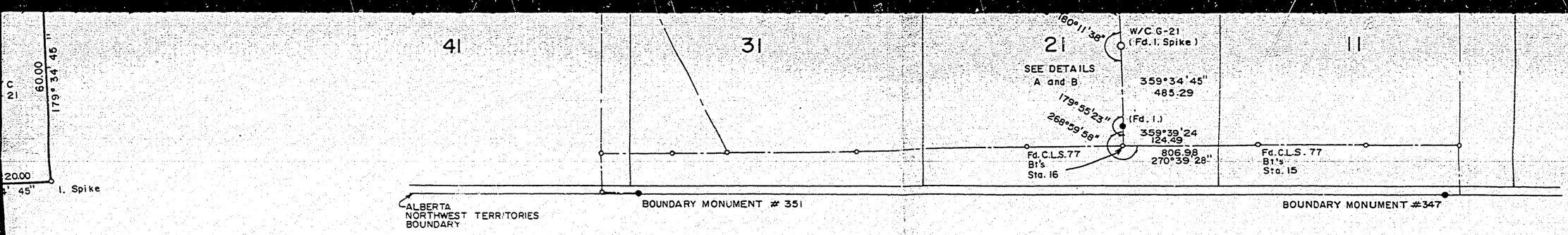

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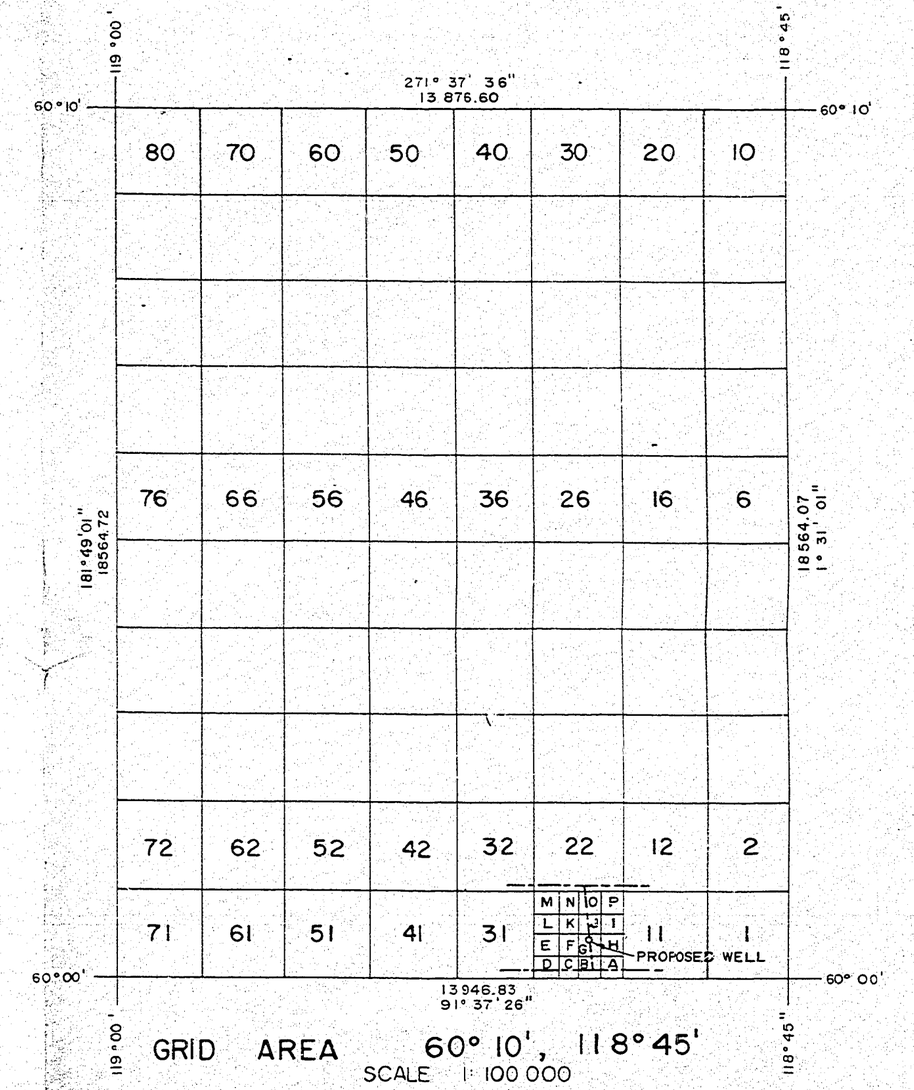
TRAVERSE STATIONS				
Sta. 16	60°00'08"216	118°49'21"247	6 652 859.10	398 352.96
Fd. I. Bt's	60°00'12"236	118°49'21"516	6 652 983.55	398 352.22
Sta. 8	60°01'01"322	118°49'24"714	6 654 503.06	398 344.55
PROPOSED WELL				
W/C G-21	60°00'27"906	118°49'22"609	6 653 468.66	398 348.66

COORDINATES ARE BASED ON PROVISIONAL VALUE FOR MONUMENT # 351



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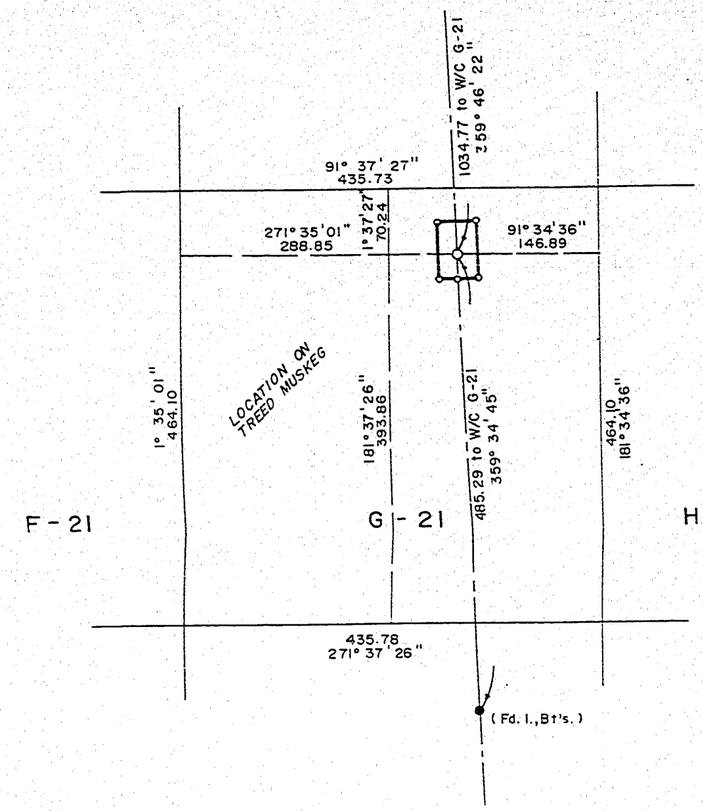
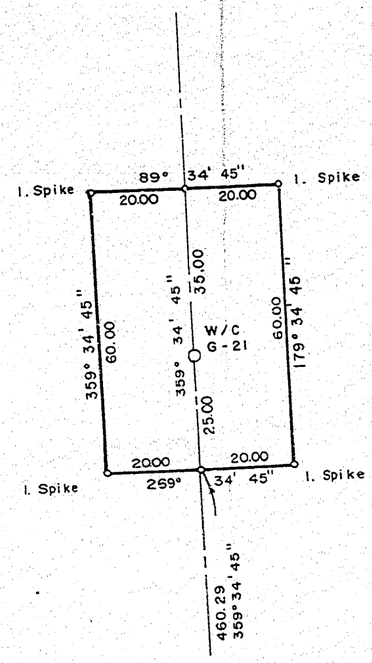
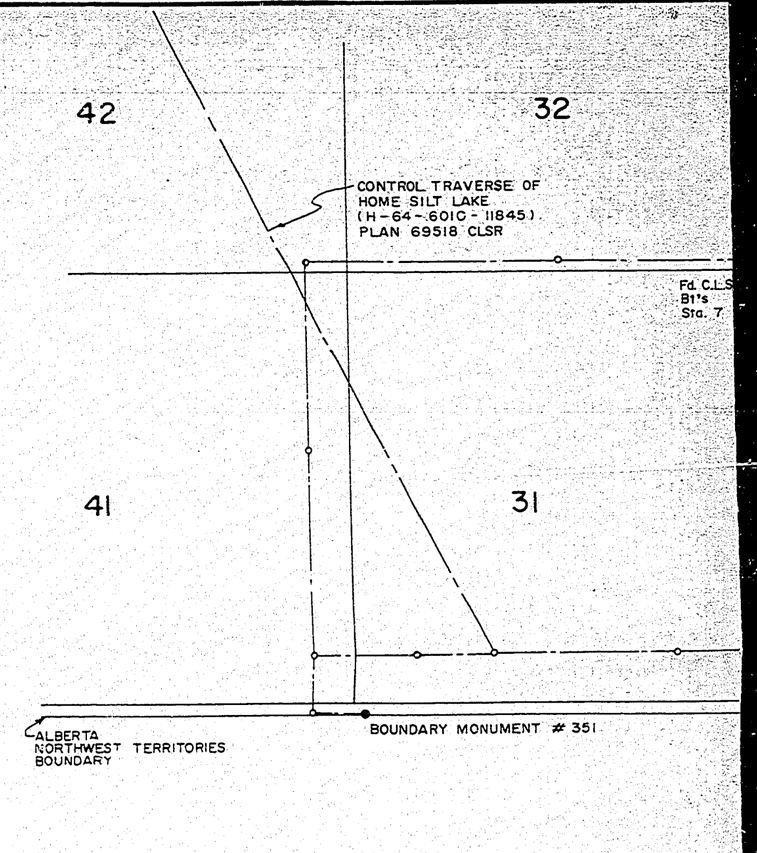


DETAIL A
UNIT G, SECTION 21
SCALE 1 : 5000



DETAIL B
SCALE 1 : 1000



ELEVATIONS :

WELL CENTRE	=	622.02
CORNERS : NE	=	622.29
NW	=	622.20
SE	=	621.68
SW	=	621.81

GEOGRAPHIC AND UTM COORDINATES (1927 NAD)

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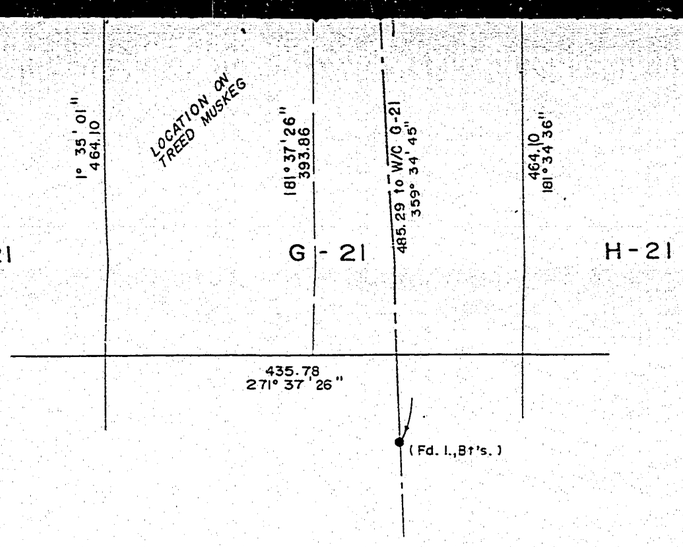

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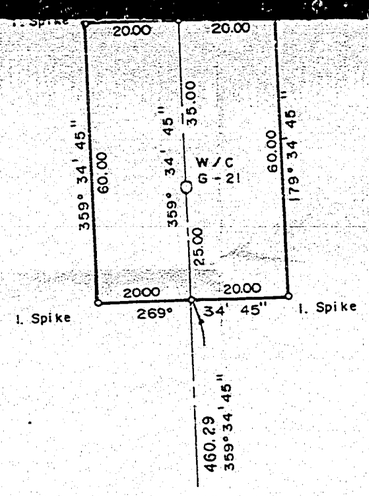

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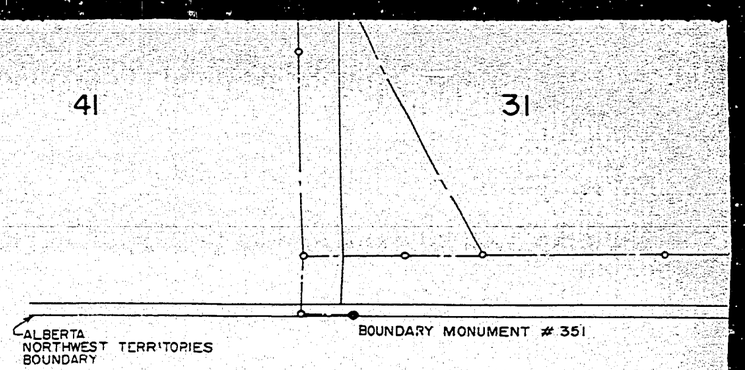
SCALE 1: 1000



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COORDINATES ARE BASED ON PROVISIONAL VALUE FOR MONUMENT # 351

Government of Canada / Gouvernement du Canada

MEMORANDUM **NOTE DE SERVICE**

AUG 23 1988

TO / À: Paul Simard
Supervising Liaison Engineer
COGLA
Ottawa, Ontario

FROM / DE: Manager, Northern Region
Engineering Branch
COGLA
Yellowknife, N.W.T.

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada
AUG 22 1988
To:
File #:

SECURITY - CLASSIFICATION - DE SÉCURITÉ:

OUR FILE — N / RÉFÉRENCE: D.A. 1303

YOUR FILE — V / RÉFÉRENCE: 9211-C54-1-1

DATE: 88-08-19

SUBJECT / OBJET: Coho Home Silt Lake South 2G-21
2G-21 60-10-118-45

The Final Well Report for the above well has been reviewed by this office and the following discrepancies were noted:

- The Unique Well Identifier (302G216010118450) should be entered in the report.
- The elevations do not correspond with the Well Termination Record. The Well Termination Record indicates: 625.31 m K.B., 624.31 m G.L. and the Final Well Report indicates: 625.02 m K.B., 623.02 m G.L.
- The total depth of 400 m is incorrect and should be corrected to 410 m K.B.
- The plugged back depth is not applicable as the correct plug back depths are shown on the plugs that were run.
- The type of casing used does not correspond with the information on the Final Well Report and the Well Termination Record. The Well Termination Record indicates a H-40 type casing, the Final Well Report indicates a J-55 type casing and the tour sheets show a K-55 type casing.
- There is not time distribution table in the report that should indicate the total hours for each type of operation.

Maurice D. Thomas

BK/jr

177

7540-21-798-8998

9211-C54-C-1

FINAL WELL REPORT

2G-21 WELL

CAMERON HILLS, N.W.T.
(June 23, 1988)

Prepared by
KERI CLARKE

COHO RESOURCES LIMITED

OTTAWA COPY

FINAL WELL REPORT
2G-21 Well

Summary

Coho Home Siltlake South 2G-21 was drilled to evaluate oil shows and log responses from 1-410m as encountered in the 1985 Home G-21 well. The 1985 G-21 well recorded oil show on the shaker screens from surface to 484m. Several sand zones with good SP responses and corresponding high resistivities were noted. Based on these results, a drilling program of up to 5 wells was undertaken just north of the Alberta-N.W.T. border.

A wireline coring rig capable of pulling core on wireline (eliminating the need to trip out of the hole to retrieve core) was contracted from SDS Drilling in Calgary. This wireline capability was considered an important point as the contract called for 150m of core to be cut.

It was hoped that the oil shows and resistive sands indicated from logs would prove to be saturated with heavy oil in a similar manner to the Athabasca Tar Sands or the heavy oil sands at Lloydminister. To evaluate the sands and the depositional evnironment, cores were cut beginning just above, through, and below the prospective zones as determined from Home G-21.

The type of drilling unit used was a Rotary Gardner Denver 1700 Rig #601-04

Locality Map

See attached map for reference

General Data

1) Well Name and Number:
Coho Home Silt Lake S. 2G-21
Grid Area: 60-10'-118-45'

2) Well Location:
See well location Survey Plan for details.
Coordinates: Latitude 60 00' 27.906" N
Longtitude 118 49' 22.609" W

3) Unique Well Indentifier:
Not applicable

4) Operator and Drilling Contractor:
Operator: Coho Resources Limited
3700, 700 - 2nd Street S.W.
Calgary, Alberta T2P 2W2

Contractor: SDS Drilling
4636 - 1st Street S.E.
Calgary, Alberta T2G 2L3

5) Drilling Unit:
Rotary Gardner Denver 1700

6) Position Keeping:
Not applicable

7) Support Craft:
Not applicable

8) Drilling Unit Performance:
Not applicable

9) Difficulties and Delays:
Not applicable

Summary of Drilling Operations

1) Elevations:
G.L. 623.02m K.B. 625.02m
(Difference 2.0m)

2) Total Depth: 400m
Plugged back: 410m

3) Date and Hour Spudded:
2100 hours, January 29, 1986

4) Date Drilling Completed:
February 9, 1986

5) Date of Rig Release:
February 11, 1986

6) Well Status:
Abandoned

7) Hole Sizes and Depths:
222mm down to 106m
159mm to 410m

8) Casing and Cementing Record:
17 joints of 177mm 25.3kg/m J55 ST & C loaded at 103.7m K.B.
Cement with 3.8 T of 0:1:0 Class G and 3% $CaCl_2$
P.D. 1325 hours February 1, 1986

9) Sidetracked Hole:
Not applicable

10) Drilling Fluid:
Gel Chemical System

11) Fishing Operations:
Not applicable

12) Well Kicks:
Not applicable

13) Formation Leak-Off Tests (FLOT):
Not applicable

14) Time Distribution:
See attached Drilling Reports for information

15) Deviation Survey:
Not applicable

16) Abandonment Plugs:
Plug #1 410-310m 2.6T of 0:1:0 Class
A cement P.D.1830 hours February 10, 1986
Plug #2 117-87m 2.0T of 0:1:0 Class A
Cement P.D. 2100 hours February 10, 1986
Plug #3 10m - surface 0.25T of 0:1:0
Class A cement P.D. 0400 hours
February 11, 1986

17) Composite Well Record:
Not applicable

Geology

Due to the nature of the operation being shallow and slim hole, a complete drill cutting and core exercise was not conducted. Samples of the drill cuttings were provided at the time of drilling, and a further set is available at Coho's office for further inspection if necessary.

1) Drill Cuttings & Cores: - See attached summary
Location of storage for any remaining
Cores - I.S.P.G., Calgary

2) Geological Summaries:
See attached summary

3) Lithology:
See attached summary

4) Stratigraphic Column:
Not applicable

Well Evaluation

1) Downhole Logs:

DIL	104.3 to 10.8m - January 31, 1986
CDL-CNS	104.3 to 9.2m - January 31, 1986
DIL/SP	407.8 to 103.7m - February 9, 1986
CDL-CNS-GR	407.8 to 103.7m - February 9, 1986
D1 Electric Log	406.3 to 103.7m - February 9, 1986

2) Other Logs:
As above

3) Velocity Surveys:
Not applicable

4) Formation Stimulation:
Not applicable

5) Formation and Production Testing:
No testing conducted

Environment Well Report
Not applicable

Appendicies to Well History Report
Se attached copies of documents for details

DRILL CUTTINGS & CORES

Samples of flowline cuttings were caught at 1 metre intervals while coring in case no core was recovered, and at 1 or 2 metre intervals when drilling zones of interest. The sample and core program is tabulated below:

Depth Interval (m)	Sample Interval (m)	Cored Interval (m)	Core Cut (m)	Core Recovered (m)
0- 30	5	-	-	-
30- 50	2	-	-	-
50- 60	5	59.5- 59.5	-	-
60-140	2	123.1-126.4	3.3	0.5
140-160	5	148.0-262.4	14.4	4.89
160-180	2	176.0-192.2	16.2	3.085
180-204	1	192.5-202.7	10.2	3.21
204-214	2			
214-320	5			
320-334	1	320.0-360.9	40.9	15.18
334-410	2			

TOTAL CUTTINGS SAMPLES CAUGHT AND LOGGED: 177

TOTAL CORE CUT: 85.0m

TOTAL CORE RECOVERED: 26.8m

CORE RECOVERY AS A PERCENTAGE OF CORE CUT: 31.5%

COHO HOME SILTLAKE S 2G-21
SAMPLE DESCRIPTIONS

DEPTH (m)	DESCRIPTION

The glacial deposits to 400m are virtually identical except for the varying composition of the lithic fragments themselves and the percentage of sand that occurs in some paleochannels. Since the composition of the lithic fragments varies only on a small (1-2m) scale and the composition of the fragments is only incidental to the search for oil, sample descriptions will be given only for gross intervals as opposed to each sample looked at.

0-131	TILLITE: dark grey, clay matrix, plastic when wet, sand varicoloured, quartzose, cherty, coarse to very coarse grained and occasionally granule sized, subrounded to round, poorly sorted (unsorted), unconsolidated, lithic fragments (lithoclasts) of granite, limestone, dolomite, shale, mafic igneous silicates and metamorphic rocks; schists maily, traces of limonitic shale and limestone. Lithoclasts range in size from medium sand grains to boulders. Limestone lithic fragments, orange-yellow mineral fluorescence, rare brown oil stain, bright yellow fluorescence, slow bleeding cut, common crushed cut. Description includes that taken from core at 123.1-126.4m
131-134	SAND; white, pink, yellow, quartzose, fine to medium grained, angular to subrounded, moderately sorted, friable to consolidated in part (lithic fragments (?)), clean, trace silica (?) and clay cement, several varieties interbedded.
134-136	No returns, cellophane lost circulation material with scattered sand grains.
136-161	TILLITE; dark grey clay matrix, plastic when wet, lithoclasts; quartzose sand grains, granite and granite-derived feldspar, chert, limestone, shale, mafic igneous silicates, dolomite, sandstone and pyrite silt to very fine grained sand and coarse to very coarse grained, subrounded to round poorly sorted (unsorted), unconsolidated, lacks any internal structure or stratification.
161-165	TILLITE; dark grey clay matrix with silt sand and cobble sized quartz grains or chert with lithic fragments dispersed throughout, quartz grains and granitic lithic fragments most

COHO HOME SILTLAKE S 2G-21
SAMPLE DESCRIPTIONS

DEPTH (m)	DESCRIPTION
161-165 cont'd	common with chert, limestone, mafics, shale, metamorphic sandstone, dolomite and pyrite as the other lithoclasts. This interval interpreted as a boulder or cobble horizon due to the low Rate of Penetration and excessive rig bounce while drilling this interval.
165-308	TILLITE: dark grey clay matrix, compact, water sensitive, becoming plastic when wet, lithoclasts of granite, chert, quartz sand grains, limestone, shale, mafics, metamorphics, with traces of dolomite, no stain, fluorescence or cut excepting the limestone erratics with bright yellow fluorescence, rare slow bleeding yellow cut or occasional crushed yellow cut.
308-400	TILLITE: dark grey clay matrix with lenses of clean, varicoloured medium to coarse and very coarse grained quartzose sand, round, moderately sorted, unconsolidated, no stain, fluorescence or cut, probably water-wet with interpreted porosities of 30% or greater.
400-410	SHALE; grey to black, fine texture, subfissile to mainly fissile, firm. Cretaceous in age.

FORMATION TOPS

KB 625.02m

FORMATION	SAMPLE		LOG	
	DEPTH (m)	SUBSEA (m)	DEPTH (m)	SUBSEA (m)
Pleistocene	0	0	-	-
Cretaceous	400	+225	398.5	226.5m

COHO HOME SILTLAKE S 2G-21

CORE RECOVERY

RIG #4

Run	Interval	Cut (m)	Time	Recovery (m)	Remarks
CORE #1					
1					Attempted core @ 59.5m, hole bridged off @ 5m, POOH
CORE #2					
2	123.1-124.1	1.0	3.5	0.5	TILLITE: clay, dk gy, hd,
3	124.1-125.9	1.8	3.0	0.0	slt-sd, lithic fragments.
4	125.9-126.4	0.5	3.5	0.0	Pull bit & inspect, rec. 0.5m/ 3/3m cut
CORE #3					
5	148.0-150.5	2.5	7	0.24	TILLITE: most sample lost due
6	150.5-153.5	3.0	5	0.30	to rocks jamming off in barrel
7	153.5-155.0	1.5	5	0.85	recoveries of tillite with
8	155.0-156.4	1.4	3.5	0.26	Lithic fragment, silt, sand
9	156.4-159.4	3.0	9.	1.83	and rocks
10	159.4-162.4	3.0	15	1.41	Recovered 4.89/14.4 cut
CORE #4					
11	176.0-178.8	2.8	17	0.00	
12	178.8-180.8	2.0	4	0.00	
13	180.8-182.8	3.0	3	0.00	1 rock
14	183.8-185.3	1.5	1.5	0.00	Some sand in bbl.
15	185.3-186.9	1.6	5	0.185	TILLITE
16	186.9-189.9	3.0	10	0.38	TILLITE
17	189.9-191.4	1.5	7	1.70	TILLITE
18	191.4-192.2 Drill 0.3m	0.8	4.5	0.82	TILLITE, rec. 3.085/16.2 cut
CORE #5					
19	192.5-194.5	2.0	6	1.01	Sand (no fluor) gravel/clay
20	194.5-196.5	2.0	16	0.30	TILLITE
21	196.5-199.1	2.6	90	0.55	TILLITE
22	199.1-201.1	2.0	30	1.20	TILLITE
23	201.1-202.7	1.6	35	0.15	TILLITE, rec. 3.21/10.2 cut

Run	Interval	Cut (m)	Time	Recovery (m)	Remarks
CORE #6					
24	320.0-321.1	1.1	3	0.18	TILLITE: clay, gy, gran lithic
25	321.1-323.1	2.0	8	1.5	fragments
26	323.1-325.1	2.0	12	0.0	As above
27	325.1-326.1	1.0	5	3.0	As above
28	326.1-327.2	1.1	9	0.85	As above
29	327.2-330.2	3.0	10	2.80	As above
30	330.2-333.2	3.1	9	0.75	As above
31	333.2-333.5	0.3	1	0.0	
32	333.5-335.5	2.0	3	0.25	As above
33	335.5-337.5	2.0	2	0.10	As above
34	337.5-339.4	1.9	2	0.0	
35	339.4-342.4	3.0	11	1.1	As above
36	342.4-344.6	2.2	10	0.60	As above
37	344.6-345.5	0.9	18	0.85	As above
38	345.5-348.5	3.0	5	1.8	As above
39	348.5-350.5	2.0	11	0.8	As above
40	350.5-351.6	1.1	40	0.15	As above
41	351.6-353.6	2.0	9	0.0	
42	353.6-354.6	1.0	3	0.0	
43	354.6-355.6	1.0	3	0.05	Chert cobble + 4x3 cm gran.
44	355.6-357.7	2.1	65	0.0	rocks
45	357.7-360.7	3.0	9	0.4	9 cobble sized ign. rocks
46	360.7-360.9	0.2	40	0.0	Rec. 15.18/40.9 cut

Total recovered - 26.87m

Total cut 85.0m

Recovered 32%

GEOLOGICAL SUMMARY

Coho Home Siltlake South 2G-21 penetrated glacial till (tillite) to a depth of 400m where Cretaceous grey shales were encountered. Drilling was completed at 400m.

The Tillite was composed of dark grey with quartzose silt, sand and pebble, cobble and boulder size lithic fragments scattered throughout in a random distribution. Water-wet unconsolidated fine grained quartzose sands occurred sporatically throughout the section, but no core was obtained from these intervals. Samples obtained while coring the sands indicate that lithic fragments may be found even in the sands. Porosities within the sands would appear to be in the 30% range due to their unconsolidated nature. It is unclear how much (if any) clay matrix remains in the sands as wireline logs indicate that the sands are not as clean as they appear in samples.

The Cretaceous shales are dark grey to black, finely textured, occasionally subfissile, but usually fissile, and firm.

The Pleistocene-Cretaceous contact may actually occur as shallow as 397m as that is the base of sand which may represent some form of a basal lag above the unconformity.

When drilling from 397 to 400 metres, the Rate of Penetration dropped dramatically to 40 minutes per metre at 398m, but this was interpreted as the bit drilling on boulders due to the noticeable rig bounce. At 400m, the Smith F2 buttom bit was pulled due to low Rate of Penetration and was found to be balled up with a very fine subwaxy clay which was almost mylonitic in texture. This was interpreted as glacial scour of the underlying Cretaceous shales.

Oil shows were noted from surface to 400m, derived from the medium brown oil stained limestone erratics. The limestone is buff to white, cryptocrystalline, dense and occasionally bioclastic in part. Light to medium brown oil stain is occasionally noted in samples (and nearly always when oil-bearing). Fluorescence is bright yellow to lime-yellow, commonly with a slow bleeding cut, rarely with instant streaming cut, commonly with a crushed cut. One single piece of tarry oil stained sand was noted at 128m, but no further samples were obtained until 136-138m, due to lost circulation.

GEOTECH
Core Services

COHO HOME SILT LAKE SOUTH 2G-21

LATITUDE 60-00-27

LONGITUDE 118-49-22

HEAVY OIL ANALYSIS REPORT

prepared for

COHO RESOURCES LTD.

File 86-GC-200

March 07, 1986

GEOTECHnical resources ltd.
4500 - 5th STREET N.E., CALGARY, ALBERTA T2E 7C3 (403) 230-4128
TELEX 03-825879

GEOTECH

COMPANY: COHO RESOURCES LTD.
WELL NAME: COHO HOME SILT LAKE SOUTH 26-21
LOCATION: LATITUDE 60-00-27
LONGITUDE 118-49-22

DATE: MAR 07, 1986
FILE: 86-GC-200

HEAVY OIL ANALYSIS REPORT

Sample Number	Depth (meters)	Thick	Mass Fraction Bitumen (%)	Mass Fraction H2O (%)	Saturation Bitumen (%)	Saturation H2O (%)	Porosity (calculated) (%)	Overburden Porosity (%)	K (mD)	Grain Density (kg/mc)	Remarks
CORE # 6 320.00 m - 360.70 m											
RECOVERY/CUT : 36.69 m / 40.70 m											
	320.00-0.64	10.64									MUD
1	330.64-0.81	0.17	0.0	11.8	0.0	100.0	26.2	28.7	228	2645	P:
	330.81-3.20	2.39									MISSING CORE
	333.20-3.65	0.45									MUD
	333.65-5.50	1.85									MISSING CORE
2	335.50-5.65	0.15	0.0	15.8	0.0	100.0	33.2	33.5	225	2646	P:
3	335.65-5.88	0.23	0.0	15.0	0.0	100.0	31.9	31.8	128	2659	P:
	335.88-7.50	1.62									MISSING CORE
	337.50-0.70	23.20									MUD

60°10"

PLAN SHOWING
PROPOSED ACCESS ROADS AND WELLSITES
FOR
COHO RESOURCES LIMITED
IN WEST CAMERON HILLS BLOCK

ROAD WIDTH 8 m.
ROAD LENGTH 9.4km
AREA REQ'D. 7.52 ha.

WELLSITE 60 x 40 m
AREA REQ'D. 1.20 ha

SCALE 1: 50 000

1 0 1 2 MILES
1 0 1 2 3 km

2100

2000

118°45'

Silt Lake

Seismic Line

Seismic Line

Seismic Line

Seismic Line

42

32

22

12

2

15m. Access Road

15m. Access Road

Proposed

Proposed

SCALE 1:50 000

1 0 1 2 3 km

2100

2000

118°45'

Silt Lake

Seismic Line

Seismic Line

Seismic Line

42 32 22 12 2

15m. Access Road

15m. Access Road

Seismic Line

Proposed O-31

Proposed G-21

Proposed O-11

41 31 21 11 1

Proposed B-31

Exist. Home G-21

Proposed B-11

Seismic Line

60°00'

N.W.T.

ALBERTA

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr/Mo/Day)
COHO HOMESILT LAKE SOUTH	2G-21	2G-21		86/1/29

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRILLING LTD.	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.
114.3 – 17.25		127	CHRIS	1
140 –		147.6	CHRIS	2

PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	GARDNER DENVER	FD-FXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places. mud density = kilogram per cubic metre (kg/m³); pump-stroke length = millimetre (mm); weight of string = decanewton (daN); weight on bit: indicator will record decanewton; linear mass = kilogram per metre (kg/m); viscosity = second per litre (s/L); flow rate = cubic metre per minute (m³/min); pressure gradient = kilopascal per metre (kPa/m); yield point = pascal (Pa); plastic viscosity = millipascal second (mPa·s); gel strength = pascal (Pa); work completed by wire line = megajoule (MJ); inside diameter and outside diameter = millimetre (mm); pump pressure = kilopascal (kPa)

TIME DISTRIBUTION - HOURS

20.80

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN	12	
2	DRILL ACTUAL		
3	REAMING		
4	CORING		
5	CONDITION MUD & CIRCULATE		
6	TRIPS		
7	LUBRICATE RIG		
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21			
22			
23			
COMPLETION A	PERF'R'TN		
B	TBG TRIPS		
C	TREATING		
D	SWABBING		
E	TESTING		
F	ACIDIZE		
	TOTALS		

DAY WORK TIME SUMMARY (OFFICE USE ONLY): HRS. W/CONTR. D.P.; HRS. W/OPR. D.P.; HRS. W/O/DP; HRS. STANDBY; TOTAL DAY WORK

No. OF DAYS FROM SPUD; CUMULATIVE ROTATING HRS.; TOTAL MUD COST

FIRST TOUR

DRILLING ASSEMBLY / BIT RECORD / MUD RECORD: (no entries)

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0:800	20:00	12	1	MOVE Equipment TO DRILL Site SET up SET MUDTANK + CONDUCTOR PIPE - START LIGHT PLANT - START BOILER - LAY STEAM LINES

SECOND TOUR

No.	DRILLING ASSEMBLY (at end of tour)	
1	BIT	.15 m
	STB RMR OD	m
1	D.C. 10/69 mm OD	5.05 m
	STB RMR OD	m
	D.C. ID OD	m
	STB RMR OD	m
	STANDS DP	m
3	SINGLES DP	18.30 m
	KELLY DOWN	4.50 m
	TOTAL	28.00 m
	FORCED WT. OF STRING	daN

BIT RECORD	
BIT No.	1A
SIZE	251
MFG.	VAREL
TYPE	L3S
JETS mm	12.7
SER. No.	53538
DEPTH OUT	IN
DEPTH IN	0
TOTAL METRES DRILLED	Run
TOTAL HRS. RUN	4 1/2
COND. T/B/GAGE	
FLOW RATE m³/min	
PRESSURE DROP kPa	

MUD RECORD		
TIME	24:00	4:00
DENSITY kg/m³		
PRESSURE GRADIENT		
VISCOSITY	40	31
PV mPa·s / YP Pa	/	/
GEL STR. Pa	/	/
WATER LOSS		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED TYPE	AMT. kg
GEL	9 SAX
CaCl2	1 SAX
CEMENT	2 SAX

REMARKS:

METRES DRILLED FROM	TO	ROTARY RPM	PUMP PRESS	PUMP No. 1 LINER SIZE	STROKES per min
0	28	60	150	140	38

DEVIATION RECORD: DEPTH / DEV. / DIRECTION (no entries)

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
20:00	2100	1	–	SET CONDUCTOR
21:00	2330	2 1/2	–	WAIT ON WATER
2330	0300	3 1/2	–	DRILL 0-23M
0300	0330	1/2		CLEAN PIT
0330	0430	1	–	DRILL 23-28M
0430	0700	2 1/2	–	LOST SEAL AROUND CONDUCTOR PIPE — DIG OUT - CEMENT
0700	0800	1	–	Rig SERVICE wait on CEMENT TO SET

BOILER HOURS

DRILLER

DRILLING CREW PAYROLL DATA

No.

DATE 86 1 29 (Year Month Day)

WELL NAME & No. 2G-21

COMPANY SDS DRLG

TOOL PUSHER DAN WEIZNER RIG No. 4

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.	
DRILLER		F. MARTELL	12	2
DERRICKMAN		S. BURNS	12	2
MOTORMAN		K NORISH	12	2
FLOORMAN		D COOK	15	–
FLOORMAN				
FLOORMAN				
LEASEMAN				
CRANE SUPT.				
MECHANIC				
WELDER				
ROUSTABOUT				
ROUSTABOUT				
TRAINEE				

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.	
DRILLER		F. HOWE	12	2
DERRICKMAN		G YEO	12	2
MOTORMAN		G KOSHMAN	12	2
FLOORMAN				
FLOORMAN				
FLOORMAN				
LEASEMAN				
CRANE SUPT.				
MECHANIC				
WELDER				
ROUSTABOUT				
ROUSTABOUT				
TRAINEE				

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING CAODC APPROVED COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
COHO HOME SITE LAKE SAND	26-21	26-21		86 1 30

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRLG	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25								
140	30.88		147.6	CDP	2	1	GARDNER DENVER	FD FXD	254

LEGEND

Metric equivalents: All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³)
pump stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)
flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa•s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

DRAFT LAND DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL No.

SIZE	No. LINES	METRES SLIPPED
METRES CUT OFF	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

DRILLING CREW PAYROLL DATA — No.

DATE (Year Month Day): 86 1 30
WELL NAME & No.: 26-21
COMPANY: SDS DRLG
TOOL PUSHER: DAN WALDNER — RIG No. 4

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL	6 3/4	4 3/4
3	REAMING		2 1/4
4	CORING		
5	CONDITION MUD & CIRCULATE	1 1/4	2 1/4
6	TRIPS	1 1/2	1 3/4
7	LUBRICATE RIG		
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21	LOWER FLOW LINE	2 1/2	
22			
23			
	COMPLETION A. PERF'TN		
	B. TRG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDITNL		
	G.		
	TOTALS	12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. O.P.
HRS. W/OPR. O.P.
HRS. W/OP
HRS. STANDBY
TOTAL DAY WORK
No. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (all used off tour)

No.				
1	BIT		15	=
	STB	OD		=
1	D.C. 6 1/8	OD	505	=
	STB	OD		=
	D.C. ID	OD		=
	STB	OD		=
	STANDS D.P.			=
	SINGLES DP			=
	KELLY DOWN			=
	TOTAL			=
	(FORCE) WT. OF STRING			daN

REMARKS

BIT RECORD

BIT No.	C-1	~~1~~	2-A
SIZE	140 mm	222 mm	
MFG.	CRISTENSEN	VAREL	
TYPE	TC	L35	
JETS mm	OPEN	12 7	
SER. No.	C-35	12851	
DEPTH OUT		TN	
DEPTH IN		60	
TOTAL METRES DRILLED		Run	
TOTAL HRS. RUN		4 3/4	
COND. 1/8"s T/B/GAGE			
FLOW RATE m³/min			
PRESSURE DROP kPa			
(FORCED) WT. ON BIT daN			

MUD RECORD

TIME	2400	0400	
DENSITY kg/m³	11.10	10.90	
PRESSURE GRADIENT			
VISCOSITY	41	45	
PV mPa•s / YP Pa	/	/	/
GEL STR. Pa	/	/	/
WATER LOSS cm³			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
GEL	8	SKS	
GEL	4	SKS	

DRILLER

METRES DRILLED

FROM	TO	DR...D DIA-S CORE...C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCE WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKE mm/min	PUMP No. LINER SIZE	PUMP No. STROKE mm/min	METHOD RUN SLKS PARTIAL CORE
28	60				60		150	140	40			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1030	2 1/2	21	SEAL OFF conductor pipe. dump pit Lower Flowline
1030	1100	1/2	5	Fill pit mix mud - 3 SKs GEL
1100	1130	5 1/2	2	DRILL From 28m 53m (LEDGES BOLDERS)
1630	1715	3/4	5	clean pit mix mud 2 SKs GEL
1715	1830	1 1/4	2	DRILL From 53m To 60m
1830	2000	1 1/2	6	Trip out to check BIT (Slow drilling) break down collar

BOILER HOURS

FIRST TOUR

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORISH	12
FLOORMAN		D. COOK	13 1/2
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS | SINCE LAST LOST TIME ACCIDENT

METRES DRILLED

FROM	TO	DR...D DIA-S CORE...C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCE WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKE mm/min	PUMP No. LINER SIZE	PUMP No. STROKE mm/min	METHOD RUN SLKS PARTIAL CORE
~~28~~												
60	102				60	80	80	140				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000				Get ready For coring
	2100	1	5	Clean out mud pit + Rig To CORE
2100	2130	1/2	6	START To RUN IN - HOLE BRIDGED @ 5M 4 SKs GEL
2130	2200	1/2	6	PULL OUT - PREPARE To CLEAN OUT - DECIDE To RESUME REAM.
2200	2245	2 3/4	6	LAY DOWN - CLEAN UP CORING EQUIP - PICK UP DRILCOLLAR
2245	0200	3 1/4	3	RUN IN Reaming To Bottom
0200	0245	2 3/4	5	Clean pit mix mud 4 SKs GEL
0245	0700	4 1/4	2	DRILL From 60 to 96 m
0700	0730	1/2	5	Dump mud Pit mix 4 SKs mud
0730	noon	1/2	2	DRILL 96 m To 102 m

BOILER HOURS

SECOND TOUR

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		E. HOWE	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. KOSHMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS | SINCE LAST LOST TIME ACCIDENT

FIRST TOUR 00:00 TO 12:00

SECOND TOUR 12:00 TO 24:00

Form 27m

APPROVAL PENDING

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OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING

APPROVED CAODC COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT — REPORT No.

LEASE: COHO HOME SILT LAKE SOUTH — WELL No.: 2G-21
WELL NUMBER: 2G-21 — WATER DEPTH — DATE: 86 / 1 / 31 (Yr. Mo. Day)
OPERATOR: [signature] — CONTRACTOR: SDS DRILLING LTD. — RIG No.: 4
SIGNATURE OF OPERATOR'S REPRESENTATIVE — SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		137	CHR	1				
140	20.8		1476	CHR	2	1	GARD DENVER	FD PXD	254

LEGEND — Metric Impressions:
All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)
flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa·s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

LITHOLOGY DESCRIPTION

LAST CASING TUBING OR LINER	INTRNL DIAMETER	INSIDE DIAMETER	GRADE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RCRL TO CSG. HD.	MT AT

WIRE LINE RECORD — Rabb. No.

SIZE	No. LINES	METRES SLIPPED
METRES CUT OFF	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

DRILLING CREW PAYROLL DATA — No.
DATE: 86 / 1 / 31 (Year Month Day)
WELL NAME & No.: 2G-21
COMPANY: SDS DRLG
TOOL PUSHER: DAN WALDNER — RIG No.

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL	1/2	
3	REAMING	3 1/2	
4	CORING		
5	CONDITION MUD & CIRCULATE	2 1/4	1
6	TRIPS	4 1/4	1/2
7	LUBRICATE RIG		
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS	1/2	3 1/2
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21			
22			
23			
COMPLETION	A. PERF'TN		
	B. TRG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDIT'L		
	G.		
TOTALS		12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)
HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. W/O D.P.
HRS. STANDBY
TOTAL DAY WORK
No. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (as end of tour)

No.				
	BIT		.15	=
	STB above	OD		=
1	D.C.	OD		=
	STB above	OD		=
1	D.C. 6 1/8	OD	505	=
	STB above	OD		=
	STANDS D.P.			=
1	SINGLES DP		97.50	=
	KELLY DOWN		3m	=
	TOTAL		106	=
	FORCED WT. OF STRING		2814 daN	

REMARKS

DRILLER

BIT RECORD

BIT No.	2A
SIZE	222
MFG.	HOFI
TYPE	J35
JETS mm	12.7
SER. No.	128511
DEPTH OUT	106
DEPTH IN	60
TOTAL METRES DRILLED	46
TOTAL HRS. RUN	5
COND. 1/8" T/B/GAGE	/ /
FLOW RATE m³/min	GEL 8 SKS
PRESSURE DROP kPa	

MUD RECORD

TIME	1000	1200
DENSITY kg/m³		
PRESSURE GRADIENT		
VISCOSITY	44	71
PV mPa·s	/	/
YP Pa	/	/
GEL STR. Pa	/	/
WATER LOSS cm³		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg

FIRST TOUR

METRES DRILLED

FROM	TO	DR'D RM'R CORE'D	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCE ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SGL-S PAR'L-P COMP'D-C
102	106				80		1080	140	40			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2	2	DRILL From 102 - 106m
0830	0900	1/2	5	circulate on bottom
0900	1000	1	6	Trip back To 60m work pipe
1000	1100	1	3	Ream To bottom
1100	1200	1	5	condition mud circulate & mix 5SKS mud
1200	1400	2	6	Trip out To ~~Surface~~ hog hole
1400	1530	1 1/2	11	Rig up ~~Logg~~ Tools Try To Log bridge @ 45m
1530				REAM out From 6m run to 106m
	1800	2 1/2	3	bridge at 6m to 10m Bolders
1800	1845	3/4	5	condition hole mix 3 SKS GEL
1845	2000	1 1/4	6	Trip out

BOILER HOURS

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		E. MARTELL	12
DERRICKMAN		C. KHORISH	12
MOTORMAN		S. BURNS	12
FLOORMAN		D. COOK	12 1/2
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

SECOND TOUR

DRILLING ASSEMBLY (as end of tour)

No.				
	BIT			=
	STB above	OD		=
	D.C. 6	OD		=
	STB above	OD		=
	D.C. 6	OD		=
	STB above	OD		=
	STANDS D.P.			=
	SINGLES DP			=
	KELLY DOWN			=
	TOTAL			=
	FORCED WT. OF STRING			daN

REMARKS

DRILLER

BIT RECORD

BIT No.	
SIZE	
MFG.	
TYPE	
JETS mm	
SER. No.	
DEPTH OUT	
DEPTH IN	
TOTAL METRES DRILLED	
TOTAL HRS. RUN	
COND. 1/8" T/B/GAGE	
FLOW RATE m³/min	
PRESSURE DROP kPa	

MUD RECORD

TIME		
DENSITY kg/m³		
PRESSURE GRADIENT		
VISCOSITY		
PV mPa·s	/	/
YP Pa	/	/
GEL STR. Pa	/	/
WATER LOSS cm³		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg

SECOND TOUR

METRES DRILLED

FROM	TO	DR'D RM'R CORE'D	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCE ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SGL-S PAR'L-P COMP'D-C
				Lock Run DIL/ROK CNS-GR-Cal								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2030	1/2	6	TRIP OUT
2030	2100	1/2	11	Rig to LOG
2100	2330	2 1/2	11	LOG Hole
2330	2400	1/2	11	Rig DOWN Logging Tools
0000	0100	1	5	Trip out to [illegible] clean out mud Pump + mud
0100	0130	1/2	12	backer lock casing shoe & make up
0130			12	Run casing had to push with Top drive
	0800	6 1/2		due to bolders in SURFACE 5-10m
				circulate casing

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. HOWE	12
DERRICKMAN		C. KOSHMAN	12
MOTORMAN		G. YEO	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 2758

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OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING — CAODC APPROVED COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT — REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
CAHO HOME Silt LAKE South	26-21	26-21		86 2 1

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURE	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	ED EXD	254

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL		23
3	REAMING		
4	CORING		
5	CONDITION MUD & CIRCULATE		3½
6	TRIPS		1
7	LUBRICATE RIG		
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT	5½	
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.	6½	2
15	TEST B.O.P.		5½
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21			
22			
23			
COMPLETION	A. PERFR'TN		
	B. TSG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDITN'L		
	G.		
TOTALS		12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. W/O D.P.
HRS. STANDBY
TOTAL DAY WORK
No. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY (List end of tour)

No.				
	BIT			=
	STB Make	OD		=
	D.C. ID	OD		=
	STB Make	OD		=
	D.C. ID	OD		=
	STB Make	OD		=
	STANDS D.P.			=
	SINGLES	DP		=
	KELLY DOWN			=
	TOTAL			=

FORCED WT. OF STRING

REMARKS

BIT RECORD

BIT No.	
SIZE	
MFG.	
TYPE	
JETS mm	
SER. No.	
DEPTH OUT	
DEPTH IN	
TOTAL METRES DRILLED	
TOTAL HRS. RUN	
COND. 1/8" T/B/GAGE	/ /
FLOW RATE	
PRESSURE DROP kPa	

MUD RECORD

TIME	
DENSITY kg/m³	
PRESSURE GRADIENT	
VISCOSITY	
PV YP	/ /
GEL STR. Pa	/ /
WATER LOSS	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
Cement	96 SKS		
Salt Gel			
Chloride	200 lbs		

FIRST TOUR

DRILLER

DRILLING ASSEMBLY (List end of tour)

No.				
1	BIT, SUB	35		=
	STB Make	OD		=
	D.C. ID	OD		=
	STB Make	OD		=
	D.C. ID	OD		=
	STB Make	OD		=
20	STANDS D.P.	1927	1276	=
90	SINGLES	DP		=
	KELLY DOWN			=
	TOTAL			=

FORCED WT. OF STRING

REMARKS

BIT RECORD

BIT No.	1
SIZE	159
MFG.	VAREL
TYPE	L3S
JETS mm	12.7
SER. No.	8883
DEPTH OUT	Running
DEPTH IN	106
TOTAL METRES DRILLED	2314
TOTAL HRS. RUN	
COND. 1/8" T/B/GAGE	/ /
FLOW RATE	
PRESSURE DROP kPa	

MUD RECORD

TIME	
DENSITY kg/m³	
PRESSURE GRADIENT	
VISCOSITY	
PV YP	/ /
GEL STR. Pa	/ /
WATER LOSS	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
KCL	27 SKS		

SECOND TOUR

DRILLER

LEGEND

Metric expressions:

All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit = kilonewton well record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)

flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa·s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

DRILL AND LAND DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
	177.8	166.47	Stelco	34.23	K-55	18	103.75	1.90	103.90

WIRE LINE RECORD (REEL No.)

SIZE	No. LINES	METRES SUPPED

METRES OUT OFF — PRESENT LENGTH

MEGAJOULES SINCE LAST CUT

CUMULATIVE MEGAJOULES

DRILLING CREW PAYROLL DATA

No. 4

DATE 86 2 1 (Year Month Day)
WELL NAME & No. 26-21
COMPANY SDS DRILLING
TOOL PUSHER DAN WALDNER — RIG No. 4

METRES DRILLED

FROM	TO	DR'LD INCL. CORE	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCED WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SCL-S PARTIAL CORE-C
RAW	11			1 Standing Cement Plug 2530								
11	106	95		1 Surface Casing 103.70 m Set @ 106 m								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
106	7½							

BOILER HOURS

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1130	3½	12	Circulate & run casing To 103.70 m 1330
1130	1230	2	12	mix Cement IN mud Pit & cement Plug Down
1330	2000	6½	14	wait For cement To SET Nipple up BoP

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNIS	12
MOTORMAN		K. WORISH	12
FLOORMAN		D. COOK	12
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

METRES DRILLED

FROM	TO	DR'LD INCL. CORE	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCED WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SCL-S PARTIAL CORE-C
106	124			1 Surface Casing 103.70 (Class "A")	140	2000		140	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

BOILER HOURS

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2200	2	14	NIPPLE UP BOP
2200	2300	1	6	Trip in To drill out casing shoe
2300			15	Test BOP changed 1 valve & changed
				seal on VALVE For 3" FLARE line
				Test BOP did not hold around casing bowl
	0430	5½		Tighten casing bowl change 3" VALVE
0430	0500	½	2	DRILL out casing shoe
0500	0515	¼	2	DRILL From 105m 111m
0515	0600	¾	5	mix 27 SACKS KCl
0600	0800	2	2	Drill From 111m - 124m
00				

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. HOWE	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. KOSTMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

FORM 27bm

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OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING — APPROVED CAODC COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
HOME COHO SALT LAKE SOUTH	2G-21	2G-21		86 2 2

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD.	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FDFXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places. mud density = kilogram per cubic metre (kg/m³); pump-stroke length = millimetre (mm); weight of string = decanewton (daN); weight on bit: indicator will record decanewton; linear mass = kilogram per metre (kg/m); viscosity = second per litre (s/L); flow rate = cubic metre per minute (m³/min); pressure gradient = kilopascal per metre (kPa/m); yield point = pascal (Pa); plastic viscosity = millipascal second (mPa·s); gel strength = pascal (Pa); work completed by wire line = megajoule (MJ); inside diameter and outside diameter = millimetre (mm); pump pressure = kilopascal (kPa)

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT
	117.8	161.07	CAPE	25.3	K55	18	103.75	1.9	103.7

WIRE LINE RECORD — REEL No. / SIZE / No. LINES / METRES SLIPPED / METRES CUT OFF / PRESENT LENGTH / MEGAJOULES SINCE LAST CUT / CUMULATIVE MEGAJOULES

TIME DISTRIBUTION - HOURS

CODE No. OPERATION	FIRST TOUR	SECOND TOUR
1. RIG UP AND TEAR DOWN		
2. DRILL ACTUAL	3	8
3. REAMING	-	
4. CORING	2	
5. CONDITION MUD & CIRCULATE	1 3/4	1 3/4
6. TRIPS	5 1/4	2 1/4
7. LUBRICATE RIG		
8. REPAIR RIG		
9. CUT OFF DRILLING LINE		
10. DEVIATION SURVEY		
11. WIRE LINE LOGS		
12. RUN CASING & CEMENT		
13. WAIT ON CEMENT		
14. NIPPLE UP B.O.P.		
15. TEST B.O.P.		
16. DRILL STEM TEST		
17. PLUG BACK		
18. SQUEEZE CEMENT		
19. FISHING		
20. DIR. WORK		
21. wait on water 1/2		
22.		
23.		
COMPLETION A. PERF'TN		
B. TBG TRIPS		
C. TREATING		
D. SWABBING		
E. TESTING		
F. ADDIT'NL		
G.		
TOTALS	12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY): HRS. W/CONTR. D.P. / HRS. W/OPR. D.P. / HRS. W/O/DP / HRS. STANDBY / TOTAL DAY WORK / No. OF DAYS FROM SPUD / CUMULATIVE ROTATING HRS. / TOTAL MUD COST

FIRST TOUR

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD			MUD RECORD		
1	BIT + SUB	.35	BIT No.	1	2C	TIME		1100
			SIZE	159	140	DENSITY kg/m³		1010
	STB REAM OD		MFG.	VAREL	Christensen	PRESSURE GRADIENT		
	D.C. ID OD		TYPE	L35	S4	VISCOSITY		32
	STB REAM OD		JETS mm	12.7	OPEN	PV mPa·s / YP Pa	/	/
	D.C. ID OD		SER. No.	8883	10161	GEL STR. Pa	/	/
	STB REAM OD		DEPTH OUT	123	126	WATER LOSS cm³		
			DEPTH IN	105	123	pH		
			TOTAL METRES DRILLED	18	3	SOLIDS %		
			TOTAL HRS. RUN	2 3/4	2			
21	STANDS D.P.	128.10	COND. T/B/GAGE	3 2 I				
	SINGLES D.P.		FLOW RATE m³/min	/	/			
	KELLY DOWN	4.10	PRESSURE DROP kPa					
	TOTAL	132.[illegible]		-				
	(FORCE) WT. OF STRING	2152 daN						

MUD & CHEMICALS ADDED: 3 SKS brand; 7 SK. KCL

REMARKS:

DRILLER

Metres Drilled / Formation

FROM	TO	DR. D REAM CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	LINER SIZE	STROKES per min
123.1	126.4	C			60	6600	700	140	42
126.4	132	D							

DEVIATION RECORD: CORE #2 123.1 to 125.9 RECOVERY [illegible] (annotation above: [illegible] - NO RECOVERY)

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	6	TRIP OUT - RIG CORE BARREL - TRIP IN
1100	1130	1/2	5	MIX 17 SACKS KCL 2 CUPS VIS
1130	1330	2	4	CORE From 123.1 - 126.4 m Clay Till Gravel
1330	1530	2	6	Trip out CORE BARREL Run in with 159 milltooth
1530	1830	3	2	DRILL From 126.4 - 132.5 lost circulation
1830	1900	1/2	21	wait on water lost circulation wait on water
1900	1945	3/4	5	mix 3 SKS brand work pipe regain circulation
1945	2000	1/4	6	Trip out To check bit

SECOND TOUR

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD			MUD RECORD		
1	BIT + SUB	.35	BIT No.	2	3	TIME	2030 / 2400	0400
			SIZE	159	159	DENSITY kg/m³	1050 / 1060	1090
	STB REAM OD		MFG.	VAREL	Smith	PRESSURE GRADIENT		
	D.C. ID OD		TYPE	L35	F2	VISCOSITY	29 / 32	37
	STB REAM OD		JETS mm	12.7	7.9	PV / YP	/ /	/
	D.C. ID OD		SER. No.	8964	9878	GEL STR. Pa	/ /	/
	STB REAM OD		DEPTH OUT	136	149	WATER LOSS cm³		
			DEPTH IN	126	132	pH	-	
			TOTAL METRES DRILLED	6		SOLIDS %		
			TOTAL HRS. RUN	3	8			
24	STANDS D.P.	146.45	COND. T/B/GAGE	3 4 I				
	SINGLES D.P.		FLOW RATE m³/min	/	/			
	KELLY DOWN	1.25	PRESSURE DROP kPa					
	TOTAL	148.00						
	(FORCE) WT. OF STRING	2250 daN						

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE
KCL	35	SKs
Saw Dust	2	SKs
Gel [illegible]	2	SKs
Drilling [illegible]	1	pail

REMARKS: From 132.5 chirt & gravel Kept Caving had to work till hole stayed open to 140 m

DRILLER

Metres Drilled / Formation

FROM	TO	DR. D REAM CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	LINER SIZE	STROKES per min
132	148				60	2600	1750	140	42

DEVIATION RECORD:

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2030	1/2	6	Trip out To check bit
2030	2130	1	6	MAKE up button bit & Trip To bottom
2130	0530	8	2	DRILL From 132 (ADD 2 cups VIS) to 148 m
0530	0700	1 1/2	5	Clean Mud Tank & Mix 27 KCL
07:00	0715	1/4	5	CIRC Hole clean
0715	0800	3/4	6	TRIP For CORE BBL

DRILLING CREW PAYROLL DATA

No.

DATE 86 2 2

WELL NAME & No. 2G-21

COMPANY SDS DRILLING LTD

TOOL PUSHER DAN WALDNER RIG No. 4

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORISH	12
FLOORMAN		D. COOK	12

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. HOWE	12
DERRICKMAN		C. Koshman	12
MOTORMAN		G. YEO	12

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
Coho Home silt Lake South	26-21	26-21		86 2 3

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[signature]	[signature] Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FD FXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places.

- mud density = kilogram per cubic metre (kg/m³)
- pump-stroke length = millimetre (mm)
- weight of string = decanewton (daN)
- weight on bit: indicator will record decanewton
- linear mass = kilogram per metre (kg/m)
- viscosity = second per litre (s/L)
- flow rate = cubic metre per minute (m³/min)
- pressure gradient = kilopascal per metre (kPa/m)
- yield point = pascal (Pa)
- plastic viscosity = millipascal second (mPa·s)
- gel strength = pascal (Pa)
- work completed by wire line = megajoule (MJ)
- inside diameter and outside diameter = millimetre (mm)
- pump pressure = kilopascal (kPa)

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT
	177.8	166.07	CAPE	25.3	K55	18	103.75	1.9	103.7

WIRE LINE RECORD	REEL No.
SIZE	
No. LINES	
METRES SLIPPED	
METRES CUT OFF	
PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT	
CUMULATIVE MEGAJOULES	

TIME DISTRIBUTION - HOURS

CODE No. OPERATION	FIRST TOUR	SECOND TOUR
1. RIG UP AND TEAR DOWN		
2. DRILL ACTUAL		4 1/2
3. REAMING	1	4
4. CORING	4	
5. CONDITION MUD & CIRCULATE	3	4
6. TRIPS	6	2 1/2
7. LUBRICATE RIG		
8. REPAIR RIG		
9. CUT OFF DRILLING LINE		
10. DEVIATION SURVEY		
11. WIRE LINE LOGS		
12. RUN CASING & CEMENT		
13. WAIT ON CEMENT		
14. NIPPLE UP B.O.P.		
15. TEST B.O.P.		
16. DRILL STEM TEST		
17. PLUG BACK		
18. SQUEEZE CEMENT		
19. FISHING		
20. DIR. WORK		
21. Safty meeting	1/2	
22. Bord insped	1/2	
23.		
COMPLETION A. PERFORATING		
B. TBG TRIPS		
C. TREATING		
D. SWABBING		
E. TESTING		
F. ADDIT'NL		
G.		
TOTALS	12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/DP	
HRS. STANDBY	
TOTAL DAY WORK	
No. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

FIRST TOUR

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD			MUD RECORD			
	BIT Core bowl	3.90 m	BIT No.	4RR3	3C	TIME			
			SIZE	159	140	DENSITY kg/m³			
	STB RMR		MFG.	Smith	Christensen	PRESSURE GRADIENT			
	D.C. ID		TYPE	F2	94	VISCOSITY			
	STB RMR		JETS mm	7,9	OPEN	PV mPa·s / YP Pa	/	/	/
	D.C. ID		SER. No.	3878FD	10161	GEL STR. Pa	/	/	/
	STB RMR		DEPTH OUT	148	162.4	WATER LOSS cm³			
			DEPTH IN	132	148	pH			
			TOTAL METRES DRILLED	16	14.4	SOLIDS %			
			TOTAL HRS. RUN	8	5				
	STANDS D.P.	m	COND. I/T's T/B/GAGE	3 b dd		MUD & CHEMICALS ADDED: TYPE	AMT. kg	TYPE	AMT. kg
26	SINGLES DP	158.40	FLOW RATE m³/min	/	/	KCL	6 SKs		
	KELLY DOWN		PRESSURE DROP kPa			Kim	2 SKs		
	TOTAL	162.50				Palomar	2 cups		
	(FORCE) WT. OF STRING	3640 daN							

REMARKS

DRILLER

Metres Drilled / Formation

METRES DRILLED FROM	TO	DR..D RM..R CORE..C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
148	162.4	C	2	4.89	60	7088	1050	140	42			
148	162.4	R										
				Core #2 16.4 cut [illegible]								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0900	1	6	Trip out drill pipe To CORE
0900	0930	1/2	21	SAFty meeting Test snifter scott pack & BoP
0930	10.30	1	6	Trip In core barrel
1030	1300	2 1/2	4	CORE From 148m 162.4
1300	1330	1/2	22	Inspection by board BoP closing unit boiler etc
1330	1500	1 1/2	4	core hole sluffing From 132m at 162.4 Bolder
				had To Trip out To drill out
1500				Trip out CORE barrel Trip IN button bit
	1900	4	6	hole pulling Tight rotate out with Topdrive 24m
1900	2000	1	3	Ream From 148 - 162.4

BOILER HOURS

Drilling Crew Payroll Data

DATE 86 2 3 (Year Month Day)

WELL NAME & No. 26-21

COMPANY SDS DRILLING

TOOL PUSHER DAN WALDNER — RIG No. # 4

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		K. NORRISH	12
MOTORMAN		S. BURNS	12
FLOORMAN		D. COOK	12
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

SECOND TOUR

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD			MUD RECORD			
1	BIT Core barrel	3.90 m	BIT No.	4RR3	4C	TIME	2000	2400	0270
			SIZE	159	140	DENSITY kg/m³	1110	1060	1050
	STB RMR		MFG.	Smith	Christensen	PRESSURE GRADIENT			
	D.C. ID		TYPE	F2	94	VISCOSITY	35	40	38
	STB RMR		JETS mm	7,9	OPEN	PV mPa·s / YP Pa	/	/	/
	D.C. ID		SER. No.	3878FD	10161	GEL STR. Pa	/	/	/
	STB RMR		DEPTH OUT	176	"	WATER LOSS cm³			
			DEPTH IN	162.4	176.0	pH			
			TOTAL METRES DRILLED	14.4		SOLIDS %			
			TOTAL HRS. RUN	4 1/2					
	STANDS DP	m	COND. I/T's T/B/GAGE	4 2 I	-	MUD & CHEMICALS ADDED: TYPE	AMT. kg	TYPE	AMT. kg
28	SINGLES DP	174.70 m	FLOW RATE m³/min	/	/	GEL	27 SKs		
	KELLY DOWN	4.70 m	PRESSURE DROP kPa						
	TOTAL	176.00 m							
	(FORCE) WT. OF STRING	3700 daN							

REMARKS

DRILLER

Metres Drilled / Formation

METRES DRILLED FROM	TO	DR..D RM..R CORE..C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
162.4	176 m				60	6600	2250	140	42			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2100	1	3	Ream hole To bottom hole sluffing
2100	2200	1	5	Flush hole + condition mix 19 sks gel
2200	2400	2	2	DRILL From 162.40 166m Rock - Bolders
0000	01.30	1 1/2	5	dump pit mix 4 SKs GEL cleang gravel out of Pump
01.30	04.30	2 1/2	2	DRILL From 166m - 176m
0400	04.30	1/2	5	condition hole
0430	07.00	2 1/2	6	Trip out button bit run in To CORE
0700	0800	1	5	Dump pit mix mud condition hole 4 SKS

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. Koshman	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

No.

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE Yr. Mo. Day
COHO HOME SITE LAKE SOUTH	2G-21	2G-21		86 2 4

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD.	SDS DRILLING LTD.	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FDFXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places, mud density = kilogram per cubic metre (kg/m³), pump-stroke length = millimetre (mm), weight of string = decanewton (daN), weight on bit: indicator will record decanewton, linear mass = kilogram per metre (kg/m), viscosity = second per litre (s/L), flow rate = cubic metre per minute (m³/min), pressure gradient = kilopascal per metre (kPa/m), yield point = pascal (Pa), plastic viscosity = millipascal second (mPa·s), gel strength = pascal (Pa), work completed by wire line = megajoule (MJ), inside diameter and outside diameter = millimetre (mm), pump pressure = kilopascal (kPa)

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
	177.8	166.0	CAPE	35.3	K55	18	103.79	1.9	103.7

WIRE LINE RECORD — ABBL No.

SIZE	No. LINES	METRES SUPPLIED
METRES CUT OFF	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

DRILLING CREW PAYROLL DATA — No.

DATE 86 2 4 (Year Month Day)
WELL NAME & No. 2G-21
COMPANY SDS DRILLING
TOOL PUSHER DAN WALDNER — RIG No. 4

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL		1/2
3	REAMING	1 1/2	1
4	CORING	5 1/2	
5	CONDITION MUD & CIRCULATE	1 1/2	1/2
6	TRIPS	2 1/2	8 1/4
7	LUBRICATE RIG	1/2	
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	OTH. WORK		
21	Clean gravel out of mud pump	1/2	1/2
22	Sand in barrel	1 1/4	
23			
COMPLETION	A. PERF'TN		
	B. TSG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDIT'NL		
	G.		
TOTALS		12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. W/O/P	
HRS. STANDBY	
TOTAL DAY WORK	
No. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (List end of tours)

No.			
1	8 3/4" Bowl	3.90	m
	STB RMR	OD	m
	D.C. ID	OD	m
	STB RMR	OD	m
	D.C. ID	OD	m
	STB RMR	OD	m
30	STANDS D.P.	183.00	m
	SINGLES DP		m
	KELLY DOWN	5.30	m
	TOTAL	192.20	m
	FORCED WT. OF STRING	3900	daN

REMARKS

DRILLER

BIT RECORD

BIT No.	4 CRR	5 RR3
SIZE	140	159
MFG.	christy	Smith
TYPE	S4	F2
JETS mm	OPEN	7 9
SER. No.	10161	38782
DEPTH OUT	192.2	192.2
DEPTH IN	176.0	176
TOTAL METRES DRILLED	16.2	Ream
TOTAL HRS. RUN	5 1/2	
COND. 1/8" T/B/GAGE	9	0
FLOW RATE	/	/
PRESSURE DROP kPa		

MUD RECORD

TIME	1400	1800
DENSITY kg/m³	1090	1020
PRESSURE GRADIENT		
VISCOSITY	41	38
PV mPa·s / YP Pa	/	/
GEL STR. Pa	/	/
WATER LOSS mL/30 min	/	/
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT kg	TYPE	AMT. kg
GEL	12 SKS		
GEL	4 SKS		

FIRST TOUR

METRES DRILLED

FROM	TO	DR. D Dia. B CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCED) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SOIL PARTICLE CONDUC
176	192.20	C	3	3.13m	60	1750	7400	140	42			
176	192	R										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2	7	Lubricate rig
0830	0930	1	4	CORE From 176m 180.8
0930	1000	1/2	5	clean mud Tank mix 4 SKs GEL
1000	1430	4 1/2	4	CORE From 180.8m 192.2m
1430			6	Trip out CORE barrel run IN with button bit To 148m
	1700	2 1/2		CORE bit wouldENT cut any more
1700	1730	1/2	21	clean gravel out of Mud Pump
1730	1830	1	5	clean out mud Pit Flush hole mix 12 SKs GEL
1830	2000	1 1/2	3	Ream IN From 148m 192.2

BOILER HOURS

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		FMARTELG	12
DERRICKMAN		K. NORRISH	12
MOTORMAN		S. BURNS	12
FLOORMAN		D COOK	12 1/2
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

SECOND TOUR

DRILLING ASSEMBLY (List end of tours)

BIT		m
	STB RMR	OD m
	D.C. ID	OD m
	STB RMR	OD m
	D.C. ID	OD m
	STB RMR	OD m
	STANDS D.P.	m
	SINGLES DP	m
	KELLY DOWN	m
	TOTAL	m
	FORCED WT. OF STRING	daN

REMARKS

DRILLER

BIT RECORD

BIT No.	5C	
SIZE	140	
MFG.	christen	
TYPE	S4	
JETS mm	OPEN	
SER. No.	10162	
DEPTH OUT		
DEPTH IN	192.50	
TOTAL METRES DRILLED		
TOTAL HRS. RUN		
COND. 1/8" T/B/GAGE		
FLOW RATE	/	
PRESSURE DROP kPa		

MUD RECORD

TIME	
DENSITY kg/m³	
PRESSURE GRADIENT	
VISCOSITY	
PV mPa·s / YP Pa	/ /
GEL STR. Pa	/ /
WATER LOSS mL/30 min	/ /
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT kg	TYPE	AMT. kg

METRES DRILLED

FROM	TO	DR. D Dia. B CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCED) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SOIL PARTICLE CONDUC
192.2	1925				60			140	42			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2100	1	3	Ream From 172 - 192.2
2100	2130	1/2	2	DRILL 192.20m To 192.50m
2130	2200	1/2	21	Clean gravel out of mud pump
2200	0130	3 1/2	6	Trip out button bit Trip IN CORE barrel
0130	0200	1/2	5	Clean out mud Pit mix mud condition hole 2 GEL
0200	0315	1 1/4	22	barrel Sanded in Try To Free pull back 12m
0315				couldENT break ciulation Trip out To Free
	0800		6	barrel, wet Trip

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G VEO	12
MOTORMAN		K. KOSHMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

FORM 2T6m

APPROVAL PENDING — CAODC APPROVED COPYRIGHT 1977 JANUARY

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING — CAODC APPROVED COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE Yr. Mo. Day
COHO HOME SKT/LAKE SOUTH	2G-21	2G-21		86 2 5

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD.	SDS DRILLING LTD.	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Dan Waldner

O.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	KHR	2	1	GARDNER DENVER	FDFXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)
flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa·s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

LOCATION DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
	117.8	66.07	KAPE	25.3	K55	18	1037.9	1.9	1037

WIRE LINE RECORD RKB No.

SIZE	No. LINES	METRES SLIPPED
METRES CUT OFF	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

DRILLING CREW PAYROLL DATA No.

DATE 86 2 5 (Yr. Mo. Day)
WELL NAME & No. 2G-21
COMPANY SDS DRILLING
TOOL PUSHER DAN WALDNER RIG No. 4

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1.	RIG UP AND TEAR DOWN		
2.	DRILL ACTUAL		9 1/2
3.	REAMING		
4.	CORING	6 1/2	
5.	CONDITION MUD & CIRCULATE	5	1
6.	TRIPS	1/2	1 1/2
7.	LUBRICATE RIG		
8.	REPAIR RIG		
9.	CUT OFF DRILLING LINE		
10.	DEVIATION SURVEY		
11.	WIRE LINE LOGS		
12.	RUN CASING & CEMENT		
13.	WAIT ON CEMENT		
14.	NIPPLE UP B.O.P.		
15.	TEST B.O.P.		
16.	DRILL STEM TEST		
17.	PLUG BACK		
18.	SQUEEZE CEMENT		
19.	FISHING		
20.	DIR. WORK		
21.			
22.			
23.			
COMPLETION	A. PERF'N'G		
	B. TRG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDIT'NL		
	G.		
TOTALS		12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. W/O DP	
HRS. STANDBY	
TOTAL DAY WORK	
No. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (at end of tour)

No.				
	BIT & SUB		3.90	m
	STB	OD		m
	D.C.	OD		m
	STB	OD		m
	D.C.	OD		m
	STB	OD		m
	STANDS D.P.			m
32	SINGLES D.P.		195.20	m
	KELLY DOWN		3.10	m
	TOTAL		202.7	m
	(FORCE) WT. OF STRING		4,100	daN

REMARKS

DRILLER

BIT RECORD

BIT No.	5C
SIZE	140
MFG.	Christen
TYPE	S4
JETS mm	OPEN
SER. No.	40162
DEPTH OUT	202.7
DEPTH IN	192.5
TOTAL METRES DRILLED	10.2
TOTAL HRS. RUN	6 1/2
COND. 1/8's T/B/GAGE	8 / 0
FLOW RATE m³/min	/
PRESSURE DROP kPa	

MUD RECORD

TIME	1100	1700	
DENSITY kg/m³	1120	1020	
PRESSURE GRADIENT			
VISCOSITY	40	36	
PV mPa·s / YP Pa	/	/	/
GEL STR. Pa	/	/	/
WATER LOSS cm³			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
AQUAGEL	12 SKS		

FIRST TOUR

METRES DRILLED

FROM	TO	DR. D MUD CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SOL'S PART'L P COMP'D C
192.5	202.7	C	3	3.21	40	18m	7400	140	42			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	5	WORK PIPE mix mud hole sluffing 8m OFF/sluff condition & circulate with open CORE barrel
1100	1400	3	4	CORE From 192.5 To 199.1 Bolders Till clays
1400	1600	2	5	Flush out hole clean out pit mix 12 AQUAGEL
1600	1930	3 1/2	4	CORE From 199.1 To 202.7 Rock: Granite
1930	2000	1/2	6	Trip out - core barrel hit boldee

BOILER HOURS

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORRISH	12
FLOORMAN		D. COOK	13
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY (at end of tour)

No.				
	BIT & Sub		.35	m
	STB	OD		m
	D.C.	OD		m
	STB	OD		m
	D.C.	OD		m
	STB	OD		m
	STANDS D.P.			m
111	SINGLES D.P.		249.3	m
	KELLY DOWN			m
	TOTAL		350.1	m
	(FORCE) WT. OF STRING		4,900	daN

REMARKS

DRILLER

BIT RECORD

BIT No.	6 RR3
SIZE	159
MFG.	Smith
TYPE	F2
JETS mm	8 3
SER. No.	8878F9
DEPTH OUT	Run
DEPTH IN	202.7
TOTAL METRES DRILLED	45
TOTAL HRS. RUN	9 1/2
COND. 1/8's T/B/GAGE	
FLOW RATE m³/min	/
PRESSURE DROP kPa	

MUD RECORD

TIME	2100	0100	0700
DENSITY kg/m³	1050	1040	1040
PRESSURE GRADIENT			
VISCOSITY	39	35	35
PV mPa·s / YP Pa	/	/	/
GEL STR. Pa	/	/	/
WATER LOSS cm³			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
AQUAGEL	9 SKS		

SECOND TOUR

METRES DRILLED

FROM	TO	DR. D MUD CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN SOL'S PART'L P COMP'D C
202.7	350.				160	9300	1400	140				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2130	1 1/2	6	Trip out CORE barrel run in with Button bit
2130	0330	6	2	DRILL From 202.7 To 232m
0330	0330	1	5	Flush hole mix 9 SKS Aquagel
0330	0800	4 1/2	2	DRILL From 232 To

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		C Koshman	12
MOTORMAN		G. VEO	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

FORM 2700

APPROVAL PENDING

APPROVED CAODC COPYRIGHT 1977 JANUARY

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING

APPROVED CAODC COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
COHO Home Silt LAKE South	-	2G-21		86 2 6

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRLG LTD	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
(signature)	Dan Waldner (signature)

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FD FXD	254

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places. mud density = kilogram per cubic metre (kg/m³); pump-stroke length = millimetre (mm); weight of string = decanewton (daN); weight on bit: indicator will record decanewton; linear mass = kilogram per metre (kg/m); viscosity = second per litre (s/L); flow rate = cubic metre per minute (m³/min); pressure gradient = kilopascal per metre (kPa/m); yield point = pascal (Pa); plastic viscosity = millipascal second (mPa·s); gel strength = pascal (Pa); work completed by wire line = megajoule (MJ); inside diameter and outside diameter = millimetre (mm); pump pressure = kilopascal (kPa)

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	REL. TO CSG. HD.	SET AT
	177.8	166.07	CAPE	25.3	K55	18	103.79	1.9	103.7

WIRE LINE RECORD — SIZE; No. LINES; METRES SLIPPED; METRES CUT OFF; PRESENT LENGTH; MEGAJOULES SINCE LAST CUT; CUMULATIVE MEGAJOULES

TIME DISTRIBUTION – HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL	6	10
3	REAMING		
4	CORING		
5	CONDITION MUD & CIRCULATE	1	2
6	TRIPS	3½	
7	LUBRICATE RIG	½	
8	REPAIR RIG	1	
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21			
22			
23			
COMPLETION A	PERF'R'T'N		
B	TBG TRIPS		
C	TREATING		
D	SWABBING		
E	TESTING		
F	ADDIT'N'L		
G			
	TOTALS	12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY): HRS. W/CONTR. D.P.; HRS. W/OPR. D.P.; HRS. WO/DP; HRS. STANDBY; TOTAL DAY WORK; No. OF DAYS FROM SPUD; CUMULATIVE ROTATING HRS.; TOTAL MUD COST

FIRST TOUR

Drilling Assembly (at end of tour)

No.	Item	Length
	Bit + Sub	.35
	STB RMR	
	D.C. ID	
	STB RMR	
	D.C. ID	
	STB RMR	
	STANDS DP	
43	SINGLES DP	262
	KELLY DOWN	1.65
	TOTAL	264
	(FORCE) WT. OF STRING	5000

REMARKS: Smith bit had 2 washed out jets + one mudded off jet

Bit Record

BIT No.	GRR3	4
SIZE	159	159
MFG.	Smith	VAREL
TYPE	F2	L35
JETS	8/13	7/12
SER. No.	8878F2	10507
DEPTH OUT	262	run
DEPTH IN	202	262
TOTAL METRES DRILLED	60	IN
TOTAL HRS. RUN	5½	½
COND. T/B/GAGE	2 1 0	
FLOW RATE	/	/
PRESSURE DROP		

Mud Record

TIME	0800	1530
DENSITY kg/m³	1120	1050
PRESSURE GRADIENT		
VISCOSITY	37	37
PV / YP	/	/
GEL STR.	/	/
WATER LOSS		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED: Aquagel 13 SKS

DRILLER

METRES DRILLED FROM	TO	DR. D / W.R. / CORE C	CORE No.	FORMATION	ROTARY RPM	(FORCE) WT. ON BIT	PUMP PRESS	LINER SIZE	STROKES
250	264	D			60	9,400	1400	140	42

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1300	5	2	DRILL From 250m To 259m
1300	1330	½	7	LUBRICATE Rig
1330	1430	1	5	dump mud Pit mix 13 SKS Gel Flush hole
1400	1500	½	8	REpair mud Pumpclutch
1500	1530	½	2	DRILL From 259 - 262 m
1530	1900	3½	6	Trip out button bit Run in with mill tooth
1900	1930	½	8	work on air trottle
1930	2000	½	2	DRILL From 262 - 264

SECOND TOUR

Drilling Assembly (at end of tour)

No.	Item	Length
	BIT + Sub	.35
	STB RMR	
	D.C. ID	
	STB RMR	
	D.C. ID	
	STB RMR	
	STANDS DP	
50	SINGLES DP	305
	KELLY DOWN	- 3.0
	TOTAL	308
	(FORCE) WT. OF STRING	5,800

REMARKS:

Bit Record

BIT No.	4
SIZE	159
MFG.	VAREL
TYPE	L35
JETS	7/12
SER. No.	10507
DEPTH OUT	[illegible]
DEPTH IN	262
TOTAL METRES DRILLED	46
TOTAL HRS. RUN	10½
COND. T/B/GAGE	
FLOW RATE	/ /
PRESSURE DROP	

Mud Record

TIME	2000	2400	0700
DENSITY kg/m³	1120	1140	1030
PRESSURE GRADIENT			
VISCOSITY	37	39	35
PV / YP	/	/	/
GEL STR.	/	/	/
WATER LOSS			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED: Aquagel 10SKS

DRILLER

METRES DRILLED FROM	TO	DR. D / W.R. / CORE C	CORE No.	FORMATION	ROTARY RPM	(FORCE) WT. ON BIT	PUMP PRESS	LINER SIZE	STROKES
264	308				60	10,400	1400	140	48

DEVIATION RECORD: DEPTH / DEV. / DIRECTION

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	0430	8½	2	DRILL From 264m To 308 m
0430	0630	2	5	Flush hole clean out Pit mix 10SKS Aquagel
0630	0800	1½	2	DRILL sit on top of Bolder

DRILLING CREW PAYROLL DATA

No.

DATE 86 2 6 (Year Month Day)

WELL NAME & No. 2G-21

COMPANY SDS DRILLING

TOOL PUSHER DAN WALDNER — RIG No. 4

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORRISH	12
FLOORMAN		D. COOK	13
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. Koshman	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
COHO HOME Silt LAKE South		26-21		86 2 7

OPERATOR	CONTRACTOR.	RIG No.
COHO RESOURCES LTD	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
D.M. Mateer	Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FD FXD	254

LEGEND

Metric expression: All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decinewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L).
flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa•s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

CASING AND LINER RECORD

	BIT/HOLE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
LAST CASING/LINER/OR LINER	117.8	116.07	CAPE	25.3	K55	18	103.79	1.9	103.7

WIRE LINE RECORD (RKB No.)

SIZE	No. LINES	METRES SLIPPED
METRES CUT OFF	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

DRILLING CREW PAYROLL DATA — No.

DATE 86 2 7 (Year Month Day)
WELL NAME & No. 62-21
COMPANY SDS DRLG
TOOL PUSHER DAN WALDNER RIG No. 4

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL	1 1/2	
3	REAMING		
4	CORING	3 1/2	10 1/2
5	CONDITION MUD & CIRCULATE		1 1/2
6	TRIPS	3 1/2	
7	LUBRICATE RIG	1/2	
8	REPAIR RIG	3	
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	PERFORATING		
20	DIR. WORK		
21			
22			
23			

COMPLETION: A. PERF'TN. B. TBG TRIPS C. TREATING D. SWABBING E. TESTING F. ADD'TNL G.

TOTALS 22 12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.
HRS. W/OPR. D.P.
HRS. WO/OP
HRS. STANDBY
TOTAL DAY WORK
No. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

DRILLING ASSEMBLY — FIRST TOUR

No.				
1	Reed bud	3.90	=	BIT No.
				SIZE
	STB	OD	=	MFG.
	O.C.	OD	=	TYPE
	STB	OD	=	JETS mm
	O.C.	OD	=	SER. No.
	STB	OD	=	DEPTH OUT
				DEPTH IN
				TOTAL METRES DRILLED
				TOTAL HRS. RUN
	STANDS DP		=	COND. T/B's T/B/GAGE
53	SINGLES DP	323.3	=	FLOW RATE
	KELLY DOWN		=	PRESSURE DROP kPa
	TOTAL	327.2	=	
	(FORCE) WT. OF STRING	6100 daN		

BIT RECORD — FIRST TOUR

	NEW	
BIT No.	#7	6C
SIZE	159	140
MFG.	HARELchrist	
TYPE	L35	54
JETS mm	7 1/2	OPEN
SER. No.	10507	55686
DEPTH OUT	320	IN
DEPTH IN	262	320
TOTAL METRES DRILLED	58	running
TOTAL HRS. RUN	11 1/2	3 1/2
COND. T/B's T/B/GAGE	B5	6
FLOW RATE	/	/
PRESSURE DROP kPa	-	

MUD RECORD — FIRST TOUR

TIME	0800	1700
DENSITY kg/m³	1030	1120
PRESSURE GRADIENT		
VISCOSITY	37	35
PV mPa•s / YP Pa	/	/
GEL STR. Pa	/	/
WATER LOSS mL		
pH		
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg

REMARKS

DRILLER

METRES DRILLED — FIRST TOUR

FROM	TO	DR. D RAN CORE	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCED WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	PUMP No. 1 STROKES per min	PUMP No. 2 LINER SIZE	PUMP No. 2 STROKES per min	METHOD RUN SCL-S PART'L-P CONT'D-C
308	320	D			60	6/100	650	140	42			
320	327.2	C	4	5.53 recovery								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
0800	0930	1 1/2	2	DRILL From 308 - 320m	
0930	1300	3 1/2	6	Trip out millTooth To CORE Trip In CORE bbl	
1300	1330	1/2	7	Lubricate Rig	
1330	1630	3	3	Repair Flippers Top drive came out of Track had To lay down DERRICK To Repair	
1630	2000	3 1/2	4	CORE From 320m To 327.2	

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORRISH	12
FLOORMAN		D. COOK	12
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DRILLING ASSEMBLY — SECOND TOUR

No.				
1	BIT CORE BARREL	3.90	=	BIT No.
				SIZE
	STB	OD	=	MFG.
	O.C.	OD	=	TYPE
	STB	OD	=	JETS mm
	O.C.	OD	=	SER. No.
	STB	OD	=	DEPTH OUT
				DEPTH IN
				TOTAL METRES DRILLED
				TOTAL HRS. RUN
	STANDS DP		=	COND. T/B's T/B/GAGE
57	SINGLES DP	347.7	=	FLOW RATE
	KELLY DOWN	351.6	=	PRESSURE DROP kPa
	TOTAL	6500	=	
	(FORCE) WT. OF STRING		daN	

BIT RECORD — SECOND TOUR

BIT No.	6C	
SIZE	140	
MFG.	THRISTEN	
TYPE	54	
JETS mm	OPEN	
SER. No.	55686	
DEPTH OUT	IN	
DEPTH IN	320	
TOTAL METRES DRILLED	2 4mm	
TOTAL HRS. RUN	1/4	
COND. T/B's T/B/GAGE		
FLOW RATE	/	
PRESSURE DROP kPa		

MUD RECORD — SECOND TOUR

TIME	2200	2400	0700
DENSITY kg/m³	1140	1030	1080
PRESSURE GRADIENT			
VISCOSITY	39	35	34
PV mPa•s / YP Pa	/	/	/
GEL STR. Pa	/	/	/
WATER LOSS mL			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT. kg	TYPE	AMT. kg
AQUAGEL	11 SKS		

REMARKS

DRILLER

METRES DRILLED — SECOND TOUR

FROM	TO	DR. D RAN CORE	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCED WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	PUMP No. 1 STROKES per min	PUMP No. 2 LINER SIZE	PUMP No. 2 STROKES per min	METHOD RUN SCL-S PART'L-P CONT'D-C
327.2	350.5	C	5	8.96 Recovery	40	6500	1100	140	42			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
2000	2200	2	4	CORE From 320 - 333.3	
2200	2330	1 1/2	5	FLUSH HOLE MIX 11 SKS AQUAGEL + CIRC	
2330	0810	8 1/2	4	CORE FROM 333.3 — 351.6m	

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G. VEO	12
MOTORMAN		K. COSHMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

Form 2Tbm

APPROVAL PENDING

CAODC APPROVED COPYRIGHT 1977 JANUARY

Check top drive filters

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING

CAODC APPROVED COPYRIGHT 1977 JANUARY

DAILY DRILLING REPORT

No.

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE (Yr. Mo. Day)
COHO Home Silt Lake South		2G-21		86 2 8

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRLG	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FD FXD	

LEGEND

Metric expressions: All lengths expressed in metres to two decimal places.
mud density = kilogram per cubic metre (kg/m³); pump-stroke length = millimetre (mm); weight of string = decanewton (daN); weight on bit: indicator will record decanewton; linear mass = kilogram per metre (kg/m); viscosity = second per litre (s/L); flow rate = cubic metre per minute (m³/min); pressure gradient = kilopascal per metre (kPa/m); yield point = pascal (Pa); plastic viscosity = millipascal second (mPa·s); gel strength = pascal (Pa); work completed by wire line = megajoule (MJ); inside diameter and outside diameter = millimetre (mm); pump pressure = kilopascal (kPa)

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
	177.8	166.07	CAPE	25.3	K55	18	103.79	1.9	103.7

WIRE LINE RECORD — REEL No.; SIZE; No. LINES; METRES SLIPPED; METRES CUT OFF; PRESENT LENGTH; MEGAJOULES SINCE LAST CUT; CUMULATIVE MEGAJOULES

TIME DISTRIBUTION - HOURS

CODE No. OPERATION	FIRST TOUR	SECOND TOUR
1. RIG UP AND TEAR DOWN		
2. DRILL ACTUAL		5
3. REAMING		3
4. CORING	7	
5. CONDITION MUD & CIRCULATE	2	1½
6. TRIPS	2	2½
7. LUBRICATE RIG	1	
8. REPAIR RIG		
9. CUT OFF DRILLING LINE		
10. DEVIATION SURVEY		
11. WIRE LINE LOGS		
12. RUN CASING & CEMENT		
13. WAIT ON CEMENT		
14. NIPPLE UP B.O.P.		
15. TEST B.O.P.		
16. DRILL STEM TEST		
17. PLUG BACK		
18. SQUEEZE CEMENT		
19. FISHING		
20. DIR. WORK		
21.		
22.		
23.		
COMPLETION A. PERFORATING		
B. TBG TRIPS		
C. TREATING		
D. SWABBING		
E. TESTING		
F. ADDITIONAL		
G.		
TOTALS	12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY): HRS. W/CONTR. D.P.; HRS. W/OPR. D.P.; HRS. WO/DP; HRS. STANDBY; TOTAL DAY WORK; No. OF DAYS FROM SPUD; CUMULATIVE ROTATING HRS.; TOTAL MUD COST

FIRST TOUR 08:00 TO 12:00

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
	BIT CORE BBL	3.90 m	BIT No.	6C	TIME	1000	1400	1800
			SIZE	140	DENSITY kg/m³	1030	1030	1050
	STB REAM OD		MFG.	Christsen	PRESSURE GRADIENT			
	D.C. ID OD		TYPE	54	VISCOSITY	35	34	42
	STB REAM OD		JETS mm	OPEN	PV / YP	/	/	/
	D.C. ID OD		SER. No.	55686	GEL STR. Pa	/	/	/
	STB REAM OD		DEPTH OUT	360.9	WATER LOSS			
			DEPTH IN	320	pH			
			TOTAL METRES DRILLED	31	SOLIDS %			
			TOTAL HRS. RUN	20				
	STANDS DP		COND. T/B/GAGE	7 0	MUD & CHEMICALS ADDED TYPE	AMT. kg	TYPE	AMT. kg
58	SINGLES DP	353.8	FLOW RATE	/ /	AQUAGEL	18 SKS		
	KELLY DOWN	3.90 m	PRESSURE DROP kPa					
	TOTAL	360.9 m						
	(FORCE) WT. OF STRING	6,700 daN						

REMARKS:

DRILLER

Metres Drilled / Formation

FROM	TO	DR.-D REAM-R CORE-C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	METHOD RUN
350.5	360.9	C		.60 RECOVERY	40	6700	1050	140	42			

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2	4	CORE FROM 350.5 - 351.6 m Bolders
0830	1000	1 1/2	5	Flush hole mix mud + condition hole
1000	1100	1	7	Lubricate Rig Turn belts on mudpump
1100	1600	5	4	CORE From 351.6 - 357 m cobbles
1600	1630	1/2	5	hole Tight pull Kelly up mix 4 sKs GEL condition
1630	1800	1 1/2	4	CORE FROM 357 m To 360.9
1800	2000	2	6	Trip out core barrel To check bit
				Sitting ontop of bolder lots of gravel
				washing out of hole Trip to drill out with
				button bit hole sluFFing while pulling
				core had Trouble breaking cirulations

BOILER HOURS

SECOND TOUR 12:00 TO 24:00

Drilling Assembly / Bit Record / Mud Record

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
1	BIT + SUB	.35 m	BIT No.	8RR	TIME	0130	300	530
			SIZE	159	DENSITY kg/m³	1070	1060	1030
	STB REAM OD		MFG.	Smith	PRESSURE GRADIENT			
	D.C. ID OD		TYPE	F2	VISCOSITY	38	36	35
	STB REAM OD		JETS mm	8.3	PV / YP	/	/	/
	D.C. ID OD		SER. No.	88 RRED	GEL STR. Pa	/	/	/
	STB REAM OD		DEPTH OUT	IN	WATER LOSS			
			DEPTH IN	361	pH			
			TOTAL METRES DRILLED	running	SOLIDS %			
			TOTAL HRS. RUN	3				
	STANDS DP		COND. T/B/GAGE		MUD & CHEMICALS ADDED TYPE	AMT. kg	TYPE	AMT. kg
63	SINGLES DP	384.65	FLOW RATE	/ /	AQUAGEL	7	SKS	
	KELLY DOWN	m	PRESSURE DROP kPa					
	TOTAL	385 m						
	(FORCE) WT. OF STRING	7,100 daN						

REMARKS: Taking 2 m samples Lag Time - 12 min between samples

DRILLER

Metres Drilled / Formation

FROM	TO	DR.-D REAM-R CORE-C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	METHOD RUN
360.9	385				60	11200	1480	140	48			

~~Close ANULAR 3 minutes~~

DEVIATION RECORD — DEPTH / DEV. / DIRECTION: HELD Blowout DRILL @ 2200

Time Log

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2130	1 1/2	6	FINISH TRIPPING out CORE BARREL
2130	2200	1/2	5	Dump Pit Mix 4 sks Aquagel
2200	2300	1	6	TRIP IN Button Bit Hole Bridged
				at 131m CLEAN out Mud Pump
2300	0200	3	3	REAM 320 m to 361 m clean out
0200	0230	1/2	5	CLEAN OUT MUD PUMP
0230	0400	1 1/2	2	DRILL 361m to 372.85m
0400	0430	1/2	5	Dump Pit + Mix 3 sks Aquagel
0430	0800	3 1/2	2	DRILL 372.85m to

BOILER HOURS

DRILLING CREW PAYROLL DATA

No.

DATE: 86 2 8 (Year Month Day)

WELL NAME & No.: 2G-21

COMPANY: SDS DRILLING

TOOL PUSHER: DAN WALDNER

RIG No.

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. KNORRISH	12
FLOORMAN		D. COOK	13
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ___ SINCE LAST LOST TIME ACCIDENT

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. KOSHMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS ___ SINCE LAST LOST TIME ACCIDENT

OFFICIAL DAILY DRILLING REPORT FORM

APPROVAL PENDING CAODC APPROVED COPYRIGHT 1977 JANUARY

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No.	WELL NUMBER	WATER DEPTH	DATE
COHO HOME		26-21		86 2 9 (8629)

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURSES LTD	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25		127	CHR	2	1	GARDNER DENVER	FDFXD	254

LEGEND

All lengths expressed in metres to two decimal places.

Metric expressions:
mud density = kilogram per cubic metre (kg/m³)
pump-stroke length = millimetre (mm)
weight of string = decanewton (daN)
weight on bit: indicator will record decanewton
linear mass = kilogram per metre (kg/m)
viscosity = second per litre (s/L)
flow rate = cubic metre per minute (m³/min)
pressure gradient = kilopascal per metre (kPa/m)
yield point = pascal (Pa)
plastic viscosity = millipascal second (mPa·s)
gel strength = pascal (Pa)
work completed by wire line = megajoule (MJ)
inside diameter and outside diameter = millimetre (mm)
pump pressure = kilopascal (kPa)

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT
	177.8	160.2	CAE	23	K55	18	103.79	1.9	103.7

WIRE LINE RECORD — REEL No. / SIZE / No. LINES / METRES SLIPPED / METRES CUT OFF / PRESENT LENGTH / MEGAJOULES SINCE LAST CUT / CUMULATIVE MEGAJOULES

DRILLING CREW PAYROLL DATA

No.

DATE 86-2-9

WELL NAME & No. 26-21

COMPANY SDS DRILLING

TOOL PUSHER DAN WALDNER — RIG No. 4

TIME DISTRIBUTION - HOURS

CODE No. - OPERATION	FIRST TOUR	SECOND TOUR
1. RIG UP AND TEAR DOWN		
2. DRILL ACTUAL	6	1½
3. REAMING		
4. CORING		
5. CONDITION MUD & CIRCULATE	1¼	2
6. TRIPS	4¼	3½
7. LUBRICATE RIG	½	
8. REPAIR RIG		
9. CUT OFF DRILLING LINE		
10. DEVIATION SURVEY		
11. WIRE LINE LOGS		5
12. RUN CASING & CEMENT		
13. WAIT ON CEMENT		
14. NIPPLE UP B.O.P.		
15. TEST B.O.P.		
16. DRILL STEM TEST		
17. PLUG BACK		
18. SQUEEZE CEMENT		
19. FISHING		
20. DIR. WORK		
21.		
22.		
23.		
COMPLETION A. PERFOR'T'N		
B. TBG TRIPS		
C. TREATING		
D. SWABBING		
E. TESTING		
F. ADDIT'N'L		
G.		
TOTALS		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		
HRS. W/CONTR. D.P.		
HRS. W/OPR. D.P.		
HRS. WO/DP		
HRS. STANDBY		
TOTAL DAY WORK	12	12
No. OF DAYS FROM SPUD		
CUMULATIVE ROTATING HRS.		
TOTAL MUD COST		

FIRST TOUR

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
1	BIT SDB	.35 m	BIT No.	8 KK	TIME	1300		
			SIZE	159	DENSITY kg/m³	1100		
	STB REAM OD	m	MFG.	SMITH	PRESSURE GRADIENT			
	D.C. ID OD	m	TYPE	F2	VISCOSITY	40		
	STB REAM OD	m	JETS mm	8.3	PV mPa·s / YP Pa	/	/	/
	D.C. ID OD	m	SER. No.	8878	GEL STR. Pa	/	/	/
	STB REAM OD	m	DEPTH OUT	400	WATER LOSS cm³			
			DEPTH IN	361	pH			
			TOTAL METRES DRILLED	39	SOLIDS %			
			TOTAL HRS. RUN	9½				
	STANDS D.P.	m	COND. T/B/GAGE		MUD & CHEMICALS ADDED: TYPE	AMT. kg	TYPE	AMT. kg
	SINGLES DP	396.8 m	FLOW RATE m³/min	/ /	Aquagel	10 sxs		
	KELLY DOWN	3.20	PRESSURE DROP kPa					
	TOTAL	400 m		–	Aquagel	4 sxs		
	(FORCE) WT. OF STRING	7,400 daN						

REMARKS

DRILLER

METRES DRILLED FROM	TO	DR.-D REAM-R CORE-C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
385	400				60	11,900	1400	140	48			

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

BOILER HOURS

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1015	2¼	2	DRILL FROM 385 to 391m
1015	1100	3/4	5	CLEAN Pit mix 4SXS mud condition hole
1100	1130	½	7	Change Rod Packing Rig Service
1130	1200	½	5	Flush hole mix mud 4SXS
1200	1545	3¾	2	DRILL FROM 391m to 400m bit balled off.
1545	2000	4¼	6	TRIPout to Check Bit Dummy TRIP

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORRISH	12
FLOORMAN		D. Cook	13
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

SECOND TOUR

No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
1	BIT [illegible]	.35 m	BIT No.	9 KK	TIME	2400	0100	
			SIZE	159	DENSITY kg/m³	1090		
	STB REAM OD	m	MFG.	VAREL	PRESSURE GRADIENT			
	D.C. ID OD	m	TYPE	L35	VISCOSITY	55	65	
	STB REAM OD	m	JETS mm	7/12	PV mPa·s / YP Pa	/	/	/
	D.C. ID OD	m	SER. No.	105.07	GEL STR. Pa	/	/	/
	STB REAM OD	m	DEPTH OUT	410	WATER LOSS cm³			
			DEPTH IN	400	pH			
			TOTAL METRES DRILLED	10	SOLIDS %			
			TOTAL HRS. RUN	1½				
67	STANDS DP	409 m	COND. T/B/GAGE		MUD & CHEMICALS ADDED: TYPE	AMT. kg	TYPE	AMT. kg
	SINGLES DP	m	FLOW RATE m³/min	/ /	Aquagel	10 sxs		
	KELLY DOWN	.65 m	PRESSURE DROP kPa					
	TOTAL	410 m		Bit #2				
	(FORCE) WT. OF STRING	7,500 daN						

REMARKS

DRILLER

METRES DRILLED FROM	TO	DR.-D REAM-R CORE-C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
400	410			Logs Run CAL·FDC·DIL·CAL Survey 1.10 410m	60	12,400	1400	140	48			

DEVIATION RECORD — DEPTH / DEV. / DIRECTION

BOILER HOURS

TIME LOG FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2100	1	6	TRIP IN Hole - CHANGE Rod AND LINER
2100	2130	½	5	BREAK CIRC + clean to Bottom
2130	2300	1½	2	DRILL FROM 400m to 410m
2300	2330	½	5	CIRC Bottoms up Sample
2330	2400	½	5	Dump Pit + Mix 5 SXS Aquagel
2400	0100	1	5	CIRC + MIX 5SXS - RAISE Vis to 65+
0100	0300	2	6	TRIP OUT + LAY DOWN
0300	0800	5	11	Rig up Logger + Log
0730	0800			SAFTY meeting SAFTY cables on hoses guards on drive shafts & chains keep floor clean Test Rig shut down

SECOND TOUR, 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	12
DERRICKMAN		G. YEO	12
MOTORMAN		C. KOSHMAN	12
FLOORMAN			
FLOORMAN			
FLOORMAN			
LEASEMAN			
CRANE SUPT.			
MECHANIC			
WELDER			
ROUSTABOUT			
ROUSTABOUT			
TRAINEE			

No. OF DAYS SINCE LAST LOST TIME ACCIDENT

FORM 27M

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE	WELL No. / WELL NUMBER	WATER DEPTH	DATE
COHO HOME Silt LAKE South	2G-21		86 2 10

OPERATOR	CONTRACTOR	RIG No.
COHO RESOURCES LTD	SDS DRILLING	4

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[signature]	Dan Waldner

D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114.3	17.25	-	127	CHR	2	1	GARDNER DENVER	FD FXD	254

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT
	177.8	116.0	CAPE	25.3	K55	18	103.79	1.9	103.7

FIRST TOUR

Formation: Pumped Plug #1 410m to 310m - 20m³ 26T Class "A" w 20% ACCEL DENSITY @ 1900 kg
DISPLACED @ 2.4 - H₂O Plug Down @ 8602-10 @ 1830

Deviation Record: Ran Dielectric T.D. To Surface Casing

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1330	5½	11	Log Hole
1330	1600	2½	6	Trip IN OPEN End To Cement plugs
1600	1700	1	5	cirulate on bottom & clean out pit
1700	1830	1½		Cement First Plug 70 sxs
1830	2000	1½		Pull out 48 pipe

PLUG #2 .8m³ H₂O AHEAD 117m TO 87m
CEMENT @ 1.32m³ slurry 2T Class A Neat - 19.00 kg/m DENSITY
DISPLACED @ .67 H₂O. Plug Down @ 2100 8602-10
Felt at 70m

SECOND TOUR

Formation: Plug #3 0 to 10m
.07m³ slurry .25 Tonne Class A Plug Down @ 0330 86-02-11

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2000	2100	1		Run Second Plug
2100	0330	6½		TEAR OUT Rig & BOP wait on CEMENT
0330	0400	½		FELT SECOND Plug & run plug No. 3

Rig Release 0400 hrs 86-02-11
[signature]

DRILLING CREW PAYROLL DATA

No.

DATE 86 2 10 (Year Month Day)
WELL NAME & No. 2G-21
COMPANY SDS DRILLING
TOOL PUSHER DAN WALDNER RIG No. 4

FIRST TOUR 00:00 TO 12:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		F. MARTELL	12
DERRICKMAN		S. BURNS	12
MOTORMAN		K. NORRISH	12

SECOND TOUR 12:00 TO 24:00

CREW	SOC. SEC. No.	NAME	HRS.
DRILLER		G. BECKER	7
DERRICKMAN		C. Koshman	12
MOTORMAN		G. YEO	7

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