



"DAILY DRILL REPORT"

[illegible]

Hourly Distribution	Day	Aft.	Nite
Core Drilling	7	6	5
- Handling Rod (change bit)			
Overburden - rock bit			
Collaring Hole - Dia. bit			
Rotary Drilling			
- Handling Rod (bit)			
Rock Bit - Overburden			
Reaming (to)			
Casing — Placing			
— Pulling			
Delays - Client Acct.			
Cementing - Handling Rods			
- Prep Hole & Grout			
- Setting			
- Drilling			
Moving - Hole to Hole			
Rigging Up - Rigging Down			
Mix-Mud	(1409)		
Condition Hole, Lost Circulation	(1)	(2)	(3)
Surveying, Inclination Test			
Mobilization/Demobilization			
Other (Explain)			
Total Hours	8	8	8
Driller's Initials	RL	CH	1/2/1

Supplies Consumed

Description	Size	Product Name	Day	Aft.	Nite
Number of Units					
Portland Lumnite					
Calseal					
Mud	50#		7		5
Mud	100#	HOUA			
Other (Describe)		CNC	1		
OTHER					
Water hauling	72 miles		4 loads		
Core boxes:		size/no.			
Length of waterline:					
Lost tools: Description					
Lost bits: Size _____ Serial no. _____					
Depth: _____ ft. Hole # _____					
Casing lost or left in hole: Size _____ ft.					
for Client _____ Hole # _____					
Longco _____ Hole # _____					
Bit changes:	Size	Serial #	Depth		
(Include first bit in hole)	_____	_____	_____		
	_____	_____	_____		
	_____	_____	_____		

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	R. LONCJOY	8	D. FERGUSON	8	W. SHANNON	8
B	C. ANDERSON	8	W. BIGLER	8	J. L. JENKINS	8
C	K. HALL	8	L. BROWN	8	F. LADUE	8

Remarks: 6 hrs. last circulation.
3 shifts water haulage.

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.

CLIENT

LONGYEAR COMPANY

Contracting Division

General Office --

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: CHINA LAKE Date: 8 29 19 83 Drill 40500 13354 13356
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: COISO CAL Foreman's Signature: Ray W. Ferguson

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Recovered	Size	Footage
					From	To	From	To				
Day A	<u>CGCTH 90</u> <u>74-2</u>			<u>HQWL</u>	<u>1323</u>	<u>1342</u>			<u>19</u>	<u>16</u>	<u>5 1/2</u>	<u>303</u>
Aft B	<u>CGC</u> <u>TCH 90</u> <u>74-2</u>			<u>HQWL</u>	<u>1342</u>	<u>1356</u>			<u>14</u>	<u>14</u>		
Nite C	<u>CGCTH</u> <u>74-2 90</u>			<u>HQWL</u>	<u>1356</u>	<u>1388</u>			<u>32</u>	<u>32</u>		

Hourly Distribution				Supplies Consumed			
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Number of Units
Handling Rod (change bit)	<u>8</u>	<u>8</u>	<u>7</u>	Portland			
Overburden - rock bit				Lumnite			
Collaring Hole - Dia. bit				Calseal			
Rotary Drilling				Mud	<u>50#</u>	<u>NOVA</u>	<u>1</u>
Handling Rod (bit)				Mud	<u>100#</u>		<u>1</u>
Rock Bit - Overburden				Other (Describe)			
Reaming (to)				<u>1 3/4" Core L</u>			<u>1</u>
Casing - Placing				<u>No Temperature</u>			
- Pulling				<u>80° F in the Bbl.</u>			
Delays - Client Acct.							
Cementing - Handling Rods							
- Prep Hole & Grout							
- Setting							
- Drilling							
Moving - Hole to Hole							
Rigging Up - Rigging Down							
Mix Mud							
Condition Hole, Lost Circulation							
Surveying, Inclination Test							
Mobilization/Demobilization							
Other (Explain)							
Total Hours	<u>8</u>	<u>8</u>					
Driller's Initials	<u>RL</u>	<u>CH</u>					

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>R. Lovejoy</u>	<u>8</u>	<u>D. Ferguson</u>	<u>8</u>	<u>W. Sheppard</u>	<u>8</u>
B	<u>C. Anderson</u>	<u>8</u>	<u>W. Bigler</u>	<u>8</u>	<u>J. J. Vinkens</u>	<u>8</u>
C	<u>ICR Hall</u>	<u>8</u>	<u>L. Berry</u>	<u>8</u>	<u>P. Lander</u>	<u>8</u>

Remarks: lost Circulation at 1379 - Got it Back
1 hr. Day Work.
3 shifts water haulen.

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.

LONGYEAR COMPANY
Contracting Division
General Office
Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: CHINA LAKE Date: 8 28 1983 Drill HD 500 13354 13356
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: COSO CAL Foreman's Signature: Ray W. Ferguson

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Recovered	Size	Footage
Day A	<u>CGCTCH</u>	<u>90</u>		<u>HQWL</u>	<u>1241</u>	<u>1281</u>			<u>40</u>	<u>40</u>		
	<u>74-2</u>											
Aft B	<u>CGCTCH</u>	<u>90</u>		<u>HQWL</u>	<u>1281</u>	<u>1310</u>			<u>29</u>	<u>29</u>		
	<u>74-2</u>											
Nite C	<u>CGCTCH</u>	<u>90</u>		<u>HQWL</u>	<u>1310</u>	<u>1323</u>			<u>13</u>	<u>13</u>		
	<u>74-2</u>											

Hourly Distribution				Supplies Consumed			
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day Aft. Nite
Handling Rod (change bit)	<u>7</u>	<u>8</u>	<u>6</u>	Portland			
Overburden - rock bit				Lumnite			
Collaring Hole - Dia. bit				Calseal			
Rotary Drilling				Mud	<u>50#</u>	<u>NDUA</u>	<u>4</u> <u>1</u> <u>3</u>
Handling Rod (bit)				Mud	<u>100#</u>		
Rock Bit - Overburden				Other (Describe)			
Reaming (to)							
Casing - Placing							
- Pulling							
Delays - Client Acct.							
Cementing - Handling Rods							
- Prep Hole & Grout							
- Setting							
- Drilling							
Moving - Hole to Hole							
Rigging Up - Rigging Down							
Mix Mud	<u>1266</u>						
Condition Hole, Lost Circulation	<u>(D)</u>						
Surveying, Inclination Test							
Mobilization/Demobilization							
Other (Explain)							
Total Hours	<u>8</u>	<u>8</u>	<u>8</u>				
Driller's Initials	<u>RL</u>	<u>ck</u>	<u>YH</u>				

OTHER
Water hauling 54 miles 3 loads
Core boxes: size/ no.
Length of waterline:
Lost tools: Description
Lost bits: Size Serial no.
Depth: ft. Hole #
Casing lost or left in hole: Size ft.
for Client Hole #
Longco Hole #
Bit changes: Size Serial # Depth
(Include first bit in hole) HQWL L51376-1323

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>R. Lovejoy</u>	<u>8</u>	<u>D. Ferguson</u>	<u>8</u>	<u>W. Sheldon</u>	<u>8</u>
B	<u>C. Anderson</u>	<u>8</u>	<u>W. Bigler</u>	<u>8</u>	<u>H. L. Jenkins</u>	<u>8</u>
C	<u>K. R. Hall</u>	<u>8</u>	<u>L. Bolter</u>	<u>8</u>	<u>F. Loder</u>	<u>8</u>

Remarks: 800' production

1 hr. Day work
3 shifts water truck driver

RECEIVED
R. A. Pyle
SEP 1 1983

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.

"DAILY DRILL REPORT"

Contract: Chiana Lake Date: 8 27 1983 Drill HD-500 13354 3356
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Co. 30, Ch. 44, 115 Foreman's Signature: Darryl W. Ferguson

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Recovered	Size	Footage
					From	To	From	To				
Day A	CGCTCH 74-2 90			HQWL	1164	1183			19	19		
Aft B	CGCTCH 74-2 90			HQWL	1183	1206			23	23		
Nite C	CGCTCH 74-2 90			HQWL	1206	1241			35	35		

Hourly Distribution	Day	Aft.	Nite
Core Drilling	4	6	8
Handling Rod (change bit)			
Overburden - rock bit			
Collaring Hole - Dia. bit			
Rotary Drilling			
Handling Rod (bit)			
Rock Bit - Overburden			
Reaming (to)			
Casing - Placing			
- Pulling			
Delays - Client Acct.			
Cementing - Handling Rods			
- Prep Hole & Grout			
- Setting			
- Drilling			
Moving - Hole to Hole			
Rigging Up - Rigging Down			
Mix Mud			
Condition Hole, Lost Circulation	1188		
Surveying, Inclination Test			
Mobilization/Demobilization			
Other (Explain)			
Total Hours	4	8	8
Driller's Initials	RH	RZ	CA

Supplies Consumed		Day	Aft.	Nite
Description	Size	Number of Units		
Portland				
Lumnite				
Calseal				
Mud	50#			
Mud	100#	3	2	3
Other (Describe)				
OTHER				
Water hauling	72 miles	4	loads	
Core boxes:	size/		no.	
Length of waterline:				
Lost tools: Description				
Lost bits: Size		Serial no.		
Depth:		ft. Hole #		
Casing lost or left in hole: Size		ft.		
for Client		Hole #		
Longco		Hole #		
Bit changes:	Size	Serial #	Depth	
(Include first bit in hole)				

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	R. R. Hall	8		8		
B	R. Lovejoy	8	D. L. Bennett	8	W. F. Stodum	8
C	C. Anderson	8	W. Bialak	8	J. L. Jenkins	8

Remarks:

6 hrs. Day work
3 shifts water hauler.

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.

CLIENT

C. E. C. I.

LONGYEAR COMPANY

Contracting Division
General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: China Lake Date: 8 26 19 48 Drill H/D 500 133541325
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Casa, California Foreman's Signature: Ray W. Ferguson

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Re-covered	Size	Footage
					From	To	From	To				
Day A	<u>CCCCH</u> <u>74-2</u>	<u>90°</u>			<u>1164</u>	<u>—</u>			<u>—</u>	<u>—</u>	<u>HW</u>	<u>1163</u>
Aft B	<u>CCCCH</u> <u>74-2</u>	<u>90</u>										
Nite C	<u>CCG</u> <u>74-2</u>	<u>90</u>										

Hourly Distribution				Supplies Consumed					
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)				Portland					
Overburden - rock bit				Lumnite					
Collaring Hole - Dia. bit				Calseal					
Rotary Drilling				Mud	50#	<u>NOVA</u>		<u>1</u>	<u>4</u>
Handling Rod (bit)				Mud	100#				
Rock Bit - Overburden				Other (Describe)					
Reaming (to)									
Casing - Placing	<u>(8)</u>	<u>(8)</u>							
- Pulling									
Delays - Client Acct.									
Cementing - Handling Rods									
- Prep Hole & Grout									
- Setting									
- Drilling									
Moving - Hole to Hole									
Rigging Up - Rigging Down									
Mix Mud									
Condition Hole, Lost Circulation									
Surveying, Inclination Test									
Mobilization/Demobilization									
Other (Explain)									
<u>Drilled and Installed B.O.P.</u>			<u>(8)</u>						
Total Hours	<u>8</u>	<u>8</u>	<u>8</u>						
Driller's Initials	<u>WJ</u>	<u>RL</u>	<u>ejt</u>						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>K.P. Hall</u>	<u>8</u>	<u>D. L. FERGUSON</u>	<u>13</u>	<u>F. L. Lader</u>	<u>8</u>
B	<u>R. Loveloy</u>	<u>8</u>	<u>W. Bigler</u>	<u>8</u>	<u>W. Sherman</u>	<u>10</u>
C	<u>C. Anderson</u>	<u>8</u>		<u>8</u>	<u>L. Jenkins</u>	<u>8</u>

Remarks: Drilled HW Rods Into Bottom. Pulled BOP. Contractor welded HW To 5" Casing. Installed BOP. ejt
24hrs Day work
3 Shifts water haulers.

LONGYEAR COMPANY

Contracting Division
General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: CHINA LAKE Date: 8 25 83 Drill: HR-500 13354/13356
Location: Caso, Cal. Forth Foreman's Signature: Doug W. Ferguson

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Recovered	Size	Footage
					From	To	From	To				
Day A	CGCTH 74-2	90°		PAWL	1118	1142			24	24		
Aft B	CGCTH 74-2	90°		PAWL	1142	1163			21	21		
Nite C	CGCTH 74-2	90°		PAWL								

Hourly Distribution				Supplies Consumed			
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day Aft. Nite
Handling Rod (change bit)	8	8	11:07	Portland			
Overburden - rock bit				Lumnite			
Collaring Hole - Dia. bit				Calseal			
Rotary Drilling				Mud	50#	NOVA	11 14
Handling Rod (bit)				Mud	100#		
Rock Bit - Overburden				Other (Describe)			
Reaming (to)							
Casing - Placing							
- Pulling							
Delays - Client Acct.							
Cementing - Handling Rods							
- Prep Hole & Grout							
- Setting							
- Drilling							
Moving - Hole to Hole							
Rigging Up - Rigging Down							
Mix Mud							
Condition Hole, Lost Circulation							
Surveying, Inclination Test							
Mobilization/Demobilization							
Other (Explain)							
Pump Rod to Roduc							
Total Hours	9	8	8				
Driller's Initials	WJL	RL	GH				

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	ILR HAH	8	L Barry	8	F Loder	8
B	R. Lovejoy	8	D. Ferguson	8	W. Sherman	8
C	C Anderson	8	W. Bizer	8	L Jenkins	8

Remarks: Pumped Fresh Mud down Hole As we Pulled Rods off. 3 water hauler shifts to P. R. King

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract CHINA LAKE Date: 8 24 87 Drill HD500 13354 1335L
 Location COSO CALIFORNIA Foreman's Signature: [Signature]

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Re-covered	Size	Footage
					From	To	From	To				
Day A	<u>CGC TH 74-2</u>	<u>90</u>		<u>PQWL 1078</u>								
Aft B	<u>CGC TH 74-2</u>	<u>90</u>		<u>PQWL 1078</u>	<u>1078</u>	<u>1097</u>			<u>19</u>	<u>18</u>		
Nite C	<u>CGC TH 74-2</u>	<u>90</u>			<u>1097</u>	<u>1118</u>			<u>21</u>	<u>21</u>		

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
					Description	Size	Product Name	Day	Aft.	Nite
Core Drilling			8	8				Number of Units		
Handling Rod (change bit)		1			Portland					
Overburden - rock bit					Lumnite					
Collaring Hole - Dia. bit					Calseal					
Rotary Drilling					Mud	50#	N/O/A	10	11	15
Handling Rod (bit)					Mud	100#				
Rock Bit - Overburden					Other (Describe)					
Reaming (to)					CMC	50#		1		1
Casing — Placing					Polly Coc L		Sgt		1	
— Pulling										
Delays - Client Acct.										

Cementing - Handling Rods					OTHER				
- Prep Hole & Grout					Water hauling	<u>126</u> miles	<u>7</u> loads		
- Setting					Core boxes:		size/		no.
- Drilling					Length of waterline:				
Moving - Hole to Hole					Lost tools: Description				
Rigging Up - Rigging Down									
Mix Mud									
Condition Hole, Lost Circulation					Lost bits: Size		Serial no.		
Surveying, Inclination Test					Depth:		ft. Hole #		
Mobilization/Demobilization					Casing lost or left in hole: Size		ft.		
Other (Explain)					for Client		Hole #		
<u>Drilling Casing To Bottom of Hole</u>					Longco		Hole #		
Total Hours		<u>4</u>	<u>8</u>	<u>8</u>	Bit changes:	Size	Serial #	Depth	
Driller's Initials		<u>HAL</u>	<u>RL</u>	<u>CH</u>	(Include first bit in hole)				

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>R. P. Hall</u>	<u>8</u>	<u>L. Barry</u>	<u>8</u>	<u>D. Altman</u>	<u>8</u>
B	<u>R. Loveloy</u>	<u>8</u>	<u>D. Ferguson</u>	<u>8</u>	<u>W. Shellman</u>	<u>8</u>
C	<u>C. Anderson</u>	<u>8</u>	<u>W. Bigler</u>	<u>8</u>	<u>L. Jenkins</u>	<u>8</u>

Remarks: 7 hr. Day Work - Due L. Line.
3 Shifts Water Hauling.
B.P. Bishop

NOTE: If item is chargeable to client, place circle around time entry. Please follow instructions on reverse side.