

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 21 1985 Drill 34 skid drill 704 1
 Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	901-3	118°		HQ	20	60			40	40		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
							Day	Aft.	Nite	
Core Drilling				Description			Number of Units			
Handling Rod (change bit)				Size			Product Name			
Overburden - rock bit				Portland						
Collaring Hole - Dia. bit				Lumnite						
Rotary Drilling				Calseal						
Handling Rod (bit)				Mud			50#			
				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)										
Moving Rods										
Total Hours										
Driller's Initials										

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 20 19 85 Drill 34" oil drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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	901-3	+18°		HA	0	20			20	20		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite
Core Drilling	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	3			
Mix Mud				
Condition Hole, Lost Circulation				
Surveying, Inclination Test				
Mobilization/Demobilization				
Other (Explain)				
Total Hours	8			
Driller's Initials	GRK			

Supplies Consumed			Day	Aft.	Nite
Description	Size	Product Name	Number of Units		
Portland					
Lumnite					
Calseal					
Mud	50#				
Mud	100#				
Other (Describe)					
				</	

OTHER			
Water hauling	miles		loads
Core boxes:	size/	HA	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)	HA	L73374	30 REAMER
	HA	L83380	30 BIT

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: 677

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CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
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- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
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"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 19 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B. Hayslip

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	901-3	+18		HQ								
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite
Core Drilling				
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		8		
Rigging Up Rigging Down				
Mix Mud				
Condition Hole, Lost Circulation				
Surveying, Inclination Test				
Mobilization/Demobilization				
Other (Explain)				

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"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 18 1985 Drill 74 steel drill 704 1
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Jerome, Ariz. Foreman's Signature: _____

Shift	Hole No.	Angle	Material Drilled	Bit Size & Type	Footage Summary				Feet		Total Casing in Hole	
					Drilling		Reaming		Drilled or Reamed	Core Recovered	in Hole	
					From	To	From	To			Size	Footage
Day A	901-3	+18°		IAG								
Aft B												
Nite C												

Hourly Distribution	Day	Aft.	Nite
Core Drilling			
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	8		
Mix Mud			
Condition Hole, Lost Circulation			
Surveying, Inclination Test			
Mobilization/Demobilization			
Other (Explain)			
Total Hours	8		
Driller's Initials	JRM		

Supplies Consumed

Description	Size	Product Name	Day	Aft.	Nite
Portland			Number of Units		
Lumnite					
Calseal					
Mud	50#				
Mud	100#				
Other (Describe)					

OTHER

Water hauling _____ miles _____ 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	J.R. HAYSlip	8	W.R. Mills	8		
B						
C						

Remarks: MACHINE ~~is~~ Set up Ready to BLOCK Dyeing

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CLIENT

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General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 9 1985 Drill 34 skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayship

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
Day A	<u>1104-3-110</u>		<u>Chert</u>	<u>NA</u>	<u>300</u>	<u>314</u>			<u>14</u>	<u>141</u>		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day			Aft.			
				Nite			Product Name			
							Size			
							Description			
Core Drilling										
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours										
Driller's Initials										

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>J.R. HAYSHIP</u>	<u>8</u>	<u>W.R. MILLS</u>	<u>8</u>		
B						
C						

Remarks: 677

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- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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"DAILY DRILL REPORT"

Contract: Budge H.G. Date: 11 8 1985 Drill 34 Skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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	1104-3	41°	Choke	NA	284	300			16	16		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	6			Portland						
Handling Rod (change bit)	1			Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden				Mud	5gal	E2 Mud				
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	1									
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: 277 284 15

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- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 7 1985 Drill 34" skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	1104-3	-11°	chert	NA	269	284			15	15		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				6			Product			
Handling Rod (change bit)				1			Description			
Overburden - rock bit							Size			
Collaring Hole - Dia. bit							Name			
Rotary Drilling							Number of Units			
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				1						
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: LOST WATER RETURN DRILLED INTO SERIES OF VOIDS 269-275 HAD TO
PULL RODS AND GRIPS THEM TO STOP CHATTER
677

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
 - Handling Rods:** Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
 - Bit Change:** Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
 - Overburden-Rock Bit:** Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
 - Handling Rods:** Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
 - Bit Change:** Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**) List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 6 1985 Drill 34 skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz. Foreman's Signature: Jack B Hayslip

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	1104-3	11°	Chert	NA	250	269			19	18		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	6			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)						
Reaming (to)										
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout				Water hauling	miles					loads
- Setting				Core boxes:	2	size/ NA				no.
- Drilling				Length of waterline:						
Moving - Hole to Hole				Lost tools: Description						
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation	1			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 #				
				Longco		Hole #				
				Bit changes: Size		Serial #				Depth
				(Include	NA	L93910				250'
				first bit						
				in hole)	NA	L90844				269'
Total Hours	8									
Driller's Initials	GRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks:

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CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
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- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 5 1985 Drill 34 skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome Ariz. Foreman's 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
Day A	<u>1104-3-11</u>	<u>11°</u>	<u>CR 2 1/2"</u>	<u>NG</u>	<u>232</u>	<u>250</u>			<u>18</u>	<u>18</u>		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
							Day	Aft.	Nite	
Core Drilling		<u>6</u>		Description	Size	Product Name	Number of Units			
Handling Rod (change bit)		<u>1</u>		Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)						
Reaming (to)				<u>DRILL MOD</u>	<u>50#</u>	<u>Dextrid</u>				
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods				OTHER						
- Prep Hole & Grout				Water hauling	miles					
- Setting				Core boxes:	<u>NG</u>	size/ <u>2</u>				
- Drilling				Length of waterline:						
Moving - Hole to Hole				Lost tools: Description						
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation		<u>1</u>		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 #				
				Longco		Hole #				
				Bit changes: Size		Serial #				
				(Include	<u>NO</u>	<u>L94426</u>				
				first bit		<u>236'</u>				
				in hole)						
Total Hours		<u>8</u>								
Driller's Initials		<u>GR/16</u>								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	<u>J.R. HAYS/1P</u>	<u>8</u>	<u>W.R. Mills</u>	<u>8</u>		
B						
C						

Remarks: _____

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CLIENT

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 4 1985 Drill 34" skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	1104-3	11°	Chert	NG	205	232			27	23		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite
Core Drilling	7			
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				
Surveying, Inclination Test				
Mobilization/Demobilization				
Other (Explain)				

INSTRUCTIONS

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- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 11 2 1985 Drill: 34 skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	1104-3	11°		NB	157	205			48	46		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	7			Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	7									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	JR. Hayslip	1	WR. Mills	1		
B						
C						

Remarks:

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CLIENT

INSTRUCTIONS

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- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
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- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 11 1 1985 Drill 34 skid drill 704 1
 Location: Jerome, Ariz. Foreman's Signature: Jack B Hayship

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	1104-3	+11°		NA	105	157			52	52		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
							Day	Aft.	Nite	
				Description	Size	Product Name	Number of Units			
Core Drilling				Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden										
Reaming (to)										
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout				Water hauling	miles					
- Setting				Core boxes:	size/					
- 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 #					
				Longco	Hole #					
				Bit changes: Size	Serial #	Depth				
				(Include						
				first bit						
				in hole)						
Total Hours										
Driller's Initials										

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSHIP	8	W.R. MILLS	8		
B						
C						

Remarks: 677

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 10 31 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack B. Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-3	11°		NG	53	105			52	52		
Aft B												
Nite C												

Hourly Distribution	Day	Aft.	Nite	Supplies Consumed					
Core Drilling	8			Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)				Portland			Number of Units		
Overburden - rock bit				Lumnite					
Collaring Hole - Dia. bit				Calseal					
Rotary Drilling				Mud	50#				
Handling Rod (bit)				Mud	100#				
				Other (Describe)					
Rock Bit - Overburden				oil	5gal	Rockdallor			
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)									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSLIP	8	W.R. MILLS	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 30 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B. Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-3	+11°		NG	3	53			50	42		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	8			Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

OTHER
 Water hauling _____ miles _____ 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 NG L90597 3' BIT
 first bit NG L90411 1' REAMER
 in hole)

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
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THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

"DAILY DRILL REPORT"

Remarks: Pulled 585' casing out of Hole # 1104-2
677

CLIENT

INSTRUCTIONS

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- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 28 1985 Drill 34" bit drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: _____
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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		115°	1104-2 END OF HOLE	ABA BA	723	730			7	3	NG	585
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed				
						Product		
						Name	Day	Aft. Nite
							Number of Units	
Core Drilling						Description	Size	
Handling Rod (change bit)						Portland		
Overburden - rock bit						Lumnite		
Collaring Hole - Dia. bit						Calseal		
Rotary Drilling						Mud	50#	
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)								
PULLING START & PULLING CASING								
Total Hours								
Driller's Initials								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLIS	8		
B						
C						

Remarks: _____

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 26 85 Drill: 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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
Day A	1104-2	+15°	chert	BQ	711	723			12	8		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				6			Product Name			
Handling Rod (change bit)							Description Size			
Overburden - rock bit							Number of Units			
Collaring Hole - Dia. bit										
Rotary Drilling										
Handling Rod (bit)										
Rock Bit - Overburden										
Reaming (to)				2						
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)										
BIT INVENTORY				1						
Total Hours				9						
Driller's Initials				JR/16						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	9	W.R. Mills	8		
B						
C						

Remarks:

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CLIENT

INSTRUCTIONS

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Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 10 25 1985 Drill 34 skid drill / 404 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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	1104-2	45°	Chert	BG	705	711			6	4		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed			

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 24 1985 Drill 34 inch drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B Hayslip

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	11042	15°		BQ	678	705			27	27		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	7			Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden				OIL	59AL	Rock Drill Core				
Reaming (to)				Mud	59AL	EZ Mud				
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	1									
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	JR. HAYSIP	8	W.R. Mills	8		
B						
C						

Remarks: 877

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 23 1985 Drill 34 skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack R Hayship

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	11042	45°	Chert	BQ	652	678			26	26		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	6			Portland						
Handling Rod (change bit)	1			Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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	1									
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	24.70									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayship	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 22 1985 Drill 34" bit drill / 70 4 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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
Day A	11042	45°	Chert	BG	635	652			17	17		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
Core Drilling		07			Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)					Portland			Number of Units		
Overburden - rock bit					Lumnite					
Collaring Hole - Dia. bit					Calseal					
Rotary Drilling					Mud	50#				
Handling Rod (bit)					Mud	100#				
Rock Bit - Overburden					Other (Describe)					
Reaming (to)										
Casing — Placing										
— Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout					Water hauling	miles		loads		
- Setting					Core boxes:	2	size/ BG	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 #			
Moving Rods From Surface to drill site		1			Longco		Hole #			
Total Hours		8			Bit changes:	Size	Serial #	Depth		
Driller's Initials		JR/H			(Include first bit in hole)					

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	JR. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 21 1985 Drill: 34" skid drill / 7.4 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	1104-2	15°	choct	BG	628	635			7	7		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day			Aft.			
				Nite			Product Name			
							Number of Units			
Core Drilling				5						
Handling Rod (change bit)				3						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours				8						
Driller's Initials				JR/16						

Supplies Consumed									
Description			Size	Product Name			Day	Aft.	Nite
							Number of Units		
Portland									
Lumnite									
Calseal									
Mud			50#						
Mud			100#						
Other (Describe)									

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G Date: 10 19 1985 Drill 34" bit drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B Hayslip

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
Day A	1104-2	45°	Chert	BG	615	628			13	13		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	8			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)		5 gal Hyd Oil				
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)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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CLIENT

INSTRUCTIONS

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Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 18 1985 Drill 34" bit drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B. Hayslip

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	1104-2	45°	chert	DBQ	603	615			12	10		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
Core Drilling		6 2			Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)			Number of Units							
Overburden - rock bit										
Collaring Hole - Dia. bit					Lumnite <td></td> <td></td> <td></td> <td></td> <td></td>					
Rotary Drilling					Calseal <td></td> <td></td> <td></td> <td></td> <td></td>					
Handling Rod (bit)					Mud <td>50#</td> <td></td> <td></td> <td></td> <td></td>	50#				
					Mud <td>100#</td> <td></td> <td></td> <td></td> <td></td>	100#				
Rock Bit - Overburden					Other (Describe)					
Reaming (to)										
Casing — Placing										
— Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout					Water hauling	miles				
- Setting					Core boxes:	1	size/	BQ		
- 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 #			
					Longco		Hole #			
					Bit changes:	Size	Serial #	Depth		
					(Include	BQ	L88903	613		
					first bit					
					in hole)					
Total Hours		8								
Driller's Initials		JRH								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Bridge U.G. Date: 10 17 1985 Drill 34 skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack R. Hayslip

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	1104-2	115°	Chert	593	593	603			10	7		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Day	Aft.	Nite		Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling				Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSLIP	8	W.R. M.H.S.	8		
B						
C						

Remarks: 627

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.S. Date: 10 16 1985 Drill 34" bit drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B. Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-2	45°	Chert	BB	588	593			5	5		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
							Day	Aft.	Nite	
				Description	Size	Product Name	Number of Units			
Core Drilling				Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
AIR GUN SHAFT										
Total Hours										
Driller's Initials										

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: BENT AIR GUN SHAFT TOOK IT TO MACHINE SHOP IN COTTONWOOD
AN HAD IT STRAIGHTEN.
RODS HUNG IN CEMENT HAD TO PULL RODS AN
PULLING TO GET THEM OUT

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY – LIST NEATLY – LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 15 1985 Drill 34 steel drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R Haystack
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-2	416°	CHERT	BQ	585	588			3	3		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	6			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
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)										
Drilling Thru	2									
N Rods to										
Roduc to BQ										
Total Hours	8									
Driller's Initials	JR/10									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSTACK	8	W.R. HAYS	8		
B						
C						

Remarks: had to drill thru NG Rods to get to Bottom some of 14 rods
CAMO UNSCROWED Rods AN CASING ON WAY OUT 5' IN TUBE
677

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

CLIENT

INSTRUCTIONS

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Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 14 1985 Drill: 34 skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack B Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-2	45°	Chert	BG	585	615			30			
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Product			Day	Aft.	Nite	
				Description	Size	Name	Number of Units			
Core Drilling				Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours										
Driller's Initials										

OTHER
 Water hauling _____ miles _____ 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' _____ Bit _____
 (Include BG L97192 585 Bit
 first bit BG L 8119 585 shell
 in hole)

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: Reduced to BG
677

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

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
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Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 12 1985 Drill 34 skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack B. Hayslip

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	1104-2	45°	Chert	NA	577	585			8	8		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				6			Product			
Handling Rod (change bit)							Description			
Overburden - rock bit							Size			
Collaring Hole - Dia. bit							Name			
Rotary Drilling							Number of Units			
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				2						
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip		W.R. Mills			
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 11 1985 Drill 34 skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Jerome, Ariz. Foreman's Signature: Jack B. Benson

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	1104-2	45°	Chert	NQ	569	577			8	8					
Aft B															
Nite C															
Hourly Distribution					Day	Aft.	Nite	Supplies Consumed							
Core Drilling					6			Description	Size	Product Name	Day	Aft.	Nite		
Handling Rod (change bit)											Number of Units				
Overburden - rock bit								Portland							
Collaring Hole - Dia. bit								Lumnite							
Rotary Drilling								Calseal							
Handling Rod (bit)								Mud	50#						
								Mud	100#						
Rock Bit - Overburden								Other (Describe)							
Reaming (to)								GAURGUM	50	DRILLMUL					
Casing - Placing								SALT	100#						
- Pulling															
Delays - Client Acct.															
Cementing - Handling Rods								OTHER							
- Prep Hole & Grout								Water hauling	_____ miles	_____ 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					2			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 # _____						
								Longco _____	Hole # _____						
								Bit changes: Size _____	Serial # _____	Depth _____					
								(Include _____							
								first bit _____							
								in hole) _____							
Total Hours					8										
Driller's Initials					JA/16										
Shift	DRILLERS				Hrs.	HELPERS				Hrs.	TRUCK DRIVERS				Hrs.
A	J.R. HAYSIP				8	W.R. MILLIS				8					
B															
C															
Remarks:															

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 10 1985 Drill 34" skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack B Hayslip

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
Day A	1104-2	+15°		NG	557	569			12	9		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Product			Day	Aft.	Nite	
Core Drilling	4			Description	Size	Name	Number of Units			
Handling Rod (change bit)	3			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)						
Reaming (to)				SALT	50#	PHLORIBO				
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods				OTHER						
- Prep Hole & Grout				Water hauling	miles		loads			
- Setting				Core boxes:	size/	NG	no.			
- Drilling				Length of waterline:						
Moving - Hole to Hole				Lost tools: Description						
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation	1			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 #				
				Longco		Hole #				
				Bit changes: Size		Serial #				
				(Include	NG	L83798	569	BIT		
				first bit						
				in hole)	NG	L90410	569	SHALL		
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLIS	8		
B						
C						

Remarks: Rods pulled loose at joint had to go back in and fish out. AFTER CIRCULATING mud throw hole to clean it out.

JRH

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 9 1985 Drill 34 skid drill 704 1
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	45°	Chert	NA	542	557			15	11		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed			
				Product			
				Description			
				Size			
				Name			
				Number of Units			
				Day			
				Aft.			
				Nite			
Core Drilling				7			
Handling Rod (change bit)				1			
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							
Surveying, Inclination Test							
Mobilization/Demobilization							
Other (Explain)							
Total Hours				8			
Driller's Initials				JRH			

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 8 19 85 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Josh R. Hayslip

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
Day A	1104-2	45°	Chert Very hard	NA	From 536	To 542			6	6		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	4			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
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)										
Total Hours	8									
Driller's Initials	GR/6									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: had to pull rods 3 times

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

CLIENT

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 7 19 85 Drill 34 skid drill 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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	1104-2	415°	Broken Chert	NG	523	536			13	13		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	4			Portland						
Overburden - rock bit	2			Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
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	1									
Surveying, Inclination Test	1									
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

OTHER
 Water hauling _____ miles _____ loads
 Core boxes: 2 size/ NA 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 NA L86770 523
 first bit NA 87325 534
 in hole)

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYS/1 P	8	W.R. Mills	8		
B						
C						

Remarks: PULLED BACK TO 500' TO SURVEY HAD TO DRILL BACK TO BOTTOM
MB

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 5 1985 Drill 340kidrill/ 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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
Day A	1104-2	45°		NQ	From 484	To 523			39	37		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				8			Product			
Handling Rod (change bit)							Description Size Name			
Overburden - rock bit							Number of Units			
Collaring Hole - Dia. bit										
Rotary Drilling										
Handling Rod (bit)										
Rock Bit - Overburden										
Reaming (to)										
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods							OTHER			
- Prep Hole & Grout							Water hauling miles 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 #			
							Longco Hole #			
							Bit changes: Size Serial # Depth			
							(Include			
							first bit			
							in hole)			
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: J. J. H.

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 4 1985 Drill 34" bit drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayship

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	1104-2	+6°		NA	446	484			38	38		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
Core Drilling					Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)								Number of Units		
Overburden - rock bit					Portland					
Collaring Hole - Dia. bit					Lumnite					
Rotary Drilling					Calseal					
Handling Rod (bit)					Mud	50#				
					Mud	100#				
Rock Bit - Overburden					Other (Describe)					
Reaming (to)					OIL	5 GAL	30 WT.			
Casing — Placing						50H	CAVR GUM			
— Pulling										
Delays - Client Acct.					MOD	50H	DOLTRH			
Cementing - Handling Rods					OTHER					
- Prep Hole & Grout					Water hauling _____ miles _____ loads					
- Setting					Core boxes: <u>4</u> size/ <u>NO</u> no.					
- Drilling					Length of waterline: _____					
Moving - Hole to Hole					Lost tools: Description _____					
Rigging Up - Rigging Down					_____					
Mix Mud					Lost bits: Size _____ Serial no. _____					
Condition Hole, Lost Circulation					Depth: _____ ft. Hole # _____					
Surveying, Inclination Test					Casing lost or left in hole: Size _____ ft.					
Mobilization/Demobilization					for Client _____ Hole # _____					
Other (Explain)					Longco _____ Hole # _____					
					Bit changes: Size Serial # Depth					
					(Include _____					
					first bit _____					
					in hole) _____					
Total Hours					_____					
Driller's Initials					_____					

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 10 3 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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
Day A	1104-2	+15°	SOFT FAULT	NG	410	446			36	36		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	7			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#					
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)						
Reaming (to)				SALT	100#	POT Chloride				
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout				Water hauling		miles				loads
- Setting				Core boxes:	4	size/	NG			no.
- Drilling				Length of waterline:						
Moving - Hole to Hole				Lost tools: Description						
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation	1			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 #				
				Longco		Hole #				
				Bit changes: Size		Serial #				Depth
				(Include						
				first bit						
				in hole)						
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
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LIST ACCURATELY – LIST NEATLY – LIST LEGIBLY!

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 10 1 1985 Drill 34" skid drill 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Jerome, Ariz Foreman's Signature: Jack R. Hayslip

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	1104-2	+15°		NA	346	389			38	38		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				8			Product			
Handling Rod (change bit)							Description			
Overburden - rock bit							Size			
Collaring Hole - Dia. bit							Name			
Rotary Drilling							Number of Units			
Handling Rod (bit)							Day			
Rock Bit - Overburden							Aft.			
Reaming (to)							Nite			
Casing - Placing							Description			
- Pulling							Size			
Delays - Client Acct.							Name			
Cementing - Handling Rods							OTHER			
- Prep Hole & Grout							Water hauling			
- Setting							Core boxes: 4 size/ NA no.			
- Drilling							Length of waterline:			
Moving - Hole to Hole							Lost tools: Description			
Rigging Up - Rigging Down							Lost bits: Size Serial no.			
Mix Mud							Depth: ft. Hole #			
Condition Hole, Lost Circulation							Casing lost or left in hole: Size ft.			
Surveying, Inclination Test							for Client Hole #			
Mobilization/Demobilization							Longco Hole #			
Other (Explain)							Bit changes: Size Serial # Depth			
							(Include first bit in hole)			
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSLIP	8	W.R. MILLS	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

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Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
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- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 30 19 85 Drill 34skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz. Foreman's Signature: Jack B. Hayslip

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	1104-2	15°	Chert	NG	337	346			9	9		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	3			Portland						
Handling Rod (change bit)	1			Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden										
Reaming (to)										
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods	4									
- 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	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. Mills	8		
B						
C						

Remarks: Cementing, Helped cement hole # 901-1 01/06 drill
JRH

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 9 28 1985 Drill 34skid drill / 904 /
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Jerome, Ariz Foreman's Signature: Jack R. Hayslip

[illegible]

Hourly Distribution	Day	Aft.	Nite	Supplies Consumed					
Core Drilling	7			Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)				Portland			Number of Units		
Overburden - rock bit				Lumnite					
Collaring Hole - Dia. bit				Calseal					
Rotary Drilling				Mud	50#				
Handling Rod (bit)				Mud	100#				
Rock Bit - Overburden				Other (Describe)					
Reaming (to)									
Casing — Placing									
— Pulling									
Delays - Client Acct.									
Cementing - Handling Rods									
- Prep Hole & Grout				Water hauling	miles				
- Setting				Core boxes:	size/				
- 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 #			
				Longco		Hole #			
				Bit changes:	Size	Serial #	Depth		
				(Include					
				first bit					
				in hole)					
Total Hours	8								
Driller's Initials	GRK								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY
Contracting Division
General Office
Minneapolis, Minnesota 55414

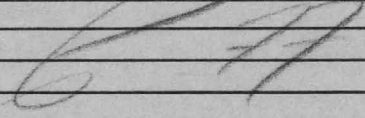
"DAILY DRILL REPORT"

Contract: Budge 11.6. Date: 9 27 1985 Drill 34skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.
Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	45°	Chert	NA	307	322			15	15		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite	Description	Size	Product Name	Number of Units
Core Drilling				7			Portland			
Handling Rod (change bit)				1			Lumnite			
Overburden - rock bit							Calseal			
Collaring Hole - Dia. bit							Mud	50#		
Rotary Drilling							Mud	100#		
Handling Rod (bit)							Other (Describe)			
Rock Bit - Overburden							Mud	59AL	EZ Mud	1
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)										
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.B. Mills	8		
B						
C						

Remarks: 

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 26 1985 Drill 34skid drill / 1704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	115°	Quartz Chert	NG	295	307			12	12		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				6			Product			
Handling Rod (change bit)							Description			
Overburden - rock bit							Size			
Collaring Hole - Dia. bit							Name			
Rotary Drilling							Number of Units			
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				1						
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Hooking up Bigger				1						
New Manifold										
Total Hours				8						
Driller's Initials				JR/16						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	JR. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: 277

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge 4.6. Date: 9 25 1985 Drill 34skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	415°	drilled into rock at 291-292	NQ	275	295			20	20		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite
Core Drilling		6		
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		1		
Surveying, Inclination Test				
Mobilization/Demobilization				
Other (Explain)				
Total Hours		8		
Driller's Initials		JR/16		

Supplies Consumed			Day	Aft.	Nite
Description	Size	Product Name	Number of Units		
Portland					
Lumnite					
Calseal					
Mud	50#				
Mud	100#				
Other (Describe)					

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Bridge U.G. Date: 9 24 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-2	45°		NB	245	275			30	30		
Aft B												
Nite C												

Hourly Distribution			Day	Aft.	Nite	Supplies Consumed			Day	Aft.	Nite
Core Drilling			8			Description			Number of Units		
Handling Rod (change bit)						Product Name					
Overburden - rock bit						Size					
Collaring Hole - Dia. bit						Portland					
Rotary Drilling						Lumnite					
Handling Rod (bit)						Calseal					
Rock Bit - Overburden						Mud					
Reaming (to)						Mud					
Casing - Placing						Other (Describe)					
- 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)											
Total Hours			8								
Driller's Initials			JR/16								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. - MILLS	8		
B						
C						

Remarks: 677

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

CLIENT

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 23 1985 Drill 31 skidchill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack R Haylep

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
Day A	11042	415°	QUARTZ Chert	NA	225	245			20	17		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite	Product	Day	Aft.	Nite
							Description	Number of Units		
							Size			
							Name			
Core Drilling				7						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours				8						
Driller's Initials				JRH						

OTHER

Water hauling _____ miles _____ loads

Core boxes: 1 size/ NA 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 NA L86803 245 BIT

first bit NA L70713 245 SHELL

in hole) _____

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSEP	8	W.R. MILLS	8		
B						
C						

Remarks: _____

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 21 1985 Drill 34skidhill/ 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	+15°		NA	203	225			22	20		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	1			Portland						
Handling Rod (change bit)	1			Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: 677

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
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- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 20 1985 Drill 34 inch drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	45°	BAL CAVE 195-203	NQ	165	203			38	34		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Day	Aft.	Nite		Description	Size	Product Name	Day	Aft.	Nite	Number of Units
			Core Drilling							
			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							
			Surveying, Inclination Test							
			Mobilization/Demobilization							
			Other (Explain)							
			Total Hours							
			Driller's Initials							

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. Mills	8		
B						
C						

Remarks: 577

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 19 85 Drill 34 skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	15°	Soft Rock Rock	NG	108	165			57	57		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed						
Core Drilling		8			Description	Size	Product Name	Day	Aft.	Nite	
Handling Rod (change bit)			Number of Units								
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											
Surveying, Inclination Test											
Mobilization/Demobilization											
Other (Explain)											
Total Hours		8									
Driller's Initials		JRH									
					OTHER						
					Water hauling	_____	miles	_____	_____	_____	
					Core boxes:	6	size/	100	_____	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	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks: 677

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
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- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 18 1985 Drill 34 skiddill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	115°		NA	55	108			53	53		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed					
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite
Core Drilling	8			Portland			Number of Units		
Handling Rod (change bit)				Lumnite					
Overburden - rock bit				Calseal					
Collaring Hole - Dia. bit				Mud	50#				
Rotary Drilling				Mud	100#				
Handling Rod (bit)				Other (Describe)		5 gal Hyd oil			
Rock Bit - Overburden									
Reaming (to)									
Casing — Placing									
— Pulling									
Delays - Client Acct.									
Cementing - Handling Rods									
- Prep Hole & Grout				Water hauling	miles				loads
- Setting				Core boxes:	5	size/ NA			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 #			
				Longco		Hole #			
				Bit changes: Size		Serial #			Depth
				(Include	NA	L83829			88
				first bit					
				in hole)					
Total Hours	8								
Driller's Initials	JRH								

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. Hayslip	8	W.R. Mills	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
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- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
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- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
 Other:) List appropriately.
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LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 17 1985 Drill 34 Skid drill / 704 /
 MONTH DAY TYPE DRILL NO. TRUCK NO.
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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	1104-2	115°		NA	0	55			55	55		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				8			Description	Size	Product Name	Day Aft. Nite Number of Units
Handling Rod (change bit)										
Overburden - rock bit							Portland			
Collaring Hole - Dia. bit							Lumnite			
Rotary Drilling							Calseal			
Handling Rod (bit)							Mud	50#		
							Mud	100#		
Rock Bit - Overburden							Other (Describe)			
Reaming (to)										
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods							OTHER			
- Prep Hole & Grout							Water hauling	miles	loads	
- Setting							Core boxes:	5 size/	NA 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 #		
							Longco	Hole #		
							Bit changes:	Size	Serial #	Depth
							(Include	NA	L83826	10'
							first bit			
							in hole)			
Total Hours				8						
Driller's Initials				JRH						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**
 Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 16 1985 Drill 34 skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz Foreman's Signature: Jack B. Hayship

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
Day A	1104-1	45°		NG	567	Bottom						
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
Core Drilling					Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)								Number of Units		
Overburden - rock bit					Portland					
Collaring Hole - Dia. bit					Lumnite					
Rotary Drilling					Calseal					
Handling Rod (bit)					Mud	50#				
					Mud	100#				
Rock Bit - Overburden					Other (Describe)					
Reaming (to)										
Casing - Placing										
Pulling		2								
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout										
- Setting										
- Drilling										
Moving - Hole to Hole		2								
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation										
Surveying, Inclination Test		2								
Mobilization/Demobilization										
Other (Explain)										
Moving H Rods to SURFACE		2								
Total Hours		8								
Driller's Initials		8								
					OTHER					
					Water hauling	miles		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	J.R. HAYSHIP	8	W.R. MILLS	8		
B						
C						

Remarks: 677

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**) List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 14 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip

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
Day A	1140-1	45°		NG	From 501	To 567			46	32		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Day	Aft.	Nite		Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	6			Portland						
Handling Rod (change bit)				Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#					
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden				Drill Mud	59#L	EZ Mud	1			
Reaming (to)				SALT	100#	P.T. Chloride				
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	2									
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours	8									
Driller's Initials	JRH									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: 5 FF

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

CLIENT

INSTRUCTIONS

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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.S. Date: 9 13 1985 Drill 34 skid drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack R Hayslip
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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
Day A	1104-1	45°	HIT SMALL VOIDS 484-490 LOST WATER RETURN	NG	481	521			40	35		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
Core Drilling	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Handling Rod (change bit)	7			Portland						
Overburden - rock bit				Lumnite						
Collaring Hole - Dia. bit				Calseal						
Rotary Drilling				Mud	50#	DextRid	1			
Handling Rod (bit)				Mud	100#					
Rock Bit - Overburden				Other (Describe)						
Reaming (to)				GREASE	120#	ROD GREASE	1			
Casing - Placing										
- Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout				Water hauling		miles				loads
- Setting				Core boxes:	3	size/	NG			no.
- Drilling				Length of waterline:						
Moving - Hole to Hole				Lost tools: Description						
Rigging Up - Rigging Down										
Mix Mud										
Condition Hole, Lost Circulation	1			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 #				
				Longco		Hole #				
				Bit changes: Size		Serial #				Depth
				(Include						
				first bit						
				in hole)						
Total Hours	8									
Driller's Initials	GRY									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLIS	8		
B						
C						

Remarks: Hole conditioning involved greasing rods, to stop rod chatter after we lost water return
6/7/85

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
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Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
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- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budger U.G. Date: 9 12 1985 Drill 340skid drill / 704 /
 Location: Jerome Ariz Foreman's Signature: _____
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-1 +			NQ	434	481			47	45		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
				Day	Aft.	Nite				
Core Drilling				8			Product			
Handling Rod (change bit)							Description			
Overburden - rock bit							Size			
Collaring Hole - Dia. bit							Name			
Rotary Drilling							Number of Units			
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										
Surveying, Inclination Test										
Mobilization/Demobilization										
Other (Explain)										
Total Hours				8						
Driller's Initials				GR/16						

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: _____

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
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- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)** List appropriately.
Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge H.G. Date: 9 11 1985 Drill 34 inch drill / 704 /
 Location: Jerome, Ariz Foreman's Signature: Jack B. Hayship
 MONTH DAY TYPE DRILL NO. TRUCK NO.

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	1104-1	45°	QUARTZ Chert ROCK SOFTEN UP AT 417	NQ	404	434			30	30		
Aft B												
Nite C												

Hourly Distribution		Day	Aft.	Nite	Supplies Consumed					
Core Drilling		6			Description	Size	Product Name	Day	Aft.	Nite
Handling Rod (change bit)		2						Number of Units		
Overburden - rock bit					Portland					
Collaring Hole - Dia. bit					Lumnite					
Rotary Drilling					Calseal					
Handling Rod (bit)					Mud	50#				
					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)										
Total Hours		8								
Driller's Initials		JRK								
					OTHER					
					Water hauling	miles		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	NG	L83828	404		
					first bit	NG	L83827	416		
					in hole)					

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSHIP	8	W.R. MILLS	8		
B						
C						

Remarks:

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mismatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:**) List appropriately.
 Other:)
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

THE FEW MINUTES YOU SPEND TO ACCURATELY RECORD YOUR SHIFTS ACTIVITY IS A VITAL AND REQUIRED FUNCTION OF YOUR JOB.

LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 12 19 85 Drill 34 Skid drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz. Foreman's Signature: Jack R. Hayslip

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	1104-1	+5°		NA	385	404			19	19		
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed						
	Day	Aft.	Nite	Description	Size	Product Name	Day	Aft.	Nite	Number of Units
Core Drilling	06			Portland						
Handling Rod (change bit)	2			Lumnite						
Overburden - rock bit				Calseal						
Collaring Hole - Dia. bit				Mud	50#	SALT	1			
Rotary Drilling				Mud	100#					
Handling Rod (bit)				Other (Describe)						
Rock Bit - Overburden										
Reaming (to)										
Casing — Placing										
— Pulling										
Delays - Client Acct.										
Cementing - Handling Rods										
- Prep Hole & Grout				Water hauling	miles					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 #				
				Longco		Hole #				
				Bit changes:	Size	Serial #	Depth			
				(Include	NA	L80745	385			
				first bit	NA	L86800	392			
				in hole)						
Total Hours	8									
Driller's Initials	JR/16									

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: 6-77

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

CLIENT

INSTRUCTIONS

- a. **CORE DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, mislatch, stuck tube, etc. This will also include last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
Overburden-Rock Bit: Show the time spent drilling through the overburden with a rock bit and employing a diamond core drill.
- b. **ROTARY DRILLING:** Show all time actually spent in drilling activity except time spent handling rods and changing bit.
Handling Rods: Show time spent in tripping rods for bit change, stuck tube, etc. This will also include the last trip out of hole upon completion.
Bit Change: Show time spent in changing bit. This time shall include the time spent in handling the rods to effect the bit change.
- c. **Reaming:** Show size of hole such as "B to N", etc. Time shown should include actual reaming time plus rod handling time in and out of the hole before and after reaming.
- d. **Casing:** Show time spent placing or pulling casing. List size of casing and total footage involved in box located in upper right corner.
- e. **Delays—Client Acct.:** Delays incurred as result of suspension of activity caused directly or indirectly by client should be properly recorded in this category as well as fully explained in remarks section. Delays for Longyear Acct. should be reported and explained under remarks section.
- f. **Cementing Activity:** Time spent performing this activity should be properly listed in appropriate category.
- g. **Moving:** This covers time spent when moving between holes or area to area. If unusual, explain operation more completely under remarks section at bottom of report. Include length of move.
- h. **Rigging Up/Down:** Time spent rigging up will start when the equipment is at the drill site and will continue until drilling operations are ready to start. Rigging down time will start when the rods and/or casing are out of the hole and will continue until the rig and equipment are ready to move.
- i. **Mix Mud, etc.:** Time should be shown against this item only when the rig is not operating. If the runner is drilling and the helper is mixing mud, no time should be shown. However, if it is necessary to shut the rig down while mud or additives are being prepared, then time should be listed. Be sure to list quantities consumed in supplies consumed section.
- j. **Conditioning Hole:** Time should be listed in this category when operation is being performed solely for the purpose of stabilizing the drill hole or attempting to eliminate lost circulation condition.
- k. **Surveying, Inclination Test:** Time spent surveying hole shall be shown. This shall include handling rods.
- l. **Mobilization and Demobilization:** List time spent hauling equipment to area and unloading at site. For demobilizing, list time spent loading at site and transporting back to storage. Do Not confuse with rigging operations listed under "f" above.
- m. **Other (Explain):** List time spent performing activity not listed in Hourly Distribution column. Explain in detail.
- n. **Supplies consumed:)**
Other:) List appropriately.
- o. Time listed in the hourly distribution column must equal the total hours listed for wage payment.

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LIST ACCURATELY — LIST NEATLY — LIST LEGIBLY!

LONGYEAR COMPANY

Contracting Division

General Office

Minneapolis, Minnesota 55414

"DAILY DRILL REPORT"

Contract: Budge U.G. Date: 9 19 85 Drill 34 sk'l drill / 704 /
MONTH DAY TYPE DRILL NO. TRUCK NO.

Location: Jerome, Ariz. Foreman's Signature: Jack R Hayslip

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	1140-1	15°		NA	385							
Aft B												
Nite C												

Hourly Distribution				Supplies Consumed							
								Day	Aft.	Nite	
Core Drilling				Description		Product Size		Number of Units			
Handling Rod (change bit)				Portland		Name					
Overburden - rock bit				Lumnite							
Collaring Hole - Dia. bit				Calseal							
Rotary Drilling				Mud		50#					
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)											
NSHA Annual Refresher training for underground											
Total Hours											
Driller's Initials											

Shift	DRILLERS	Hrs.	HELPERS	Hrs.	TRUCK DRIVERS	Hrs.
A	J.R. HAYSIP	8	W.R. MILLS	8		
B						
C						

Remarks: 7.7

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

CLIENT