

Lib

D022869

Noon to Midnight

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 1

Date: 10-4-77

Shift: Day _____
Swing _____
Night

Location: Mt Princeton

Angle: _____

Project: AMAX 640-28

Reaming: To: _____ Size: _____ Drilling: To: 240 1/2 Size 8 3/4
From: _____ From: 0

Footage Reamed: _____ Footage Drilled: 240 1/2

Casing Placed in Hole: 241 1/2 size: 6 5/8 Core Recovered: _____

Casing Removed from Hole: Size: _____ Feet: _____
Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden 7 1/2 h.
Non-core Drilling 0
Core Drilling _____
Reaming _____
Casing 3 1/2 h.
Pulling and lowering rods 1/2 h.
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____
Wedging Operations: Explain _____
Surveying _____
Fishing for tools _____
Other: Explain _____

TOTAL HOURS _____

Other Items

Water hauling: Miles 6 Hours 3/4 h.
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. 21 Size 8 3/4
Diamond bits: Size _____ Type _____
Other: 50 3425

Casing Left in Hole:
Size _____ Feet _____

Remarks _____

Foreman _____
Driller Terry Rabb
Helper Calvin Cadde - Rod Harvey
Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 640-28

Date: 10-5-77

Shift: Day _____

Swing _____

Night X

Location: 640-2d

Angle: _____

Project: MT Pounbow

Reaming: To: _____ Size: _____ From: _____ Drilling: To: 0 Size: _____ From: 0

Footage Reamed: _____ Footage Drilled: 0 Core Recovered: _____

Casing Placed in Hole: Size: _____ Feet: _____ Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland > 40 bags 100%
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden _____
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and lowering rods _____
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing Mixing Cement B. H. H.
a) Washing hole _____
b) Cementing X 4 1/2 hr
c) Drill cement _____
Delays: Explain _____

Wedging Operations: Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles 0 Hours 0
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole: Size _____ Feet _____

TOTAL HOURS 4 1/2

Remarks Waiting up for Cementing Foreman _____

Driller John Bortz

Helper Bell Lang

Truck Driver Randy Drey

HOLE

D022869

AMAX EXPLORATION, INC.

Hole 1

DRILL SHIFT REPORT

Date: 10-5-77

Noon - Midnight

Shift: Day _____
Swing _____
Night _____

Location: Blum

Angle: _____

Project: AMAXS

Reaming: To: _____ Size: _____ Drilling: To: _____ Size _____
From: _____ From: _____

Footage Reamed: _____ Footage Drilled: _____

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland 10016 4 bags 165.2
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Prepare for BOP and Rig to Drill
~~Drilling Overburden~~
~~Non-core Drilling~~
~~Core Drilling~~ Standby for cement 4
Reaming _____
Casing _____
Pulling and _____
lowering rods _____
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing 1 hr.
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____
(See Remarks) 4 hr
Waiting on BOP
9:00 to 12:00 3hr
TOTAL HOURS 9hr

Other Items

Water hauling: Miles _____ Hours _____
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

Remarks Prepare for BOP
Cement Surface
Rig to Drill
Service Rig

Foreman _____
Driller Jerry Ralls
Helper Bob Henry - Calvin Latta
Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 640-27

Date: 10-6-77

Shift: Day _____
Swing _____
Night X

Location: 640-27

Angle: _____

Project: Mt Princeton

Reaming: To: _____ Size: _____ From: _____
Drilling: To: 270 Size: 4 1/2
From: 240

Footage Reamed: _____ Footage Drilled: 30 ft
Core Recovered: _____

Casing Placed in Hole: Size: _____ Feet: _____
Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud 3
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden 1 hr
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and lowering rods 2 hr
Rig-up/Rig-down _____
Moving _____
Mixing Mud 1 hr
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____
Waiting for BOP 7 hr
waiting for bits for BOP 1 1/2 hr
Wedging Operations: _____
Explain _____

Other Items

Water hauling: Miles 6 Hours 1 hr
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. 77363 Size 6 1/2
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

Surveying _____
Fishing for tools _____
Other: Explain _____

TOTAL HOURS 12 1/2

Remarks Drain Bits mixed New mud

Foreman _____
Driller John Borg
Helper Bill Lang
Truck Driver Randy Jacy

HOLE

D022869

AMAX EXPLORATION, INC.

Hole _____

Date: 10-6-77

DRILL SHIFT REPORT
Noon to Midnight

Shift: Day
Swing _____
Night _____

Location: _____

Angle: _____

Project: AMAX 5

Reaming: To: _____ Size: 6 1/8 Drilling: To: _____ Size _____
From: _____ From: _____

Footage Reamed: _____ Footage Drilled: 240

Casing Placed in Hole: Size: _____ Feet: _____
Core Recovered: 440

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Hourly Distribution

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
50 Chemical Additives bags or gals.
Phosphate 1 bag 10010

Drilling Overburden _____
Non-core Drilling 9h
Core Drilling _____
Reaming _____
Casing _____
Pulling and lowering rods 3h
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Other Items

Water hauling: Miles 12 Hours 2h
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: 6 Med 1

Wedging Operations: _____
Explain _____

Casing Left in Hole:
Size _____ Feet _____

Surveying _____
Fishing for tools _____
Other: Explain _____

TOTAL HOURS 12

Remarks hole tight on trip out

Foreman _____
Driller Steve Ball
Helper Red Henry - Calvin Gault
Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 640-28

Date: 10-7-77

Shift: Day _____

Swing _____

Night X

Location: 640-28

Angle: _____

Project: Mt Princeton

Reaming: To: 640 Size: 6 3/8 Drilling: To: 640 Size: 6 3/8
From: 440 From: 440

Footage Reamed: _____ Footage Drilled: 200ft
Core Recovered: _____

Casing Placed in Hole: Size: _____ Feet: _____
Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud 5
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden 9 1/2
Non-core Drilling _____
Core Drilling _____
Reaming 3 1/2
Casing _____
Pulling and lowering rods 1/2
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair 1/2
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain went on Hall Road to Room
Wedging Operations: _____
Explain _____
Surveying _____
Fishing for tools _____
Other: Explain _____
TOTAL HOURS 17 1/2

Other Items

Water hauling: Miles 6 Hours 2
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. 79438 Size 6 3/8
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

Remarks Wash Pump Trouble
on water & rock

Foreman _____
Driller John Bortz
Helper Bill Long
Truck Driver Randy Drey

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 604-28

Date: 10-8-77

Shift: Day _____
Swing _____
Night X

Location: 604-28

Angle: _____

Project: Mt. Princeton

Reaming: To: _____ Size: _____ ? Drilling: To: 730 Size 4"
From: _____ From: 680

Footage Reamed: _____ Footage Drilled: 50ft
Core Recovered: _____

Casing Placed in Hole: Size: _____ Feet: _____
Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden 3 hr
Non-core Drilling 50ft
Core Drilling _____
Reaming _____
Casing _____
Pulling and lowering rods 2 hr
Rig-up/Rig-down _____
Moving _____
Mixing Mud Drained Pits 4 hr
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain Had to Drain Pit
mix new mud
Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles 12 Hours 4 hr
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. 76601 Size 4"
Diamond bits: Size 76601 Type Varul
Other: _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS ? 12 hr

Remarks Had to wait on a back
hoe to clean out pits for
3 hr

Foreman _____
Driller John Gorb
Helper Bill Lang
Truck Driver Randy Drey

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole _____

Date: 10-8-77

Shift: Day _____
Swing _____
Night _____

Location: _____

Angle: _____

Project: AMAXS

Reaming: To: _____ Size: _____ From: _____
Drilling: To: _____ Size: _____ From: _____

Footage Reamed: _____ Footage Drilled: _____

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden _____
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and _____
lowering rods _____
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____
see remark

Other Items

Water hauling: Miles 18 Hours 3 1/2
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS 12 hr

Remarks Get Rody to Pump pits 1 hr Foreman _____
look for Banker 2 hr Driller Steve Roll
rig repair - Service - Check location 2 hr Helper Red Harris - Colvin Candler
Dig holding pits 3 1/2 Truck Driver _____
hot water - lay down collar 3 1/2

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole C04-28

Date: 10-9-77

Shift: Day _____
Swing _____
Night X

Location: C04-28

Angle: _____

Project: Mt. Princeton

Reaming: To: _____ Size: _____ Drilling: To: 400 Size 6"
From: _____ From: 730

Footage Reamed: _____ Footage Drilled: 170

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden 6 hr
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and _____
lowering rods 4 1/2 hr
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole 1
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain Welding per stove

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles 8 Hours 1 1/2
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No AE500 37 Size 6"
Diamond bits: Size _____ Type Crusher
Other: _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS 13 hr

Remarks _____

Foreman _____
Driller John Burt
Helper Bill Jany
Truck Driver Randy Jany

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Normal to midnight

Hole _____

Date: 10-9-77

Shift: Day

Swing _____

Night _____

Location: _____

Angle: _____

Project: AMAX'S

Reaming: To: _____ Size: _____ Drilling: To: 1060 Size 6
From: _____ From: 900

Footage Reamed: _____ Footage Drilled: 160 ft

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

bags

Portland _____
Lumnite _____
Calseal _____
Mud _____

Chemical Additives bags or gals.

Mud 50 lbs 4

Other Items

Water hauling: Miles _____ Hours _____

Core boxes _____ Size _____

Lost bits _____

Lost tools _____

Rock bits: No. A5 100 3/4 Size 3 1/2

Diamond bits: Size _____ Type _____

Other: _____

Casing Left in Hole: _____

Size _____ Feet _____

Hourly Distribution

Drilling Overburden _____

Non-core Drilling 9 3/4 hr.

Core Drilling _____

Reaming _____

Casing _____

Pulling and _____

lowering rods 2 1/4 hr.

Rig-up/Rig-down _____

Moving _____

Mixing Mud _____

Equipment Repair _____

Cementing _____

a) Washing hole _____

b) Cementing _____

c) Drill cement _____

Delays: Explain _____

Wedging Operations: _____

Explain _____

Surveying _____

Fishing for tools _____

Other: Explain _____

TOTAL HOURS 12 hr.

Remarks _____

Foreman _____

Driller Terry Robie

Helper Calvin Canille - Rod Hoary

Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 604-28

Date: 10-10-77

Shift: Day _____
Swing _____
Night X

Location: 604-28

Angle: _____

Project: MT Printer

Reaming: To: _____ Size: _____ Drilling: To: _____ Size: 5-3/8
From: _____ From: 1060

Footage Reamed: _____ Footage Drilled: 240

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives 8-50 lb. 77oz. 1-100 lb. Bags bags or gals.

Hourly Distribution

Drilling Overburden 8 1/2
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and _____
lowering rods 3 1/2
Rig-up/Rig-down _____
Moving _____
Mixing Mud Cleaning pits 1
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles 12 Hours 1.5
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No 06896 Size 5-3/8
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS 12 1/2

Remarks _____

Foreman _____
Driller John Bortz
Helper Bill Lang
Truck Driver Randy Sney

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT
Norm L. Madson

Hole _____

Date: 10-10-77

Shift: Day
Swing _____
Night _____

Location: _____

Angle: _____

Project: AMAX5

Reaming: To: _____ Size: _____
From: _____

Drilling: To: 1420 Size 5 1/8
From: 1300

Footage Reamed: _____

Footage Drilled: 130 ft

Casing Placed in Hole: Size: _____

Core Recovered: _____

Casing Removed from Hole: Size: _____

Feet: _____

Feet: _____

Supplies Used

Portland	_____	bags
Lumnite	_____	
Calseal	_____	
Mud	_____	
Chemical Additives	_____	bags or gals.
<u>1-50 lb bag</u>	<u>1 gal</u>	
_____	_____	
_____	_____	
_____	_____	

Hourly Distribution

Drilling Overburden	_____
Non-core Drilling	<u>8</u>
Core Drilling	_____
Reaming	_____
Casing	_____
Pulling and lowering rods	<u>2 1/2</u>
Rig-up/Rig-down	_____
Moving	_____
Mixing Mud	<u>1 1/2</u>
Equipment Repair	_____
Cementing	_____
a) Washing hole	_____
b) Cementing	_____
c) Drill cement	_____
Delays: Explain	_____
_____	_____
Wedging Operations:	_____
Explain	_____
_____	_____
Surveying	_____
Fishing for tools	_____
Other: Explain	_____
_____	_____
TOTAL HOURS	<u>12</u>

Other Items

Water hauling: Miles 6 Hours 1
 Core boxes _____ Size _____
 Lost bits _____
 Lost tools _____
 Rock bits: No. 96111 Size 5 5/8
 Diamond bits: Size _____ Type _____
 Other: _____

Casing Left in Hole:
 Size _____ Feet _____

Remarks hard

Foreman _____
 Driller Jerry Hall
 Helper Red Young - Calvin Caudle
 Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

Hole 1

DRILL SHIFT REPORT

Date: 10-11-77

Work to Midnight

Shift: Day ✓

Swing _____

Night _____

Location: _____

Angle: _____

Project: AMAXS

Reaming: To: _____ Size: _____ Drilling: To: 1560 Size 4 3/4
From: _____ From: 1420

Footage Reamed: _____ Footage Drilled: 140

Casing Placed in Hole: Size: _____ Feet: _____
Core Recovered: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Hourly Distribution

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.
2 bag 50 lb. gall 2

Drilling Overburden _____
Non-core Drilling 8
Core Drilling _____
Reaming _____
Casing _____
Pulling and lowering rods 3
Rig-up/Rig-down _____
Moving _____
Mixing Mud hal water 1
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Other Items

Water hauling: Miles 6 Hours 6
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. CK353 Size 4 3/4
Diamond bits: Size _____ Type _____
Other: _____

Wedging Operations: Explain _____
Surveying _____
Fishing for tools _____
Other: Explain _____

Casing Left in Hole: Size _____ Feet _____

TOTAL HOURS 12

Remarks Hard

Foreman _____
Driller Terry Doherty
Helper Red Henry Cabern Condit
Truck Driver _____

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 604-28

Date: 10-11-77

Shift: Day _____
Swing _____
Night X

Location: 604-28

Angle: _____

Project: _____

Reaming: To: _____ Size: _____ Drilling: To: 0 Size 0
From: _____ From: 0

Footage Reamed: _____ Footage Drilled: 0

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Hourly Distribution

Drilling Overburden _____
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and _____
lowering rods _____
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles _____ Hours _____
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole: _____
Size _____ Feet _____

TOTAL HOURS 12 hr

Remarks waited on Bits &

Foreman _____

subs 12:00 PM to 10:00 AM

Driller John Bortz

Drained and cleaned casing

Helper Pill Lang

Threw up from 10:00 AM to 12:00 AM

Truck Drive Randy Sney

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 666-28

Date: 10-13-77

Shift: Day _____
Swing _____
Night X

Location: 604-28

Angle: _____

Project: M.T. Preston

Reaming: To: 1740 Size: 4 3/4 Drilling: To: _____ Size: 4 3/4
From: 1660 From: 1760

Footage Reamed: 140 Footage Drilled: 120 ft
Core Recovered: _____

Casing Placed in Hole: Size: _____ Feet: _____
Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Hourly Distribution

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Drilling Overburden 9
Non-core Drilling _____
Core Drilling _____
Reaming 1 1/2
Casing _____
Pulling and _____
lowering rods 1 1/2
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Other Items

Water hauling: Miles _____ Hours _____
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. CR-413 Size 4 3/4
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS 12 hr

Remarks Good

Foreman _____
Driller John Boy
Helper Bill Jang
Truck Driver Randy Doney

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 1

Date: 10-13

Shift: Day ✓
Swing _____
Night _____

Location: _____

Angle: _____

Project: AMAX5

Reaming: To: _____ Size: _____ Drilling: To: 1970 Size 4 3/4
From: _____ From: 1900

Footage Reamed: _____ Footage Drilled: 70

Casing Placed in Hole: Size: _____ Feet: _____
Core Recovered: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Other Items

Water hauling: Miles 6 Hours 1
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

Hourly Distribution

Drilling Overburden _____
Non-core Drilling _____
Core Drilling 5
Reaming _____
Casing _____
Pulling and _____
lowering rods 5
Rig-up/Rig-down _____
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain Waiting on Bits 2
Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

TOTAL HOURS _____

Remarks _____

Foreman _____
Driller Terry Robbe
Helper Calvin Caddle - Rod Henry
Truck Driver _____

ETCH

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 604-28

Date: _____

Shift: Day _____

Swing _____

Night X

Location: 604-28

Angle: _____

Project: mt Pleasant

Reaming: To: _____ Size: _____ Drilling: To: _____ Size 4 1/4
From: _____ From: 1970

Footage Reamed: _____ Footage Drilled: 30 ft

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Hourly Distribution

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Drilling Overburden 4
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____
Pulling and _____
lowering rods 2 1/2
Rig-up/Rig-down _____
Moving _____
Mixing Mud 1/2
Equipment Repair _____
Cementing _____
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Other Items

Water hauling: Miles 0 Hours 0
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

Casing Left in Hole:
Size _____ Feet _____

TOTAL HOURS 12 hr

Remarks Pulling B.P.C. and setting
up to lower 1 1/4 Pipe 2 1/2
Setting 1 1/4 Pipe 2 1/2

Foreman _____
Driller John Bortz
Helper Bill Jany
Truck Driver Randy Jany

HOLE

D022869

AMAX EXPLORATION, INC.

DRILL SHIFT REPORT

Hole 1

Date: 10-14-77

Shift: Day Swing Night

Location: _____

Angle: _____

Project: AMAX 5

Reaming: To: _____ Size: _____ From: _____ Drilling: To: _____ Size: _____ From: _____

Footage Reamed: _____ Footage Drilled: _____

Casing Placed in Hole: Size: _____ Feet: _____

Casing Removed from Hole: Size: _____ Feet: _____

Supplies Used

Portland _____ bags
Lumnite _____
Calseal _____
Mud _____
Chemical Additives _____ bags or gals.

Other Items

Water hauling: Miles _____ Hours _____
Core boxes _____ Size _____
Lost bits _____
Lost tools _____
Rock bits: No. _____ Size _____
Diamond bits: Size _____ Type _____
Other: _____

Casing Left in Hole:
Size _____ Feet _____

Hourly Distribution

Drilling Overburden _____
Non-core Drilling _____
Core Drilling _____
Reaming _____
Casing _____ 2
Pulling and _____
lowering rods _____
Rig-up/Rig-down _____ 2
Moving _____
Mixing Mud _____
Equipment Repair _____
Cementing _____ 1
a) Washing hole _____
b) Cementing _____
c) Drill cement _____
Delays: Explain _____

Wedging Operations: _____
Explain _____

Surveying _____
Fishing for tools _____
Other: Explain _____

TOTAL HOURS 5

Remarks _____

Foreman _____
Driller Terry Ralt
Helper Red Henry Carter Cawell
Truck Driver _____

HOLES

TEC 1

MCCOY

GRAND VIEW

WAUNITA

MT. PRINCETON

BIEBER

HUGH M. HARRIS DRILL CO.

Date 12-4-76

COMPANY NAME AMAX

2 hrs move, set up, run pipe

Hours	Price Per Hr	Amount
<u>3 1/2</u> Drill Hours	@	
<u>4 1/2</u> Chems	@	
<u>4</u> quick well Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>#9347</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u> </u> Total

HOLE NO. 640-2

Feet Drilled 200

REMARKS: set up on hole 640-2
Drill To T.D 200 FT Run pipe
TEAR DOWN move to hole 640-4

Employee Time Jim Tolson 10 1/2 Hours

Charles Cook 10 1/2 Hours

Wes Gordon 10 1/2 Hours

HUGH M. HARRIS DRILL CO.

Date 11-3-76

COMPANY NAME AMAX

1 hr move set up

Hours	Price Per Hr	Amount
<u>7 1/2</u> Drill Hours	@	
<u>3 1/2</u> Chems	@	
<u>3</u> quick well Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>		New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u> </u> Total

HOLE NO. 640-12

Feet Drilled 200

REMARKS: DRILL TO T.D 200 FT
ON hole 640-12 move rig down
ATTN TO NEXT LOC.

Employee Time Jim Tolson 10 1/2 Hours

Charles Cook 10 1/2 Hours

Wes Gordon 10 1/2 Hours

HUGH M. HARRIS DRILL CO.

Date 12-2-76

COMPANY NAME AMAX

4 hrs move, set up

Hours	Price Per Hr	Amount
<u>4</u> Drill Hours	@	
Chemicals	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
		New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u> </u> Total

HOLE NO. 0

Feet Drilled 0

REMARKS: BRING EQUIP DOWN MOUNTAIN
SET RIG UP ON hole 640-12
TAKE AIR COMPRESSOR BACK TO
DENVER.

Employee Time Jim Tolson 4 Hours

Charles Cook 4 Hours

Wes Gordon 4 Hours

HUGH M. HARRIS DRILL CO.

Date 12-1-76

COMPANY NAME AMAX

4 hrs DRILL LOC, SET UP RUN PIPE TEAR DOWN

Hours	Price Per Hr	Amount
<u>7 1/2</u> Drill Hours	@	
Chemicals	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>hammer</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u> </u> Total

HOLE NO. 640-13

Feet Drilled 200

REMARKS: DRIVE TO LOC, SET UP DRILL TO
T.D. 200 FT WITH HAMMER, RUN
PIPE, TEAR DOWN.

Employee Time Jim Tolson 11 Hours

Charles Cook 11 Hours

Wes Gordon 11 Hours

HUGH M. HARRIS DRILL CO.

HUGH M. HARRIS DRILL CO.

HUGH M. HARRIS DRILL CO.

HUGH M. HARRIS DRILL CO.

Date 12-8-76

Date 12-7-76

Date 12-6-76

Date 12-5-76

COMPANY NAME AMAX

COMPANY NAME AMAX

COMPANY NAME AMAX

COMPANY NAME AMAX

1 1/2 hrs move, set up, run pipe.

3 1/2 hrs throw out, run pipe, move, set up

2 1/2 hrs move, set up, run pipe.

3 hrs move, set up, run pipe.

Hours	Price Per Hr	Amount
<u>7</u> Drill Hours	@ _____	_____
Chemicals	@ _____	_____
<u>1</u> quick well Drilling Mud No.	@ _____	_____
Circulation Material No.	@ _____	_____

Hours	Price Per Hr	Amount
<u>7</u> Drill Hours	@ _____	_____
Chemicals	@ _____	_____
<u>1</u> quick well Drilling Mud No.	@ _____	_____
Circulation Material No.	@ _____	_____

Hours	Price Per Hr	Amount
<u>1</u> Drill Hours	@ _____	_____
Chemicals	@ _____	_____
<u>1</u> quick well Drilling Mud No.	@ _____	_____
Circulation Material No.	@ _____	_____

Hours	Price Per Hr	Amount
<u>8 1/2</u> Drill Hours	@ _____	_____
Chemicals	@ _____	_____
Drilling Mud No.	@ _____	_____
Circulation Material No.	@ _____	_____

BITS:

BITS:

BITS:

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
<u>1</u>	<u>Blades</u>	New Finger Bits _____
Total		_____

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
<u>1</u>	<u>Blades</u>	New Finger Bits _____
Total		_____

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
<u>1</u>	<u>Blades</u>	New Finger Bits _____
Total		_____

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
<u>2</u>	<u>Blades</u>	New Finger Bits _____
Total		_____

HOLE NO. 0-200=200 0-200=200 0-200=200
640-5 640-7 640-8

HOLE NO. 0-200=120 0-200=200
640-15 640-3

HOLE NO. 0-200=200 0-200=80
640-14 640-15

HOLE NO. 0-200=200 0-200=200 0-200=200
640-4 640-6 640-19

Feet Drilled 600

Feet Drilled 320

Feet Drilled 290

Feet Drilled 600

REMARKS: Drilling To T.D. 200 FT ON hole's 640-5, 7, 8, RUN PIPE ON EACH. MOVE SET UP ON EACH

REMARKS: Throw out, start drilling on hole 640-15 To T.D. 200 F RUN PIPE MOVE, SET UP, ON hole 640-3 DRILL TO T.D. 200 FT, RUN PIPE.

REMARKS: Drilling To T.D. 200 FT ON hole 640-14 RUN PIPE MOVE SET UP ON hole 640-15 DRILL TO 60 FT

REMARKS: Drilling on hole's 640-4, 6, 19 To T.D. 200 FT Each.

Employee Time Jim Tabor 10 Hours
Charles only 10 Hours
Wm Gardner 10 Hours

Employee Time Jim Tabor 10 1/2 Hours
Charles only 10 1/2 Hours
Wm Gardner 10 1/2 Hours

Employee Time Jim Tabor 10 1/2 Hours
Charles only 10 1/2 Hours
Wm Gardner 10 1/2 Hours

Employee Time Jim Tabor 11 1/2 Hours
Charles only 11 1/2 Hours
Wm Gardner 11 1/2 Hours

SCOTT'S ACE HOME CENTER

5 HIGHWAY 50 SALIDA, COLORADO 81201
PHONE: 539-2160

12-8 1976

CHARGED		REC. ON ACC.	
DESCRIPTION	PRICE	AMOUNT	
4 lbs mix PVC	4.50	23.75	7.00
4 lbs mix		5.00	
		38.75	
		3.00	
		36.75	
		1.31	
		36.18	

ALL GOODS AND RETURNED GOODS MUST BE ACCOMPANIED BY THIS BILL

Rec'd By _____

HUGH M. HARRIS DRILL CO.

Date 12-10-76

COMPANY NAME AMAX

4 lbs mix mud TEAR DOWN, MOVE, RUN PIPE

Hours	Price Per Hr	Amount
7 Drill Hours	@	
8 lbs coker	@	
6 quick 90#	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
		New Rock Bits
1	used	Retipped Rock Bits
1	set	New Finger Bits
		Total

HOLE NO. 40-60-20 0-200-200
640-20 640-26

Feet Drilled 220 FT

REMARKS: Drilling on 640-20 to 60 FT
Lost bit, bit out of old hole's
TEAR DOWN move to 640-26 DRILL TO
T.D. 200 FT RUN PIPE TEAR DOWN.

Employee Time Jim Toller 11 Hours
Charles Coley 11 Hours
Wes Gordon 11 Hours

HUGH M. HARRIS DRILL CO.

Date 12-9-76

COMPANY NAME AMAX

2 1/2 hrs move, set up, run pipe.

Hours	Price Per Hr	Amount
7 1/2 Drill Hours	@	
4 lbs coker	@	
4 quick 90#	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
		New Rock Bits
1		Retipped Rock Bits
1	set	New Finger Bits
		Total

HOLE NO. 0-200-200 0-40-40
640-1 640-20

Feet Drilled 240

REMARKS: Drilling TO T.D. 200 FT ON
hole 640-1 RUN PIPE, MOVE, SET UP, START
DRILLING ON 640-20 TO 40 FT.

Employee Time Jim Toller 10 Hours
Charles Coley 10 Hours
Wes Gordon 10 Hours

HUGH M. HARRIS DRILL CO.

Date 11-29-76

COMPANY NAME ADMAX
has move set up

Hours	Price Per Hr	Amount
<u>3</u> Drill Hours	@ _____	_____
<u>1</u> <i>900 FORM</i> Chemicals	@ _____	_____
<u>2</u> <i>900</i> Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
<u>1</u>	_____	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

HOLE NO. 6-30=30
640-20
Feet Drilled 30

REMARKS: *MOVE EQUIP TO hole 640-20
RIG UP FOR AIR DRILL TO 30 FT
LOT'S GRAVEL AND BOULDER'S*

Employee Time Jim Talar 10 Hours
Charles Coley 10 Hours
Wes Gooden 10 Hours

HUGH M. HARRIS DRILL CO.

Date 11-25-76

COMPANY NAME ADMAX

Hours	Price Per Hr	Amount
_____ Drill Hours	@ _____	_____
_____ Chemicals	@ _____	_____
_____ Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

HOLE NO. _____
Feet Drilled _____

REMARKS: *TOO COLD NOTHING WOULD
START. BATTERY IN AIR COMP
NO GOOD.*

Employee Time Jim Talar Hours
Charles Coley Hours
Wes Gooden Hours

HUGH M. HARRIS DRILL CO.

Date 11-24-76

COMPANY NAME ADMAX

Hours	Price Per Hr	Amount
_____ Drill Hours	@ _____	_____
_____ Chemicals	@ _____	_____
_____ Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

HOLE NO. _____
Feet Drilled _____

REMARKS: *TO TO DRIVER FOR
AIR COMP.*

Employee Time _____ Hours
 _____ Hours
 _____ Hours

HUGH M. HARRIS DRILL CO.

Date 11-23-76

COMPANY NAME ADMAX
*1 HR PIPE
3 HAS TEAR DOWN, TAKE WTR TRUCK*

Hours	Price Per Hr	Amount
<u>6</u> Drill Hours	@ _____	_____
<u>3</u> <i>HR</i> Chemicals	@ _____	_____
<u>4</u> <i>900</i> Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

HOLE NO. 160-295=135
640-14
Feet Drilled 135

REMARKS: *DRILLING TO T.D 295 FT
ON hole 640-14. CAME OUT RUN
PIPE, TEAR DOWN, TAKE WTR TRUCK
TO TOWN UNLOAD GET READY TO GO
TO DRIVER.*

Employee Time Jim Talar 10 Hours
Charles Coley 10 Hours
Wes Gooden 10 Hours

HUGH M. HARRIS DRILL CO.

Date 11-30-76

COMPANY NAME ADMAX
1 hr START UP TIME,

Hours	Price Per Hr	Amount
<u>8</u> Drill Hours	@ _____	_____
<u>1 gal FOAM</u> Chemicals	@ _____	_____
<u>2</u> quick pull Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
_____	_____	New Rock Bits _____
<u>2</u>	<u>4/24/76</u>	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

30-40-50
HOLE NO. 640-30

Feet Drilled 30

REMARKS: LOOK AT NEXT LOC, START RIG
START DRILLING TO 60 FT HIT W/
CANNOT CONTROL GRAVEL, STOP RIG
START DRILLING TO 20 FT HIT OF GRAVEL
BOULDER'S.

Employee Time Jim Tolson 9 Hours
Charles Kelly 7 Hours
Walt Campbell 9 Hours

HUGH M. HARRIS DRILL CO.

Date 11-17-76

COMPANY NAME AMAX
3 1/2 HRS THAW OUT, SKID RIG, DRAIN UP
Hours 7 1/2 Drill Hours
4 165 LIME
Chemicals
3 quick get
Drilling Mud No.
Circulation Material No.

BITS:
No. Serial Amount
1 47620 New Rock Bits
Retipped Rock Bits
New Finger Bits
Total
0-220 = 220
640 = 23

HOLE NO.
Feet Drilled 220

REMARKS: UNFREEZE RIG PRIME PUMP
90 IN HOLE, LAST 20 FT, GET TO BOTTOM
CAN'T MAKE CONN, COME OUT SKID RIG
15 FT DRILL TO 220 FT ON hole 640-23
DRAIN UP 90 HOME.
Employee Time Jim Tolce 11 Hours
Charlie Coley 11 Hours
Wes Gordon 11 Hours

HUGH M. HARRIS DRILL CO.

Date 11-16-76

COMPANY NAME AMAX
2 HRS MOVE, SET UP, MIX MUD, DRAIN UP,
Hours 6 Drill Hours
6 165 LIME
Chemicals
5 quick get
Drilling Mud No.
Circulation Material No.

BITS:
No. Serial Amount
1 46524 New Rock Bits
Retipped Rock Bits
New Finger Bits
Total
0-40 = 40
640 = 23

HOLE NO.
Feet Drilled 40

REMARKS: MOVE FROM BUENA VISTA TO
LOC. SET UP MIX MUD START DRILLING
LOTS OF BOULDERS AND GRAVEL. DRILL
40 FT ON hole
Employee Time Jim Tolce 8 Hours
Charlie Coley 8 Hours
Wes Gordon 8 Hours

HUGH M. HARRIS DRILL CO.

Date 11-12-76

COMPANY NAME AMAX
Hours 10 Mobilization
Drill Hours
Chemicals
Drilling Mud No.
Circulation Material No.

BITS:
No. Serial Amount
New Rock Bits
Retipped Rock Bits
New Finger Bits
Total

HOLE NO.
Feet Drilled

REMARKS: MOBILIZATION LORDSBURY
N.M. TO BUENA VISTA COLO
Employee Time Jim Tolce 10 Hours
Charlie Coley 10 Hours
Wes Gordon 10 Hours

HUGH M. HARRIS DRILL CO.

Date 11-11-76

COMPANY NAME AMAX
Hours 9 Mobilization
Drill Hours
Chemicals
Drilling Mud No.
Circulation Material No.

BITS:
No. Serial Amount
New Rock Bits
Retipped Rock Bits
New Finger Bits
Total

HOLE NO.
Feet Drilled

REMARKS: MOBILIZATION LORDSBURY
N.M. TO BUENA VISTA COLO
Employee Time Jim Tolce 9 Hours
Charlie Coley 9 Hours
Wes Gordon 9 Hours

HUGH M. HARRIS DRILL CO.

Date 11-21-76

COMPANY NAME AMAX

*2 1/2 hrs move to loc and set up
1/2 hr drain up*

Hours	Price Per Hr	Amount
<u>7 1/2</u> Drill Hours	@	
<u>4</u> lbs CMC	@	
<u>3</u> quick gel	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>49349</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u>Total</u>

0-240-240
640-24

HOLE NO. _____

Feet Drilled 240

REMARKS: *move up mountain to loc, haul
with set up and drill to 240' on
hole 640-24 drain up come to town*

Employee Time Jim Tolker 10 1/2 Hours

Charles Coley 10 1/2 Hours

Wes Gordon 10 1/2 Hours

HUGH M. HARRIS DRILL CO.

Date 11-20-76

COMPANY NAME AMAX

*1 hr drain up and throw out in morning
2 1/2 hrs move, run pipe*

Hours	Price Per Hr	Amount
<u>7 1/2</u> Drill Hours	@	
<u>4</u> lbs lime	@	
<u>4</u> quick gel	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>40304</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u>Total</u>

180-295 =
640-22

HOLE NO. _____

Feet Drilled 175

REMARKS: *drilling on hole 640-22
to T.D. 295 FT took down move
toward next loc.*

Employee Time Jim Tolker 10 1/2 Hours

Charles Coley 10 1/2 Hours

Wes Gordon 10 1/2 Hours

HUGH M. HARRIS DRILL CO.

Date 11-19-76

COMPANY NAME AMAX

1 hrs drain up, throw out

Hours	Price Per Hr	Amount
<u>10</u> Drill Hours	@	
<u>12</u> lbs lime	@	
<u>6</u> quick gel	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>36461</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u>Total</u>

40-120 = 80
640-22

HOLE NO. _____

Feet Drilled 80

REMARKS: *drilling on hole 640-22 to 120 FT
very heavy gravel and boulder's
trouble with connection's*

Employee Time Jim Tolker 11 Hours

Charles Coley 11 Hours

Wes Gordon 11 Hours

HUGH M. HARRIS DRILL CO.

Date 11-18-76

COMPANY NAME AMAX

2 1/2 hrs move, setup, run pipe.

Hours	Price Per Hr	Amount
<u>2 1/2</u> Drill Hours	@	
<u>6</u> lbs lime	@	
<u>4</u> quick gel	@	
Drilling Mud No.	@	
Circulation Material No.	@	

BITS:

No.	Serial	Amount
<u>1</u>	<u>40302</u>	New Rock Bits
		Retipped Rock Bits
		New Finger Bits
		<u>Total</u>

220-295 = 75
640-23

HOLE NO. _____

Feet Drilled 115

REMARKS: *drilling to T.D. 295 FT on
hole 640-23 run pipe, move next loc
set up drill to 40 FT hole 640-22*

Employee Time Jim Tolker 10 Hours

Charles Coley 10 Hours

Wes Gordon 10 Hours

HUGH M. HARRIS DRILL CO.

Date 11-22-76

COMPANY NAME Amox

3 1/2 hrs move, set up

Hours	Price Per Hr	Amount
<u>7</u> Drill Hours	@ _____	_____
<u>4 1/2</u> CMC	@ _____	_____
_____ Chemicals	@ _____	_____
<u>3</u> quick well Drilling Mud No.	@ _____	_____
_____ Circulation Material No.	@ _____	_____

BITS:

No.	Serial	Amount
<u>1</u>	<u>36460</u>	New Rock Bits _____
_____	_____	Retipped Rock Bits _____
_____	_____	New Finger Bits _____
		Total _____

240-255=15 0-110=110
640-24 640-14

HOLE NO. _____

Feet Drilled 175

REMARKS: Drilling on hole 640-24
to 7.0, 255 FT run pipe move to
next loc - set up, drill to 160 FT
on hole 640-14 drain up.

Employee Time Jim Toler 10 1/2 Hours

Charles Coley 10 1/2 Hours

Wes Cradaw 10 1/2 Hours