

1984-1985
DREDGING

WESCO

Field Book
550-501

1984-1985

DREDGING

BK 2

Projects (continued)

IF FOUND RETURN TO

CACHE COUNTY SURVEYORS
OFFICE

179 NORTH MAIN STREET

LOGAN, UTAH. 84321

ROOM # 205-207

801-752-8348

OR

801-752-8048

JAN. 14, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING.

RICKS & THURSTON'S BACKHOES
ARE LOADING CACHE COUNTY &
LOGAN CITY DUMP TRUCKS W/
EXCAVATED MATERIAL FROM
AREA # 4.

MITTONS DOZER IS PUSHING
GRAVEL BARS OUT OF MID STREAM
TO BE LOADED

^{MATTHEWS}
BILL MATTHEWS IS PLACING
RIP RAP @ THE MILL RD. SITE.

I MET THE ^{EAMES'} EAMES' @
THE STATE BRIDGE @ 2:30 PM
TO DISCUSS REMOVAL OF A EXPOSED
GRAVEL BAR, BUT THEY DIDNT WANT
ANY WORK TO BE DONE UNLESS
THE OPPOSIT SIDE OF THE CHANNEL
WAS CLEANED. I TOLD THE
EAMES' THIS WOULD BE THE
LAST THE COUNTY WOULD WASTE
ON THEM.

14 LOADS RIP RAP TODAY

TIME IS AS FOLLOWS

ROSS	8 HOURS
JIM	8 HOURS
PRESTON	8 HOURS
BOB FOTHERINGHAM	3 HOURS
^{MATTHEWS} BILL MATTHEWS	4 HOURS
DENNIS MITTON	8 HOURS
VERN RICKS	7 1/2 HOURS
THURSTON CONST	7 1/2 HOURS
COUNTY TRANSPORT	3 HOURS
COUNTY VEHICLES (2)	16 HOURS

Ross
1-14-85

EXCAVATED MATERIAL HAULED AWAY

LOGAN CITY	45 - 12 YARD LOADS
LOGAN CITY BELLY DUMP	1 - 20 YARD LOAD
CACHE COUNTY	26 - 12 YARD LOADS
THURSTON CONST.	14 - 12 YARD LOADS
TOTAL	1,040 CU. YARDS

JAN. 15, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING.
RICKS & THURSTON'S BACKHOES
ARE STILL LOADING CACHE
COUNTY & LOGAN CITY 10 WHEEL
DUMP TRUCKS WITH EXCAVATED
GRAVEL FROM AREA 4.

DENNIS MITTON'S DOZER
IS PUSHING GRAVEL BARS
TO BOTH BACKHOES, BUT HE
HAS BROKEN DOWN @ 12:00
NOON.

MATTHEWS
BILL MATTHEWS IS PLACING
RIP RAP MATERIAL ALONG
GEORGE WINDBURG'S PROPERTY
UNTIL 1:30 PM & THEN IS
BEING TRANSPORTED UP RIVER
TO PLACE MORE RIP RAP @
THE POSTMA SITE, (AREA III).

LEGRAND JOHNSON
IS HAULING IN BROKEN CONC.
FOR RIP RAP MATERIAL.

45 LOADS TOTAL ESTIMATED

TIME IS AS FOLLOWS

ROSS LAPRAY	9	HOURS
SIM BISHOP (SICK)	0	HOURS
SEPT BIRD	1	HOURS
PRESTON VAED	3	HOURS
MATTHEWS		
BILL MATTHEWS	8	HOURS
DENNIS MITTON	4	HOURS
VERN RICKS	7	HOURS
THURSTON CONST.	7	HOURS
CACHE COUNTY TRANSPORT	2	HOURS
COUNTY VEHICLES (2)	14	HOURS
KEITH NELSON	2	HOURS
DEAN PARKER	2	HRS.
OWEN YEATES	2	HOURS
JAY MONSON	2	HRS
YEATES		

EXCAVATED MATERIAL HAULED AWAY

LOGAN CITY 51 - 12 YARD LOADS

CACHE COUNTY 23 - 12 YARD LOADS

TOTAL 886 CU. YARDS

Ross Lapray
1-15-85

JAN. 16, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT RUNNING.
THE DOZER HAS BEEN REPAIRED
& IS WORKING IN THE RIVER.
BILL MATTHEWS IS PLACING
RIP RAP MATERIAL NEAR THE
POSTMA SITE. (AREA B). LEGRAND
JOHNSON WHO IS HAULING THE
BROKEN CONCRETE RIP RAP WAS
VERY SLOW GETTING STARTED
TODAY. (ABOUT 9:30 AM)

CACHE COUNTY & LOGAN CITY
ARE HAULING OFF EXCAVATED
GRAVEL IN 10 WHEEL DUMP TRUCKS
& ARE EXPECTED TO DO SO THE
REST OF THE WEEK.

RICKS & THURSTON'S ARE LOADING
THESE TRUCKS WITH THEIR BACKHOES.

20 LOADS RIP RAP TODAY

TIME IS AS FOLLOWS

ROSS LOPEAY	9 HOURS
JIM BISHOP	9 HOURS
SETH BIRD	2 HOURS
BILL MATTHEWS	8 HOURS
DENNIS MITTON	7 HOURS
LAVERN RICKS	7 HOURS
THURSTON CONST.	7 HOURS
COUNTY TRANSPORT	3 HOURS
COUNTY VEHICLES	9 HOURS (1)
BILL SWENSEN (VOLUNTEER)	1 HOUR

EXCAVATED MATERIAL HAULED AWAY

LOGAN CITY 44 - 12 YARD LOADS

CACHE COUNTY 34 - 12 YARD LOADS

TOTAL 936 CUBIC YARDS

Ross Lopeay

1-16-85

JAN. 17, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING.

BILL MATTHEWS^{MATTHEWS} IS PLACING
RIP RAP @ THE DOOPER BISHOP
SITE UNTIL NOON WHEN CACHE
COUNTY WILL MOVE HIM UP
RIVER TO LOAD GRAVEL.

RICKS & THURSTON'S BACKHOES
ARE LOADING GRAVEL IN AREA 4.

DENNIS MITTON IS WORKING
IN THE RIVER REMOVING EXPOSED
GRAVEL BARS & PILING UP
FROZEN BANKS. WORK IS
PROGRESSING WELL.

CACHE COUNTY HAS DOUBLED
THE NUMBER OF TRUCKS HAULING
EXCAVATED MATERIAL, PLUS PROVIDED
A TRANSPORT FOR 3 HOURS.

PRESTON, SIM, & ROSS HAD
A MEETING WITH BILL HALL &
BUCK BUFFINGTON TO DISCUSS
THE PLAN OF ATTACK @ THAT
SITE.

TIME IS AS FOLLOWS

ROSS LAPEAY	8 HOURS
JIM BISHOP	8 HOURS
PRESTON WARD	8 HOURS
SETH BIRD	2 HOURS
DEAN PARKER	1 HOUR
BILL HALL (VOLUNTEER)	1 HOUR
BUCK BUFFINGTON (VOLUNTEER)	1 HOUR
COUNTY VEHICLES (3)	18 HOURS
COUNTY TRANSPORT	3 HOURS
BILL MATTHEWS MATTHEWS	7 HOURS
DENNIS MITTON	7 HOURS
VERN RICKS	7 HOURS
THURSTON CONST.	7 HOURS

EXCAVATED MATERIAL HAULED AWAY

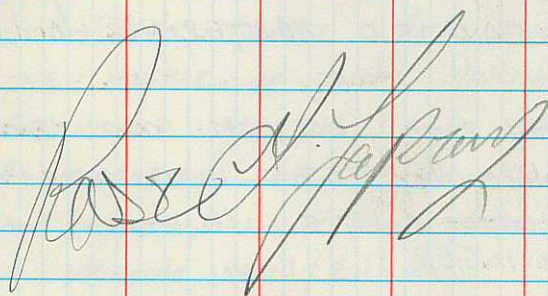
LOGAN CITY	42	- 12	YARD	LOADS
CACHE COUNTY	63	- 12	YARD	LOADS
ZOLLINGER CONST.	5	- 12	YARD	LOADS
ZOLLINGER				

TOTAL 1320 CUBIC YARDS

17 LOADS RIP RAP TODAY

JAN. 18, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT EXCAVATING
GRAVEL TO BE HAULED AWAY
BY LOGAN CITY, CACHE COUNTY,
LEGAND JOHNSON, & ^{ZOLLINGER} ZOLLINGER CONST.
WORK IS PROGRESSING WELL
UNTIL 5:00
PM & ENGINEERING STAFF LEFT
THE SITE TO RETURN TO THE
OFFICE AND FILL OUT PAPER WORK.



1-18-85

TIME IS AS FOLLOWS

ROSS 9 HOURS
JIM 9 HOURS
PRESTON ^{MATHEWS} 6 HOURS
BILL MATTHEWS 8 HOURS
VERN RICKS 8 HOURS
THURSTON CONST. 8 HOURS
DENNIS MITTON 8 HOURS
COUNTY VEHICLES (2) 15 HOURS

EXCAVATED MATERIAL HAULED AWAY

LOGAN CITY 42-12 YARD LOADS
LOGAN CITY (BELLY DUMP) 4-20 YARD LOADS
CACHE CO. 75-12 YARD LOADS
LEGAND JOHNSON'S 21-12 YARD LOADS
^{ZOLLINGER} ZOLLINGER CONST. 14-12 YARD LOADS
ZOLLINGER CONST (BELLY DUMP) 3-20 YARD LOADS
ZOLLINGER

1,964 CUBIC YARDS

JAN. 21, 1985

WORK BEGAN @ 8:00 AM
TODAY WITH ALL EQUIPMENT
WORKING & LOADING TRUCKS
FROM LOGAN CITY & CACHE COUNTY
CACHE COUNTY'S TRANSPORT WILL
MOVE MOST OF THE EQUIPMENT
UP RIVER TODAY

THURSTON'S BACKHOE BROKE
DOWN JUST PRIOR TO BEING
LOADED ON THE COUNTY'S TRANSPORT
@ 11:30 AM.

MATHEWS
MATHEWS & MITTON WERE MOVED
TO THE BUFFINGTON/HALL SITE
TO BEGIN WORK.

WORK IS GOING WELL

RICKS IS GOING TO
LOAD TRUCKS ALL DAY @
THIS SITE.

TIME IS AS FOLLOWS

THURSTON BACKHOE	3 1/2	HOURS
MITTON DOZER	8	HOURS
MATHEWS BACKHOE	8	HOURS
RICKS BACKHOE	8	HOURS
RICKS	9	HOURS
JIM	9	HOURS
PRESTON	8	HOURS
COUNTY TRANSPORT	5	HOURS
BUTCH HULL	8	HOURS
COUNTY VEHICLES	17	HOURS
EXCAVATED MATERIAL	HAULED AWAY	

LOGAN CITY 14 12 YARD LOADS

CACHE COUNTY 16 12 YARD LOADS

TOTAL 360 CU. YDS

1-24-85

JAN. 22, 1985

WORK BEGAN @ 8:00 AM

WITH ALL EQUIPMENT WORKING
EXCEPT THURSTON'S BACKHOE
RICKS IS BEING LOADED

TO BE MOVED TO THE HALL &
BUFFINGTON SITE. BUTCH HALL
IS WORKING UP EAST CANYON.

MITTON & MATHEWS ARE AT THE
BUFFINGTON/HALL SITE W/ 2
COUNTY DUMP TRUCKS

WORK IS GOING WELL.

BUTCH HALL WAS BROKE DOWN
FOR 1 HOUR TODAY

TODAY IS ^{COMMISSION} ~~COMMISSION~~ MEETING
& DREDGING PROJECT IS BEING
REVIEWED

TIME IS AS FOLLOWS

ROSS	9	HOURS
DIM	9	HOURS
PRESTON	8	HOURS
DEAN PARKER	2	HOURS
JAY MONSON	2	HOURS
OWEN ^{YEATES} YEATES	2	HOURS
KEVIN NELSON	2	HOURS
BUTCH HULL	7	HOURS
THURSTON CONST	2	HOURS
MATHEWS BACKHOE	8	HOURS
RICKS BACKHOE	8	HOURS
MITTON DOZER	8	HOURS
COUNTY TRANSPORT	2	HOURS
COUNTY VEHICLES (3)	19	HOURS
EXCAVATED MATERIAL HAULED AWAY		

CACHE COUNTY 52 12 YARD LOADS

TOTAL 624 CUBIC YARDS



1-22-85

JAN. 23, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING
EXCEPT THURSTON'S BACKHOE
MITTON & MATHEWS & RICKS
ARE AT THE BUFFINGTON
HALL SITE W/ COUNTY TRUCKS
HAULING OFF EXCAVATED MATERIAL
BUTCH HULL IS WORKING
UP EAST CANYON & THURSTON
WILL MOVE UP TODAY @ 2:30
PM. WORK IS GOING WELL

THURSTON ARRIVED

@ THE EAST CANYON SITE
@ 4:30 PM & THE COUNTY'S
TRANSPORT LEFT TO RETURN
TO THE SITE.

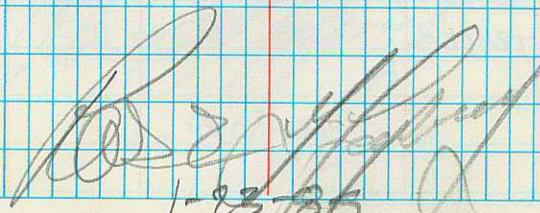
TIME IS AS FOLLOWS

ROSS	8 HOURS
JIM	8 HOURS
PRESTON	2 HOURS
COUNTY TRANSPORT	3 HOURS
MITTON	8 HOURS
MATHEWS	7 HOURS
THURSTON	6 1/2 HOURS
RICKS	7 HOURS
COUNTY TRUCKS (2)	16 HOURS
BUTCH HULL	8 HOURS

EXCAVATED MATERIAL HAULED AWAY

49 12 YARD LOADS
HAULED BY CACHE COUNTY

TOTAL 588 CUBIC YARDS


1-23-85

JAN. 24, 1985

WORK BEGAN @ 8:00 AM
TODAY WITH ALL EQUIPMENT
WORKING MATHEWS RICKS &
MITTON ARE WORKING @ THE
HALL / BUFFINGTON SITE ALONG
W/ 2 COUNTY 10 WHEEL DUMP
TRUCKS.

THURSTONS & HULL ARE
@ THE EAST CANYON SITE
WORKING TODAY.

THURSTONS BACKHOE
BROKE DOWN @ 3:00 PM TODAY
& WILL BE DOWN QUITE A WHILE

VEON RICKS BACKHOE SPLIT
A RAM ON THE MAIN BOOM
& HAS SHUT DOWN @ 3:00
PM ALSO.

MATHEWS WAS SHUT DOWN
@ 4:00 PM FOR LACK OF
TRUCKS.

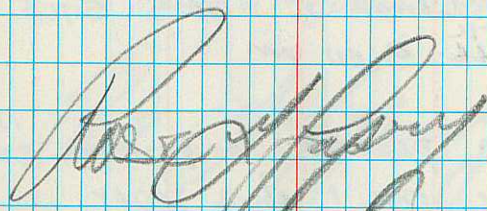
TIME IS AS FOLLOWS

ROSS	8 HOURS
JIM	8 HOURS
PRESTON	6 HOURS
MITTON	8 HOURS
MATHEWS	7 HOURS
RICKS	6 HOURS
THURSTONS	4 HOURS
HULL	8 HOURS
COUNTY MECHANIC	2 HOURS
SETH BIRD	2 HOURS
THOMAS JENSEN	1 HOUR (VOLUNTEER)
COUNTY VEHICLES (3)	12 HOURS

EXCAVATED MATERIAL HAULED AWAY

CACHE COUNTY 51-12 YARD LOADS

612 CUBIC YARDS


1-24-85

JAN. 25, 1985

WORK BEGAN @ 8:00 AM
WITH THE COUNTY TRANSPORT
MOVING RICKS BACK TO HIS
SHOP TO BE REPAIRED.
THURSTON'S HOE IS STILL
BROKE DOWN @ THE EAST
CANYON SITE. MITTON &
MATHEWS ARE WORKING
@ THE HALL & BUFFINGTON
SITE WITH THE COUNTY TRUCK

I ARRIVED @ WORK TODAY
@ 7:00 TO PREPARE FOR A
MEETING WITH DEAN PARKER
@ THE EAST CANYON SITE I PICKED
HIM UP @ 8:00 AM & RETURNED
@ 12:00 NOON

WORK CONTINUED @ THE
EAST CANYON & AREA S SITES
UNTIL
UNTIL 5:00 PM

DEAN PARKER MET JERRY NEWELL
@ SLC FOR 1 HOUR TODAY

TIME IS AS FOLLOWS

ROSS	7 HOURS
JIM	8 HOURS
DEAN PARKER	5 1/2 HOURS
PRESTON	2 HOURS
MITTON	8 HOURS
MATHEWS MATHEWS	8 HOURS
HULL	8 HOURS
COUNTY TRANSPORT	2 HOURS
COUNTY VEHICLES (2)	11 HOURS

EXCAVATED MATERIAL HAULED AWAY

CACHE COUNTY

21 - 12 YARD LOADS

252.0 CUBIC YARDS

Bill J. Johnson

1-25-85

JAN. 28, 1965

WORK BEGAN @ 8:00 AM
TODAY WITH MITTON & MATHEWS
WORKING @ THE HALL / BUFFINGTON
SITE THURSTONS & HALL ARE
AT THE EAST CANYON SITE
THURSTON STARTED @ 12:30
TODAY

WE HAD A MEETING
WITH COUNTY COMMISSION &
ARMY CORPS OF ENGINEERS
@ THE EAST CANYON SITE
TO DISCUSS PROCEDURES
ALL WENT AS EXPECTED
WORK QUIT @ 5:00

pm.

COUNTY ROAD DEPT.
FURNISHED 1 TRUCK TODAY

TIME IS AS FOLLOWS

ROGS

ROGS	9 HOURS
JIM	9 HOURS
THURSTON	9 HOURS
MATHEWS	8 HOURS
MITTON	8 HOURS
BUTCH HULL	8 HOURS
THURSTONS	4.5 HOURS
DEAN PARKER	4 HOURS
KEITH NELSON	4 HOURS
MARRION OLSEN	6 HOURS (VOLUNTEER)
J.D. CUSHMAN	6 HOURS (VOLUNTEER)
COUNTY VEHICLES (3)	22 HOURS

EXCAVATED MATERIAL HAULED
AWAY

21 - 12 YARD LOADS CIRCLE CO.

252 CU. YARDS

DRB 7531
[Signature]

JAN. 29 1985

DREDGING WORK WAS FINISHED
AT THE HALL & BUFFINGTON
SITE TODAY. BILL WILL
PLACE RIP RAP TOMORROW.
THURSPAS & HULL ARE
WORKING @ THE EAST CANYON
SITE WORK IS GOING
WELL

COUNTY HAS PROVIDED
1 DUMP TRUCK TODAY

TIME IS AS FOLLOWS

ROSS	8 HOURS
LIM	8 HOURS
PRESTON	8 HOURS
BUTCH HULL	8 HOURS
MITTON	8 HOURS
THURSTONS	8 HOURS
MATHEWS	8 HOURS
COUNTY VEHICLES (2)	16 HOURS

EXCAVATED MATERIAL HAULED AWAY
LACHE CO. 17 - 18 YARD LOADS

204 CUBIC YARDS.

[Signature]
1-29-85

JAN. 30, 1985

CACHE COUNTY TRANSPORT
MOVED MITTENS DOZER
TO THE LITTLE BEAR RIVER
TODAY BILL MATHEWS IS
PLACING LIMESTONE RIP RAP
@ THE HALL & BUFFINGTON
SITE

BUTCH HALL BROKE
DOWN @ 12:30 TODAY
THURSTONS IS WORKING
WORK IS GOING WELL

RIP RAP 21 LOADS

TIME IS AS FOLLOWS

ROSS	9	HOURS
JIM	8	HOURS
PROCTOR	8	HOURS
HULL	4 1/2	HOURS
MATHEWS MATHEWS	8	HOURS
MITTON	8	HOURS
THURSTONS	8	HOURS
COUNTY TRANSPORT	5	HOURS
COUNTY VEHICLES	10	HOURS (2)

WILSONS
MOVED IN TODAY
BUT DIDNT WORK

GRAVEL HAULED

[Signature]
1-30-85

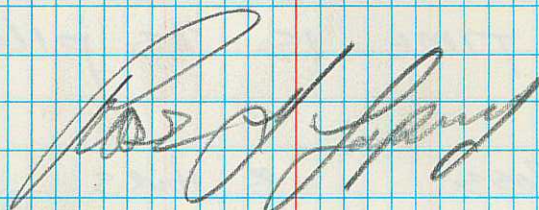
JAN. 31, 1985

TEMPERATURES RANGE FROM
25° BELOW ZERO TO 35°
BELOW ZERO & ONLY 2 OUTRIG
ARE WORKING THURSDAY BECAUSE
& THE NEWLY HIRED JOHNSONS
D-8 BULLDOZER BOTH ARE
AT THE EAST CANYON SITE
WORK IS PROGRESSING
SLOWLY BUT ITS GETTING DONE

TIME IS AS FOLLOWS

THURSTON CONST	8 HOURS
LEGRAND JOHNSON	8 HOURS
ROSS LOPEAY	8 HOURS
JIM BISHOP	8 HOURS
DREYER WARD	8 HOURS
COUNTY VEHICLES (2)	16 HOURS

NO GRAVEL HAULED TODAY



1-31-85

FEB. 1, 1985

TODAYS TEMPS ARE COLDER

-35° TO -45° NO EQUIPMENT
IS WORKING TODAY.

WE ARE @ THE OFFICE
DESIGNING A NEW PERMIT
TO CONTINUE DREDGING.

TIME IS AS FOLLOWS

ROSS	8 HOURS
PRESTON	8 HOURS
JIM	8 HOURS
VEHICLES	16 HOURS (2)

FEB 4, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING
MATHEWS IS BEING MOVED
TO THE OTHER RIVER SITE &
RICKS IS BEING MOVED TO THE
LITTLE BEAR RIVER NEAR US.
HIGHWAY 89/91 NEAR WELLSVILLE
WORK IS GOING WELL
UP EAST CANYON. HULL, THURSTONS,
& JOHNSONS ARE ALL WORKING
I MET ^{WITH} DARRELL
KUNZLER & JOHN RICKS, LOCAL
PROPERTY OWNERS TO DISCUSS
DREDGING OF THAT RIVER
FOR 4 HOURS TODAY

PRESTON & JIM ARE IN THE
OFFICE DURING PERMIT
WORK

TIME IS AS FOLLOWS

ROSS	9	HOURS
JIM	8	
PRESTON	8	
MATHEWS	8	
RICKS	8	
MITTON	8	
THURSTONS	8	
HULL	8	
JOHNSONS	8	
COUNTY TRANSPORT	5	
COUNTY VEHICLES	16	(2)
DARRELL KUNZLER	4	(VOLUNTEER)
JOHN RICKS	4	(VOLUNTEER)

EXCAVATED MATERIAL HAULED
AWAY

CACHE COUNTY 12-12 YARD LOADS

144 CUBIC YARDS

FEB 5, 1985

WORK STOPED ON RIVER
TODAY

FEB 25, 1985

TODAY WE BEGAN RIVER DREDGING AGAIN ON THE LITTLE BEAR RIVER, AT BOTH THE WELLSVILLE & EAST CANYON SITES. JIM BISHOP IS RUNNING THE WELLSVILLE CREW & I AM RUNNING THE EAST CANYON CREW.

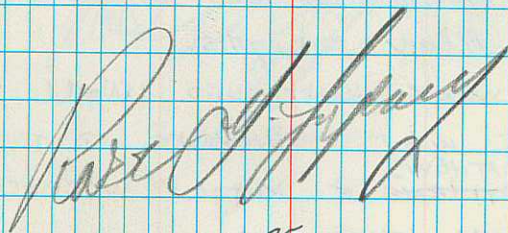
TODAY WE BEGAN BY MOVING DENNIS MITTONS DOZER TO THE JOB SITE. HE BEGAN WORK @ 9:00 AM. BILL MATHEWS BACKHOE WAS MOVED NEXT @ 11:00 AM. & VERN RICKS BACKHOE WAS MOVED LAST @ 2:00 PM. ALL EQUIPMENT WORKED UNTIL 5:30 PM.

TODAYS WORK CONSISTED OF REMOVING DISCHARGED MATERIAL FROM THE FIRST HEAVILY SCOURED AREA IN MARION OLSENS PROP. ALL MATERIAL WAS LIFTED ONTO THE BANK APPROX. 5' FT. FROM THE SCOURED EDGE. THIS WAS DONE TO REMOVE THE VIOLATION PLACED ON THIS PROJECT IN EARLY FEB. BY THE U.S. ARMY CORPS OF ENGINEERS

TIME IS AS FOLLOWS

ROSS LAPRAY	10 HOURS	{ MEETING W/ MARION OLSEN FROM 5:30 TO 6:30 PM
BILL MATHEWS	5 1/2 HOURS	1 HOUR LUNCH
DENNIS MITTON	7 1/2 HOURS	1 HOUR LUNCH
VERN RICKS	3 1/2 HOURS	NO LUNCH
COUNTY TRANSPORT	9 HOURS	
MARION OLSEN	1 HOUR	(VOLUNTEER)
COUNTY VEHICLES	10 HOURS	

WELCOME BACK BOYS !!



2-25-85

FEB 26, 1985

WORK BEGAN @ 8:00 AM. TODAY
WITH ALL EQUIPMENT WORKING.
BY 12:00 NOON ALL DISCHARGED
MATERIAL HAD BEEN CLEANED
UP & ^{WINDROWED} ~~WINDROWED~~ ON TOP OF THE
BANK. AFTER A 1/2 HOUR LUNCH
BREAK WORK BEGAN ON REMOVING
DEBRIS & GRAVEL BARS IN THE
OLD RIVER CHANNEL. THIS WILL
GREATLY INCREASE ^{CHANNEL} ~~CHANNEL~~ CAPACITY
IN THIS AREA. PLEASE NOTE:
NO NEW ^{CHANNELS} ~~CHANNELS~~ WERE EXCAVATED
TO ALLOW FOR THIS.

WORK CONTINUED UNTILL 4:30
PM. WHEN VERN RICKS QUIT BUT
MATHEWS & MITTON WORKED
UNTILL 5:00 PM.

TIME IS AS FOLLOWS

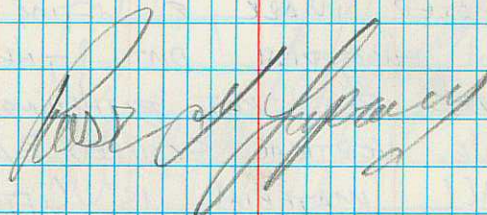
ROSS LAPRAY 9 HOURS

BILL MATHEWS 8 1/2 HOURS

DENNIS MITTON 8 1/2 HOURS

VERN RICKS 8 HOURS

COUNTY VEHICLES 9 HRS



2-26-85

FEB. 27, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING
@ THE EAST CANYON SITE EXCAVATING
MATERIAL FROM THE LITTLE BEAR
RIVER & REMOVING DEBRIS.

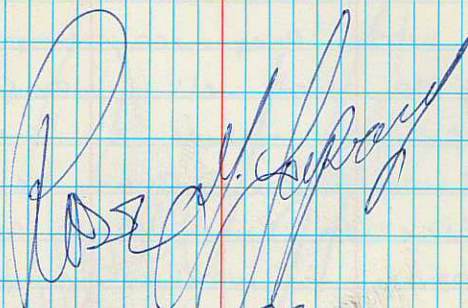
WE ARE TAKING OUT GRAVEL
BARS THAT ARE DEEMED TO
BE ^{HAZARDOUS} HAZERDIOUS TO ADJACENT
BANKS DOWN TO THE LOW
WATER MARK, & LIFTING OUT
FILL MATERIAL ONTO THE
BANK, BUT NOT BATTERING
THE VERTICAL SCOURED BANKS.
ALL MATERIAL IS LIFTED
OUT. WORK CONTINUED ^{UNTIL}
5:00. WE ALL TOOK A 1/2
HOUR LUNCH

NOTE DENNIS BROKE A
HOSE & HAD A 1 HOUR
DELAY IN ALL EQUIPMENT

RH
10:00 AM.

TIME IS AS FOLLOWS

BILL	7 1/2	HOURS
DENNIS	7 1/2	HOURS
VERN	7 1/2	HOURS
ROSS	10	HOURS
PERSON	2	HOURS
COUNTY VEHICLE	10	HOURS


2-27-85

FEB. 28, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT
WORKING REMOVING PREVIOUSLY
PLACED DREDGED MATERIAL.
AT 9:00 AM VERN RICKS
BROKE A STEEL BRACE PLATE
ON HIS BACKHOE BOOM &
HAD TO SHUT DOWN.

WORK CONTINUED UNTIL UNTIL
5:30 WITH ALL WORKING
OPERATORS TAKING A 1/2 HOUR
LUNCH. VERN RICKS CAME
BACK ON LINE @ 4:00 PM
TODAY & WORKED A HOUR &
A HALF.

I LINED UP PREVIOUS
WORK WITH ALL OPERATORS
BECAUSE I WILL BE IN
S.L.C.

EVERYBODY LEFT @ 6:30
PM.

TIME IS AS FOLLOWS

ROSS	11	HOURS
BILL	9	HOURS
DENNIS	9	HOURS
VERN	2 1/2	HOURS
COUNTY VEHICLES	11	HOURS

[Handwritten Signature]
2-28-85

MARCH 1, 1985

I WAS IN SALT LAKE
CITY ALL DAY

TIME IS AS FOLLOWS

ROSS	9	HOURS
BILL	8	HOURS
DENNIS	8	HOURS
VERN	8	HOURS

Paul J. [unclear]

3-1-85

MARCH 4, 1985

WORK BEGAN @ 10:00 AM

TODAY: SOME EQUIPMENT WAS
SLOW GETTING STARTED.

WORK CONTINUED ON S.D.

CUSTOMERS PROP. UNTIL 3:00 PM

WHEN ALL EQUIPMENT MOVED
OUT TO THE ROAD TO GET ~~READY~~ READY
TO BE TRANSPORTED TOMORROW
WE TOOK A 1/2 HOUR LUNCH

IT SHOULD BE NOTED THAT
THE CORPS VISITED THE SITE
FRIDAY & HAD SEVERAL COMMENTS
REGARDING THE WORK, HOWEVER
OUR OFFICE STRONGLY DISAGREES
WITH ALL OF THESE

TIME IS AS FOLLOWS

BILL	4 1/2 HOURS
VERN	4 1/2 HOURS
DENNIS	4 1/2 HOURS
ROSS	8 HOURS

[Handwritten signature]
3-4-85

MARCH 5, 1985

WORK BEGAN @ 8:00 AM WITH THE COUNTY TRANSPORT MOVING ALL VEHICLES DOWN RIVER TO THE OIL ROAD & BRIDGE THAT WASHED OUT LAST YEAR. WORK CONTINUED AT THAT SITE ALL DAY UNTIL 3:00 PM WHEN WORK STOPPED

CHANNEL HAD TO BE STRAIGHTENED @ APPROACH TO BRIDGE ALL GRAVEL THAT WAS EXCAVATED WAS HAULED AWAY & WORK WAS CLEANED UP BY THE DOZER.

1/2 HOUR LUNCH TODAY

CACHE COUNTY WILL RIP RAP THE EXPOSED BANK HERE

TIME IS AS FOLLOWS

BILL	1 1/2 HOURS
DENNIS	1 1/2 HOURS
VERN	1 1/2 HOURS
ROSS	8 HOURS
COUNTY TRANSPORT	5 HOURS
CACHE COUNTY HAULED AWAY	27-12 YD LOADS TOTALING 324 CU. YDS.

ROSE J. JONES

3-5-85

MARCH 6, 1985.

WORK BEGAN @ 8:00 AM TODAY
BELOW THE IRRIGATION DAM ON
RULON OSMOND'S PROPERTY. WE ARE
REMOVING GRAVEL BARS & DEBRIS
AS WE GO.

WE ALL TOOK A 1/2 HOUR LUNCH
EXCEPT VERN HE TOOK A 1/4 HOUR
LUNCH.

RIVER LOOKS GOOD & WORK
IS PROGRESSING WELL.

PRESA CALLED THE ^{CORP} ~~CORP~~ TODAY
& HE SAID THEY WERE HAPPY

WORK QUIT @ 5:00 PM

TIME IS AS FOLLOWS

VERN RICKS	8 3/4 HOURS
BILL MATHEWS	8 1/2 HOURS
DENNIS MITTON	8 1/2 HOURS
ROSS	9 HOURS
COUNTY VEHICLES	9 HOURS

[Handwritten signature]
3-6-85

MARCH 7, 1985.

THURSDAY

WORK BEGAN @ 8:00 AM. TODAY
WITH ALL EQUIPMENT WORKING
IN THE RIVER. BILL & VERN
ARE REMOVING DEBRIS FROM
THE HEAVILY SCOURED AREA
JUST DOWN^{STREAM} FROM WHERE
THE EAST & SOUTH FORKS OF THE
LITTLE BEAR RIVER MEET.

DENNIS IS DISLODGING DEBRIS
THAT IS OUT OF REACH FOR THE
BACKHOES. & PUSHING IT TO THEM.

AFTER A 1/2 HOUR LUNCH
WORK WAS CONCENTRATED TO
REMOVING BANK DAMAGING GRAVEL
BARS & SMALLER AMOUNTS OF
DEBRIS.

WE REACHED THE PREGON LIFTHOUSE
PROPERTY @ 3:00 PM TODAY & BEGAN
RE-DEFINING THE CHANNEL & REMOVING
DEBRIS FROM THE MASS OF
INTERMITTANT GRAVEL BARS.

WORK CONTINUED UNTIL 5:00
PM..

TODAY WAS A VERY GOOD

DAY ☺
WE GOT ALOT DONE

TIME IS AS FOLLOWS

BILL MATHEWS BACKHOE	8 1/2 HOURS
VERN RICKS BACKHOE	8 1/2 HOURS
DENNIS MITTON DOZER	8 1/2 HOURS
ROSS LAPRAY	10 HOURS
SETH BIRD	1 HOUR
COUNTY VEHICLES	11 HOURS

NO GRAVEL HAULED TODAY

Ross Lapray
3-7-85

MARCH 8, 1985

FRIDAY

WORK BEGAN @ 8:00 AM WITH ALL EQUIPMENT WORKING REMOVING GRAVEL BARS & DEBRIS FROM THE RIVER @ THE PRESTON LOFTHOUSE PROP. WORK IS CONTINUING WELL & WE WILL BE DONE WITH EXCAVATING GRAVEL ON PRESTON LOFTHOUSE.

THE ARMY CORPS OF ENGINEERS HAS GIVEN US PERMISSION TO DISCHARGE DREDGED MATERIAL BEHIND SOME EXISTING CABLED IN TREES THAT ARE BELOW THE "HIGH WATER" MARK

VERN RICK BLEW A HOSE THIS AFTERNOON & TOOK A 1/2 HOUR OFF + HIS LUNCH TO GET IT FIXED.

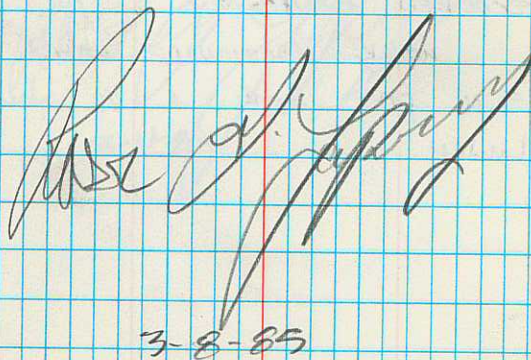
WORK QUIT @ 5:30 PM WITH A 1/2 HR. LUNCH

DENNIS HAS WORN THROUGH A MASTER LINK ON HIS TRACKS & TOOK OFF 1 HOUR EARLY

TIME IS AS FOLLOWS

BOSS LAPDAY	10 HOURS
BILL MATHEWS	8 1/2 HOURS
DENNIS MITTON	7 1/2 HOURS
VERN RICKS	8 HOURS
COUNTY VEHICLES	10 HOURS
NO GRAVEL HAULED	

TODAY



3-8-85

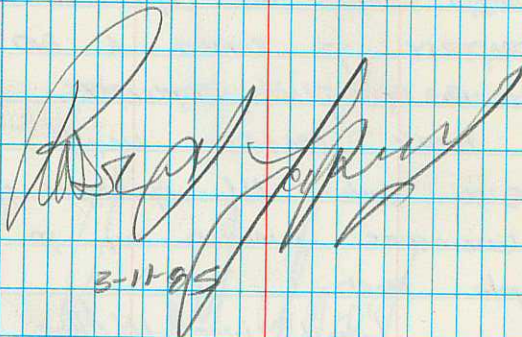
MARCH 11, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING
EXCEPT VERN RICKS HE IS
DOING WORK FOR SOME OTHER
PROP. OWNER ALONG THE RIVER
AS A DONATION. BILL & DENNIS
ARE CLEANING UP THE MESS
& PLANTING DEFLECTORS IN
SCOURED BANKS.

WORK CONTINUED UNTIL
5:00 PM WITH A 1/2 HOUR
LUNCH

TIME IS AS FOLLOWS

ROSS	9 1/2 HOURS
BILL	8 1/2 HOURS
DENNIS	8 1/2 HOURS
VERN	→
COUNTY VEHICLE	9 1/2 HOURS


3-11-85

MARCH 12, 1985

WORK BEGAN @ 8:00 AM TODAY
WITH ALL EQUIPMENT WORKING
REMOVING OVERHANGING TREES JUST
SOUTH OF THE HOG HOLLOW BRIDGE
AT 10:00 AM THEY MOVED
NORTH INTO JIM LOFTHOUSE'S
PROPERTY TO REMOVE A BAD
CORNER & PLACE DEFLECTORS.

WORK CONTINUED UNTIL
5:00 WHEN ALL OPERATORS &
ENGINEERS WALKED OUT TO
THE ROAD.

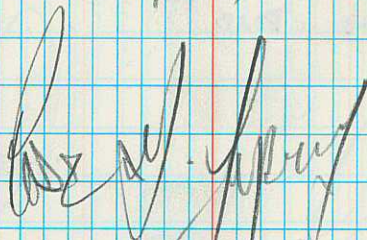
LUNCH WAS 1/2 HOUR.

TODAY

TIME IS AS FOLLOWS

ROSS	10 HOURS
BILL	8 1/2 HOURS
DENNIS	8 1/2 HOURS
VERN	8 1/2 HOURS
CAMP VEHICLE	10 HOURS

NO GRAVEL HAULED
TODAY


3-12-85

MARCH 13, 1985

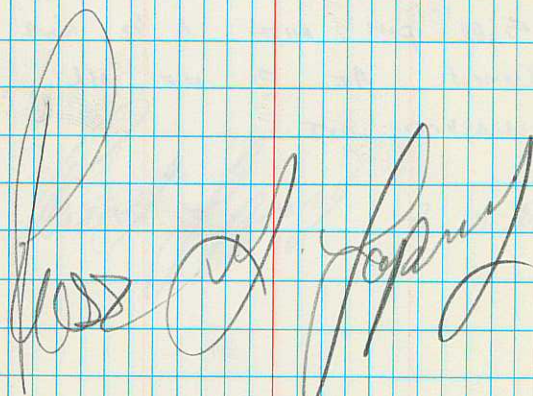
WORK BEGAN THIS MORNING ON
LEE NELSONS PROPERTY REMOVING
GRAVEL BARS & DEBRIS FROM
THE CHANNEL WE ARE IN A
REAL BAD AREA & WE WILL
BE HERE ALL DAY.

WE ALL TOOK A 1/2 HOUR
LUNCH BREAK & WORKED UNTIL
5:00 WHEN WE WALKED OUT
TO THE ROAD

TIME IS AS FOLLOWS

ROSS	10 HOURS
DENNIS	8 1/2 HOURS
BILL	8 1/2 HOURS
VERN	8 1/2 HOURS
COUNTY VEHICLES	10 HOURS

NO GRAVEL HAULED
TODAY



3-13-85

MARCH 14, 1985.

WORK BEGAN TODAY @ THE
LEE NELSON PROPERTY FINISHING
UP WORK STARTED YESTERDAY
DEFLECTORS ARE BEING PLACED TO
ELIMINATE FURTHER SCOURING
OLD CARS ARE BEING
REMOVED FROM THE RIVER
TO INCREASE CHANNEL CAPACITY
WORK CONTINUED UNTIL
5:00 PM WITH A 1/2 HOUR
LUNCH. AT 5 WE ALL
WALKED OUT.

TIME IS AS FOLLOWS

ROSS	10 HOURS
BILL	8 1/2 HOURS
DENNIS	8 1/2 HOURS
VERD	8 1/2 HOURS
TWILL	10 HOURS

NO GRAVEL HAULED
TODAY

Robert J. [unclear]

3-14-85

MARCH 15, 1985

TODAY IS THE LAST DAY
THAT WORK IS TO BE DONE
ON THE RIVER. WORK BEGAN
@ 8:00 AM ON JOHN VICKERS
PROPERTY PLACING BIPRAP,
DEFLECTORS, & REMOVING TREES
& GRAVEL BARS. WORK
CONTINUED UNTIL 5:00 PM
WITH A 1/2 HOUR LUNCH.

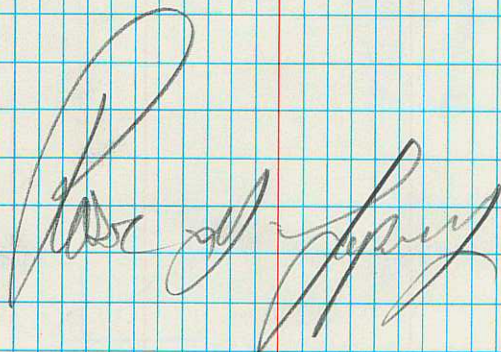
BILL MATHEWS BROKE
DOWN FOR 1 HOUR BUT
STAYED UNTIL 6:00 PM
TO MAKE UP FOR IT.

GO LONG BOYS

TIME IS AS FOLLOWS

ROSS	11 HOURS
BILL	8 1/2 HOURS
DENNIS	8 1/2 HOURS
VERA	8 1/2 HOURS
TRUCK	11 HOURS

NO GRAVEL HAULING
TODAY



3-15-85

MARCH 18, 1985

THE COUNTY TRANSPORT
SPENT 5 HOURS HAULING
2 OUT OF THE 3 OUTFITS
HOME UNDER THE ENGINEERS
SUPERVISION (PILOT CAR)

TIME AS FOLLOWS

COUNTY TRANSPORT	5 HOURS
ROSS	5 HOURS

[Handwritten Signature]
3 18-85

TRIGONOMETRIC FORMULAS



Solution of Right-Angled Triangles

For angles A, B, C and sides a, b, c in a right-angled triangle, the following formulas apply:

- $\sin A = \frac{a}{c}$, $\cos A = \frac{b}{c}$, $\tan A = \frac{a}{b}$
- $\sin B = \frac{b}{c}$, $\cos B = \frac{a}{c}$, $\tan B = \frac{b}{a}$
- $\sin C = 1$, $\cos C = 0$, $\tan C$ is undefined

Solution of Oblique Triangles

For angles A, B, C and sides a, b, c in an oblique triangle, the following formulas apply:

- Law of Sines:** $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$
- Law of Cosines:** $c^2 = a^2 + b^2 - 2ab \cos C$
- Area:** $\text{Area} = \frac{1}{2} ab \sin C$

REDUCTION TO HORIZONTAL DISTANCE

Horizontal distance = $\text{Slope distance} \times \cos \theta$

Vertical distance = $\text{Slope distance} \times \sin \theta$

where θ is the angle of slope.

