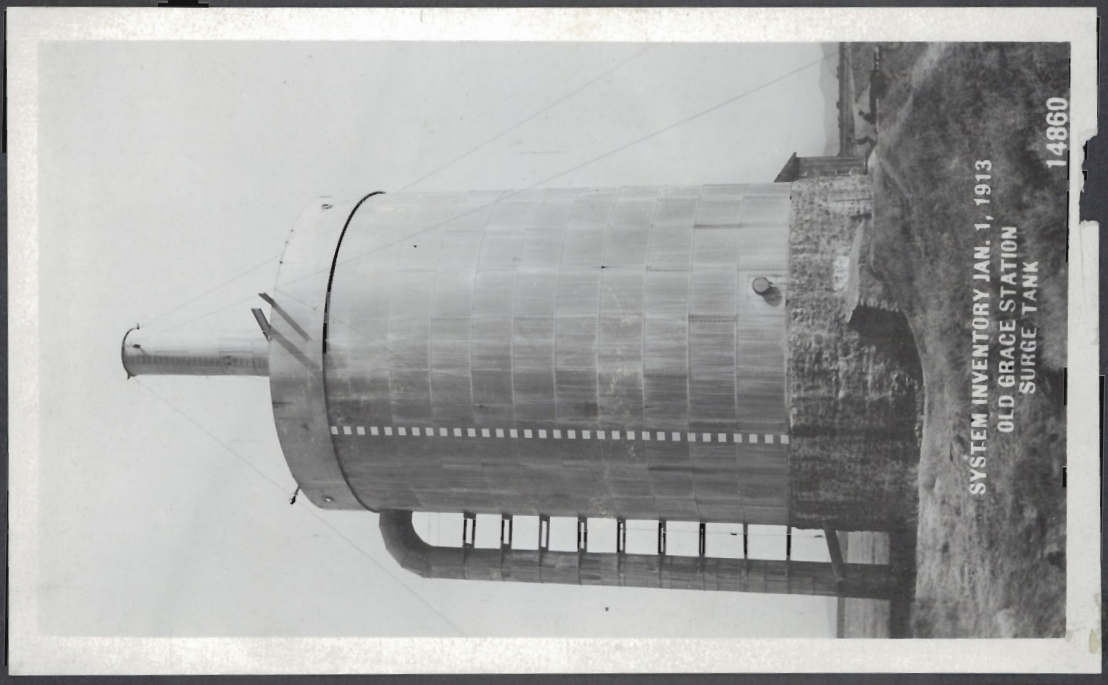
Grace Development

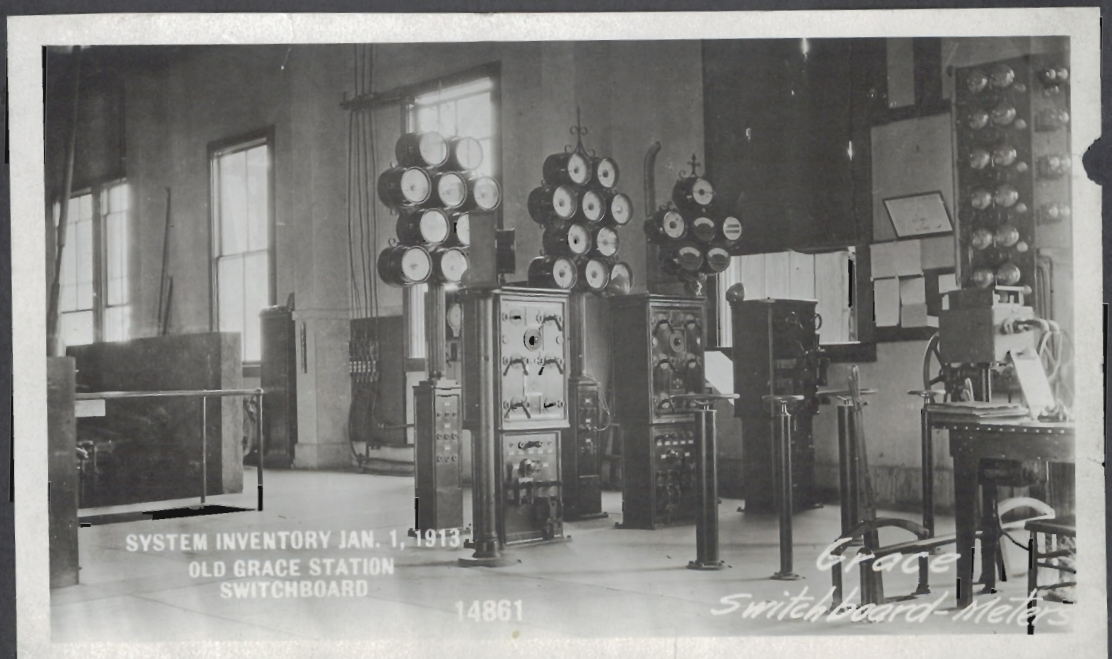
Bear River, Idaho

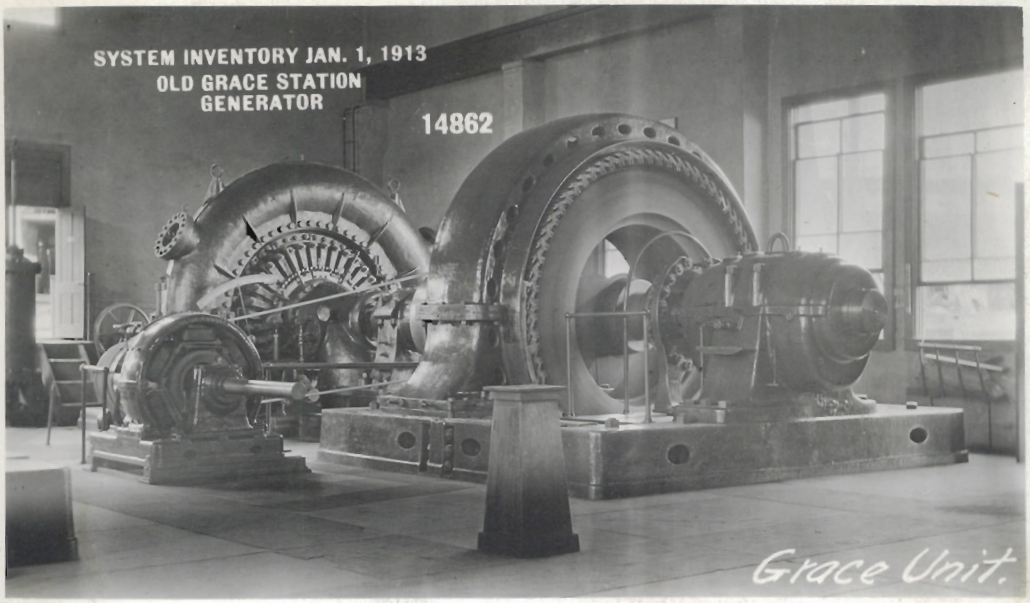
1913

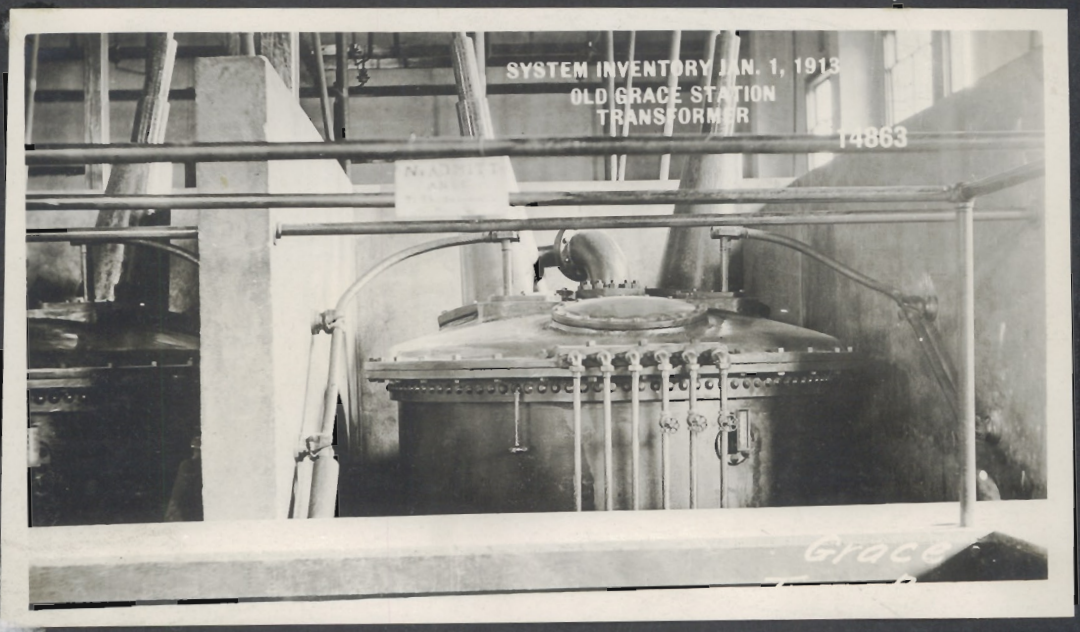
January – April


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
QUARTERS
14859
Grace-Quarters Bldg


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
SURGE TANK
14860


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
SWITCHBOARD
14861
Grace
Switchboard-Meters


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
GENERATOR
14862
Grace Unit.

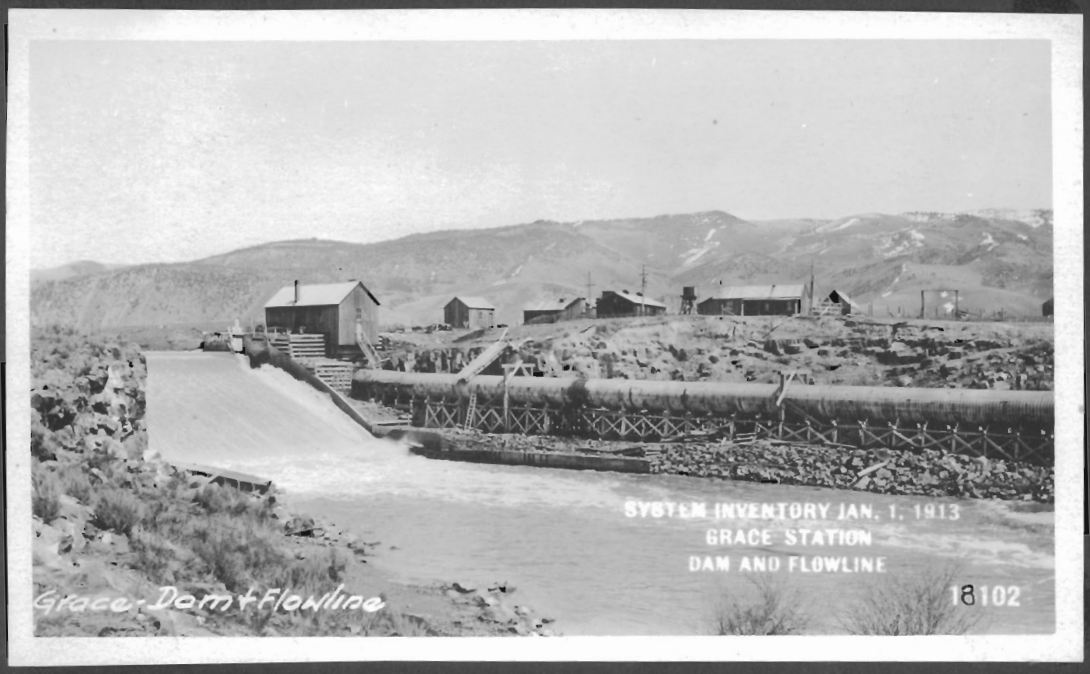

SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
TRANSFORMER
14863


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
STATION BUILDING
14864

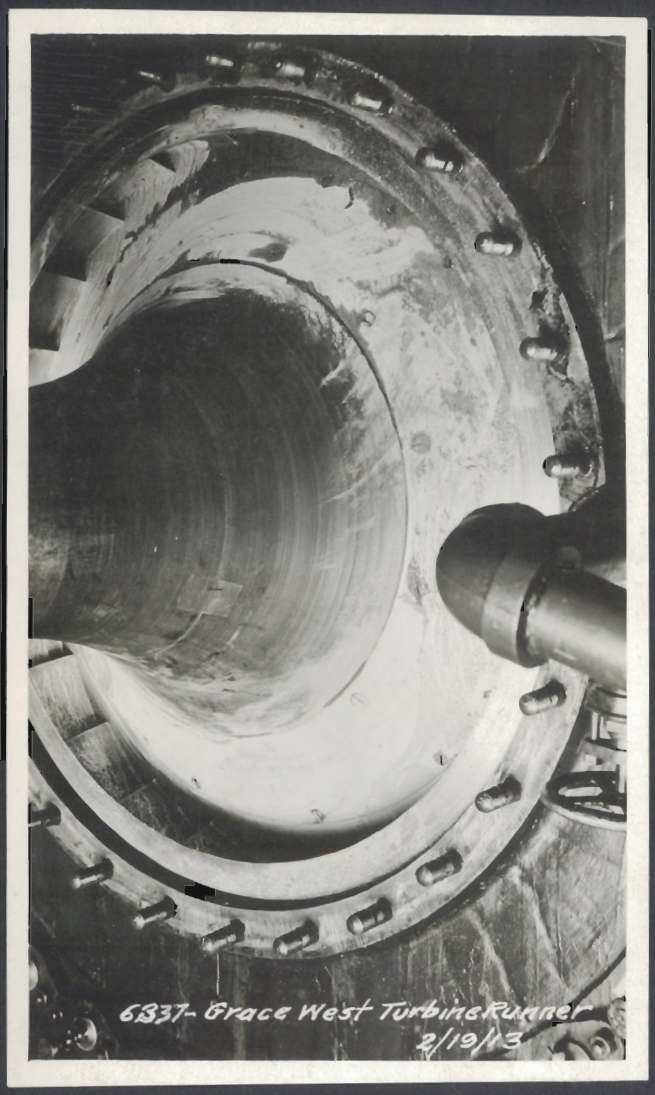

SYSTEM INVENTORY JAN. 1, 1913
GRACE STATION
SWITCHBOARD ETC.
8100
Grace
Switchboard & Meters


SYSTEM INVENTORY JAN. 1, 1913
GRACE STATION
STATION BUILDING
8101
Grace - Power House -


SYSTEM INVENTORY JAN. 1, 1913
GRACE STATION
FISHWAY
8103
Grace.
Fishway.


SYSTEM INVENTORY JAN. 1, 1913
GRACE STATION
DAM AND FLOWLINE
18102
Grace-Dam+Flowline


6336-Grace West Turbine Runner-
2/19/13


6337- Grace West Turbine Runner
2/19/13


SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
COTTAGE
14867


14866
Grace-
Dam.
SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
DAM
14866

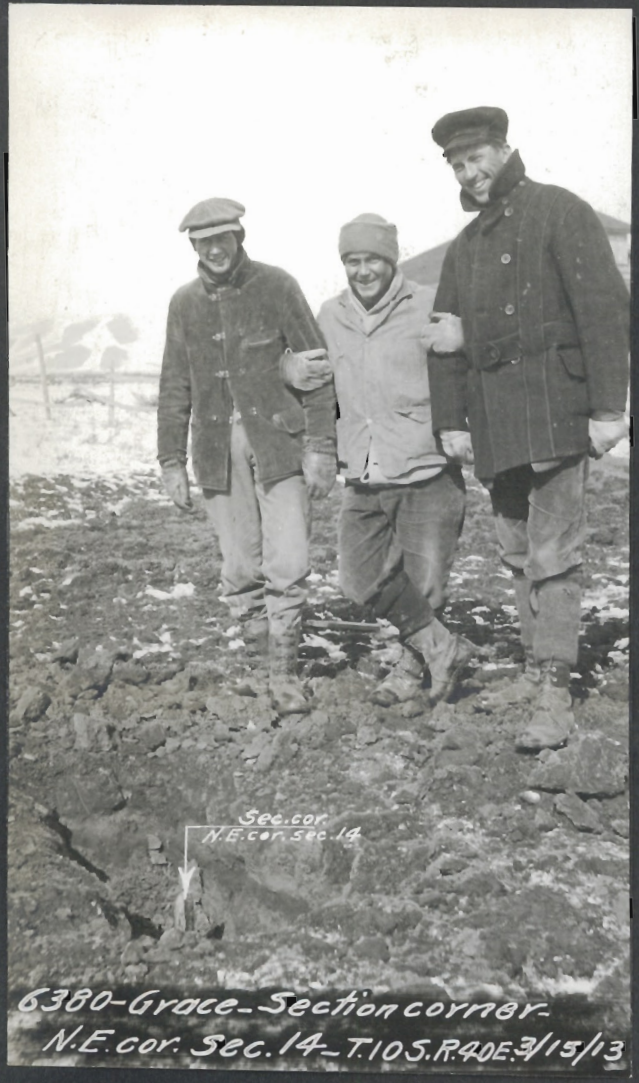

SYSTEM INVENTORY JAN. 1, 1913
OLD GRACE STATION
INTAKE
Grace Intake
14865



6378-Grace-Larson's House
to be removed from Right of Way
3/15/13



6379-Grace-Larson's to be removed from R. of W.
3/15/13



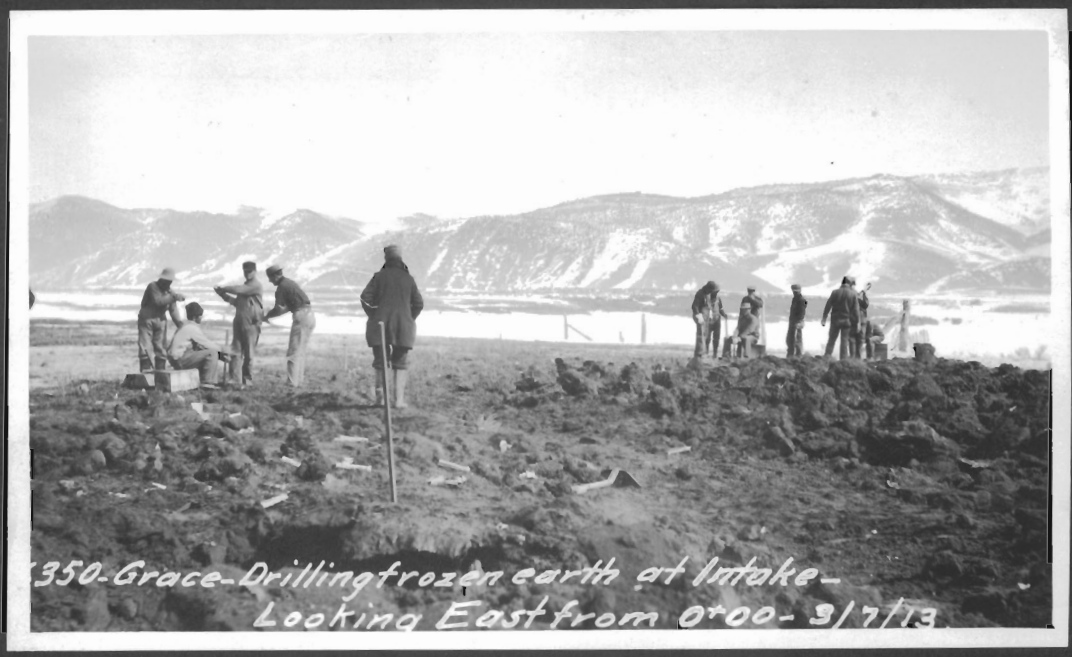
6380-Grace-Section corner-
N.E. cor. Sec. 14-T. 10S. R. 40E. 3/15/13



6381-Grace-Quarters House- 3/15/13



6349-Grace-Excavation Looking S. from 0+00 - 3/7/13.



6350-Grace-Drilling frozen earth at Intake-
Looking East from 0+00 - 3/7/13.



6351-Grace- Ice on crest of Dam - 3/7/13.



6352- Grace- Blasting frozen earth at 24+00- 3/14/1



6353- Grace- Drilling frozen earth for blasting at Sta. 24+00 - 3/14/13



6354- Grace- Drilling frozen earth at 25+00- 3/14/1



6382-Grace-Skilled labor Bunk House-Camp No. 3- 3/15/13



6383-Grace-Foreign labor-Bunk House-Camp No. 3-3/15/13



6384-Grace-Foreign labor-Bunk House-Camp No. 3-3/15/13



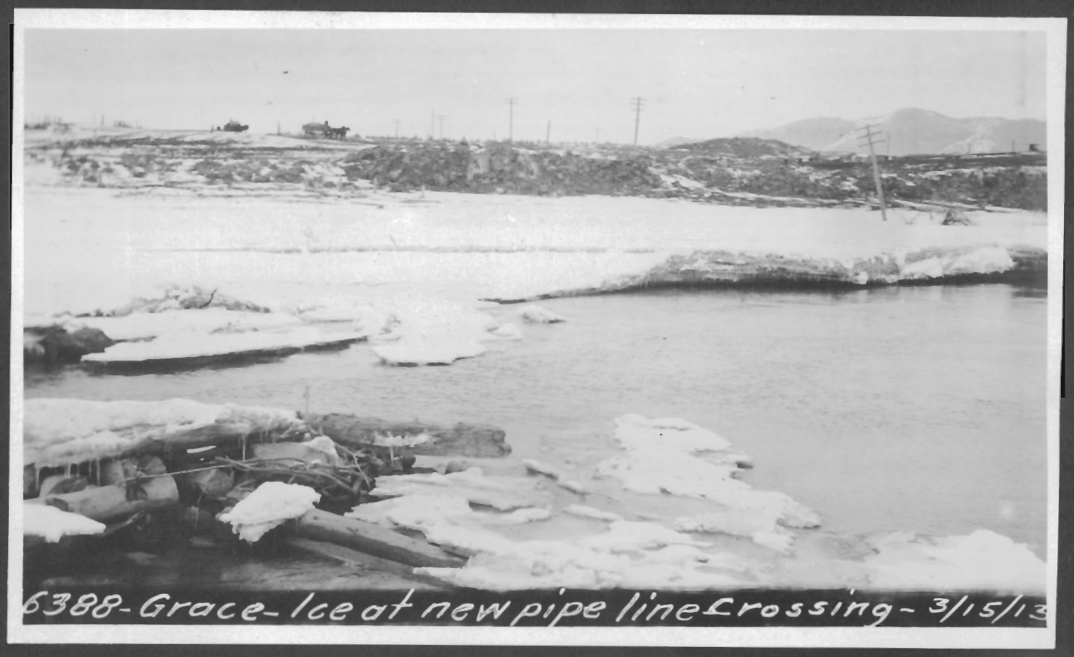
6385-Grace-Cut between Stations 3+75 and 0+00 Looking North. 3/15/13



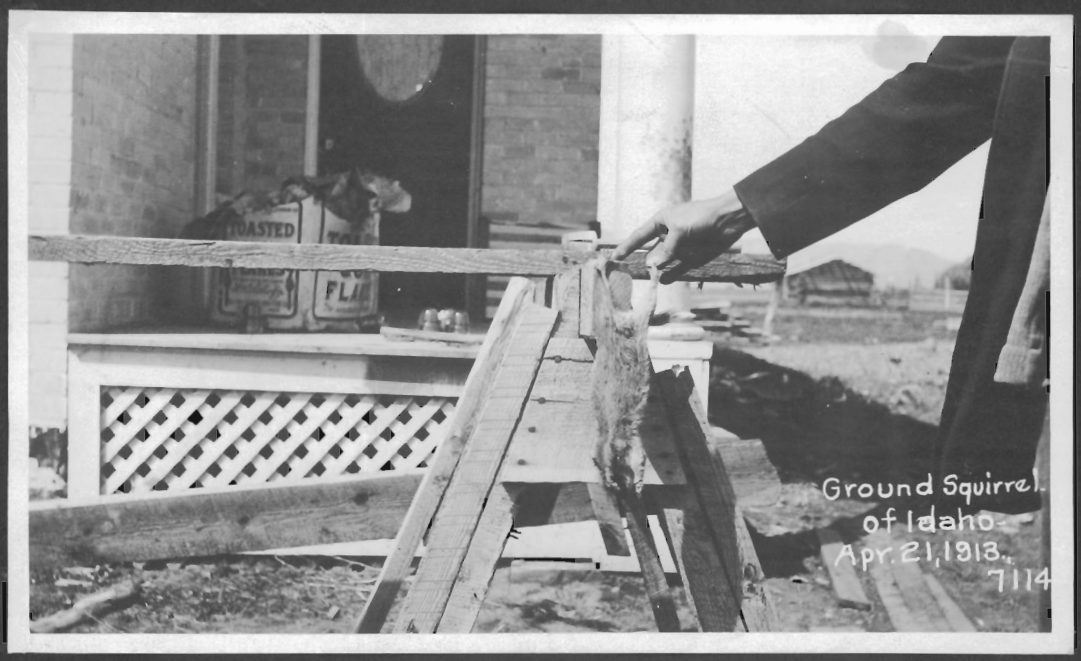
6386-Grace-Intake Cut taken opposite Sta. 0+00 looking N. 3/15/13



6387-Grace-View of Ice and Highway Bridge- 3/15/13



6388-Grace-Ice at new pipe line Crossing-3/15/13






Grace Development
Excavation for Power House
From door of old power house looking S.
Apr. 21, 1913.
7116


Grace Development
Excavation for Pipe Line
from Sta. 178+00 Looking N.
Apr. 21, 1913.
7117


Grace Development
Rock Cut
Sta. 5+00 Looking
Apr. 22, 1913.
7118



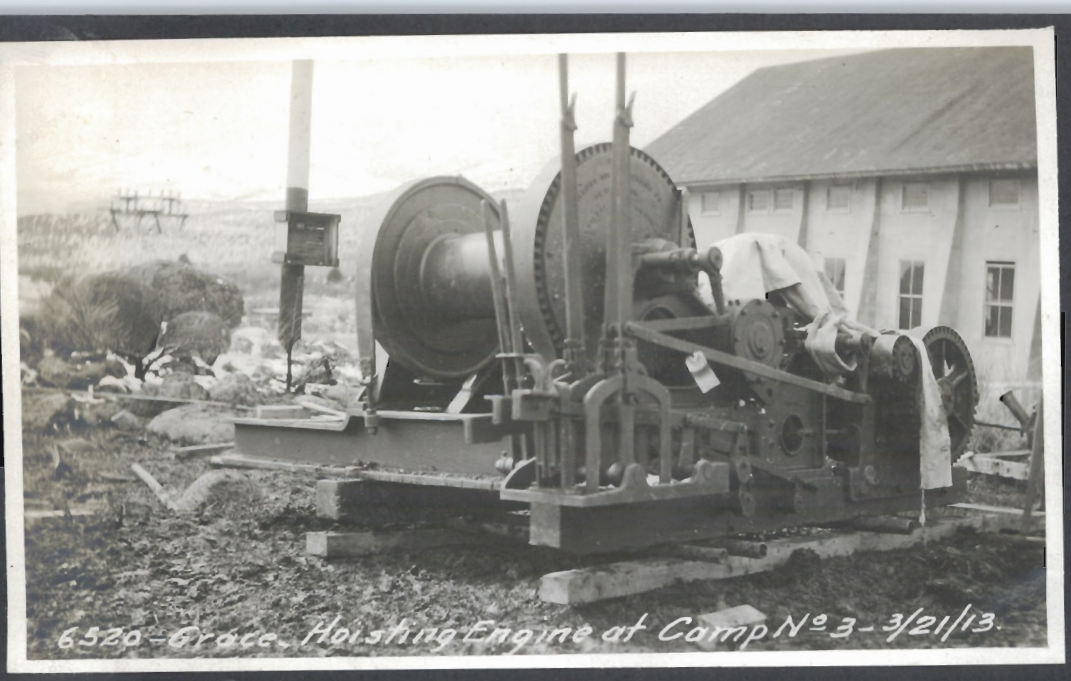
6517- Grace- View of Intake cut looking N.E. taken opposite sta. 0+35.9. Mar. 20-13.



6518- Grace- View of cut- sta. 25 to 20 looking N.E. 3/20/13



6519- Grace- View of Camp No 2- 3/21-/13



6520 - Grace - Hoisting Engine at Camp No 3 - 3/21/13.



6521 - Grace - Office Building at Camp No 3 - 3/21/13



6522 - Grace - Office Building - at Grace - 3/25/13



6523 Grace - Camp No 2. 3/25/13.



6524 - Grace - Test Pit at Surge tank. 3/25/13.



6525 - Grace View of incline railway looking from top of hill towards Sta. 3/25/13



6526- Grace - View of Camp No 3 - taken from presen
Penstock - 3/4 way down hill looking South - 3/25/1

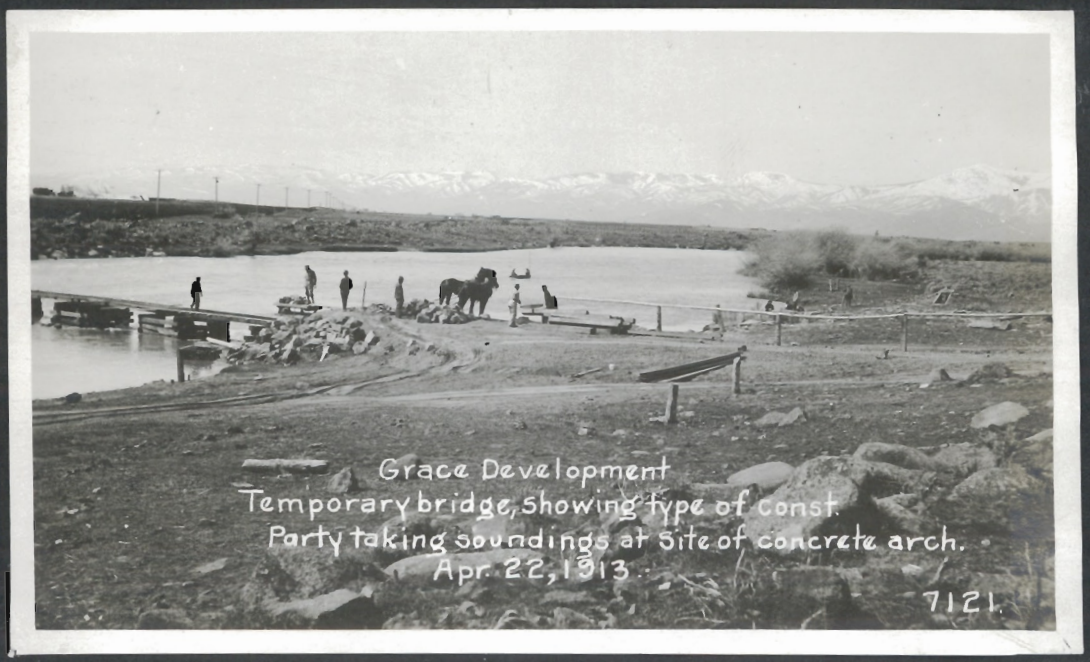


6527- Grace - View of gin pole at Camp No 3 - 3/25/13


6563-Excavation at sta 24+00
Looking N- 3/26/13.


Grace Development
Rock Cut
Sta- 3+50
Apr. 22, 1913.
7119


Grace Development
Gen'l. S.W View from Sta. 2+50
Showing Rock cut, rock spoil bank & Temporary bridge.
Apr. 22, 1913.
7120.


Grace Development
Temporary bridge, showing type of const.
Party taking soundings at Site of concrete arch.
Apr. 22, 1913.
7121.


Grace Development
Temporary bridge
from S. side of River
Apr. 22, 1913.
7122



6558-Grace-View of Laborers on incline railway grade- 3/25/13.



Grace-
6559-View of Intake cut, taken from Sta-0+00 looking N
3/25/13.



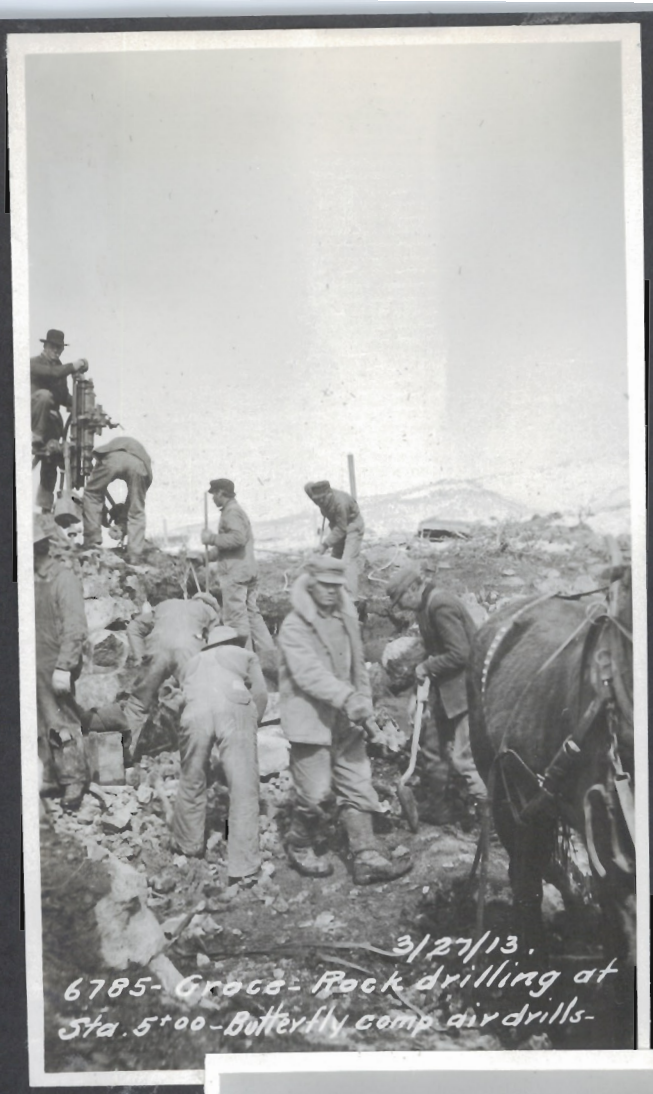
6560-Grace-Rock excavation at Sta. 5+50-looking N.
3/26/13.



6561- Grace-River Crossing showing ice, taken from Sta- 5+00 looking N. 3/26/13.



6562- Grace- River Crossing showing ice - taken from Sta. 14+00- looking N. 3/26/13.



3/27/13.
6785- Grace- Rock drilling at
Sta. 5+00- Butterfly comp. air drills-



6786- Grace- Pipe line cut-
at Sta- 25+70- Looking North
to Sta. 19+50- 3/27/13



6787- Grace- Rock drilling by hand- at sta. 22+40 pipe line cut- 3/31/13



6788- Grace- Pipe Line cut from 0+00 Looking N 3/31/13



6789-Grace-Pipe Line Cut from Sta. 2. Looking N. 3/31/13



6790-Grace-Compressor Plant- 3/31/13



6791-Grace-Temporary bridge being built at Sta. 4+00 3/31/13



6792-Grace- Drilling rock at Sta. 24+00 pipeline cut, taken from Sta. 24+50 looking N. 3/31/13.



6793-Grace-Excavation for pipe Line-Sta. 28+00 Looking N. 3/3


3046
Grace Development
Excavation for Intake
Mar 15th 1913.


Grace Development
Site of New Power House Building and Tailrace
Mar 12th 1913
3041


Grace Development
Bear River at site of crossing for New Flow Line
looking north
Feb. 10th 1913.
3013



6794- Grace- Excavation for Powerhouse- 3/31/13.



6795- Grace- View of teams going through mud taken to show condition of roads- 4/1/13.


Grace Development
Taking soundings for Concrete
Arch. From S. side of River
Apr. 22, 1913.
7123


Grace Development
Excav. for new Powerhouse,
from S.E. Cor.
Apr. 22, 1913.
7124.


Grace Development
Excav. for new Powerhouse,
from S.W. Cor.
Apr. 22, 1913.
7125



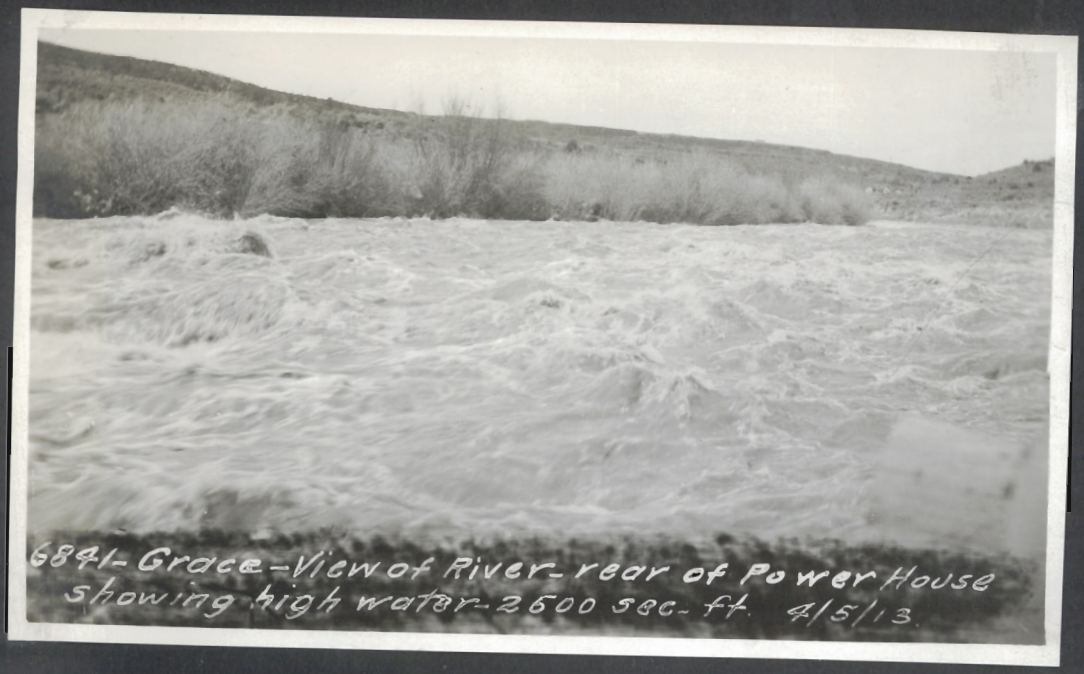
6838-Grace-Laying narrow gage track for steam shovel at Sta-121-looking N. 4/5/13.



6839-Grace-Excavation for Pipe Line with wheel scrapers- Sta-155 looking North-4/5/13



4/5/13.
6840-Grace-Excavation for pipe line-Sta. 160 looking N.



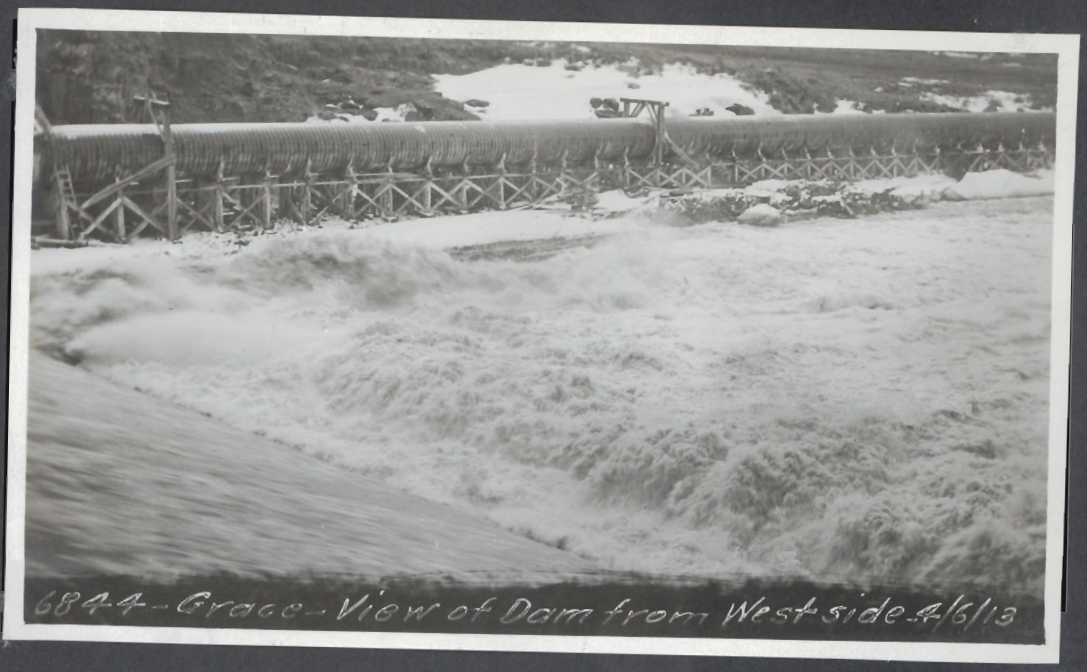
6841- Grace - View of River - rear of Power House showing high water - 2600 sec-ft. 4/5/13



6842 Grace - Erecting derrick at power house site 4/5/13



5843 - Grace - View of Dam from old pipe line looking North — 60 inches water over crest of Dam - 4/6/13



6844- Grace- View of Dam from West side- 4/6/13



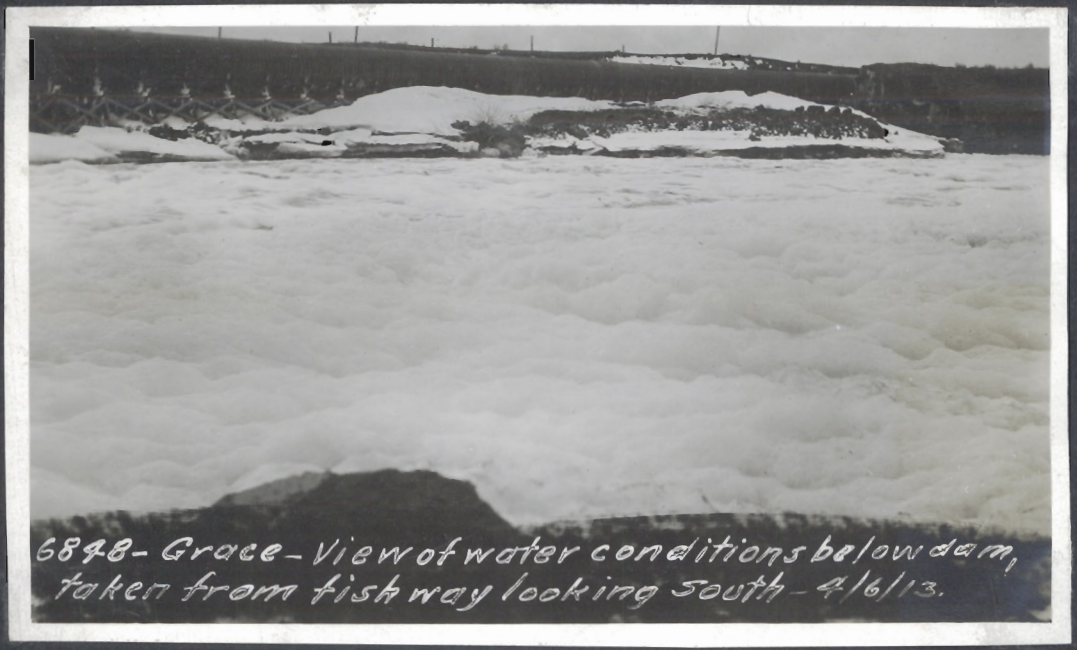
6845- Grace- View of water conditions below Dam, taken from Fishway looking East- 4/6/13.



6846- Grace- Con'l view of Grace Highway bridge. 4/6/13.



6847-Grace-View of River at Grace Highway bridge, showing height of water on crib under middle pier. El. Top of crib 1010.1 Flow 3000 sec. ft. 4/6/13.



6848-Grace-View of water conditions below dam, taken from fish way looking South-4/6/13.



6921-Grace-Excavation at Powerhouse site-
Derrick and skips- 4/8/13



6922-Grace- Method transporting
excavated material- 4/8/13



6923-Grace- Skip being dumped on spoil pile-4/8/13



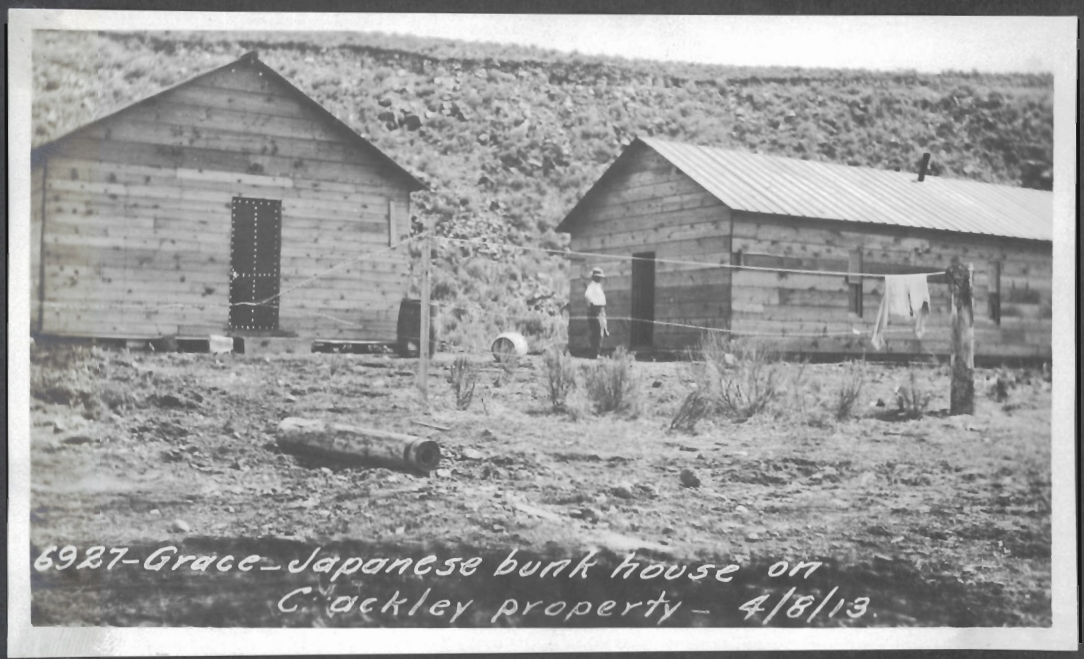
6924-Grace-General arrangement for handling excavation at Power house site-4/8/13.



6925-Grace-Greek bunkhouse on C ackley property 4/8/13



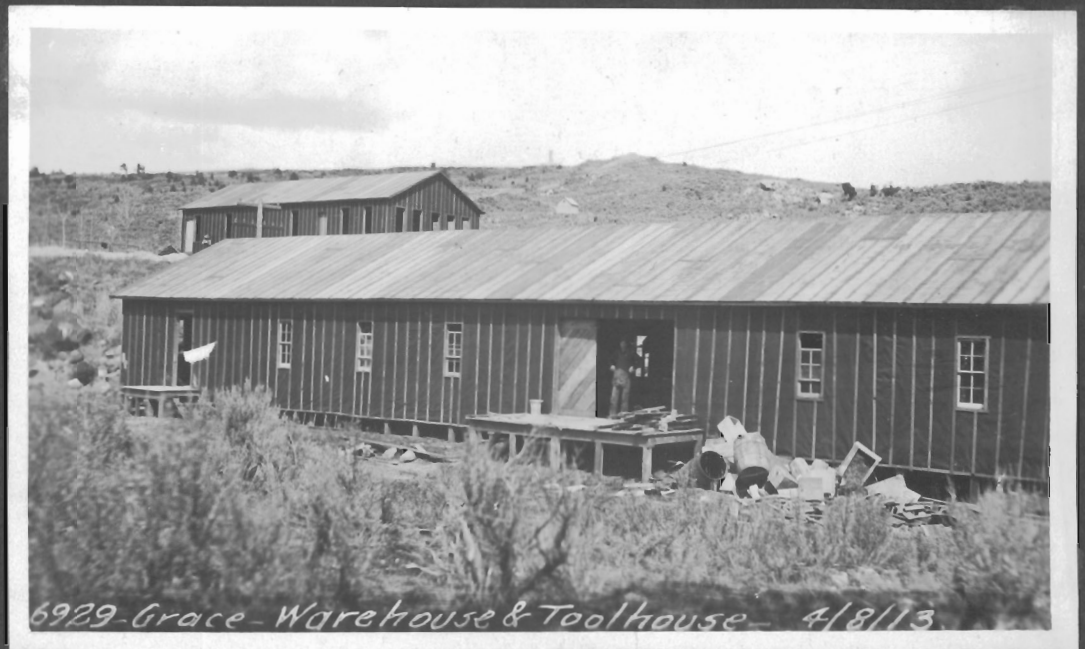
6926-Grace-Opening gravel pit on C ackley property-gravel used for foundations of Cottages-4/8/13



6927-Grace-Japanese bunk house on C. Ackley property - 4/8/13.



6928-Grace-Excavation for sewer at Camp No 3. 4/8/13



6929-Grace-Warehouse & Toolhouse - 4/8/13



6930-Grace- Pipe Line Cut- Sta. 20 to 22+50
Looking North - 4/8/13.



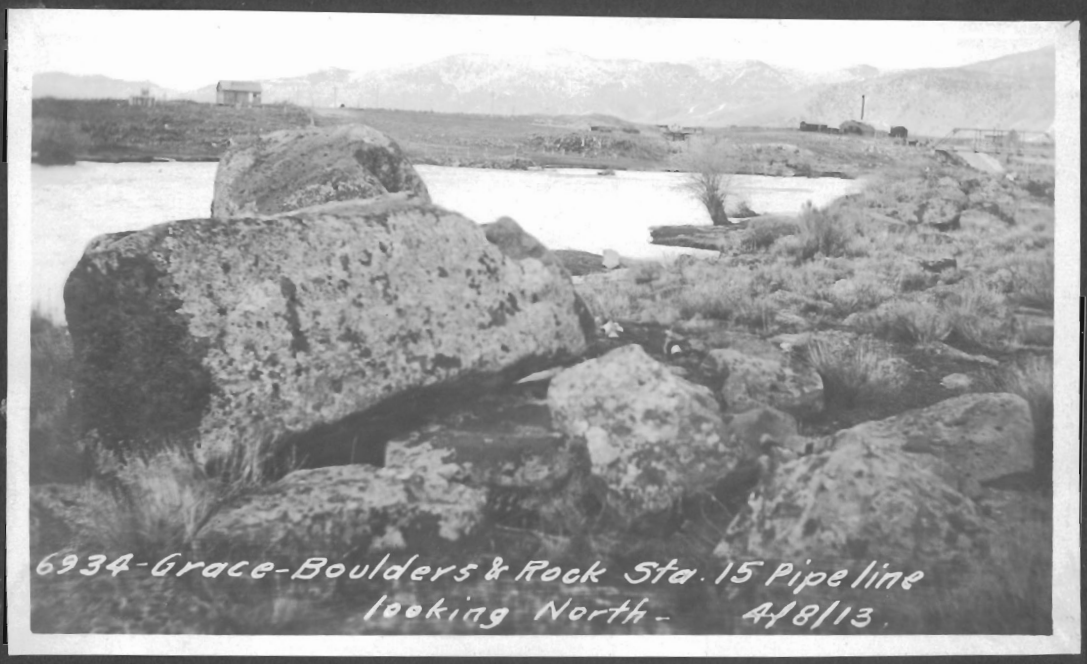
6931- Grace- Pipe Line Cut Sta. 23+50, showing
condition of rock after blast- 4/8/13.



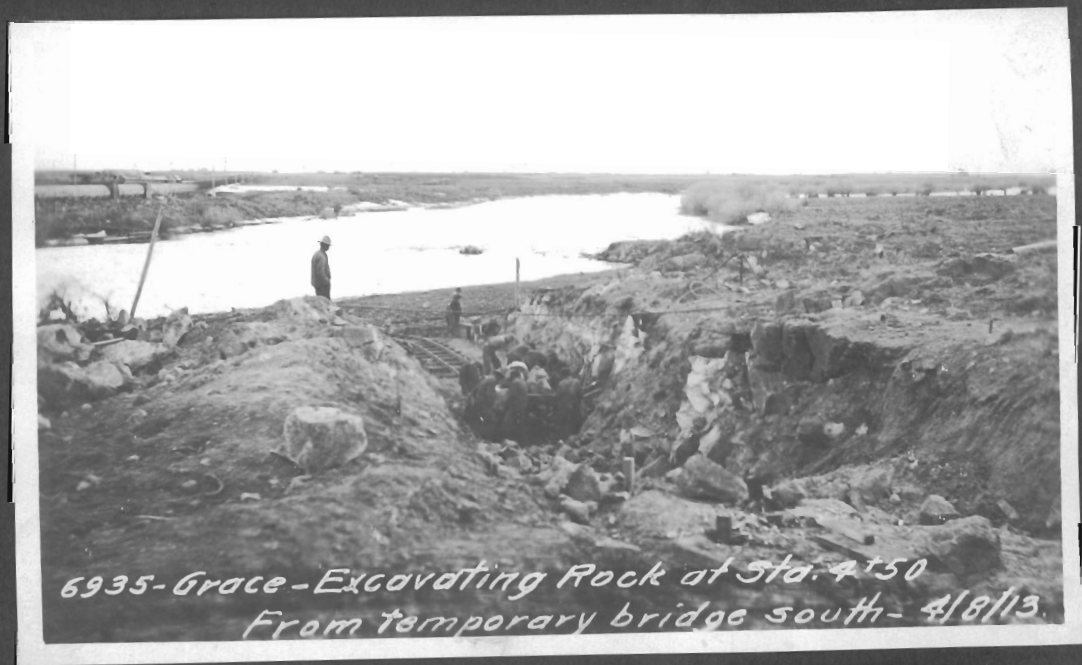
6932- Grace- Excavation Sta-31- pipe line- 4/8/13.



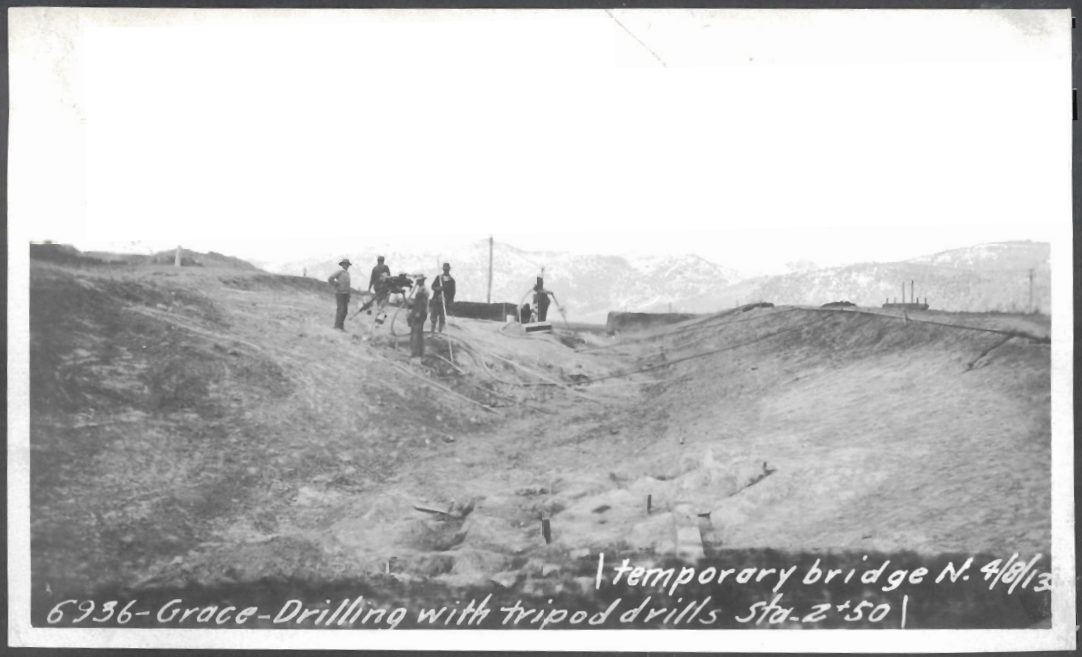
6933-Grace-Boulders & Rock Sta 18 pipe line, before starting work- 4/8/13.



6934-Grace-Boulders & Rock Sta. 15 Pipe line looking North- 4/8/13.



6935-Grace-Excavating Rock at Sta. 4+50 From Temporary bridge South- 4/8/13.



6936-Grace-Drilling with tripod drills Sta-2+50 | temporary bridge N. 4/8/13



6937-Grace-Pipe line cut Sta-0+00 looking South- 4/8/13.



6938-Grace-Dike between intake and dam. from Sta-0+35 looking East- 4/8/13.



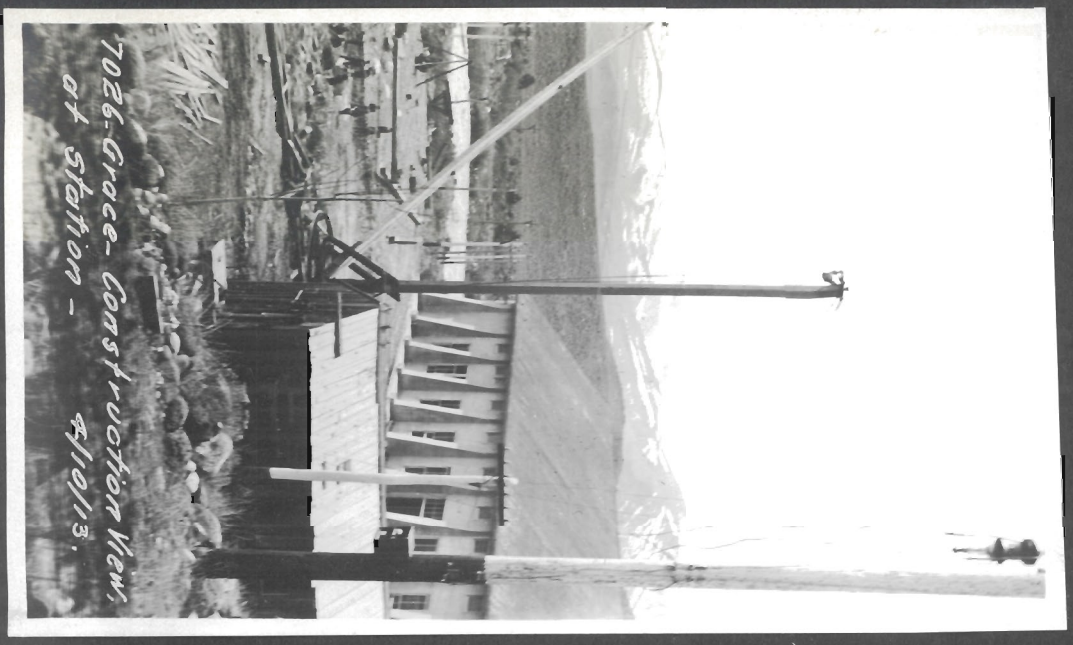
7025- Grace- Temp. 44 K.V. line crossing river at Station- 4/10/13.



7024- Grace- Steam drill excavating for new Pipe line- 4/10/13.



7008- Phoenix Construction Co's. office at Grace Idaho- 4/10/13.

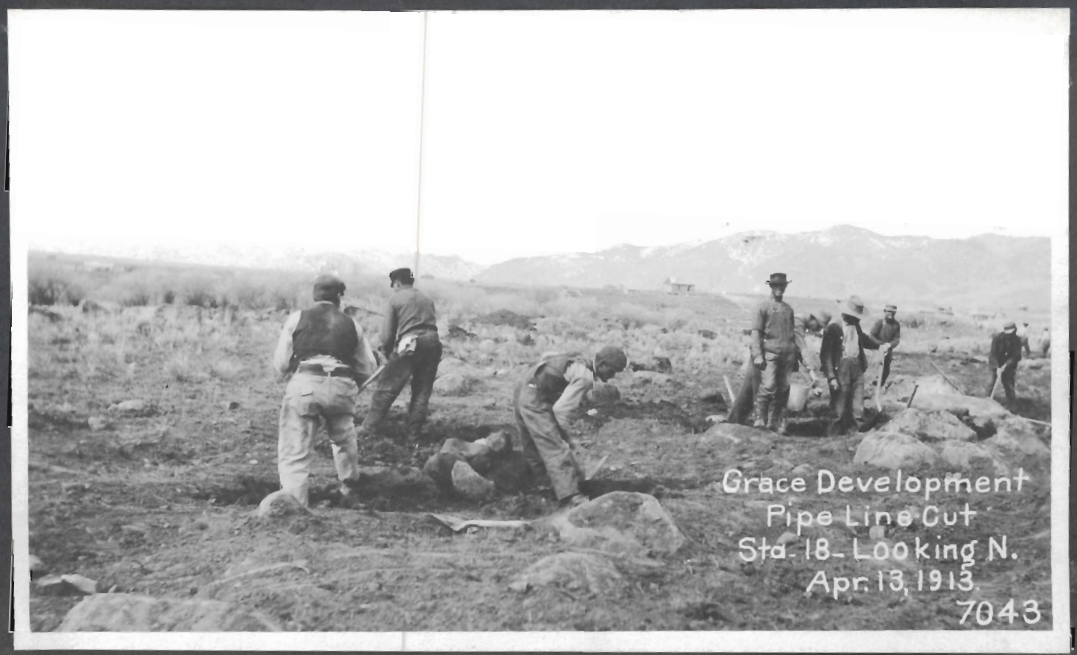

7026-Grace- Construction View
at Station -
4/10/13.


GRACE DEVELOPMENT - SPOILING ROCK NORTH SIDE OF RIVER,
EAST OF PIPE LINE CUT. APR. 13, 1913
7039


Grace Development
Operating Butterfly Drill
in rock cut-Sta 3+50
Apr. 13, 1913.
7040.


Grace Development
Operating Ingersoll-Rand
Tripod air drills. Sta. 2+50
Apr. 13, 1913.
7041

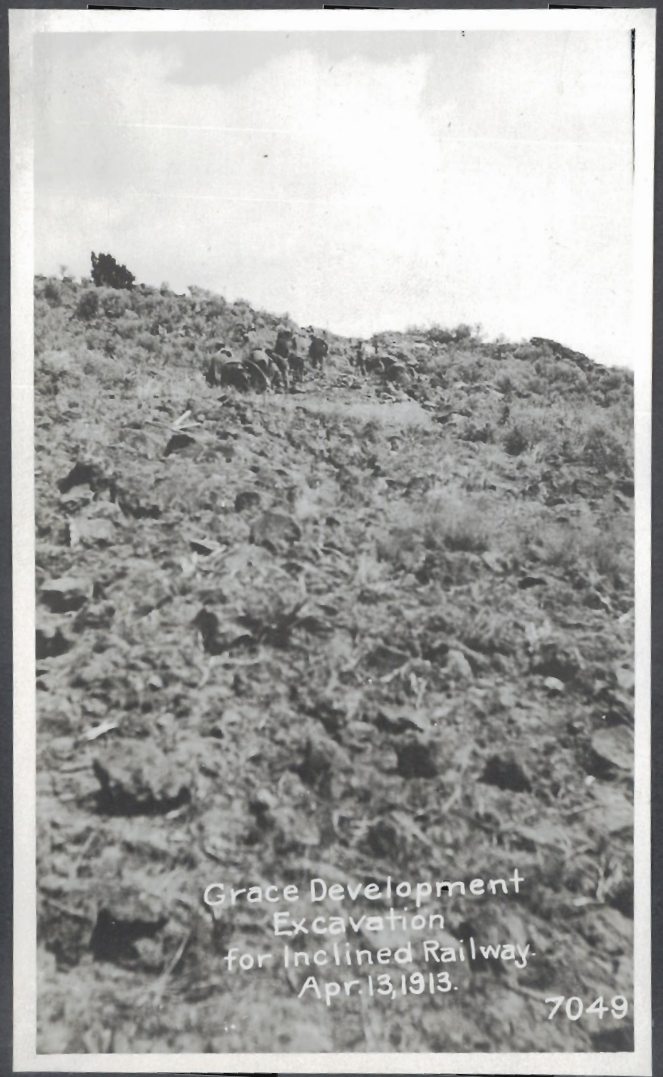

GRACE DEVELOPMENT
HIGHWAY BRIDGE, SHOWING HEIGHT OF WATER,
ALSO BENTS BEING PLACED UNDER FLOOR
BEAMS FOR CARRYING STEAM SHOVEL
APR. 13, 1913
7042

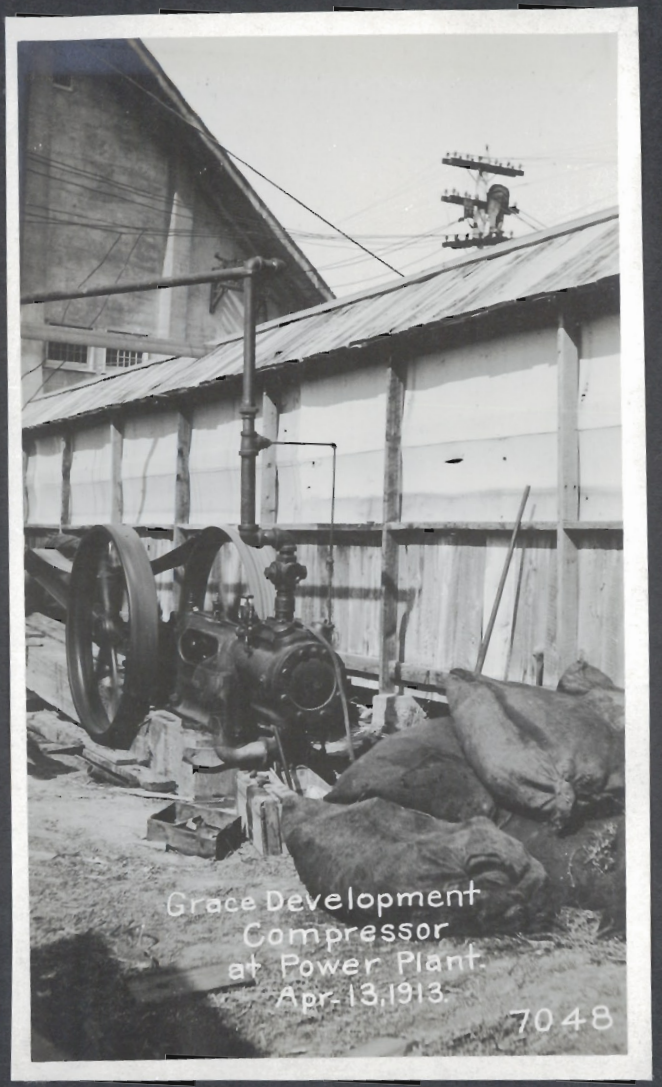

Grace Development
Pipe Line Cut
Sta. 18 - Looking N.
Apr. 13, 1913
7043


Grace Development
Pipe Line Cut
Sta. 20-Looking N.
Apr. 13, 1913.
7044


Grace Development
Pipe Line Cut
Sta. 30-Looking N.
Apr. 13, 1913.
7045

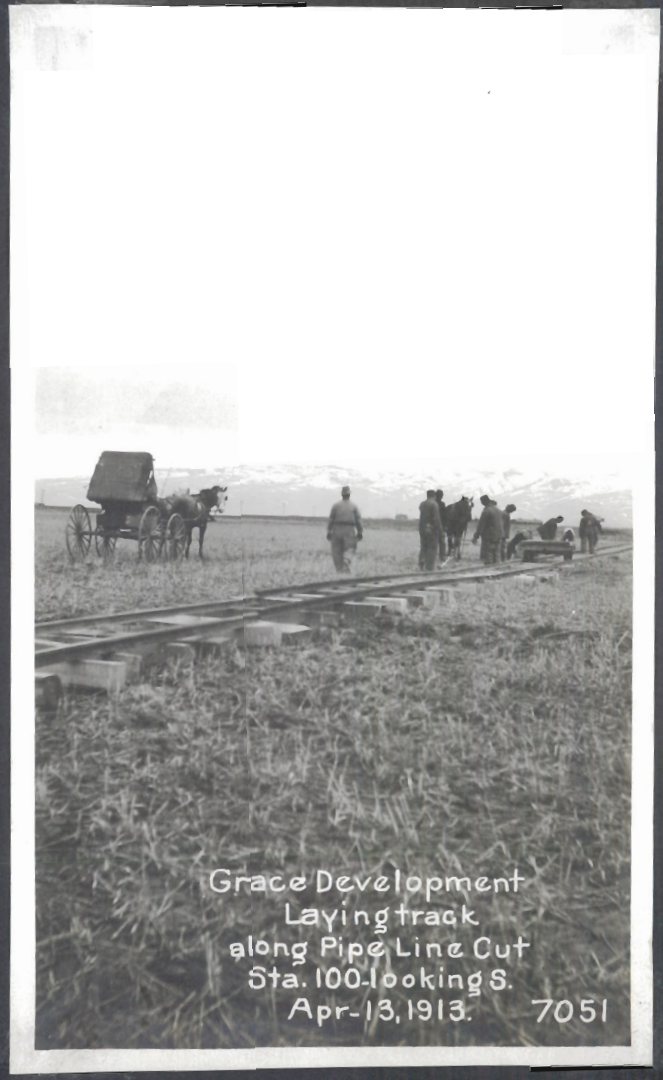

Grace Development
Excavation for Powerhouse
Looking N.
Apr. 13, 1913.
7046


Grace Development
Excavation
for Inclined Railway.
Apr. 13, 1913.
7049


Grace Development
Compressor
at Power Plant.
Apr. 13, 1913.
7048


Grace Development
Excavation for Power house.
Looking N.
Apr. 13, 1913.
7047


Grace Development
Excavation
for Surge Tank
Apr. 13, 1913.
7050


Grace Development
Laying track
along Pipe Line Cut
Sta. 100-looking S.
Apr-13, 1913.
7051


Grace Development
Excavating Pipe Line Cut
Sta. 151-Looking N.
Apr. 13, 1913.
7052


Grace Development
Excavating Pipe Line Cut
Sta. 162 - Looking S.
Apr. 13, 1913.
7053


Grace Development
General View
of Camp No 1.
Apr-13, 1913.
7054


Grace Development
Bucyrus Steam Shovel 55 T. to
be used for excav. Pipeline Cut
Apr. 13, 1913.
7055



Grace Development
Steam Shovel being moved from siding at Alexander
Apr. 13, 1913.
7056



Grace Development
Showing proposed route of
Steam Shovel from siding
to highway.
Apr. 13, 1913.
7057



Grace Development
Dinkeys on siding
at Alexander
Apr. 13, 1913.
7058

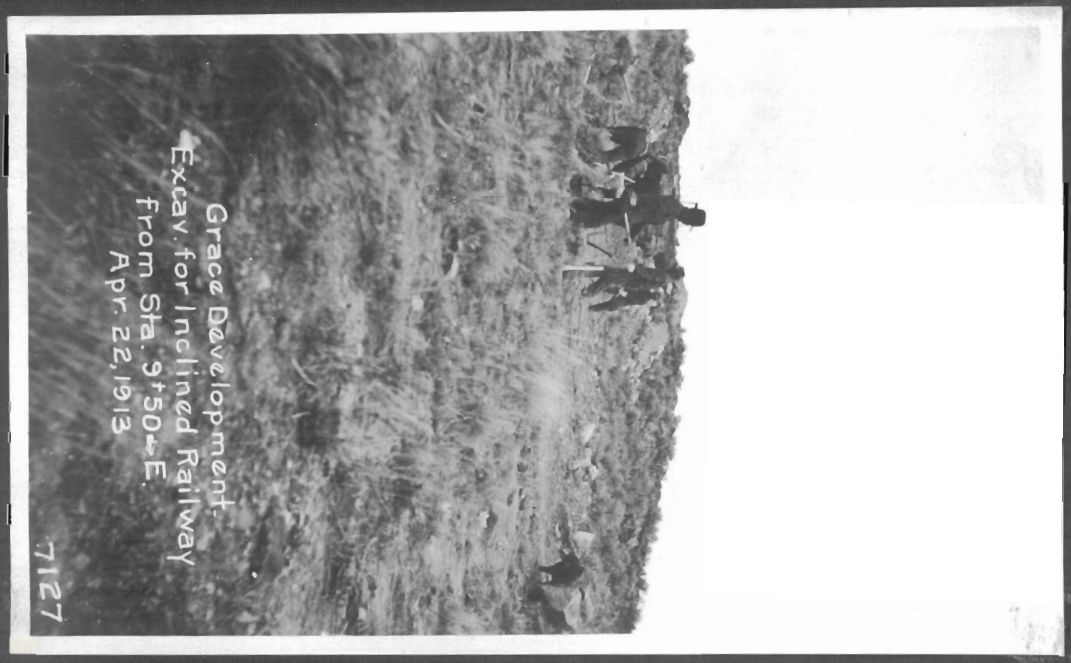

Grace Development
View Showing proposed route
of Steam Shovel taken from
Highway Looking W.
April 13-1913.
7059

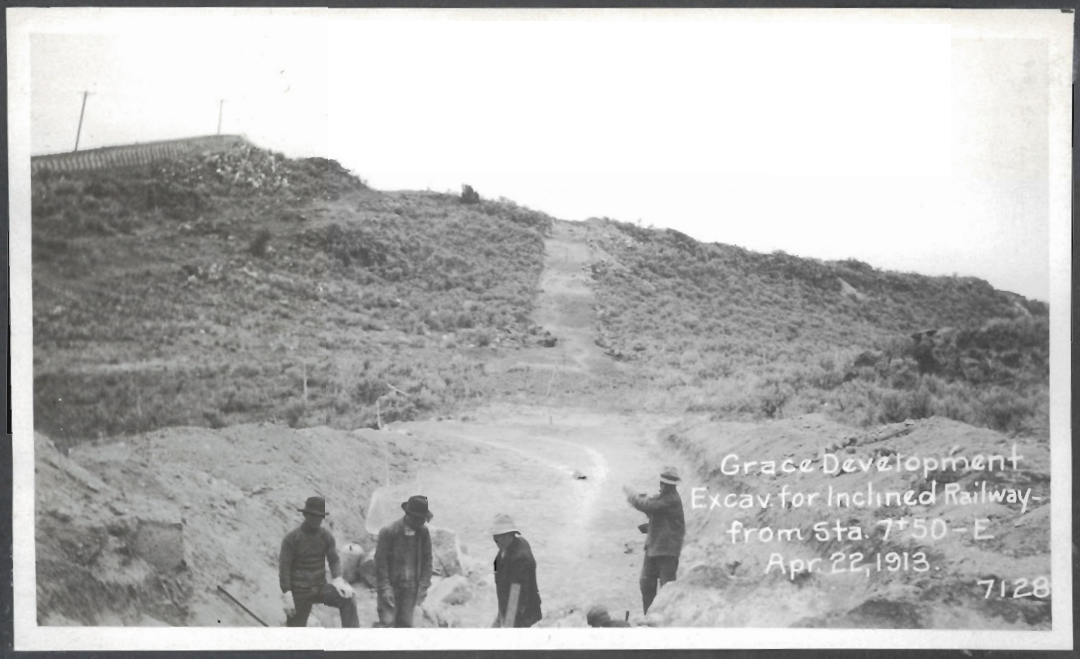

No 1822
W. line.
Grace Development
Angle Tower on W. Line to
avoid New Construction wor
Apr. 13, 1913.
7060


Grace Development
Angle Tower on W. Line to
avoid New Construction Work
Apr. 13. 1913.
7061


Grace Development
Changes in 44 K.V.
Line at Station.
Apr. 13, 1913.
7062


Grace Development
Excav. for new Powerhouse
Apr. 22, 1913.
7126


Grace Development.
Excav. for Inclined Railway
from Sta. 9+50 E.
Apr. 22, 1913
7127



Grace Development
Excav. for Inclined Railway-
from Sta. 7+50-E.
Apr. 22, 1913.
7128



Grace Development
Ass't. Supt's. cottage & hospital under cons.
Apr. 23, 1913.
7129.



Grace Development.
Traction Engine hauling dump cars
from Alexander to Grace
Apr. 23, 1913.
7130


Grace Development-
Marion Steam Shovel
on siding at Alexander.
Apr. 23, 1913.
7131


Grace Development
Unloading dump cars
at Alexander
Apr. 23, 1913.
7132


Grace Development
Bucyrus Dipper- 2.5 cu. yds.
ready to be hauled to Grace.
Apr. 23, 1913
7133
7133



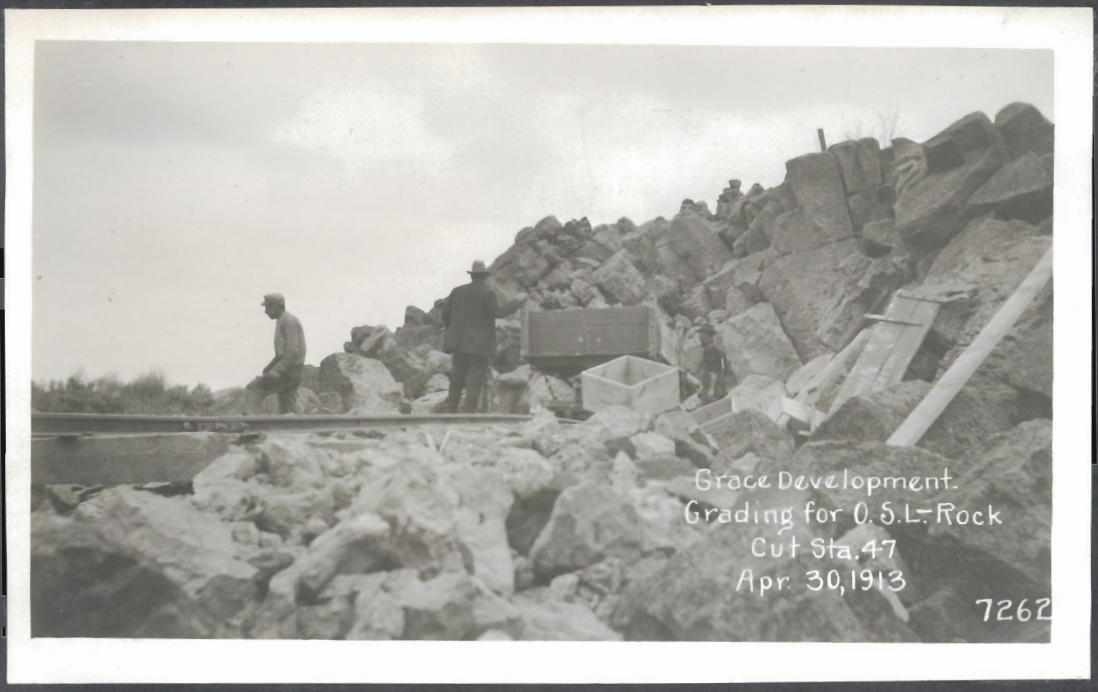
Grace Development
Moving Steam shovel, (Bucyrus 60)
to Grace, showing method of hand-
ling tracks - Two miles from Alex.
Apr. 23, 1913. 7134



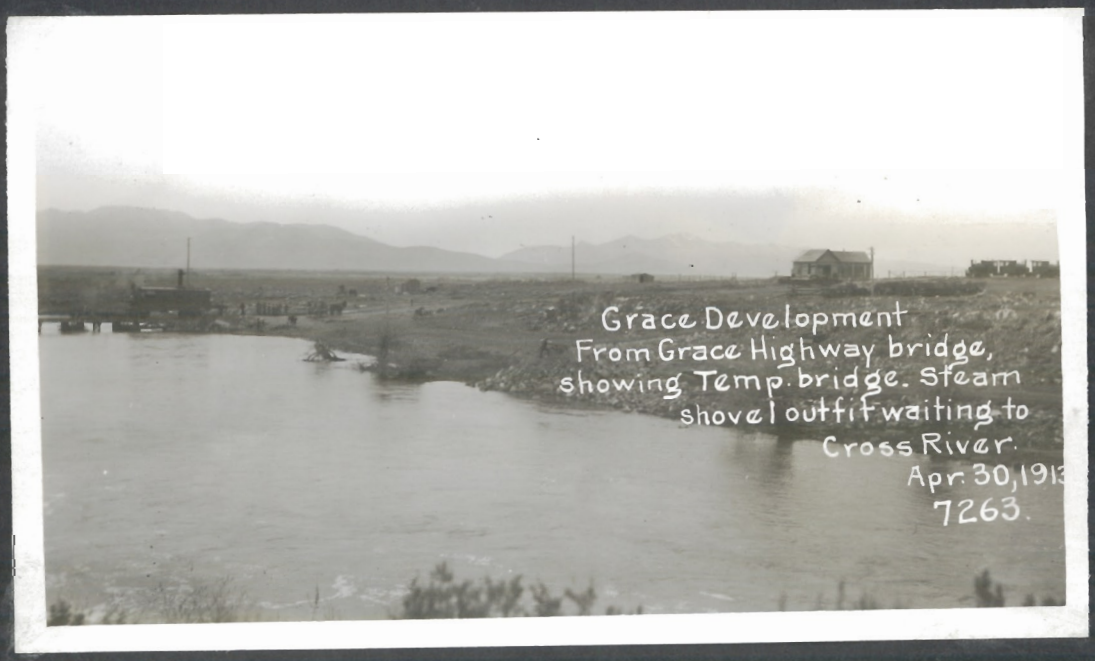
Grace Development
Site of Cut on O.S.L.
from Sta. 47 - (4700 ft.
S. of Alexander)
Apr. 30, 1913.
7260



Grace Development
Site of Cut on O.S.L.
from Sta. 47 (4700 ft.
S. of Alexander)
Apr. 30, 1913.
7261



Grace Development.
Grading for O. S. L. Rock
Cut Sta. 47
Apr. 30, 1913
7262



Grace Development
From Grace Highway bridge,
showing Temp. bridge. Steam
shovel outfit waiting to
Cross River.
Apr. 30, 1913
7263.



Grace Development
Steam Shovel Crossing bridge.
Apr. 30, 1913.
7264



Grace Development
Marion Steam Shovel
being moved to O. S. L.
Apr. 30, 1913
7265.



Grace Development
Concrete Mixer
on siding at Alexander
Apr 30-1913
7266.



Grace Development
Tanner Irrig. ditch
proposed to take water
just above Grace Dam.
Apr. 30, 1913 — 7267



Grace Development
Tanner Irrig. Ditch
from H'way bridge—
Looking E. Apr. 30, 1913
7268.

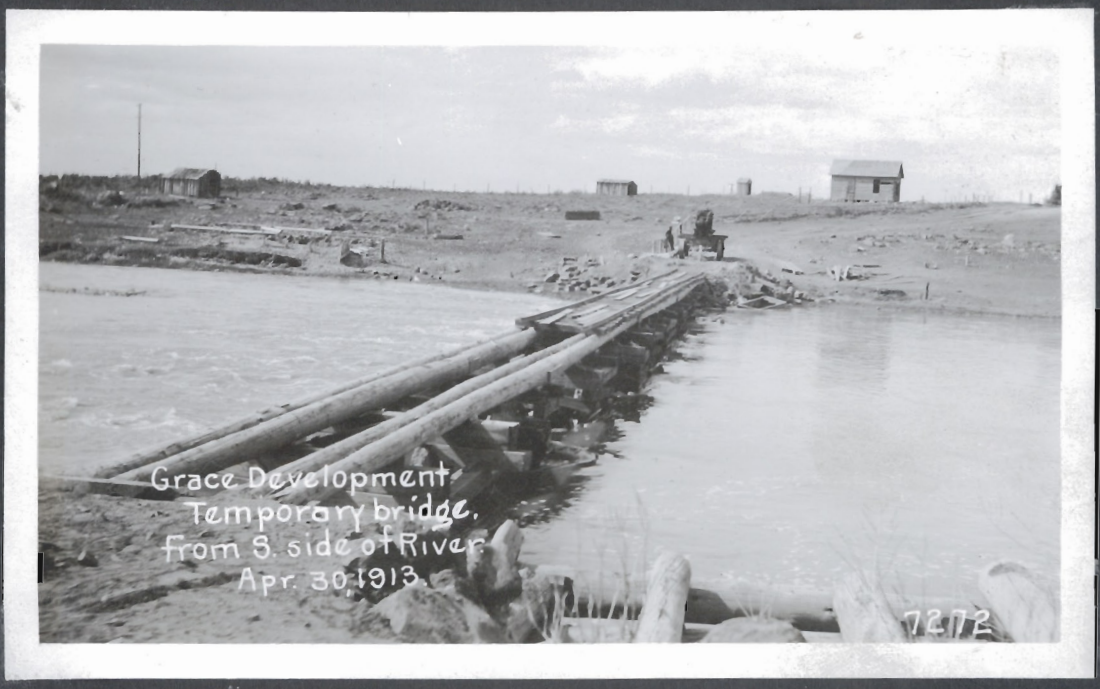


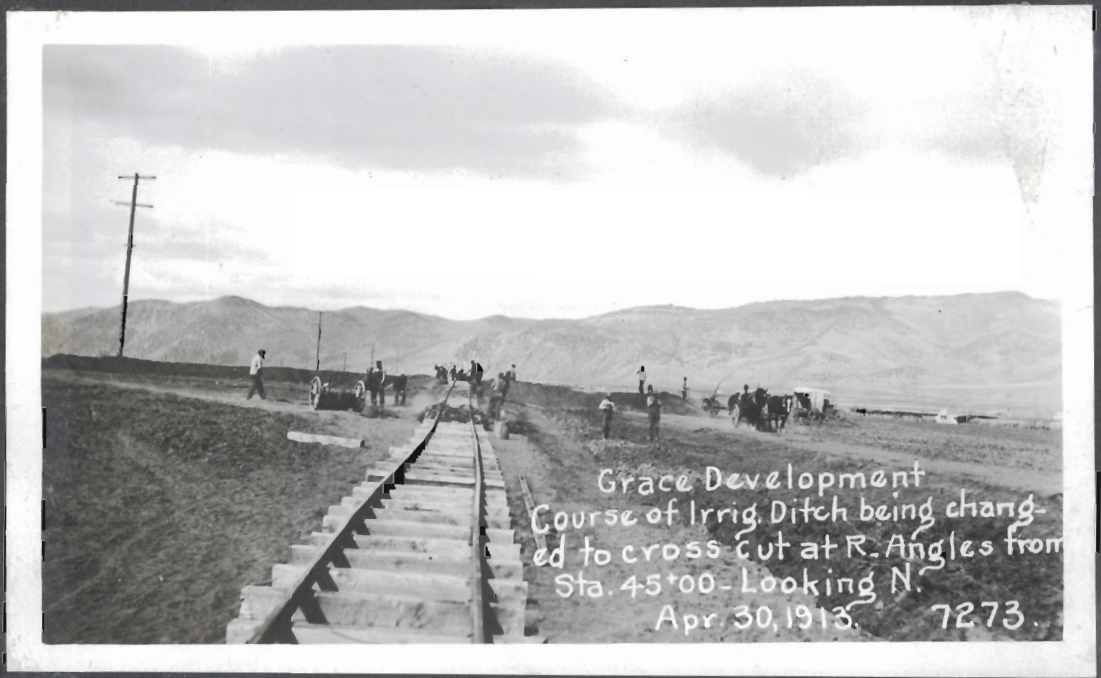
Grace Development
Tanner Irrig. Ditch
Just W. of Highway.
Highway Crossing not made.
Apr. 30, 1913.
7269.

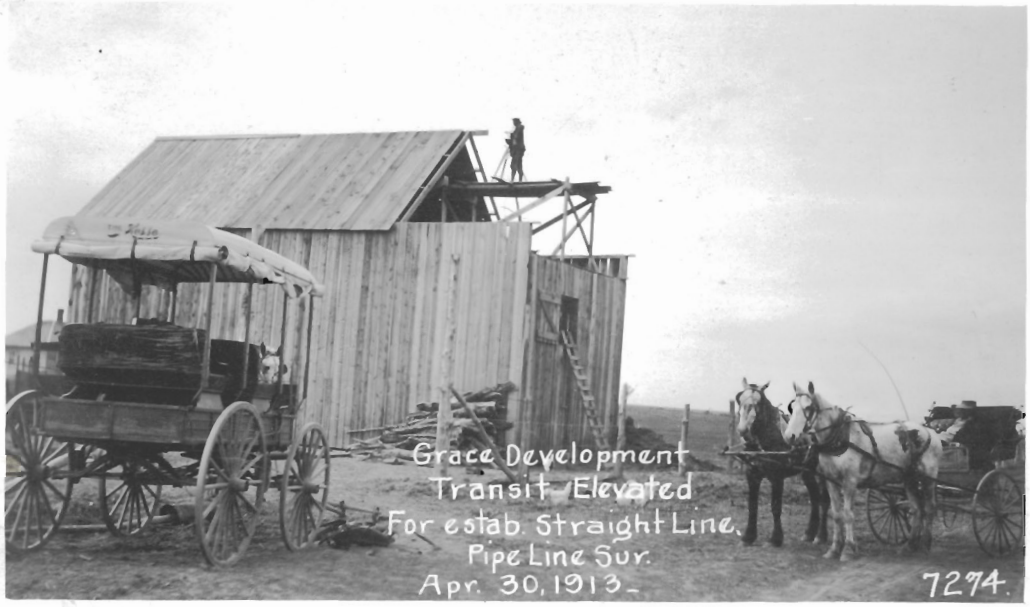


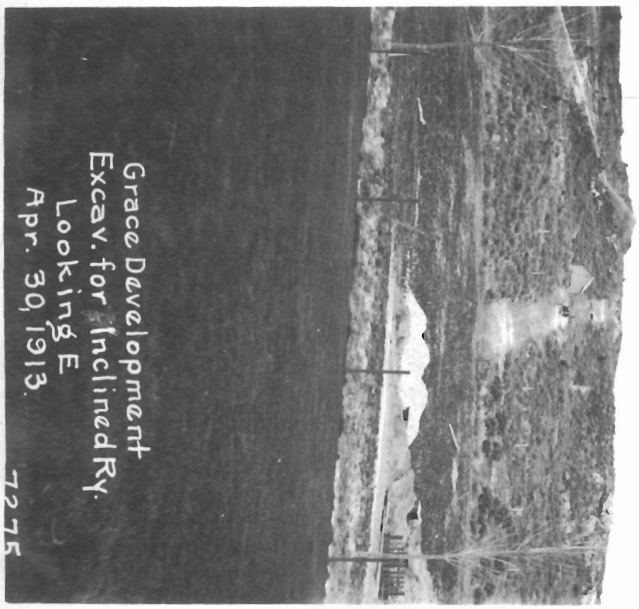
Grace Development
Tanner Ditch_showing
fill made just before
work was stopped.
Apr. 30, 1913_7270


Grace Development
Rock cut Sta. 5+50 Pipe
Line Looking N.E.
Apr. 30, 1913.
7271


Grace Development
Temporary bridge.
From S. side of River
Apr. 30, 1913.
7272


Grace Development
Course of Irrig. Ditch being chang-
ed to cross cut at R. Angles from
Sta. 45+00 - Looking N.
Apr. 30, 1913.
7273


Grace Development
Transit Elevated
For estab. Straight Line.
Pipe Line Sur.
Apr. 30, 1913.
7274.


Grace Development
Excav. for Inclined Ry.
Looking E
Apr. 30, 1913.
7275


Grace Development
Excav. for Powerhouse
from N.E. Cor.
Apr. 30, 1913
7276


Grace Development
Excav. for Power House
from N.W. cor.
Apr. 30, 1913.
7277


Grace Development
Excav. for Power House
from N.E. Cor.
Apr. 30, 1913.
7278


Grace Development
Tail race Excav. 50 ft. W.
of New Power House - looking S.
Apr. 30, 1913.
7279



Grace Development
Sullivan Air Drill
in operation at Tailrace.
Apr. 30, 1913.
7280



Grace Development
Power House excavation
from S.W. cor. looking N.
Apr. 30, 1913
7281



Grace Development
4 cu. yd. car
and horse transporting
excavtd material to spoil bank.
Apr. 30, 1913.
7282



Grace Development
Construction Camp No. 2.
on flow line about 3 miles above plant
Mar 15th 1913.
3044.



Grace Development
Excavation for Intake - View north near
junction with river
April 1, 1913.
3139.



Grace Development
Site of Flow Line Bridge over
Bear River-View N.W.
Apr. 1. 1913
3144



Grace Development
Excavation for Flow Line
½ Mile below Intake
Apr. 1. 1913
3149


Grace Development
Excavation for Flow Line Grade
between Intake and River
Crossing
Apr. 1. 1913
3142


Grace Development
Excavation for Intake and Flow Line
View north near head of Flow Line
Apr. 1. 1913
3140


Grace Development
Excavation for Intake
showing lava rock contours
Mar 15th 1913
3047


Grace Development
Buildings to be moved from Flow Line
Right of way
Mar 15th 1913
3043



Grace Development
Dike along river bank from
present dam to new intake
Apr. 14. 1913

3233



Grace Development
Present Station and Construction
Camp. N° 3
Apr 1. 1913

3147


Grace Development
Road near Grace
Apr. 1. 1913
3145


Grace Development
Excavation for Flow Line Grade
between Intake and River
Crossing
Apr. 1. 1913
3142


Grace Development
Site of Flow Line Bridge over
Bear River-View N.W.
Apr. 1. 1913
3144


6354-Grace- Drilling frozen earth at 25°00- 3/14/1



Grace Development
New arrangement of outgoing
44 K.V Lines
Apr. 14, 1913

3242.



Grace Development
Flow Line Excavation - View
North Sta. 30
Apr. 14, 1913

3240.



Grace Development
Excavation for Flow Line
½ Mile below Intake

3150



Grace Development
Flow Line Excavation
View North Sta. 18
Apr. 14, 1913

3239.



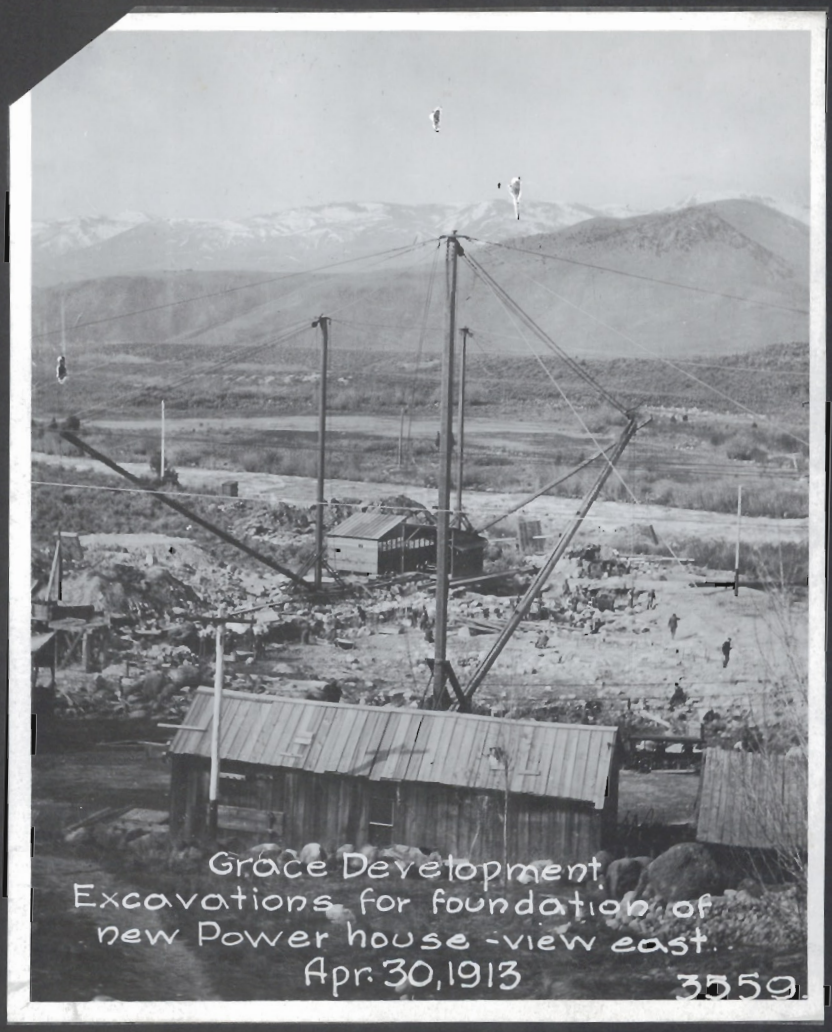
Grace Development
Excavation for foundation
of new Power House
Apr. 14, 1913

3243



Grace Development
Excavation for new Surge tank
Old Surge tank in Background
Apr. 14, 1913

3246



Grace Development
Excavations for foundation of
new Power house -view east.
Apr. 30, 1913 3559.

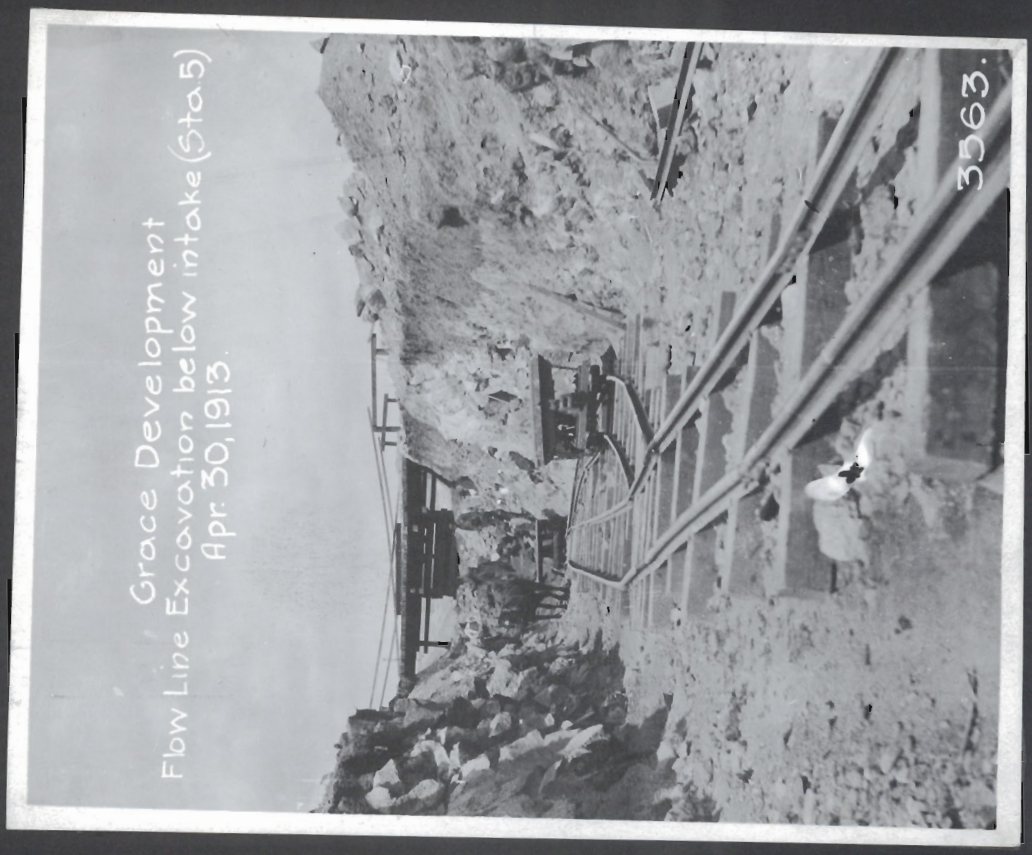


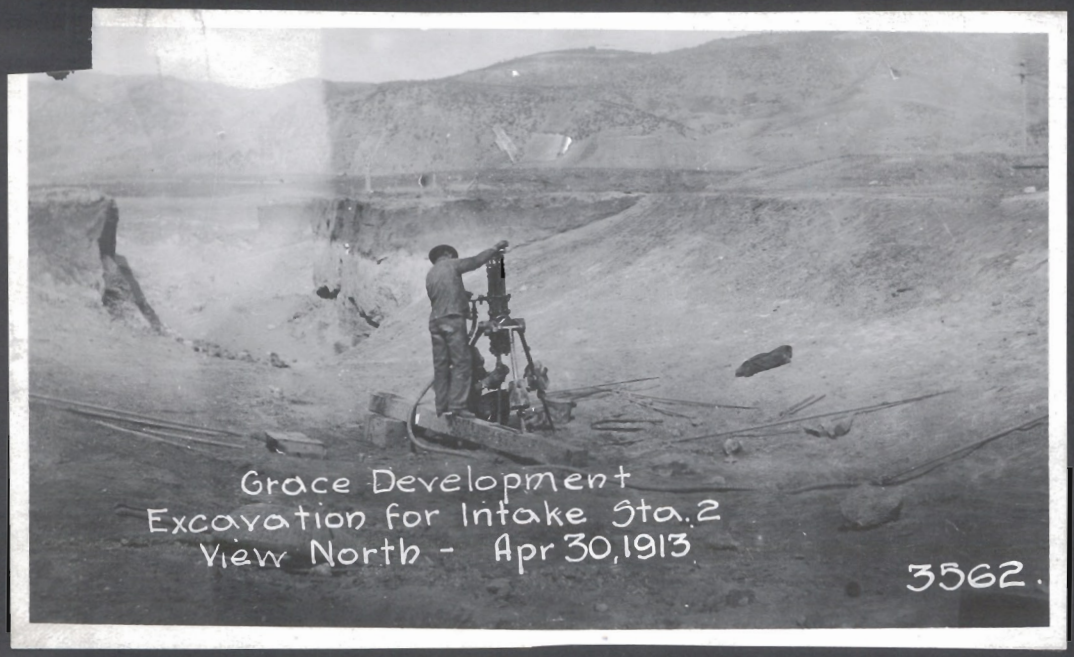
Grace Development
Crossing of old and new Flow lines (at point where
man is man is standing) Sta. 189 View north.
Apr. 30, 1913
3558.

Grace Development
Laying construction track along
flow line - View South Sta. 100.
Apr. 14, 1913.
3247

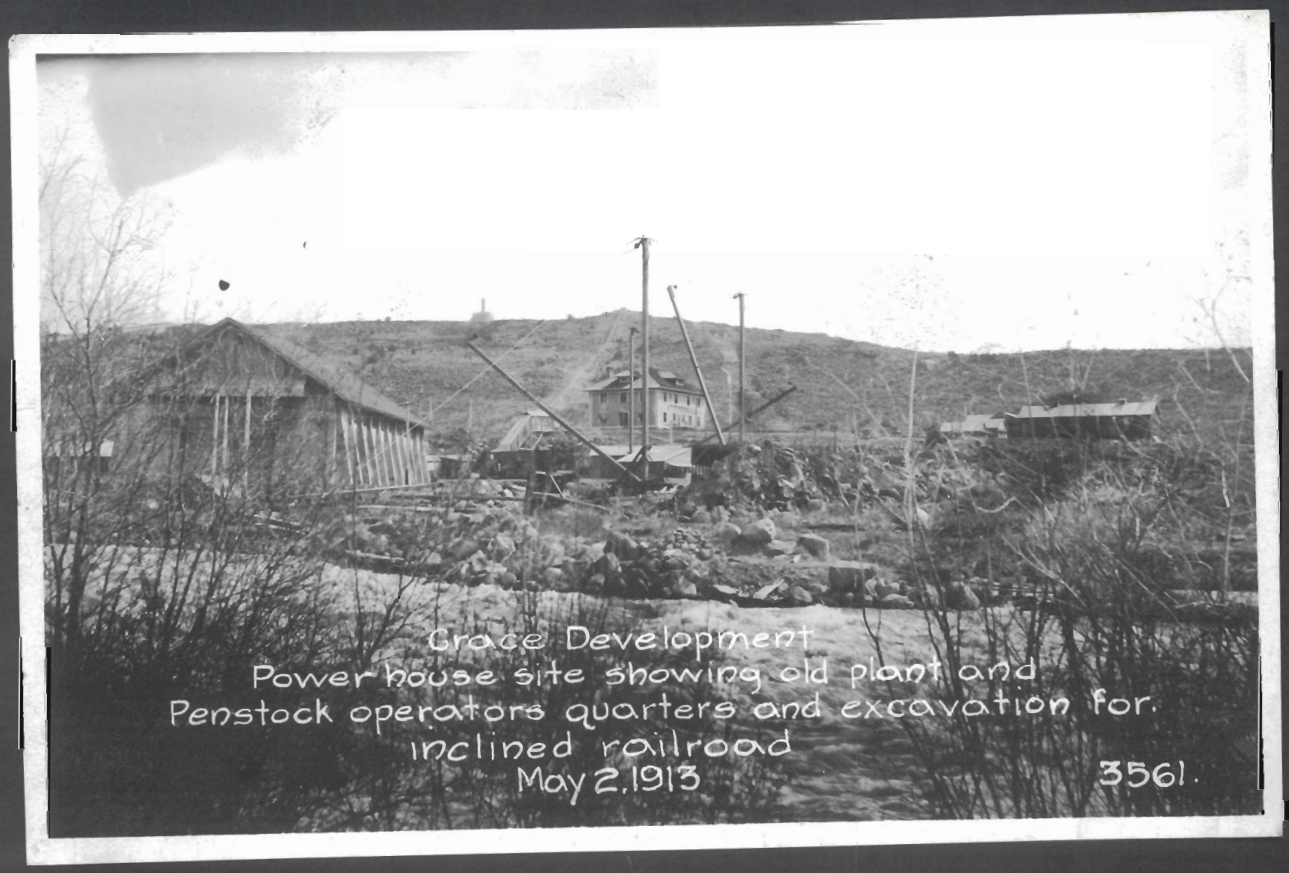
Grace Development
Old Penstock, Power House and
Construction Camp No 3
Apr. 14, 1913
3245


Grace Development
Construction Plant arriving at head
of flow line excavation.
Apr. 30, 1913
3564.

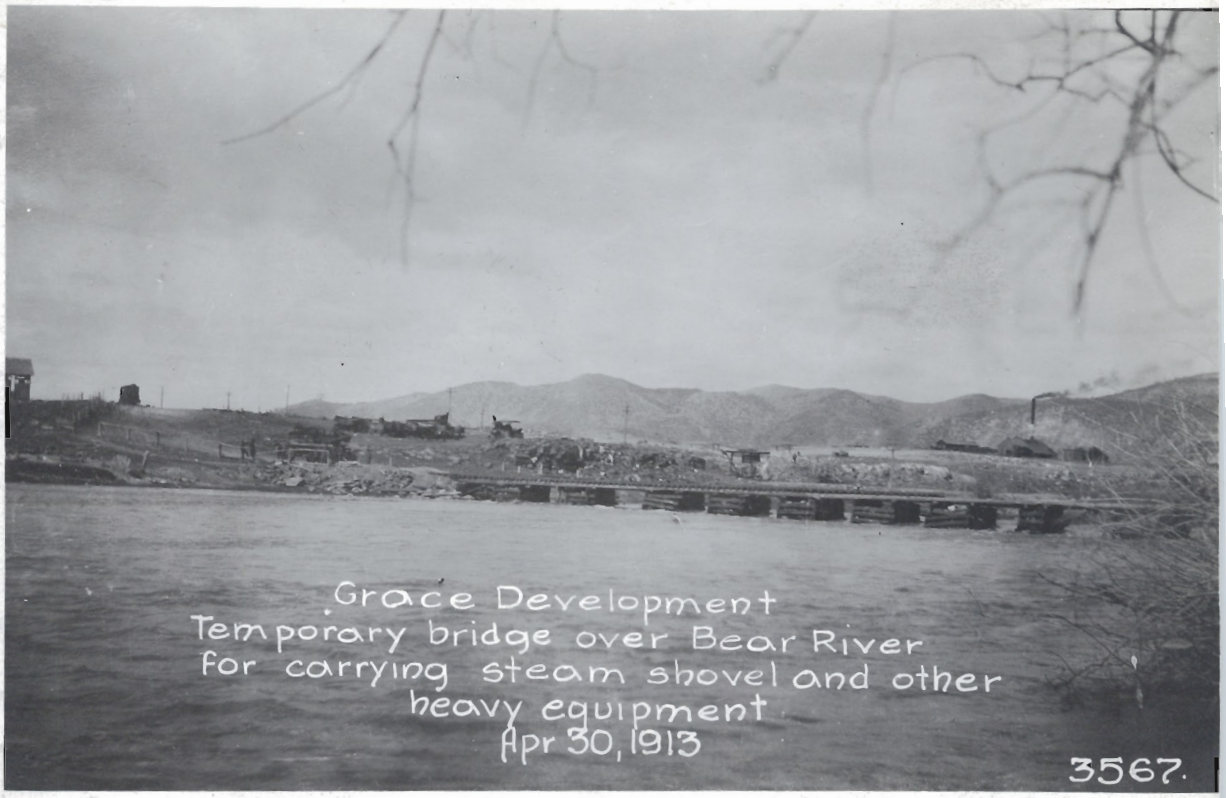

Grace Development
Flow Line Excavation below intake (Sta. 5)
Apr. 30, 1913.
3563.



Grace Development
Excavation for Intake Sta. 2
View North - Apr 30, 1913
3562.



Grace Development
Power house site showing old plant and
Penstock operators quarters and excavation for
inclined railroad
May 2, 1913
3561.



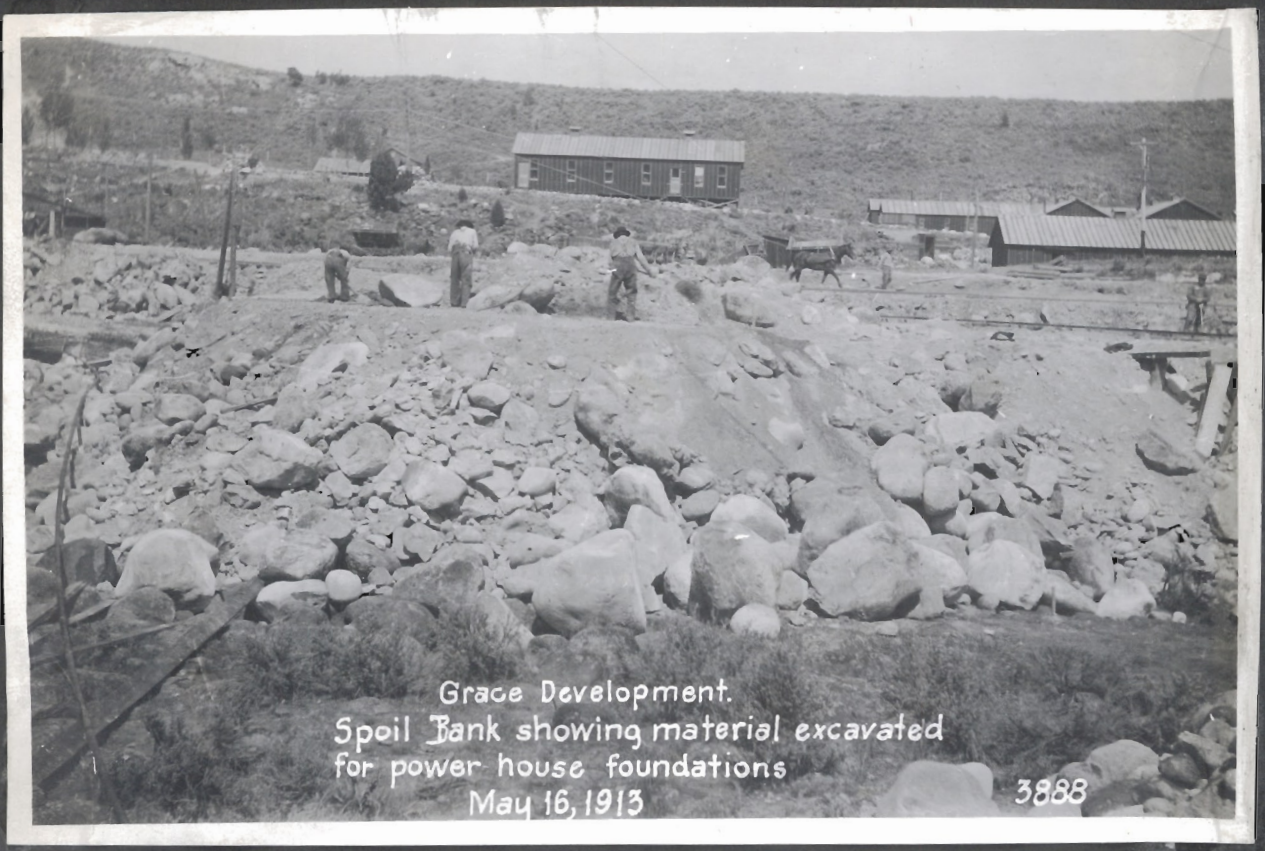
Grace Development
Temporary bridge over Bear River
for carrying steam shovel and other
heavy equipment
Apr 30, 1913

3567.



Grace Development
Excavation for Flow Line Sta. 61 View North
Showing construction railrood
Apr. 30, 1913

3570



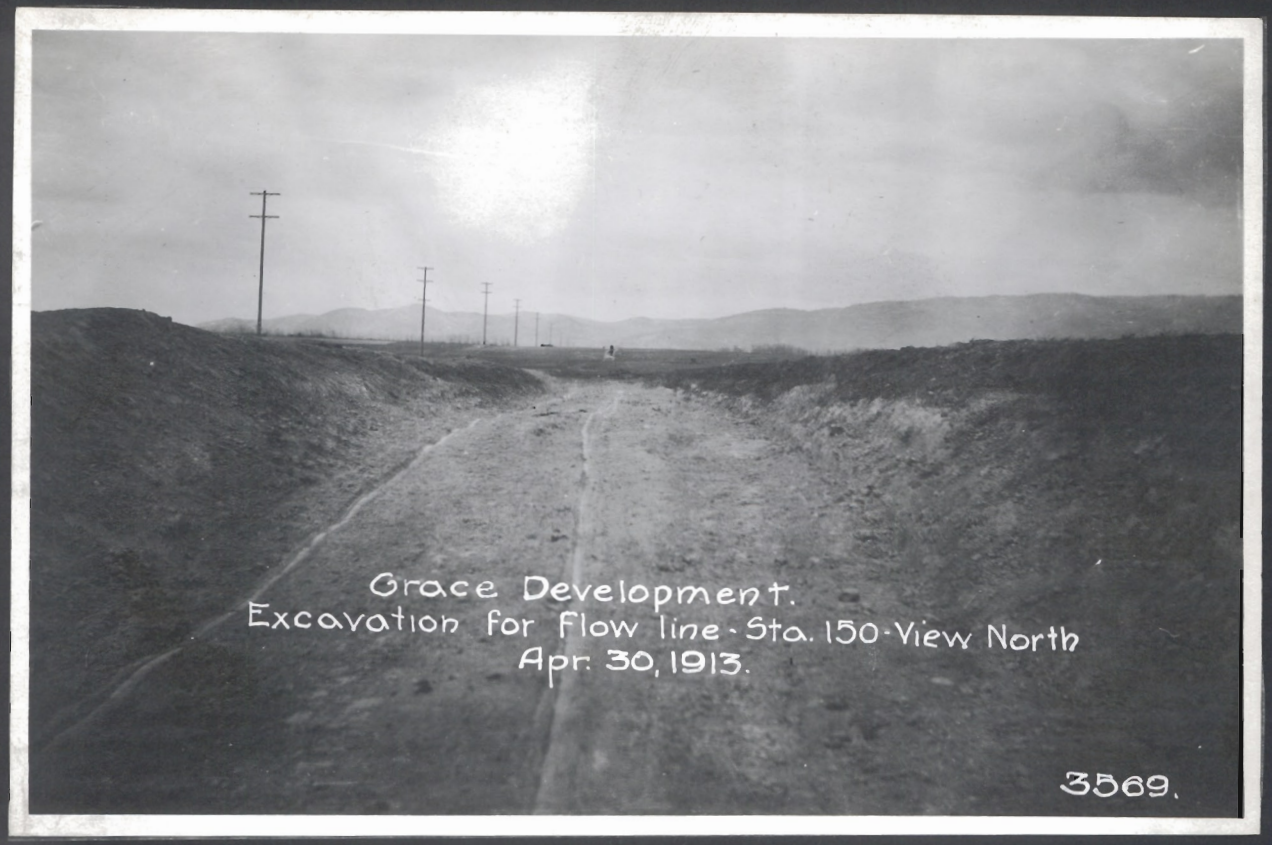
Grace Development.
Spoil Bank showing material excavated
for power house foundations
May 16, 1913
3888



Grace Development.
General view of camp and power
house from opposite side Bear River.
May 16, 1913.
3890.


Grace Development
Excavation for tail race.
May 16, 1913.
3889


Grace Development
Excavation for flow line Sta. 45
view north showing construction R.R.
Apr. 30, 1913
3571.



Grace Development.
Excavation for Flow line - Sta. 150 - View North
Apr. 30, 1913.

3569.



Grace Development
Spoil track from Intake Cut (Sta. 5)
Apr. 30, 1913.

3565.