# Grace Development

# Bear River, Idaho

## 1913

## May - June


Grace Development
Drilling Rock.
Sta. 3+50
May 5, 1913.
7317


Grace Development
Rock cut - Sta. 4+00±
Shows new Hwy bridge
May 5, 1913.
7318


Grace Development.
Rock Spoil Bank
5+80 - North
May 5, 1913.
7319

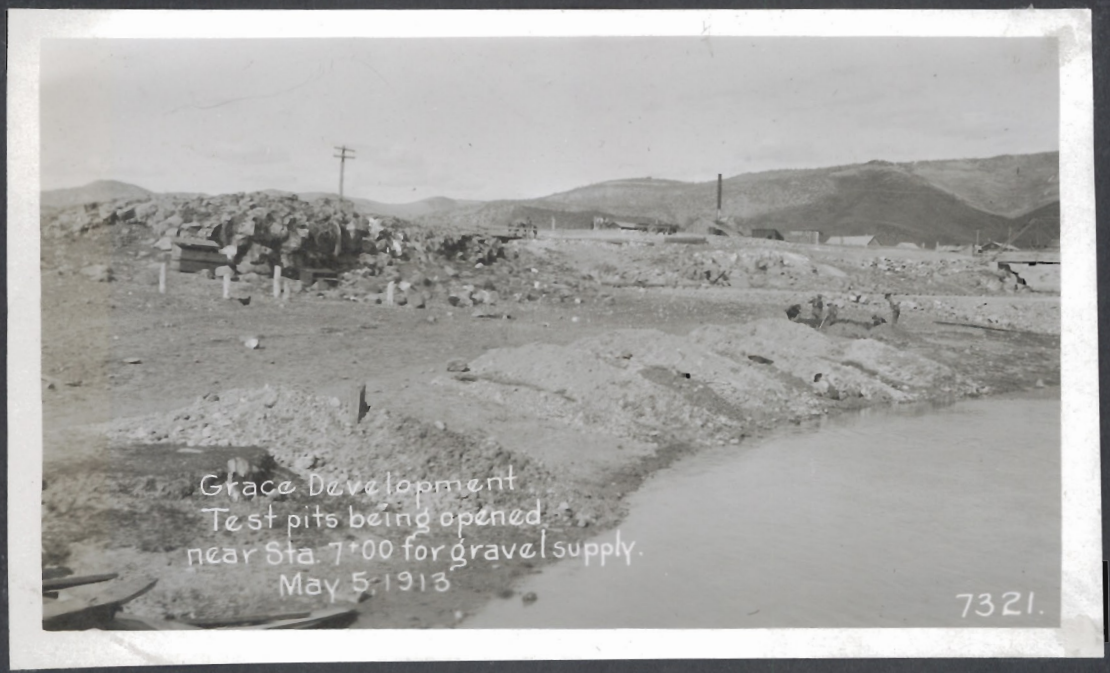

Grace Development
Drilling Rock.
Sta. 3+50
May 5, 1913.
7317


Grace Development.
Rock cut - Sta. 4+00 ℄
Shows new H'way bridge
May 5, 1913.
-7318


Grace Development.
Rock Spoil Bank
5+80 - North
May 5, 1913. –
7319



Grace Development
Start excavating
for Concrete Saddles.
Sta. 6+56 - May 5, 1913.
7320

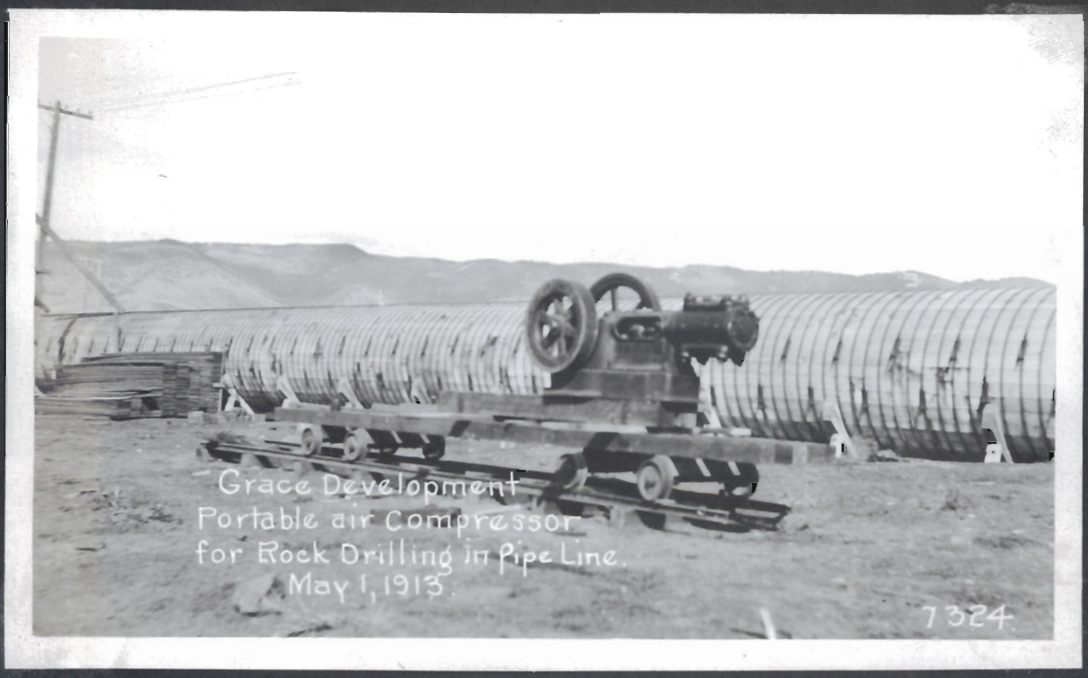


Grace Development
Test pits being opened
near Sta. 7+00 for gravel supply.
May 5, 1913
7321.



Grace Development
Temp. bridge for trans-
porting plant across river
from S. side
May 5, 1913.
7322


Grace Development
Steam Shovel excavating
Pipe Line Trench- Sta. 15+50-North- May 5, 1913.
7323

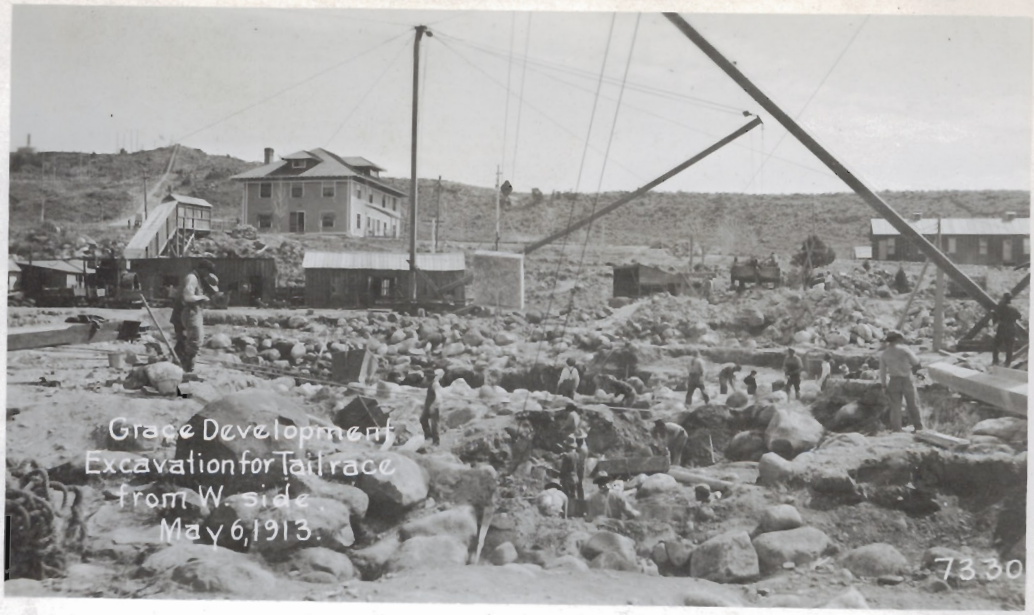

Grace Development
Portable air Compressor
for Rock Drilling in Pipe Line.
May 1, 1913.
7324


Grace Development-
Pipe Line Trench-
May 6, 1913.
7325


Grace Development
Dinkeys & Dump cars delivered on
Track - Sta. 28+00-S side cut.
May 6, 1913.
7326


Grace Development
Drilling Rock Sta 22+50
From Sta 23+00-N.
May 5, 1913.
7328

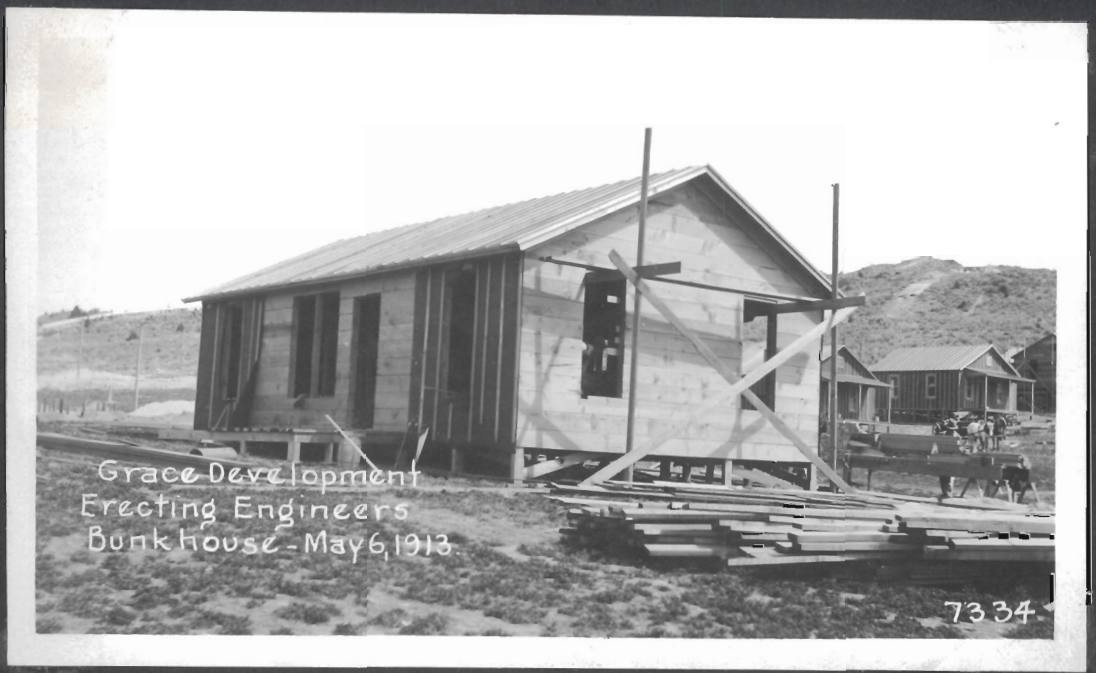

Grace Development.
Excating for Power House
foundations. Looking E.
May 6, 1913
7329


Grace Development
Excavation for Tail race
from W. side.
May 6, 1913.
7330


Grace Development
Excavation for Power house
foundation from S. side.
May 6 1913.
7331


Grace Development
Depositing spoil in area to be
used for Switch rack. Top El. 442.5
View - West.
May 6, 1913.
7332


Grace Development
Gen'l. view of Excav. for
Power House & Tail race from
Operators Q'trs. West
May 6, 1913.
7333


Grace Development
Erecting Engineers
Bunk House - May 6, 1913
7334


Grace Development.
View along ℄ of proposed
penstock showing start
of excav. Sta. 18+50 E.
May 6, 1913.
7335


Grace Development
View along ℄ of proposed
penstock showing nature of
surface before excavating
Sta. 17+00-W. May 6, 1913.
7336


Grace Development
View of excavation for Incline Ry. from
Sta. 11+00-Ry. sur. Also part of Camp No. 3
S. of Power House.
May 6, 1913.
7337


Grace Development
Steam shovel
cut, Sta. 40-41 looking S.
May 12, 1913.
7434



Grace Development
Cars unloading at Ry. trestle
Sta. 34+00 looking E.
May 12, 1913.
7435



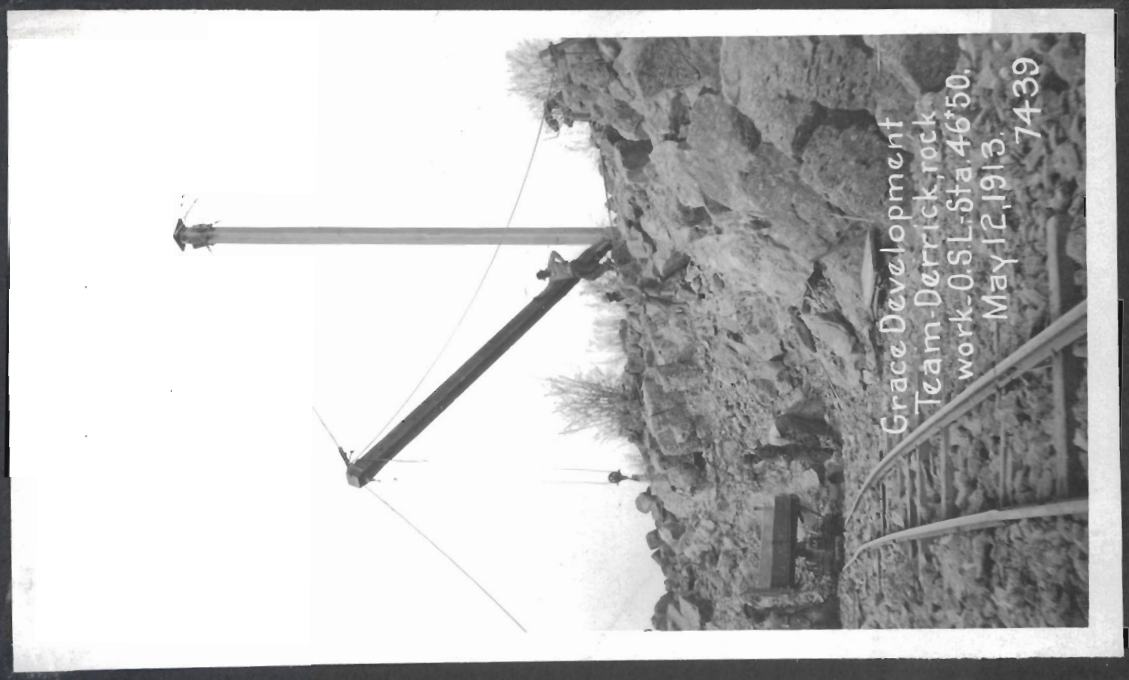
Grace Development
Drilling rock
at Sta. 24.
Traction engine supplying power.
May 12, 1913. 7436

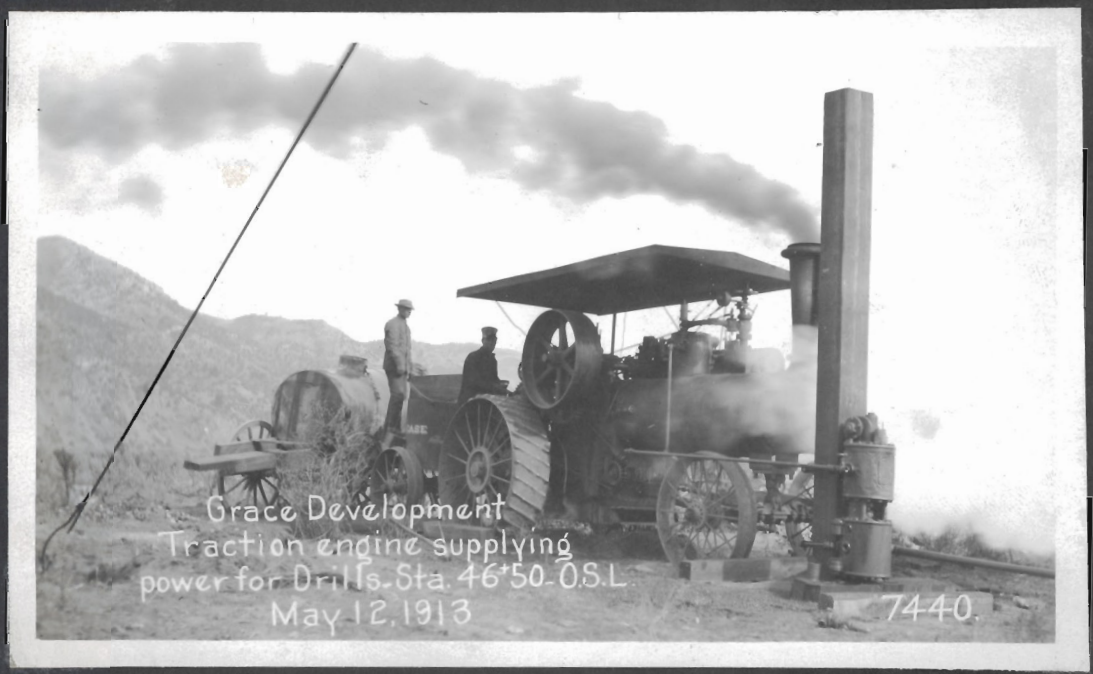


Grace Development
Rock cut Sta. 4- N
End of cut Sta. 3+25
May 12, 1913

7437


Grace Development
Ry fill at Sta. 190+5, O.S.L. Ry.
Fresnos at work.
May 12, 1913.
7438


Grace Development
Team Derrick, rock
work. O.S.L. Sta. 46+50.
May 12, 1913.
7439


Grace Development
Traction engine supplying
power for Drills. Sta. 46+50. O.S.L.
May 12, 1913
7440.


Grace Development
Marion Shovel & Dinkey
at work at Sta. 24-0 S.L.
May 12, 1913.
7441

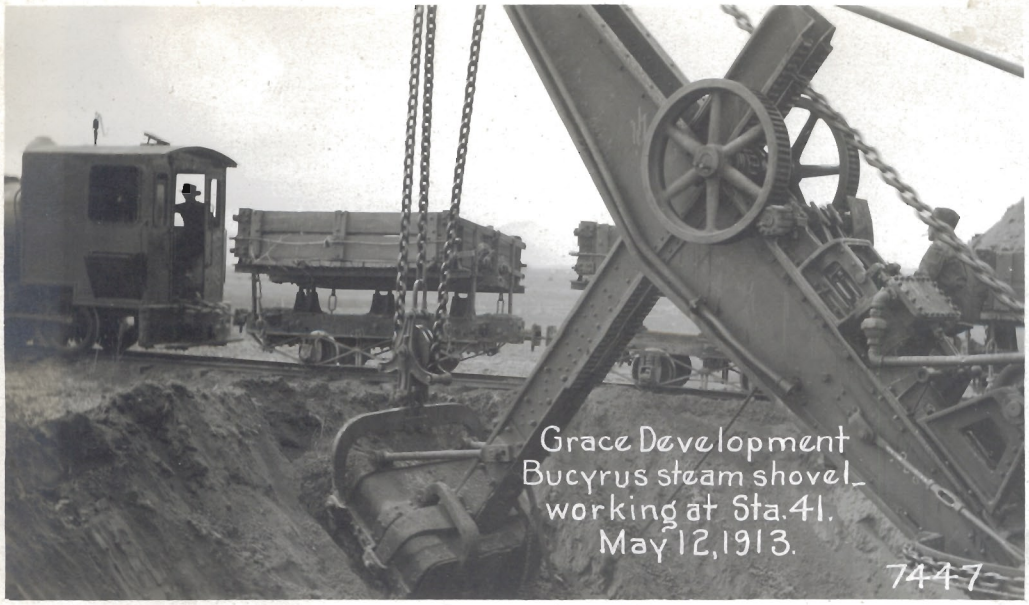

Phoenix Const. Co.
Camp at Alexander.
May 13, 1913.
7442


Grace Development
Power house excavation
May 13, 1913.
7443

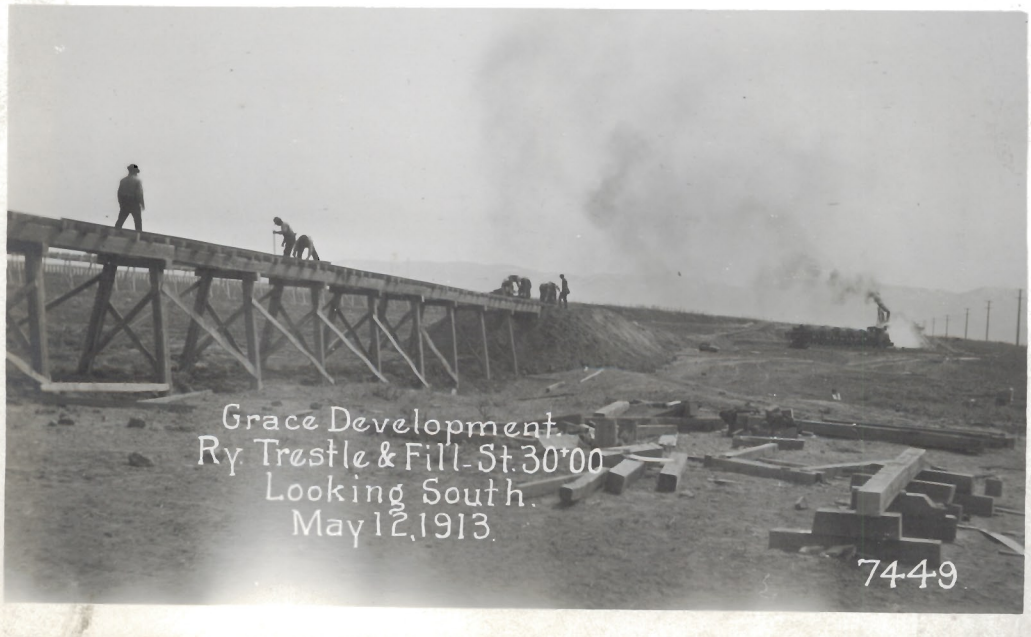

Grace Development
Tailrace excavation
looking towards Riv.
May 13, 1913.
7444


Grace Development
Spoil bank at Power house
May 13, 1913.
7445


Grace Development
Bucyrus steam shovel
Loading cars at Sta. 41
May 12, 1913.
7446


Grace Development
Bucyrus steam shovel
working at Sta. 41.
May 12, 1913.
7447


Grace Development
Trestle at Sta. 30+00
Looking E.
May 12, 1913.
7448


Grace Development.
Ry. Trestle & Fill - St. 30+00
Looking South.
May 12, 1913.
7449


Grace Development.
Drilling rock at Sta. 24
Traction engine supplying power.
May 12, 1913. 7450


Grace Development
Steamshovel cut
at Sta. 22 looking North.
May 12, 1913.
7451


Grace Development
Excav. for saddles
Sta. 14+64
May 12, 1913.
7452


Grace Development
Rock cut Sta 4. Looking N.
End of cut Sta. 3+25.
May 12, 1913.
7453.


Grace Development
Smith Mixer on road
betw. Alexander & Grace.
May 12, 1913.
7454.

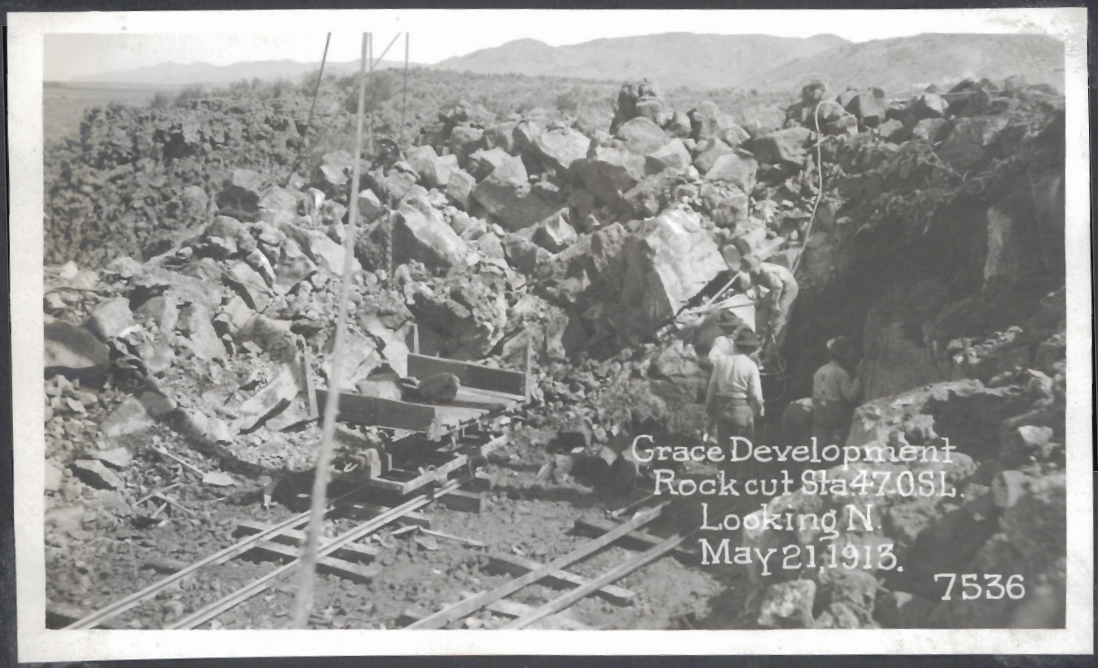

Grace Development
Maion Shovel at work
Sta. 24 0. S.L. rock cut.
May 12, 1913.
7455.

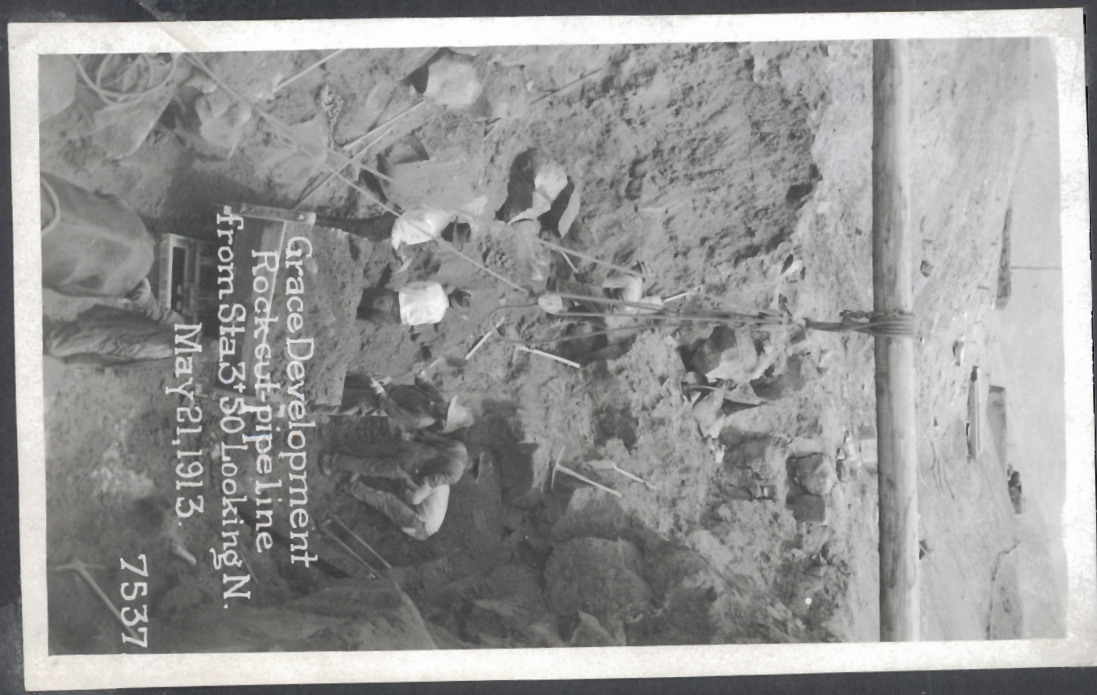

Grace Development
Steam shovel cut
Sta. 23 O.S.L. Looking N.
May 21, 1913.
7532

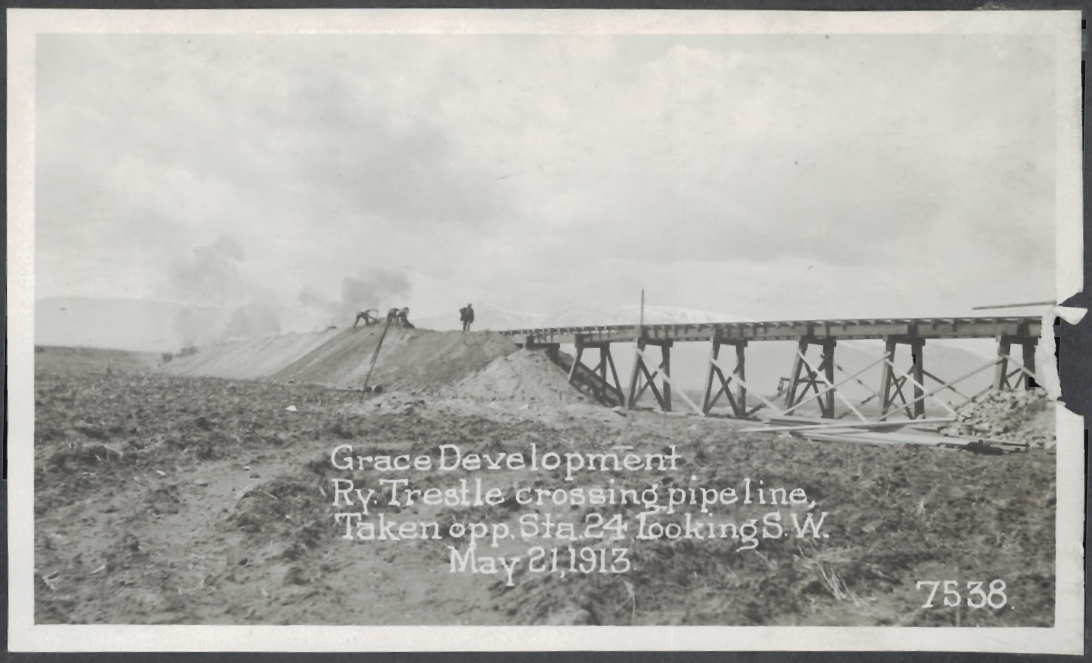

Grace Development
Steam shovel cut
Sta. 23.0 S.L. Looking N.
May 21, 1913.
7533


Grace Development
Trestle for fill
Sta. 23-25.0 S.L. Looking W.
May 21, 1913.
7534


Grace Development.
Fill & barrow pits
Sta 47-54 O.S.L. Looking S
May 21, 1913.
7535

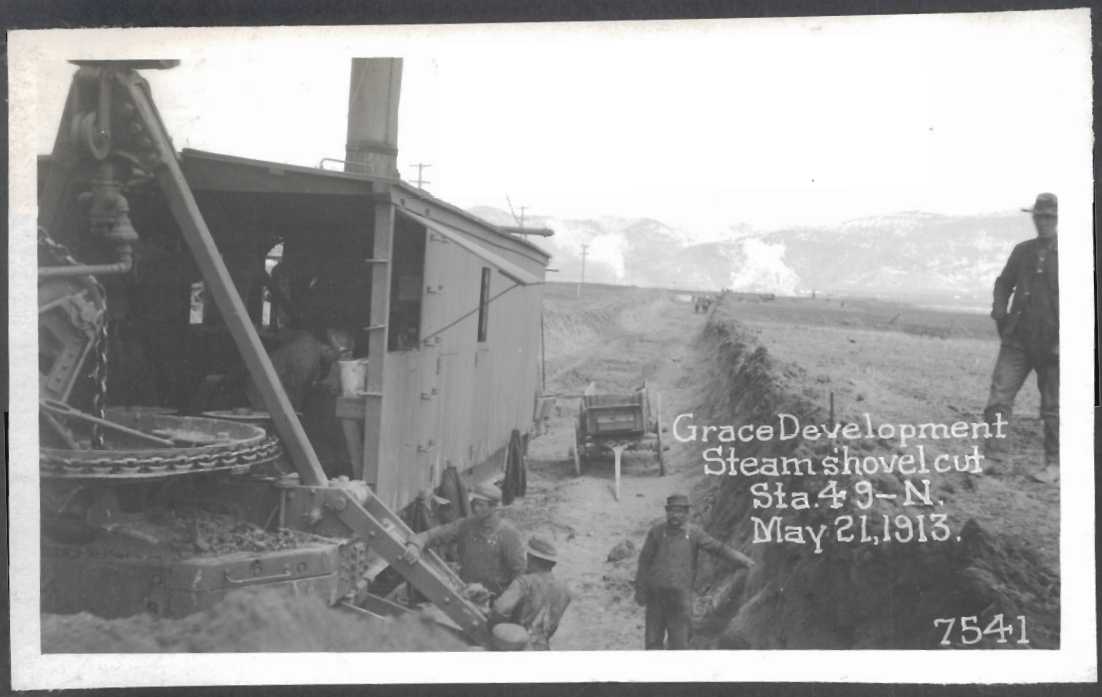

Grace Development
Rock cut Sta 47 O.S.L.
Looking N.
May 21, 1913.
7536


Grace Development
Rock cut pipe line
from Sta 37+50 looking N.
May 21, 1913.
7537

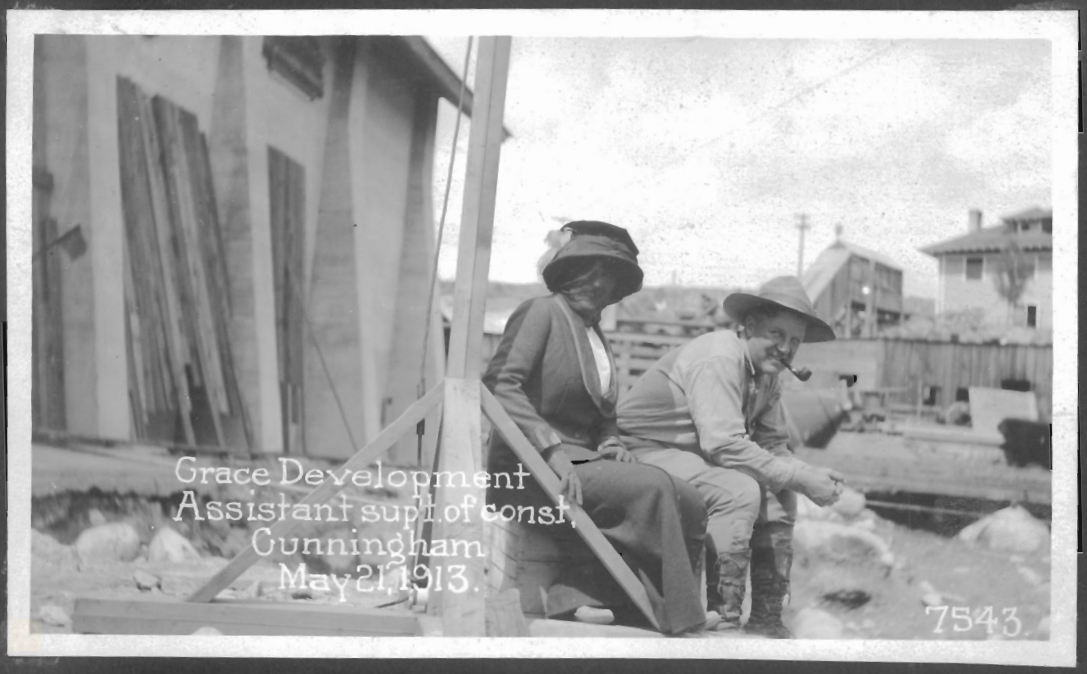

Grace Development
Ry. Trestle crossing pipe line,
Taken opp. Sta. 24 Looking S.W.
May 21, 1913.
7538.


Grace Development
Ry. Trestle, taken opp.
Sta. 24. Looking N.W.
May 21, 1913.
7539.


Grace Development
Steam shovel loading cars
Sta. 49. May 21, 1913.
7540.


Grace Development
Steam shovel cut
Sta. 49 - N.
May 21, 1913.
7541


Grace Development
Trestle for fill at Sta. 100
Looking West
May 21, 1913.
7542


Grace Development
Assistant supt. of const.
Cunningham
May 21, 1913.
7543.



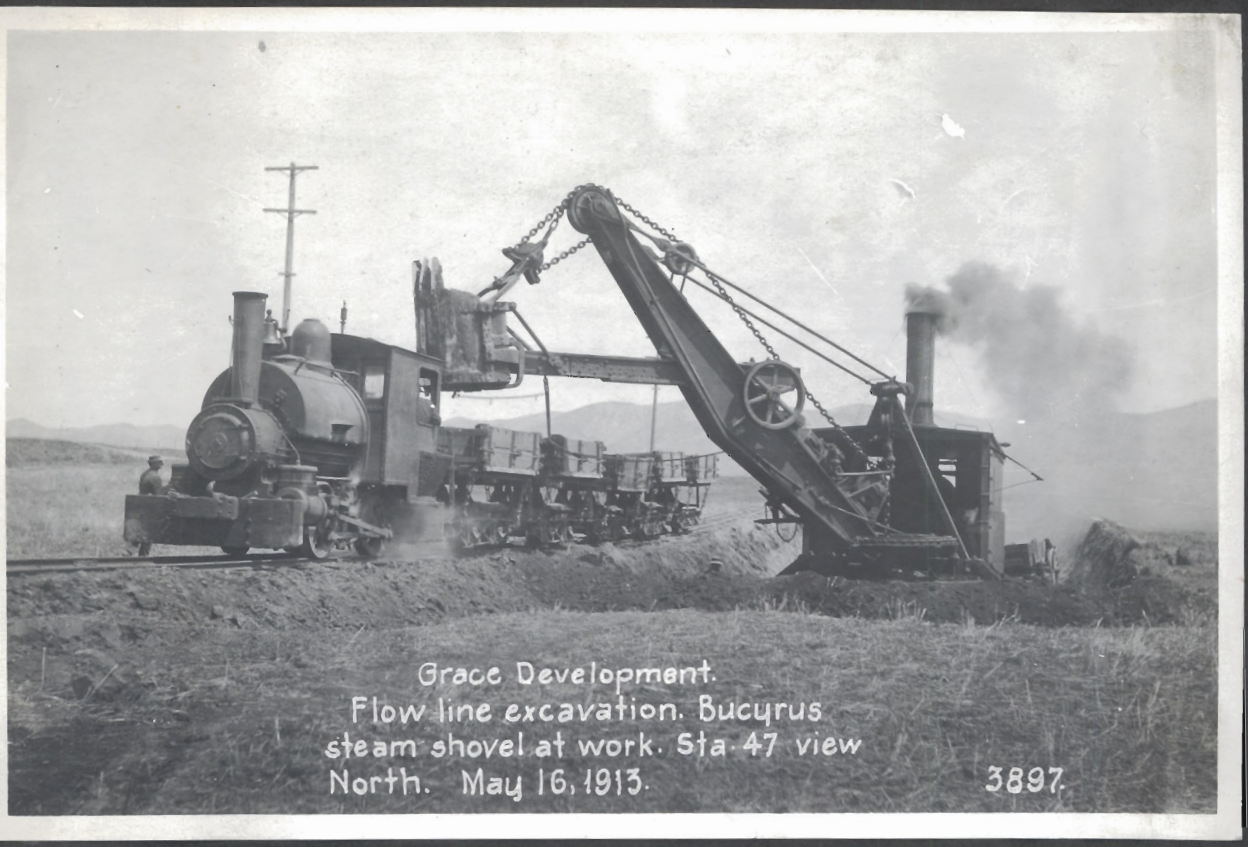
Grace Development.
Excavation for power house
foundations. May 16, 1913.

3891.



Grace Development.
Excavation for new penstock,
view from edge of bluff.
May 16, 1913.

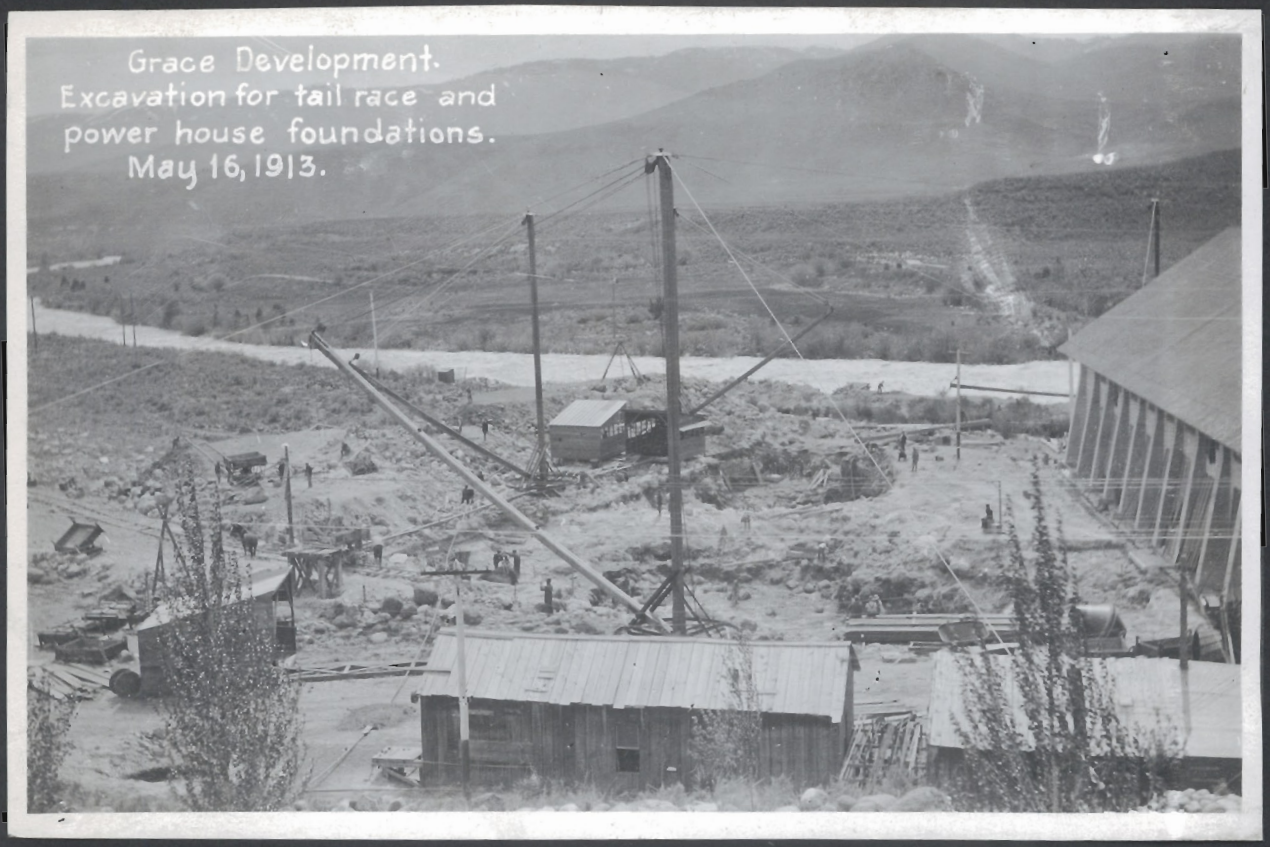
3894.



Grace Development.
Flow line excavation. Bucyrus steam shovel at work. Sta. 47 view North. May 16, 1913. 3897.

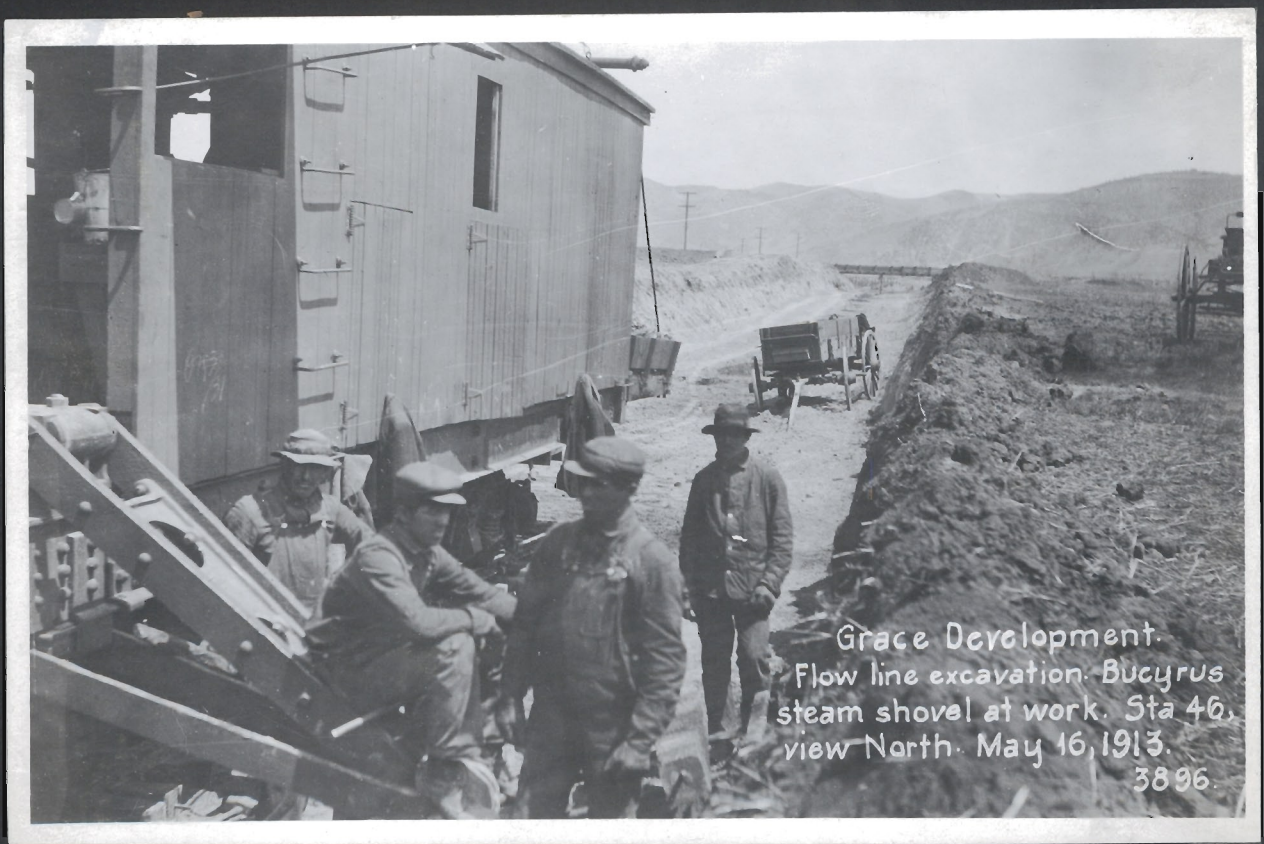


Grace Development.
Flow line excavation; rock drilling and spoil trestle under construction. Sta. 30. view North. May 16, 1913. 3899.


Grace Development.
Excavation for tail race and
power house foundations.
May 16, 1913.



Grace Development.
Flow line excavation by Bucyrus steam shovel. Sta. 39 view South.
May 16, 1913.
3898.



Grace Development.
Flow line excavation. Bucyrus steam shovel at work. Sta 46, view North. May 16, 1913.
3896.



Grace Development.
Spoil trestle, Sta. 101, view West.
May 16, 1913.
3895.



Grace Development.
Site for new penstock showing
out-croppings of lava rock.
May 16, 1913.
3893.



Grace Development.
Spoil trestle and embankment
for O.S.L. Sta. 29. view South.
May 16, 1913.

3900.



Grace Development.
Flow line excavation made
by Bucyrus steam shovel Sta. 20
view North. May 16, 1913.

3902.



Grace Development
Excavation for flow line showing
a temporary flume for irrigation ditch.
June 1, 1913

3924.

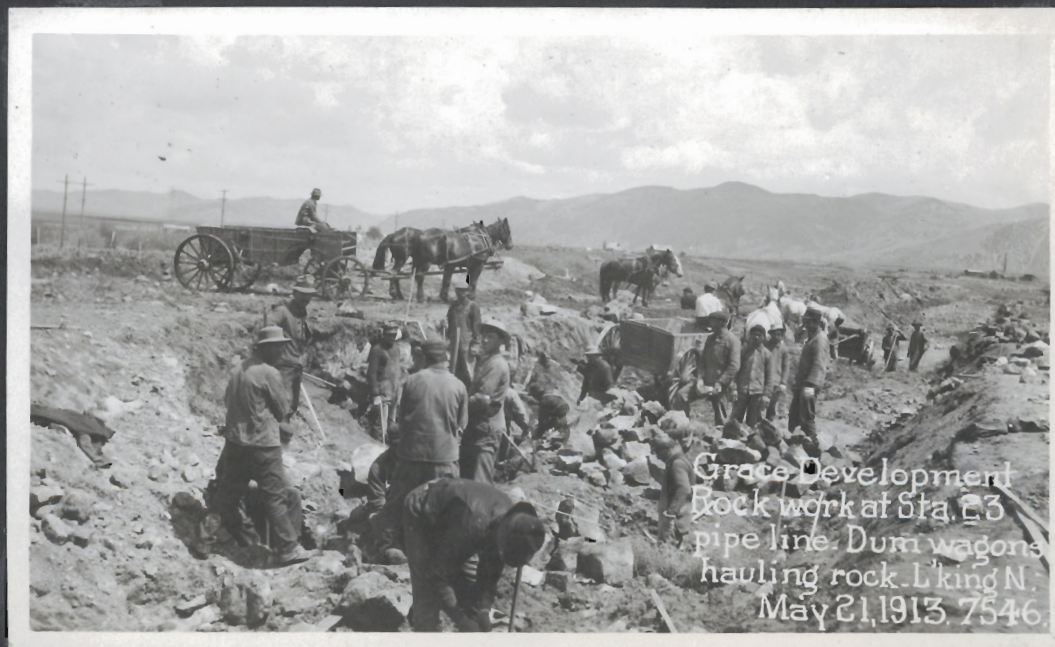


Grace Development
Switchyard site showing grading
in progress. June 1, 1913.

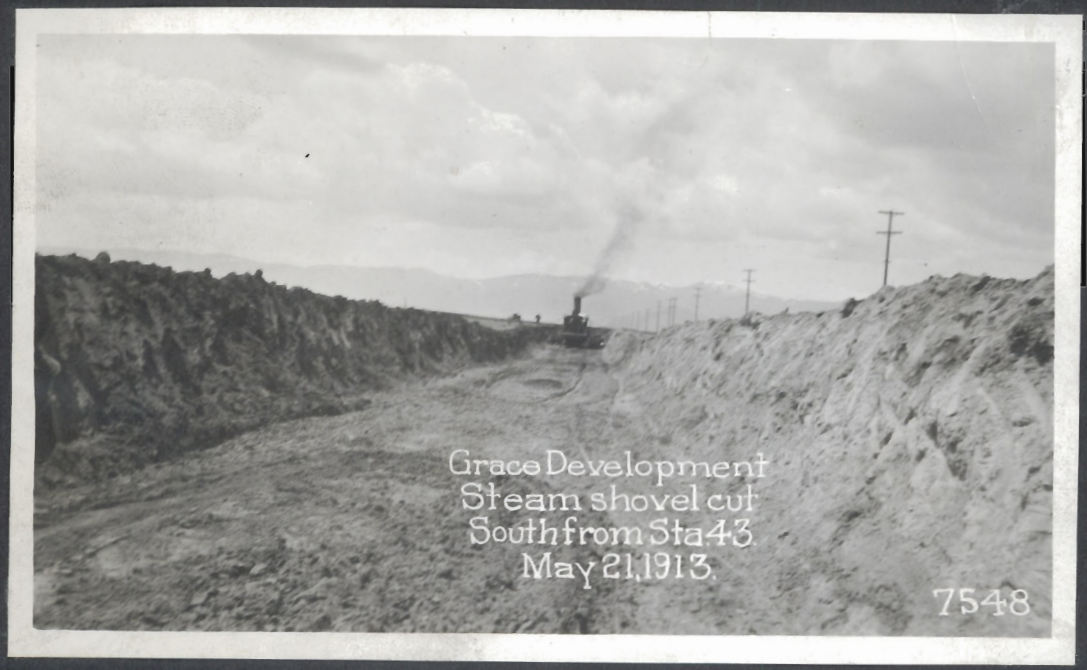
3927.


Grace Development.
Powerhouse excav.
from spoil bank N.
May 21, 1913.
7544


Grace Development.
Trestle & spoil bank
at power house site.
Looking N.
May 21, 1913
7545


Grace Development
Rock work at Sta. 23
pipe line. Dump wagons
hauling rock. L'king N.
May 21, 1913. 7546.

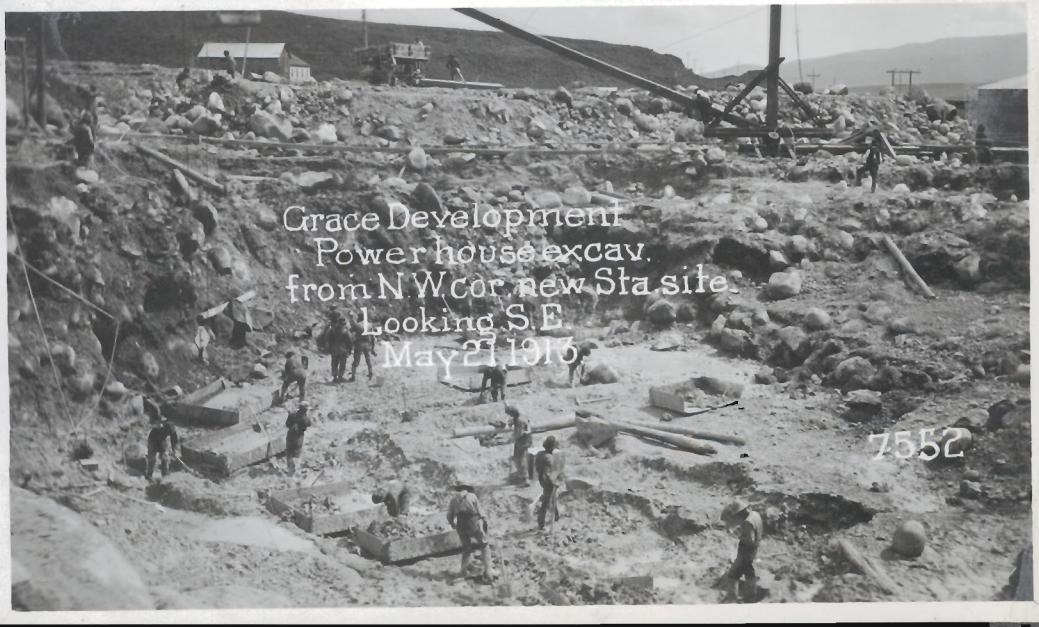

Grace Development
Ry. Trestle, from
Sta. 39 Looking N.
May 21, 1913.
7547


Grace Development
Steam shovel cut
South from Sta 43.
May 21, 1913.
7548


Grace Development
Steam shovel cut
North from Sta 43.
May 21, 1913.
7549


Grace Development
Horse coral
at camp N°2
May 21.1913.
7550


Grace Development
Birds eye view of
Camp N°3.
May 21,1913.
7551.


Grace Development
Power house excav.
from N.W.cor. new Sta. site.
Looking S.E.
May 21 1913.
7552

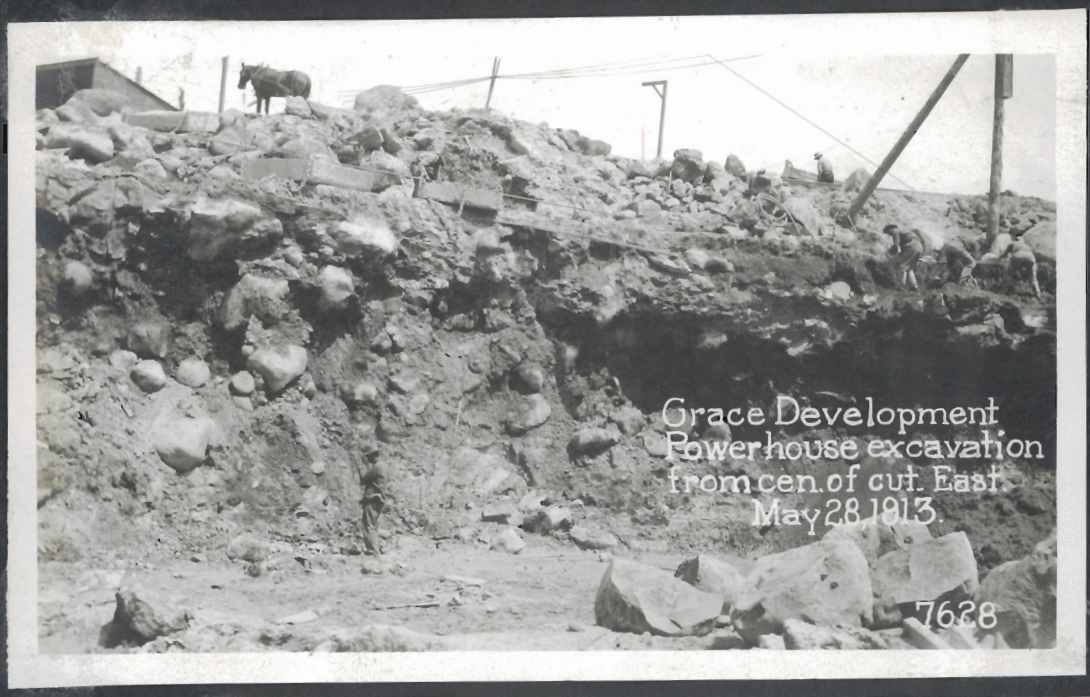

Grace Development
Tail race excav. from
Sta. 2'50 - North
May 21, 1913.
7553.


Grace Development
5 mo. old badger
Shovel mascot
May 21, 1913.
7554

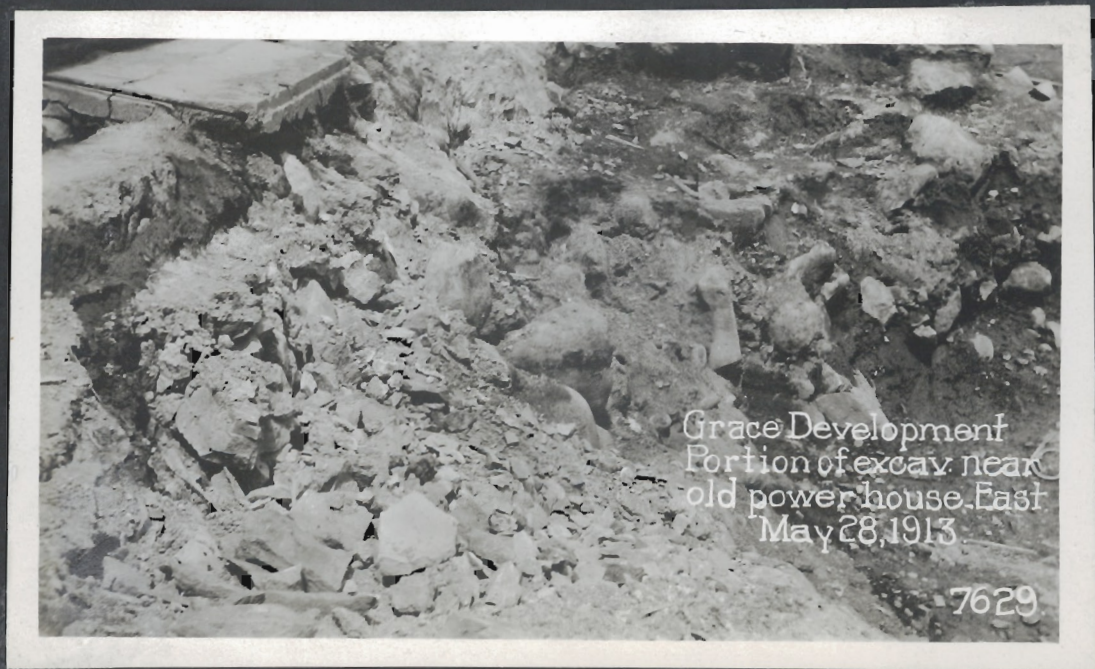

GRACE DEVELOPMENT
GRADE FOR R. R. ALONG PIPE LINE FROM
O. S. L. TO SURGE TANK FROM STA. 45.
NORTH EAST
MAY 28, 1913
7620



Grace Development
Method of making fill
at switch yard looking E.
May 28, 1913.
7627



Grace Development
Powerhouse excavation
from cen. of cut. East.
May 28, 1913.
7628



Grace Development
Portion of excav. near
old power house. East
May 28, 1913.
7629


Grace Development
Tailrace excav. shows
South slope.
May 28 1913.
7630


Grace Development.
Spoil bank
also shows old tailrace
Looking E.
May 28 1913.
7631


Grace Development
Excavation
W. side old tailrace looking E.
May 28, 1913.
7632


208
Grace Development
Steam shovel
From Sta. 54 - S.W.
May 28, 1913.
7633


Grace Development
Irrig. ditch crossing
pipeline trench
Sta 40 N.E.
May 28, 1913. 7634


GRACE DEVELOPMENT.
STEAM SHOVEL EXCAVATION AT STATION
54 + 50 FROM STATION 55, NORTH EAST
MAY 28, 1913
7619

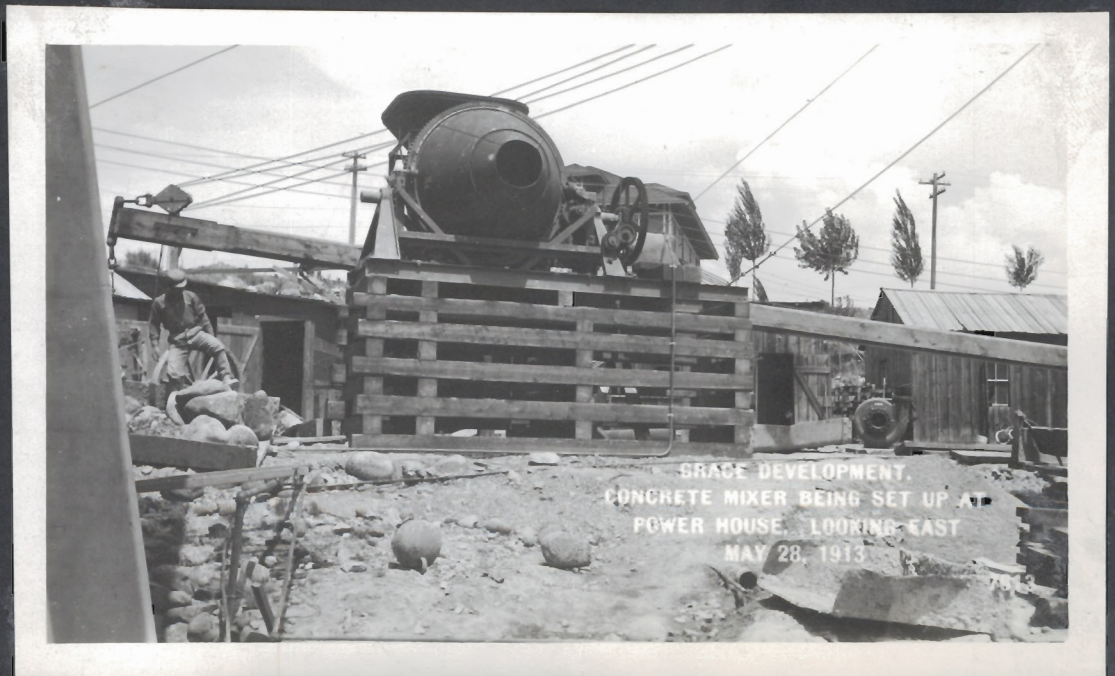

GRACE DEVELOPMENT.
SPOIL BANK OPPOSITE STATION 105.
LOOKING NORTH EAST
MAY 28, 1913
7618

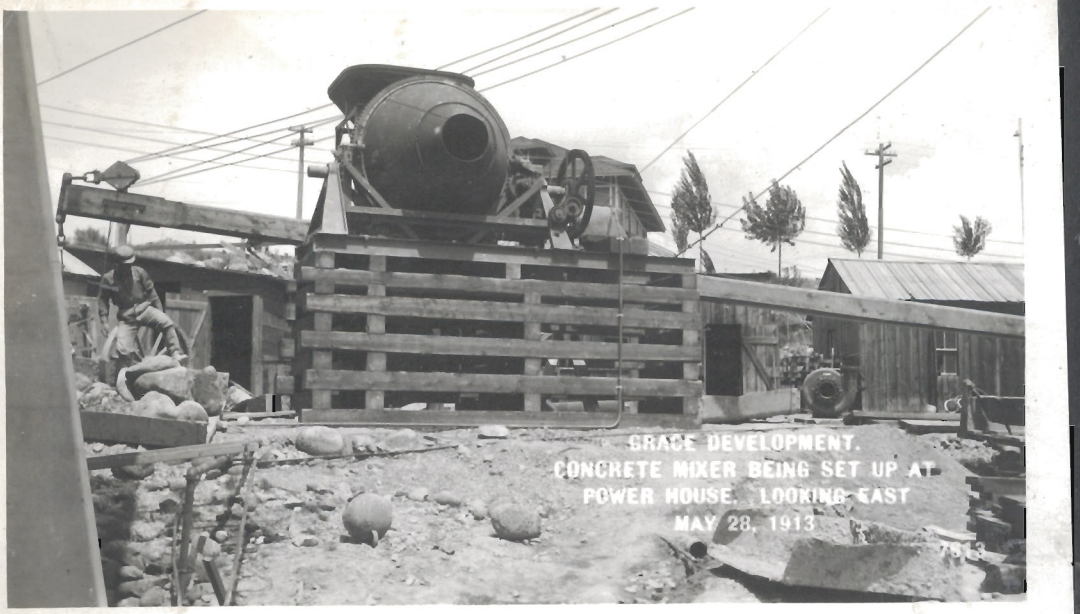

GRACE DEVELOPMENT.
BRIDGE BEING BUILT FOR HAULING
GRAVEL FROM ELSMORE PIT
MAY 28, 1913
7617


GRACE DEVELOPMENT.
TAILRACE EXCAVATION FROM 300 FT. WEST
OF C. L. OF UNITS. LOOKING EAST
MAY 28, 1913
7616


GRACE DEVELOPMENT.
TAILRACE EXCAVATION SHOWING
NORTH SLOPE. LOOKING EAST
MAY 28, 1913.
7615


GRACE DEVELOPMENT.
EXCAVATION NEAR OLD
POWER HOUSE. LOOKING EAST
MAY 28, 1913.
7614

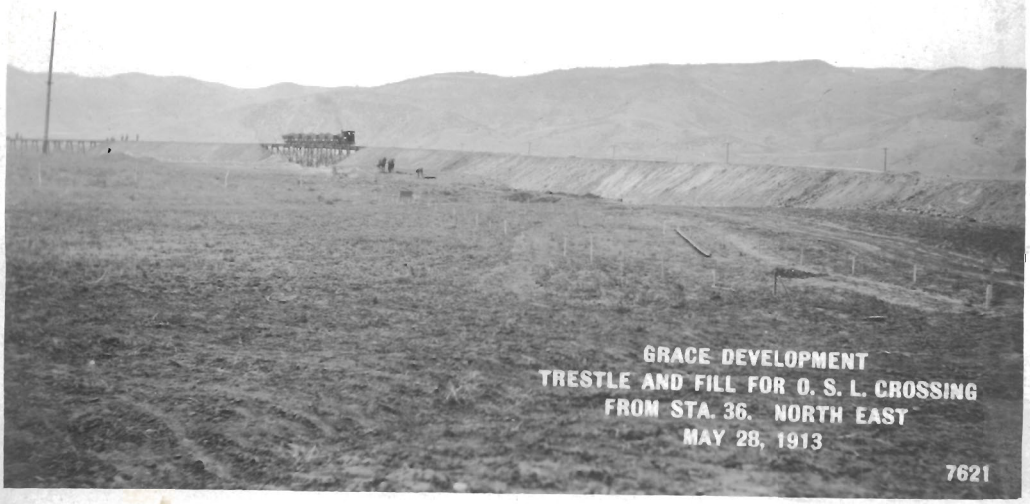

GRACE DEVELOPMENT.
CONCRETE MIXER BEING SET UP AT
POWER HOUSE. LOOKING EAST
MAY 28, 1913.



GRACE DEVELOPMENT.
CONCRETE MIXER BEING SET UP AT
POWER HOUSE. LOOKING EAST
MAY 28, 1913
7613



GRACE DEVELOPMENT.
SWITCH YARD GRADING.
LOOKING NORTH EAST
MAY 28, 1913
7612



GRACE DEVELOPMENT
TRESTLE AND FILL FOR O. S. L. CROSSING
FROM STA. 36. NORTH EAST
MAY 28, 1913
7621

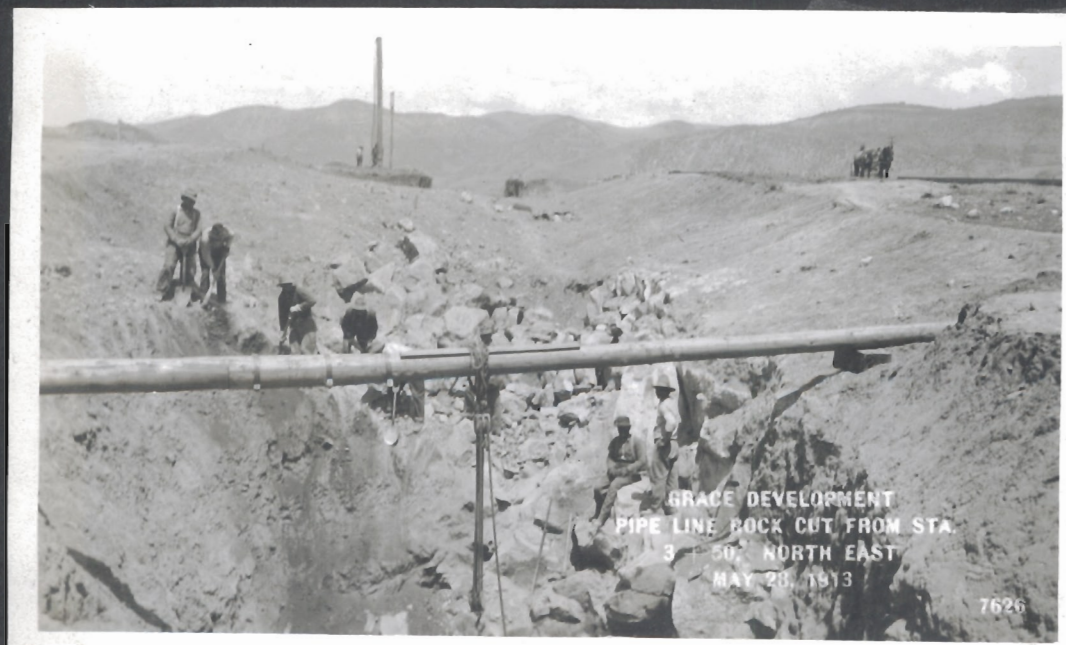

GRACE DEVELOPMENT
STEAM DRILL IN PIPE LINE TRENCH
AT STA. 24
MAY 28, 1913


GRACE DEVELOPMENT
O. S. L. ROCK CUT AT STA. 47
MAY 28, 1913
7623


GRACE DEVELOPMENT
STEAM SHOVEL IN O. S. L. ROCK CUT. STA. 22
MAY 28, 1913
7624



GRACE DEVELOPMENT
DERRICK BEING ERECTED AT INTAKE
CUT FROM STA. 2. NORTH EAST
MAY 28, 1913
7625



GRACE DEVELOPMENT
PIPE LINE ROCK CUT FROM STA.
3 - 50. NORTH EAST
MAY 28, 1913
7626



GRACE DEVELOPMENT
O. S. L. FILL AT ABOUT STA. 158 ALONG C. L.
JUNE 1, 1913
7673



Grace Development.
O.S.L. Spur excavation, Sta. 102.
View North. June 16, 1913.

4527



Grace Development.
O.S.L. Spur embankment, Sta. 105.
View North. June 16, 1913.

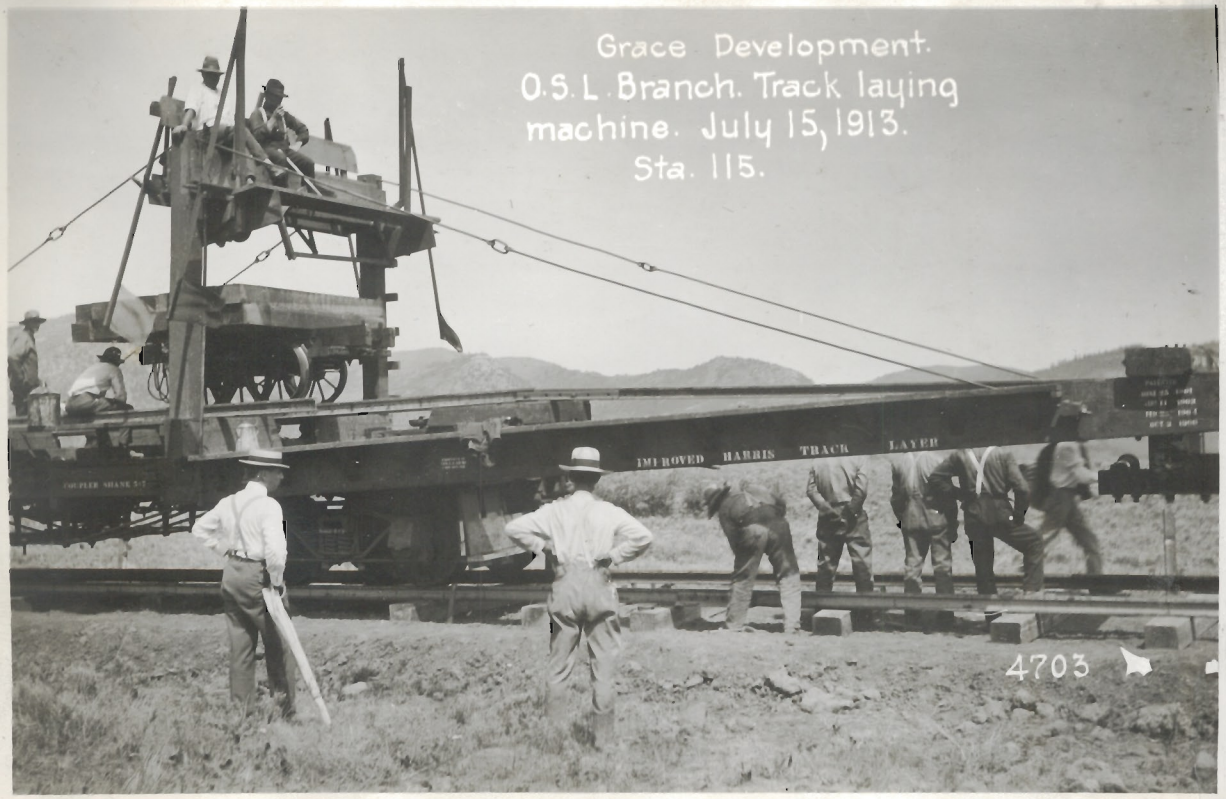
4525.


Grace Development.
O.S.L. Spur embankment, Sta. 202.
View North. June 16, 1913.
4524.


Grace Development.
Excavation for flow line,
Sta. 36, view North.
June 16, 1913.
4522.


Grace Development.
O.S.L. Spur embankment, Sta. 70.
View North. June 16, 1913.
4529.


Grace Development.
O.S.L. Spur moving Marion steam shovel
June 16, 1913
4531.




Grace Development.
O.S.L. Branch. Track laying machine. July 15, 1913.
Sta. 115.

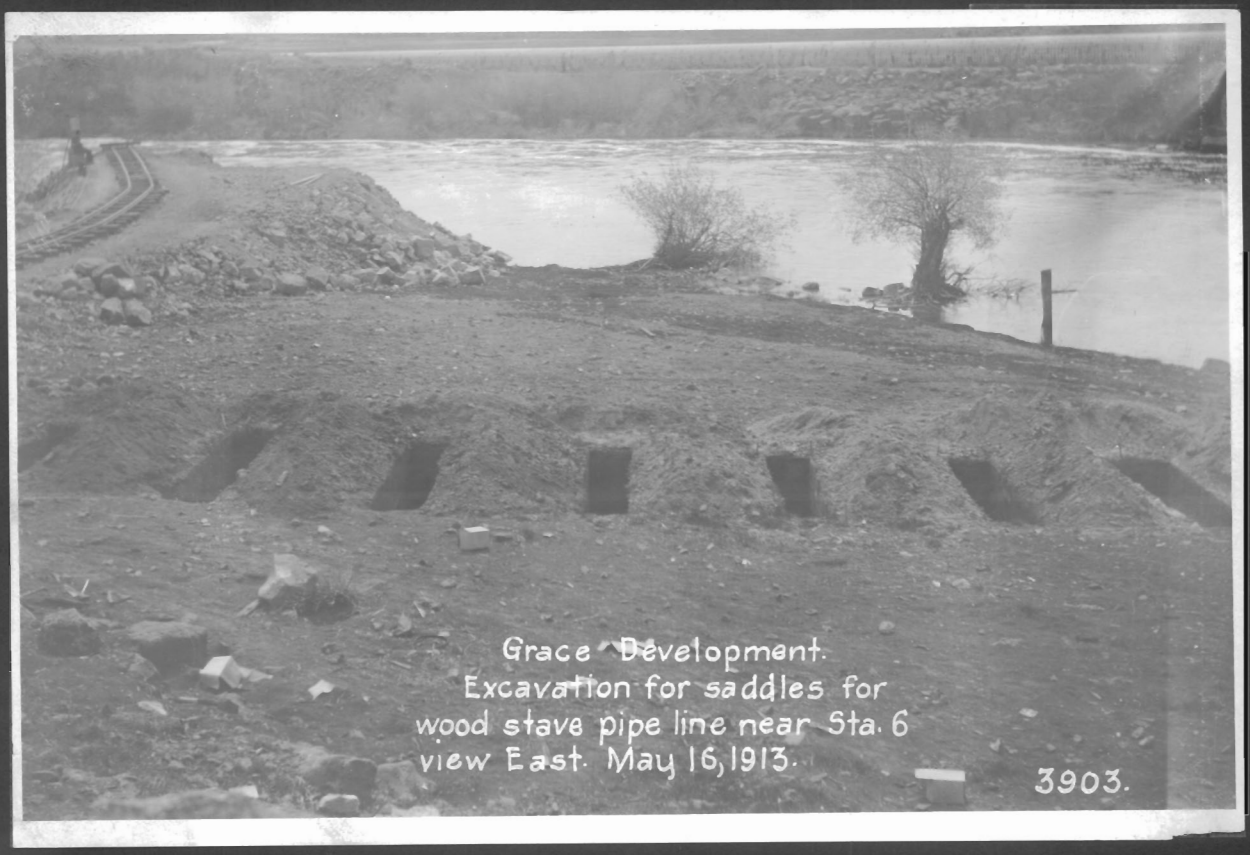


Grace Development.
Cement storage house and concrete mixer for concrete bridge carrying pipe line over Bear River.
July 16, 1913.

4705.


Grace Development.
Bucyrus steam shovel working in
flow line excavation. June 1, 1913.
3926.


Grace Development
Grading construction railroad
along flow line. Sta 50, view northeast.
June 1, 1913.
3923.



Grace Development.
Excavation for saddles for
wood stave pipe line near Sta. 6
view East. May 16, 1913.

3903.




Grace Development.
Rock drills operated by steam
from Traction engine Sta. 28 view
West May 16, 1913.

3901



Grace Development.
Excavation for power house
and tail race. June 1, 1913.

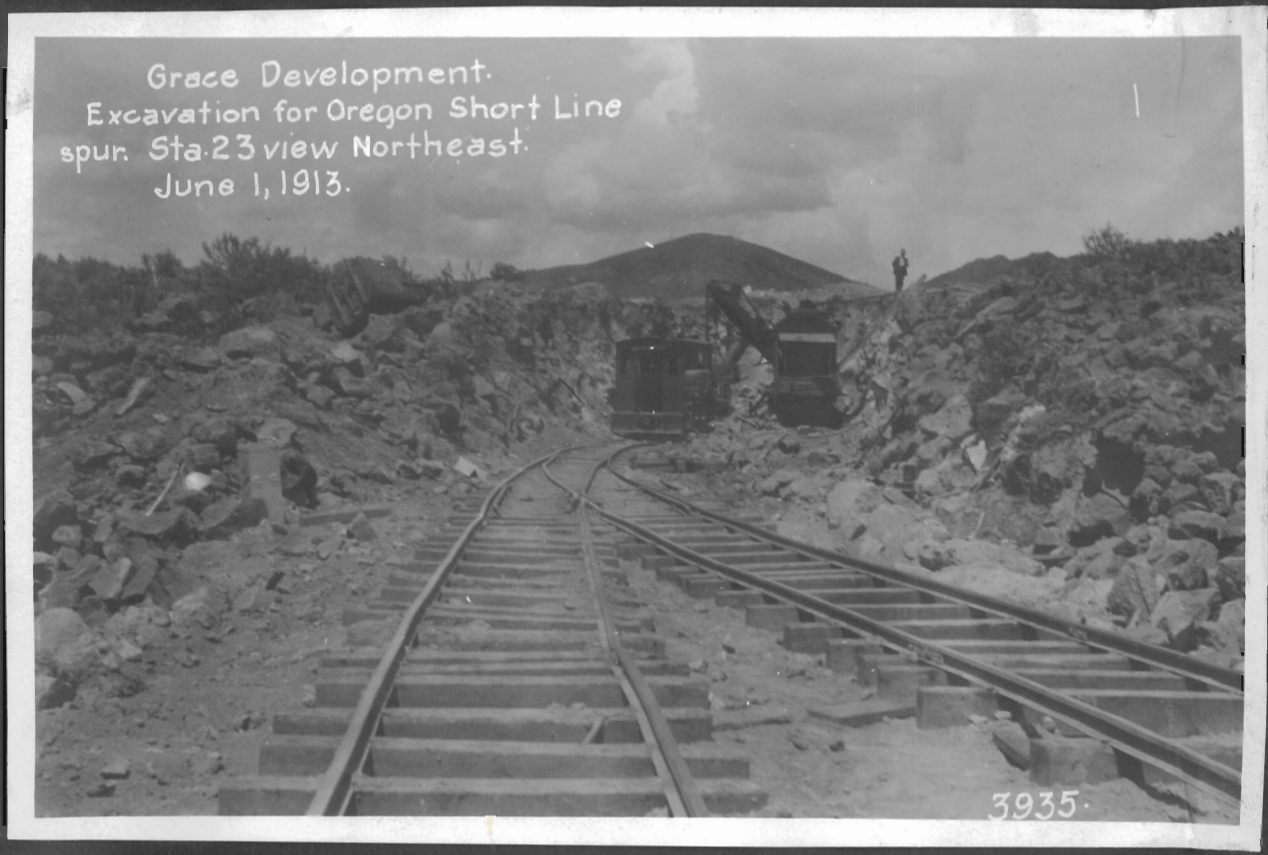


Grace Development.
Excavation for concrete saddle
for flow line. Sta. 35 view northeast.
June 1, 1913.

3930.



Grace Development.
Excavation flow line showing temporary
flume for irrigation ditch. Sta. 45 view Northeast.
June 1, 1913.
3933.



Grace Development.
Excavation for Oregon Short Line
spur. Sta. 23 view Northeast.
June 1, 1913.
3935.



Grace Development.
Materials at Alexander, for construction
on Oregon Short Line Spur. June 1, 1913.
3934



Grace Development.
Excavation for flow line showing temporary
flume for irrigation ditch. Sta. 45 view Northeast
June 1, 1913
3932


Grace Development
Excavation for flow line Sta 40.
view Northeast. June 1, 1913.
3931.


Grace Development
Spoil trestle from flow li
excavation. June 1, 1913.
3923


Grace Development.
Embankment for Oregon Short Line
Spur. Sta. 48, view South west
June 1, 1913.
3937.


Grace Development.
Excavation for intake. June 1, 1913.
3939.



Grace Development.
Excavation for power house
foundations. June 2, 1913. 3942

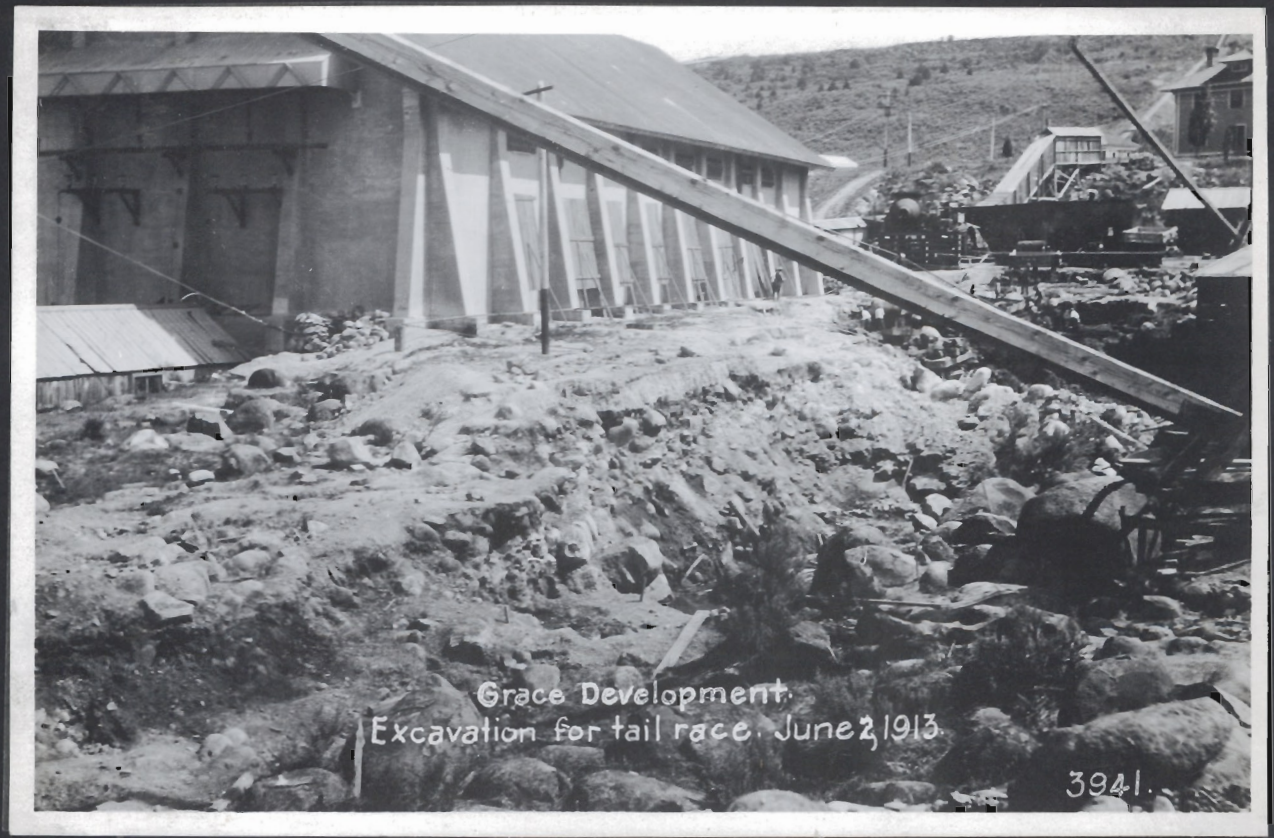


Grace Development.
Excavations for power hous
foundations. June 2, 1913.

3944.

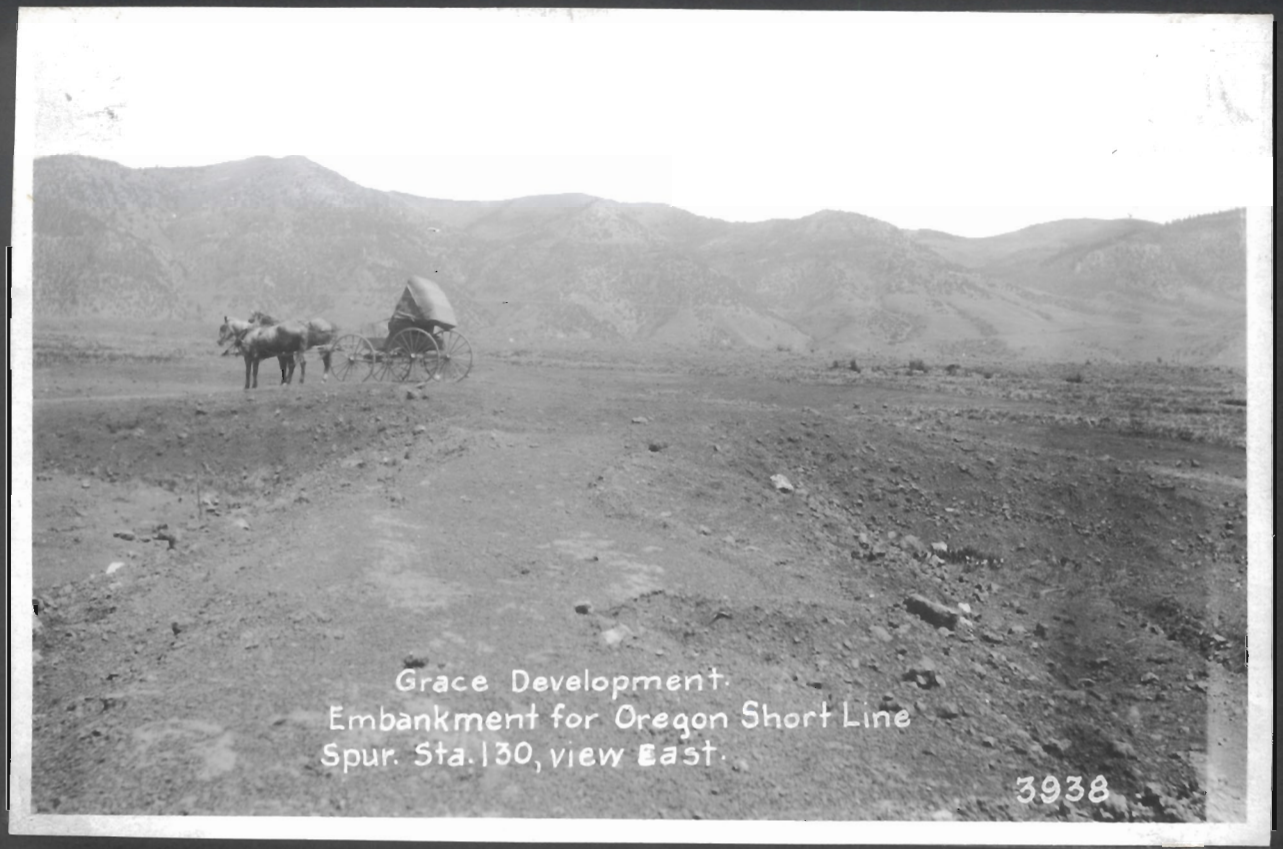


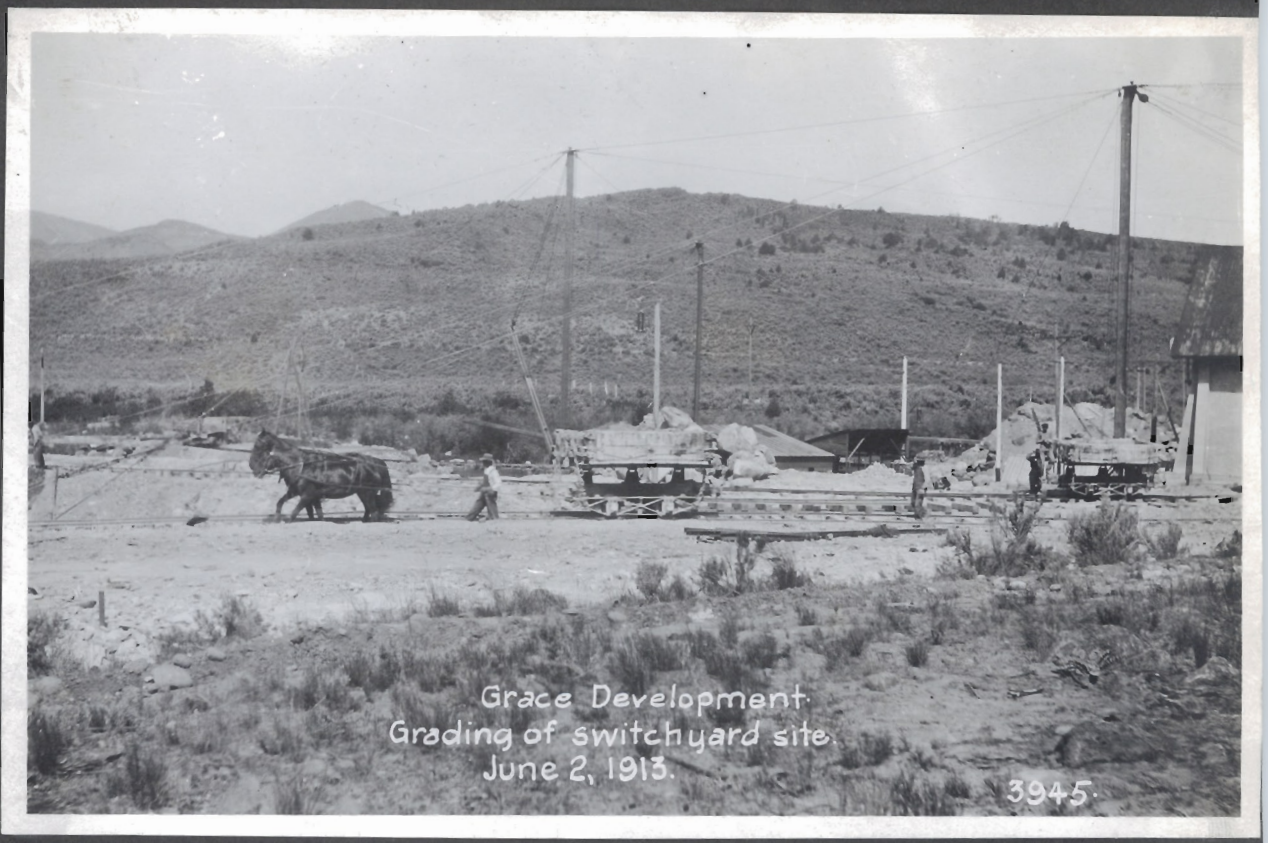
Grace Development
Excavation for power house foundations
June 2, 1913.
3943.



Grace Development.
Excavation for tail race. June 2, 1913.
3941.


Grace Development.
Excavation for flow line near
intake. View Northeast.
June 1, 1913.
3940.


Grace Development.
Embankment for Oregon Short Line
Spur. Sta. 130, view East.
3938


Grace Development.
Grading of switchyard site.
June 2, 1913.
3945.


Grace Development.
Excavation for power house
foundations and tailrace, view West.
June 16, 1913.
3999.

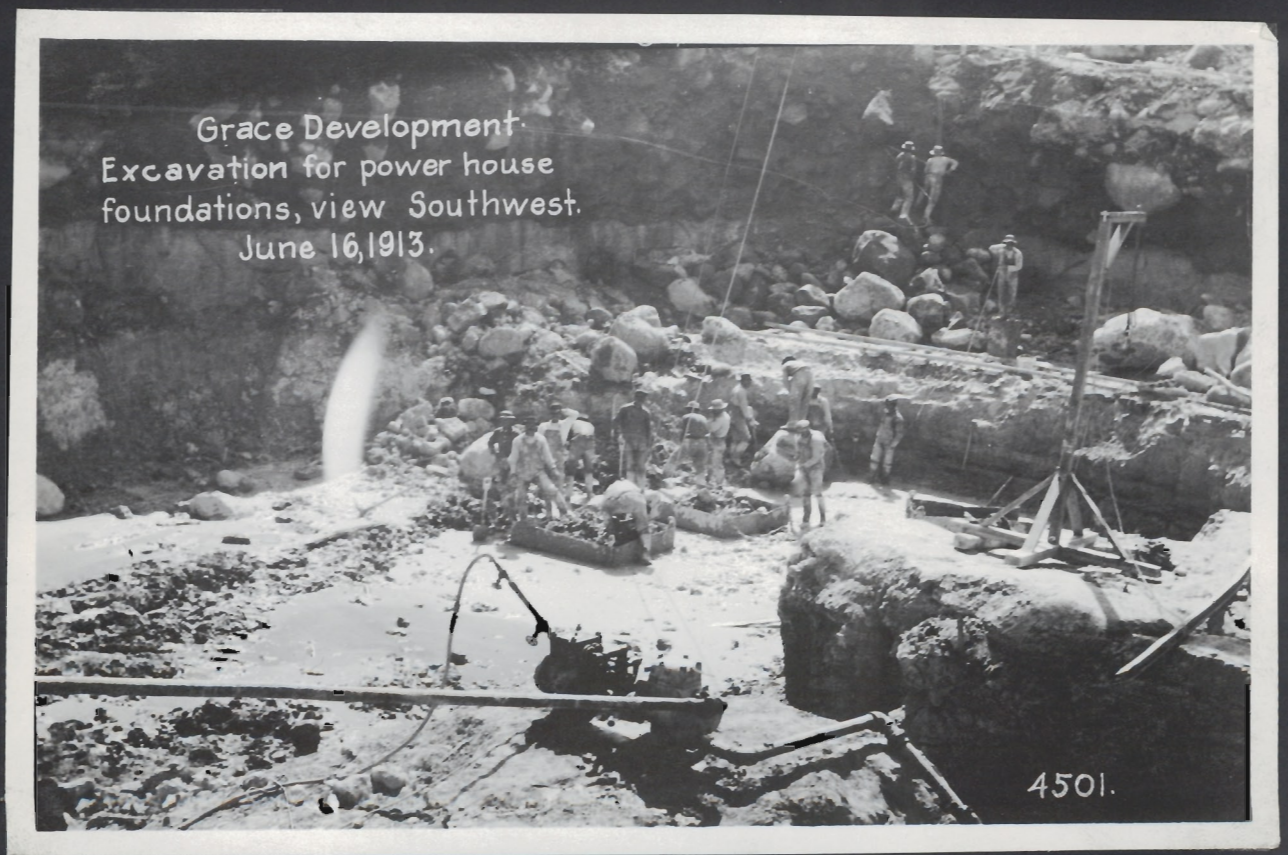


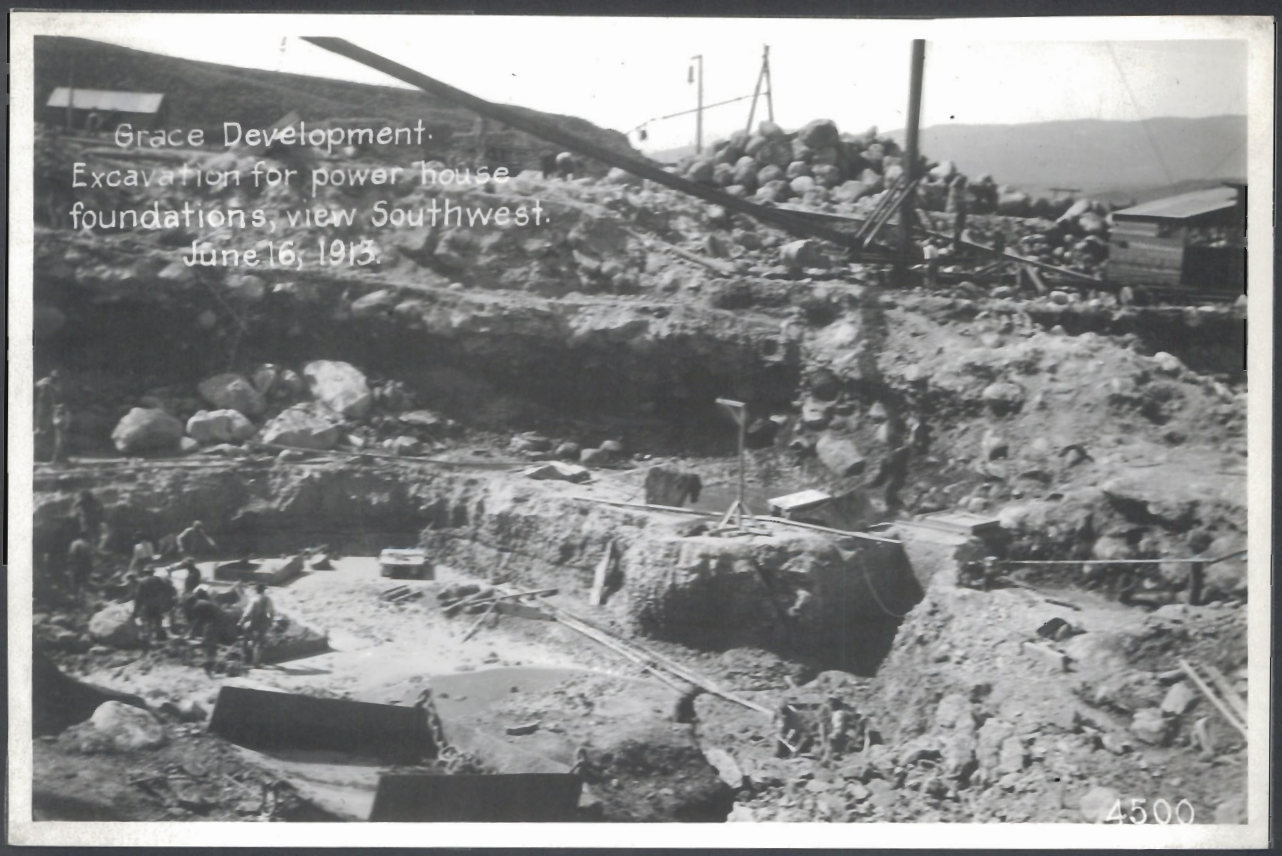
Grace Development.
Excavation for tailrace, view West.
June 16, 1913.
4502.



Grace Development.
Excavation for powerhouse
foundations, view Northwest.
June 16, 1913. 4504.


Grace Development.
Excavation for power house
foundations. View Northeast.
June 16, 1913.
4503.


Grace Development.
Excavation for power house
foundations, view Southwest.
June 16, 1913.
4501.


Grace Development.
Excavation for power house
foundations, view Southwest.
June 16, 1913.
4500


Grace Development.
Construction camp powerhouse.
June 2, 1913.
3946.



Grace Development.
Excavation for saddles for flow line, Sta. 166, view North.
June 16, 1913.

4505.



Grace Development.
Excavation for saddles for flow line, Sta. 149, view South.
June 16, 1913.

4507.



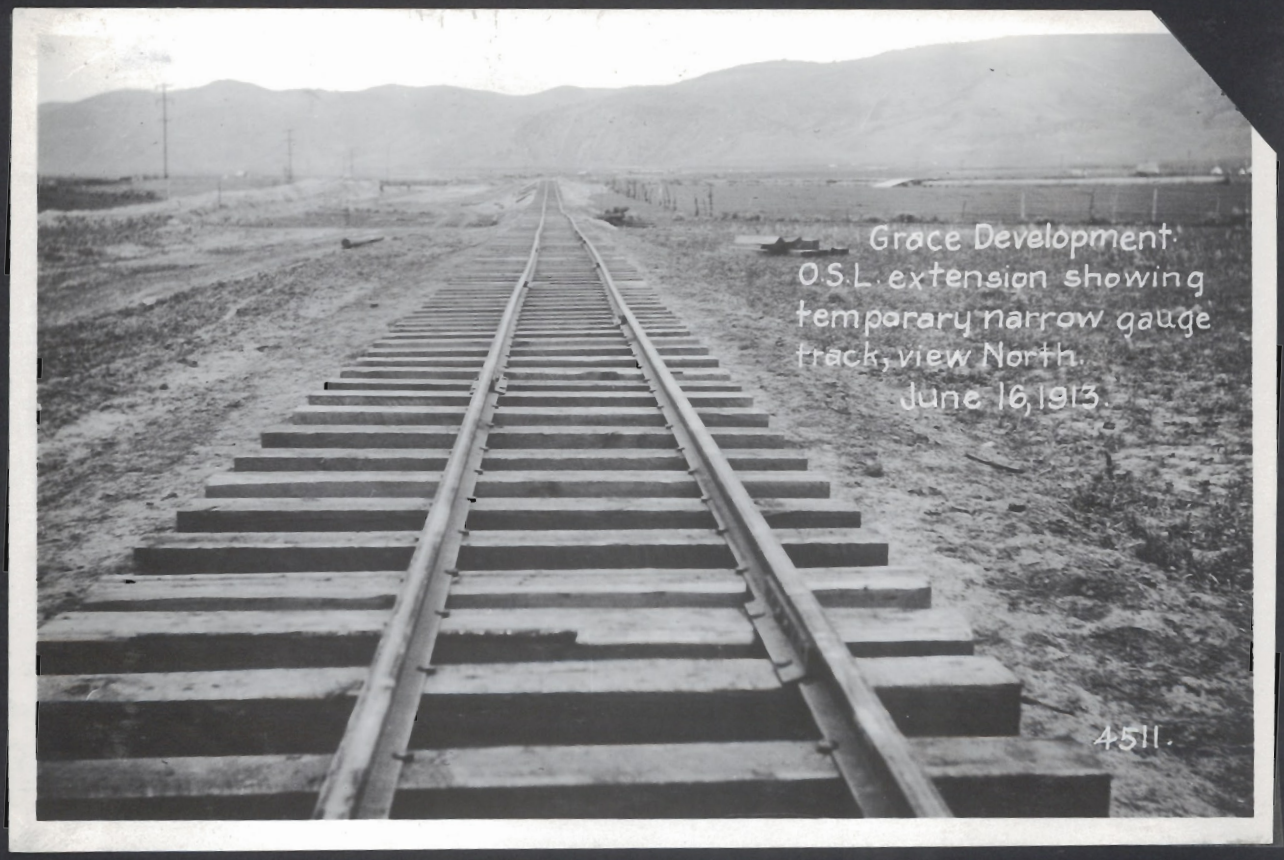
Grace Development.
Grade for O.S.L. extension,
view North. June 16, 1913.

4510.



Grace Development.
Excavation for saddles for flow
line, Sta. 35, view North.
June 16, 1913.

4512.



Grace Development.
O.S.L. extension showing
temporary narrow gauge
track, view North.
June 16, 1913.

4511.



Grace Development.
Rock excavation for flow line showing
steam drill, Sta. 59, view North.
June 16, 1913.

4509.



Grace Development.
Excavation for flow line showing
Bucyrus steam shovel, Sta 73, view North.
June 16, 1913. 4508.



Grace Development.
Excavation for saddles for
flow line, Sta 149, view North.
June 16, 1913. 4506.



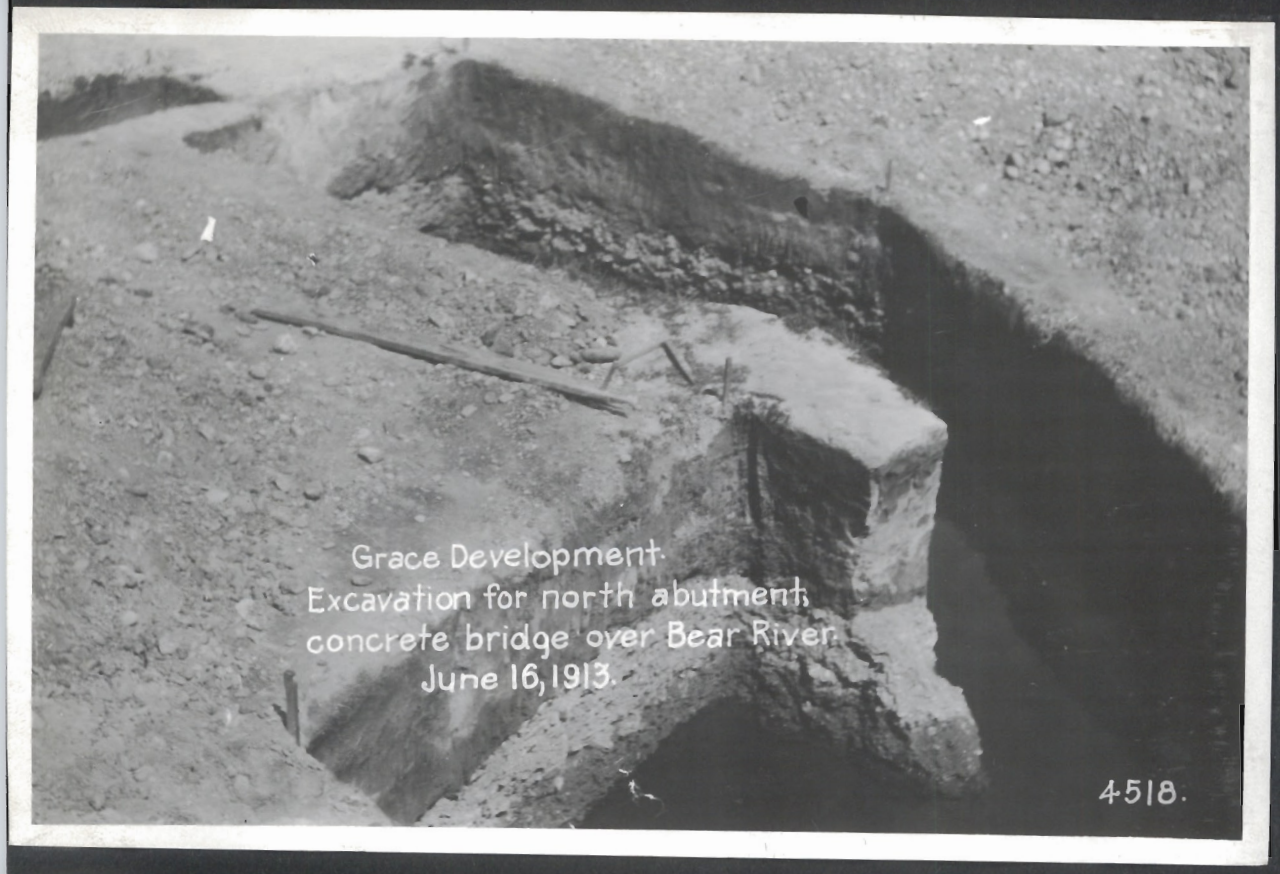
Grace Development.
Excavation for flow line, Sta. 23,
view North. June 16, 1913.

4513.



Grace Development.
O.S.L. Spur trestle over flow line
excavation, Sta. 27, view West.
June 16, 1913.

4515.



Grace Development.
Excavation for north abutment,
concrete bridge over Bear River.
June 16, 1913.

4518.



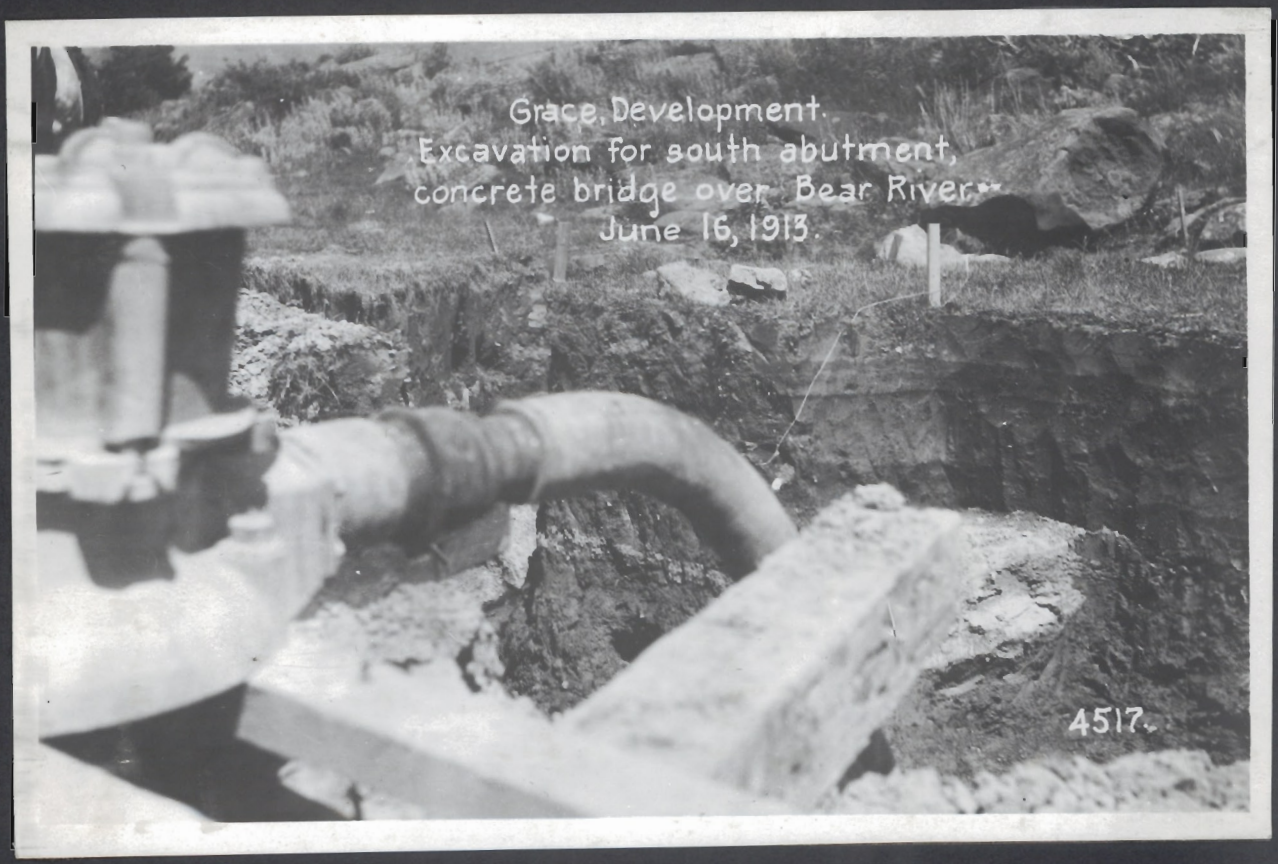
Grace Development.
Bear River looking upstream
from temporary bridge showing
low water conditions.
June 16, 1913.

4520.



Grace Development.
Concrete mixer and cement
storage house near intake.
June 16, 1913.

4519.



Grace, Development.
Excavation for south abutment,
concrete bridge over Bear River.
June 16, 1913.

4517.


Grace Development
Excavation for flow line saddles,
Sta. 13, view North June 16, 1913.
4516.

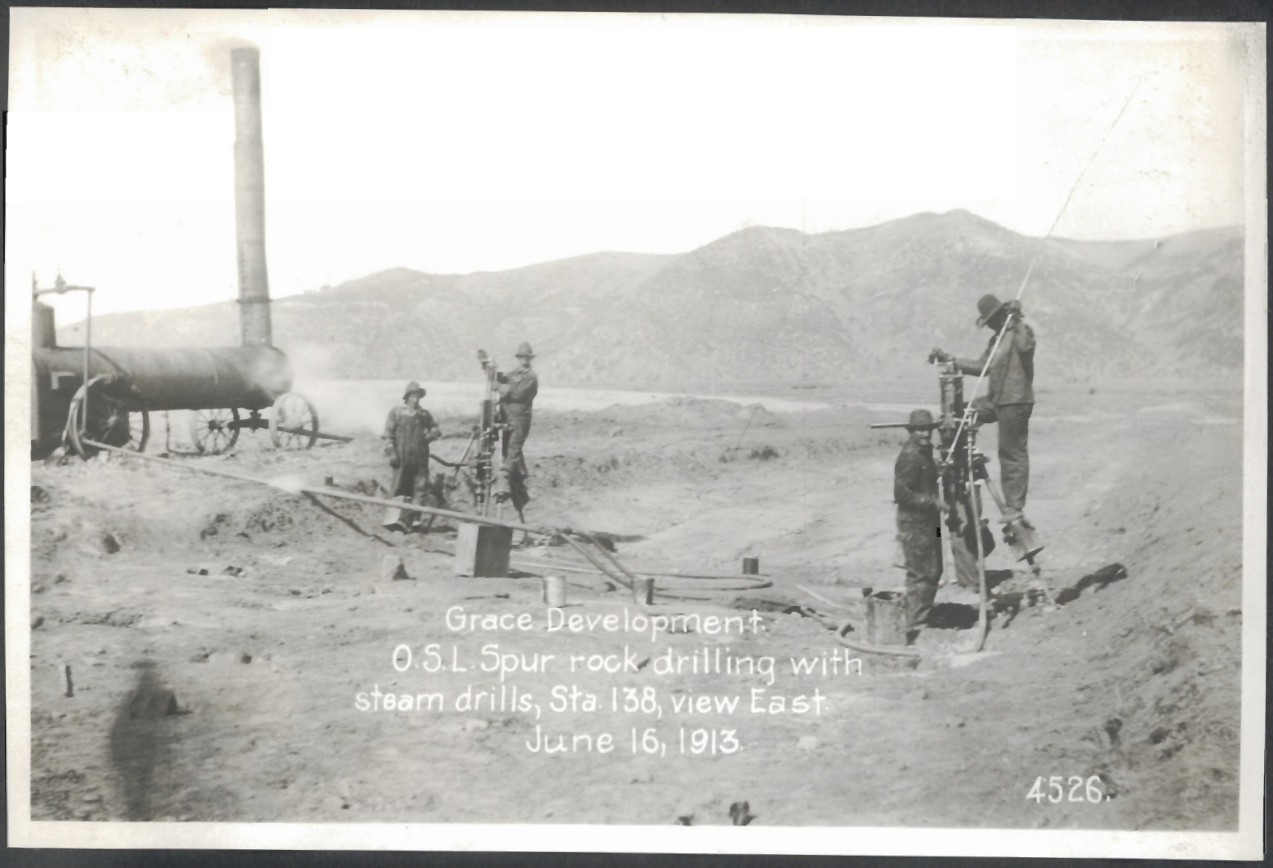

Grace Development
O.S.L. Spur embankment south
of Bear River, view West
June 16, 1913.
4514.



Grace Development.
Rock excavation for flow line,
Sta. 2, view North. June 16, 1913.
4521.

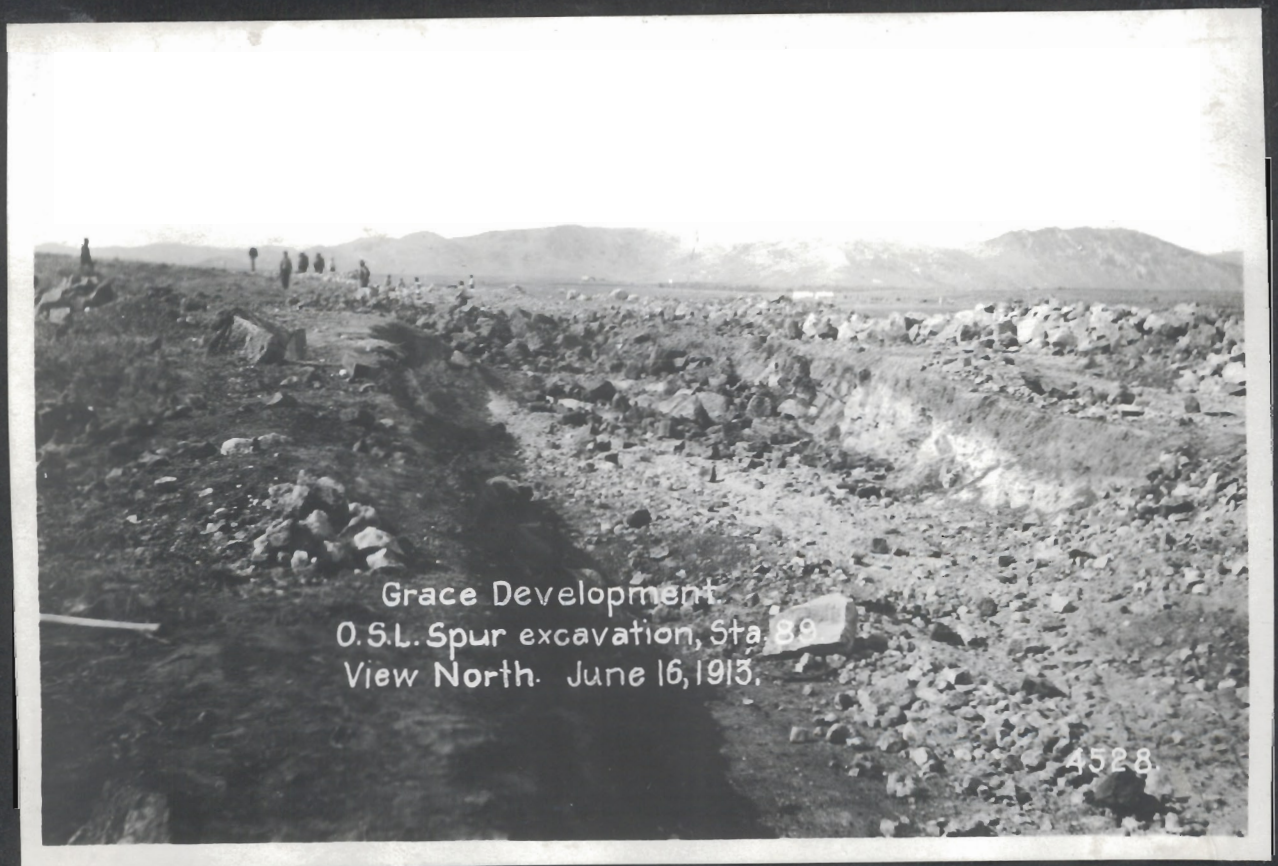


Grace Development.
O.S.L. Spur embankment on
north side of Bear River.
June 16, 1913.
4523.



Grace Development.
O.S.L. Spur rock drilling with
steam drills, Sta. 138, view East.
June 16, 1913.

4526.



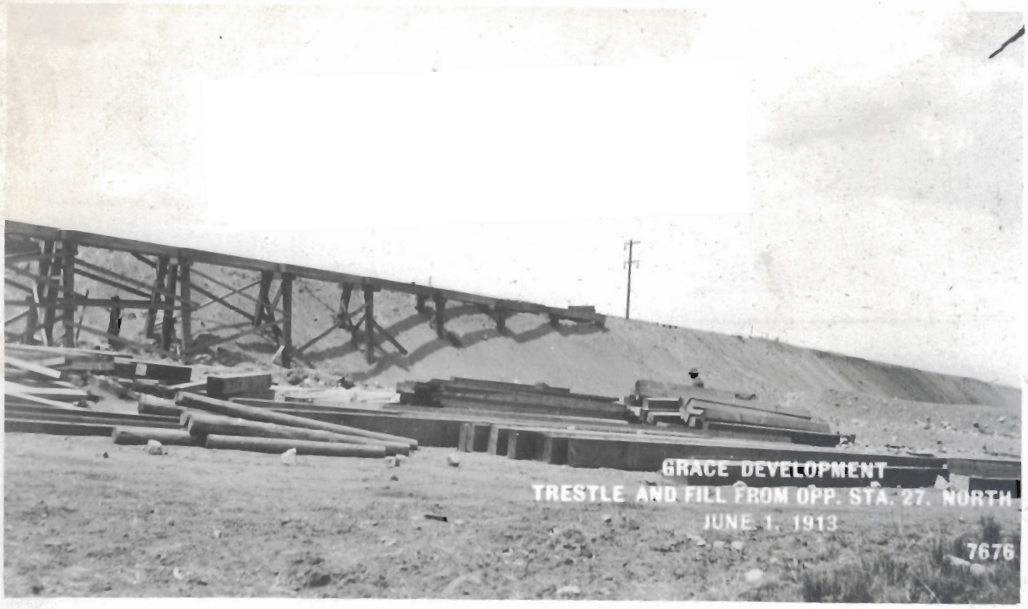
Grace Development.
O.S.L. Spur excavation, Sta. 89
View North. June 16, 1913.

4528.


GRACE DEVELOPMENT
O. S. L. ROCK CUT FROM STA. 91 + 50, NORTH
JUNE 1, 1913
7674


GRACE DEVELOPMENT
O. S. L. ROCK FILL FROM STA. 47. NORTH
JUNE 1, 1913
7675


GRACE DEVELOPMENT
O. S. L. ROCK FILL FROM STA. 47. NORTH
JUNE 1, 1913
7675



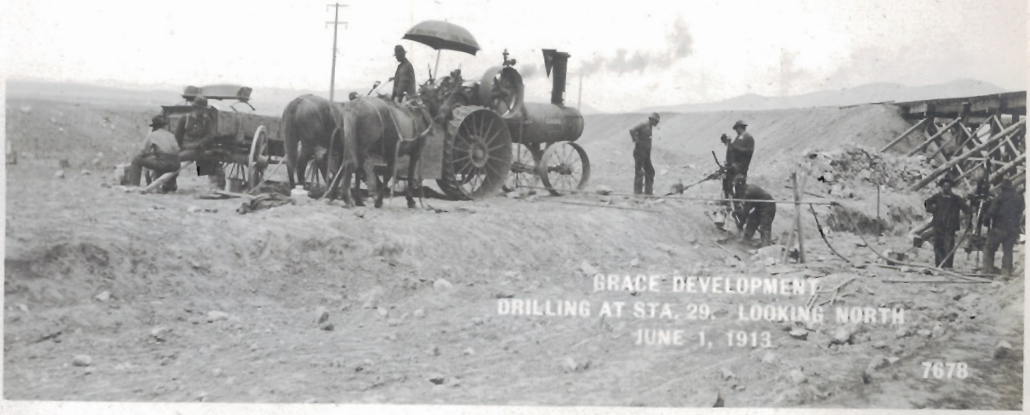
GRACE DEVELOPMENT
TRESTLE AND FILL FROM OPP. STA. 27. NORTH
JUNE 1, 1913
7676



GRACE DEVELOPMENT
TRESTLE AND FILL FROM OPP. STA. 27. SOUTH
JUNE 1, 1913
7677



GRACE DEVELOPMENT
DRILLING AT STA. 29. LOOKING NORTH
JUNE 1, 1913
7678



GRACE DEVELOPMENT
DRILLING AT STA. 29. LOOKING NORTH
JUNE 1, 1913
7678



GRACE DEVELOPMENT
BOILER AND COMPRESSOR AT STA. 68
PIPE LINE
JUNE 1, 1913
7679



GRACE DEVELOPMENT
TRESTLE AND FILL AT STA. 101
JUNE 1, 1913
7680


GRACE DEVELOPMENT
TRACKS AND CARS FOR CARRYING
SOIL AT POWER HOUSE
JUNE 1, 1913
7681


GRACE DEVELOPMENT
CONCRETE MIXING PLANT AT POWER HOUSE
JUNE 1, 1913
7682


GRACE DEVELOPMENT
O. S. L. TRESTLE FOR FILL. STA. 30. NORTH
JUNE 1, 1913
7683


Grace Development
Derrick & Engine
at Sta. 0+50 pipe Line.
June 1, 1913.
7695


Grace Development
O. S. L. fill at about
Sta. 158 along C. L.
June 1, 1913.
7696.


GRACE DEVELOPMENT
O. S. L. ROCK CUT, STA. 101, NORTH
JUNE 7, 1913
7756



GRACE DEVELOPMENT
O. S. L. ROCK CUT, STA. 43, NORTH
JUNE 7, 1913
7757

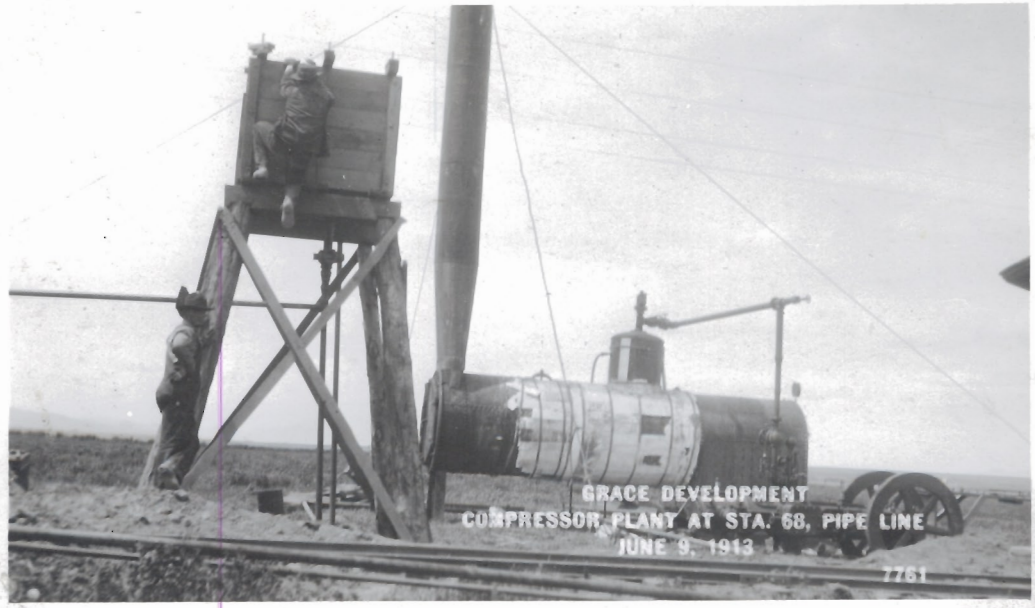


GRACE DEVELOPMENT
O. S. L. ROCK CUT, SHOVEL EXCAVATING
AT STA. 21+70
JUNE 7, 1913
7758



GRACE DEVELOPMENT
O. S. L. EMBANKMENT AND FINISHED ROCK
CUT IN DISTANCE FROM STA. 53, NORTH
JUNE 7, 1913
7759


GRACE DEVELOPMENT
GRADER BEING USED BY SUBCONTRACTORS
FROM STA. 62, NORTH, O. S. L.
JUNE 9, 1913
7760


GRACE DEVELOPMENT
COMPRESSOR PLANT AT STA. 68, PIPE LINE
JUNE 9, 1913
7761


GRACE DEVELOPMENT
STEAM SHOVEL IN PIPE LINE CUT, STA. 68
JUNE 9, 1913
7762


GRACE DEVELOPMENT
EXCAVATION FOR NORTH ABUTMENT
CONCRETE BRIDGE, STA. 6+80
JUNE 9, 1913
7763


GRACE DEVELOPMENT
DERRICK AT STA. 0+60
JUNE 9, 1913
7764


GRACE DEVELOPMENT
CONCRETE MIXER AT POWER PLANT
JUNE 9, 1913
7765


GRACE DEVELOPMENT
BRIDGE OVER RIVER.
JUNE 9, 1913
7766


GRACE DEVELOPMENT
TAILRACE EXCAVATION
JUNE 9, 1913
7767


GRACE DEVELOPMENT
POWER HOUSE EXCAV.
JUNE 9, 1913
7768


GRACE DEVELOPMENT
O. S. L. BRIDGE ACROSS BEAR RIVER
JUNE 9, 1913
7769


T. & S. F.
80 9 59
GRACE DEVELOPMENT
PENSTOCK MATERIAL ON CAR AT ALEXANDER
JUNE 9, 1913
7770


Grace Development
O.S.L. Rock cut
Sta. 85 N.
June 7, 1913.
7771