

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURIEARTH SCIENCE LABORATORY
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TELEPHONE 801-581-5283

September 10, 1982

MEMORANDUM

TO: Files

FROM: H. P. Ross

RE: Raft River Seismic Data

A high resolution seismic reflection survey was conducted across the Raft River geothermal area in 1979(?). The work was completed for the USGS under the direction of Hans Ackerman, USGS Denver. Ackerman has begun a preliminary interpretation but this work is not currently funded and the data have not been released to Open File or otherwise made public. One migrated section is presented by Covington (1982) in a draft of his paper, "Structural Evolution of the Raft River Basin, Idaho". Covington presents some qualitative, geologically oriented interpretation of the seismic data.

Hans Ackerman, who is an old friend of mine and with whom I interface in the Nuclear Waste Disposal Program, has made the data available to me in support of our Raft River Injection project. If time, funds, interest and other priorities permit, Hans and I will eventually co-author an interpretation of the data.

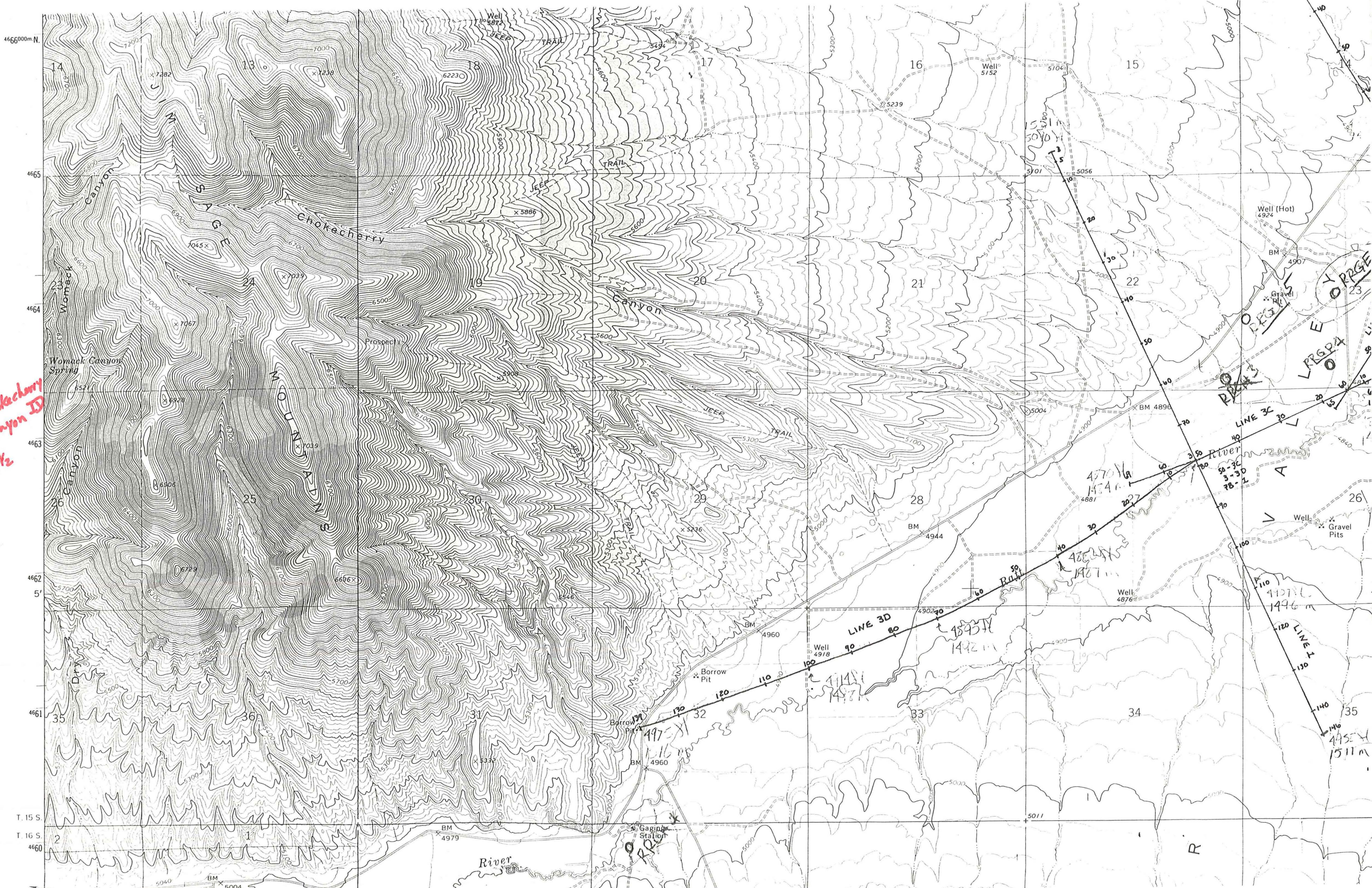
These data are not to be reproduced or removed from ESL files without specific permission. Included in the data package now on file are:

Migrated Sections, 0-2 sec. Lines 1, 2, 3A, 3B, 3C, 3D, 4, 5, 6.
Location map, 1:24,000 scale; Portions of Chokecherry Canyon,
Naf, Kane, and Bridge (Idaho) 7½ minute Quads.



HPR/jm

Chokecherry
Canyon ID
7 1/2



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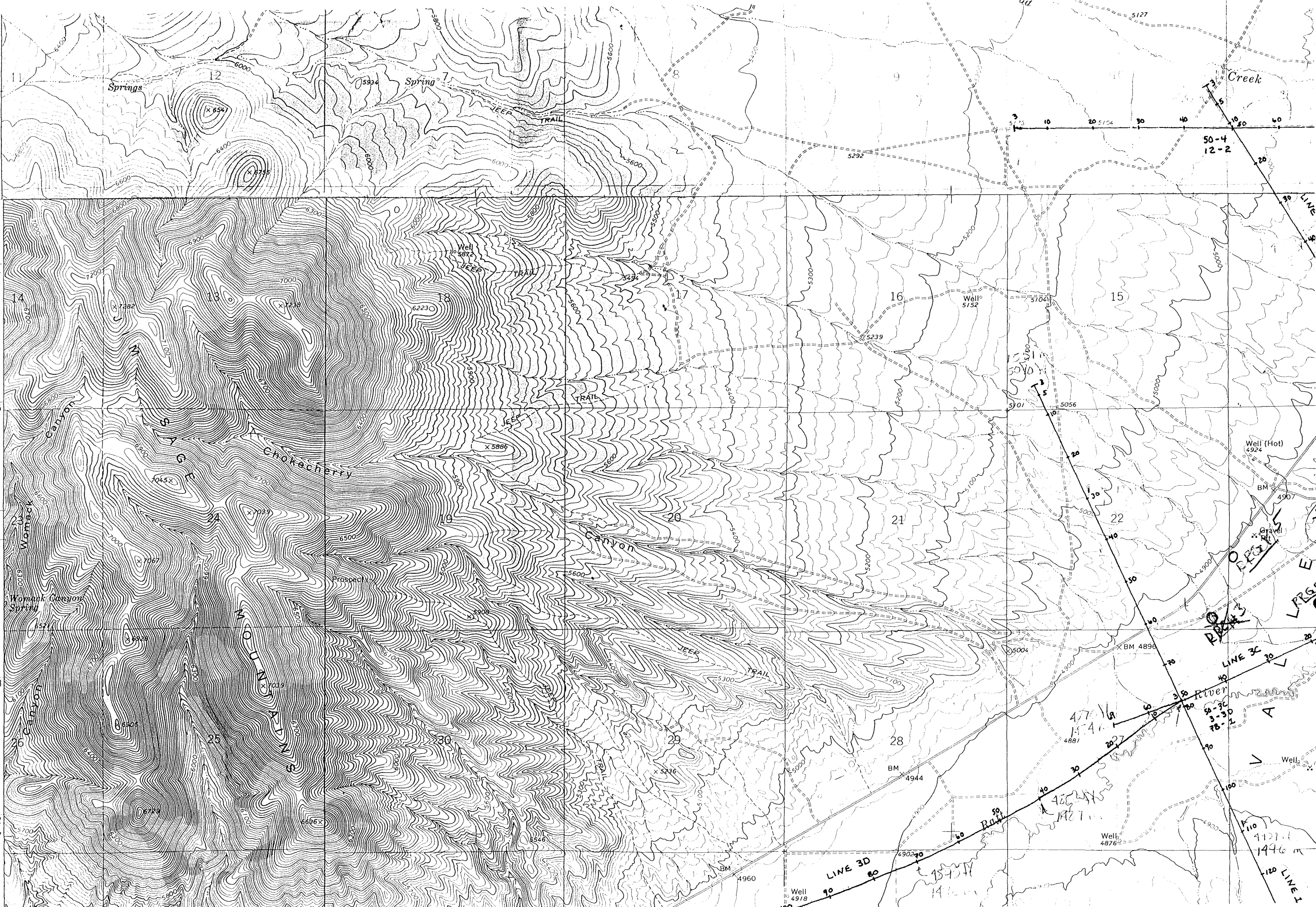
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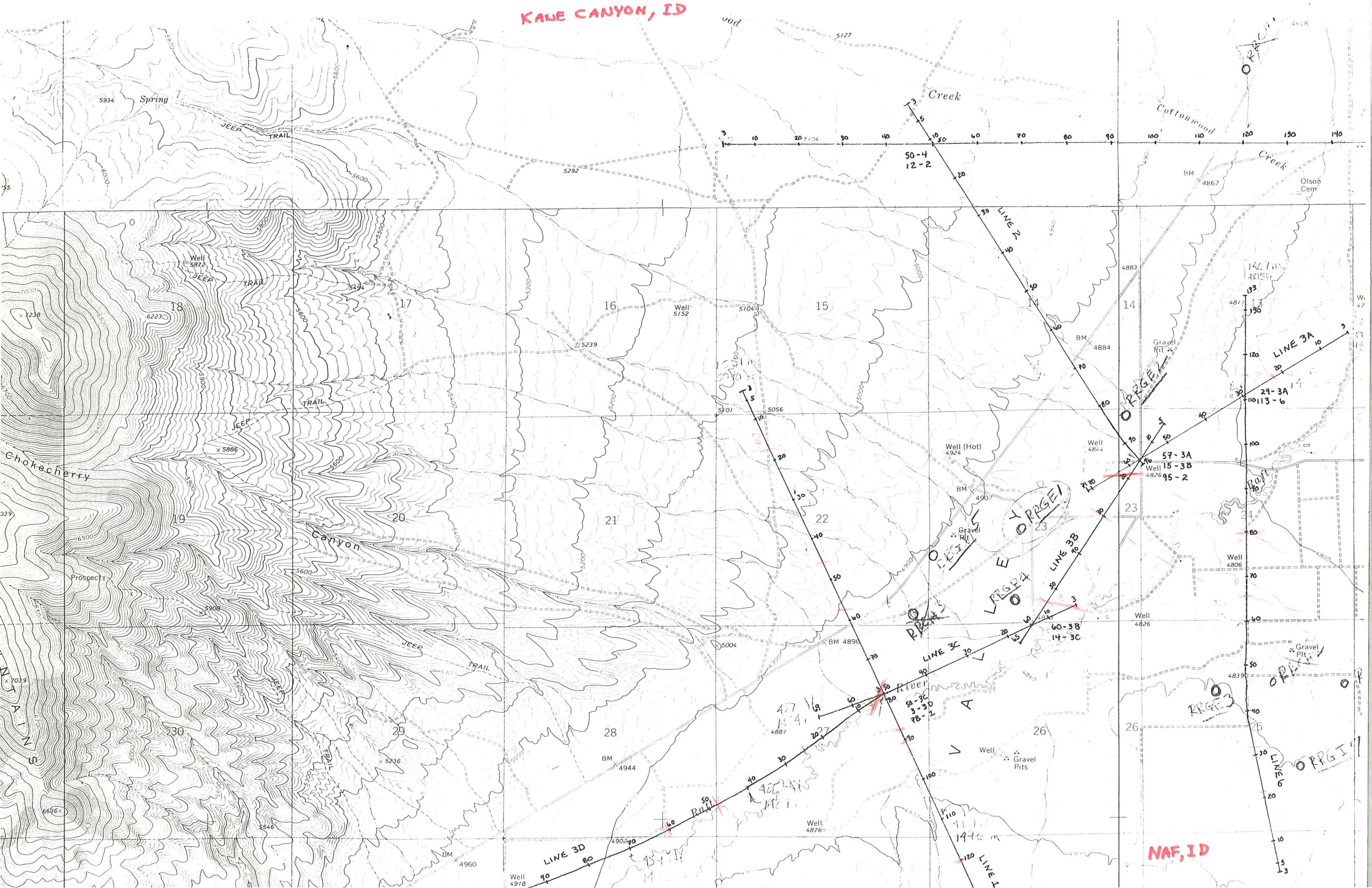
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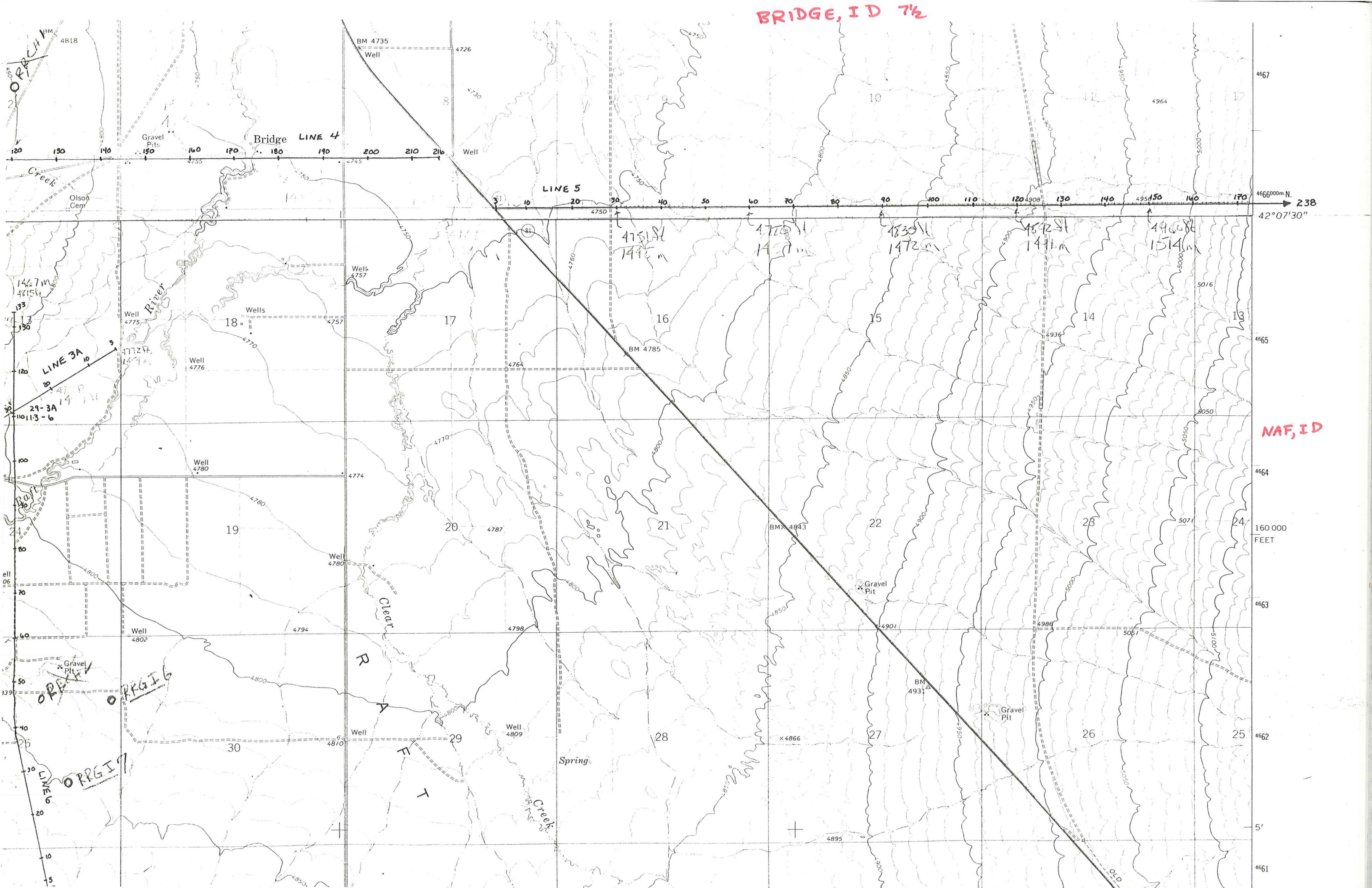


KANE CANYON, ID



NAF, ID

BRIDGE, I D 7 1/2



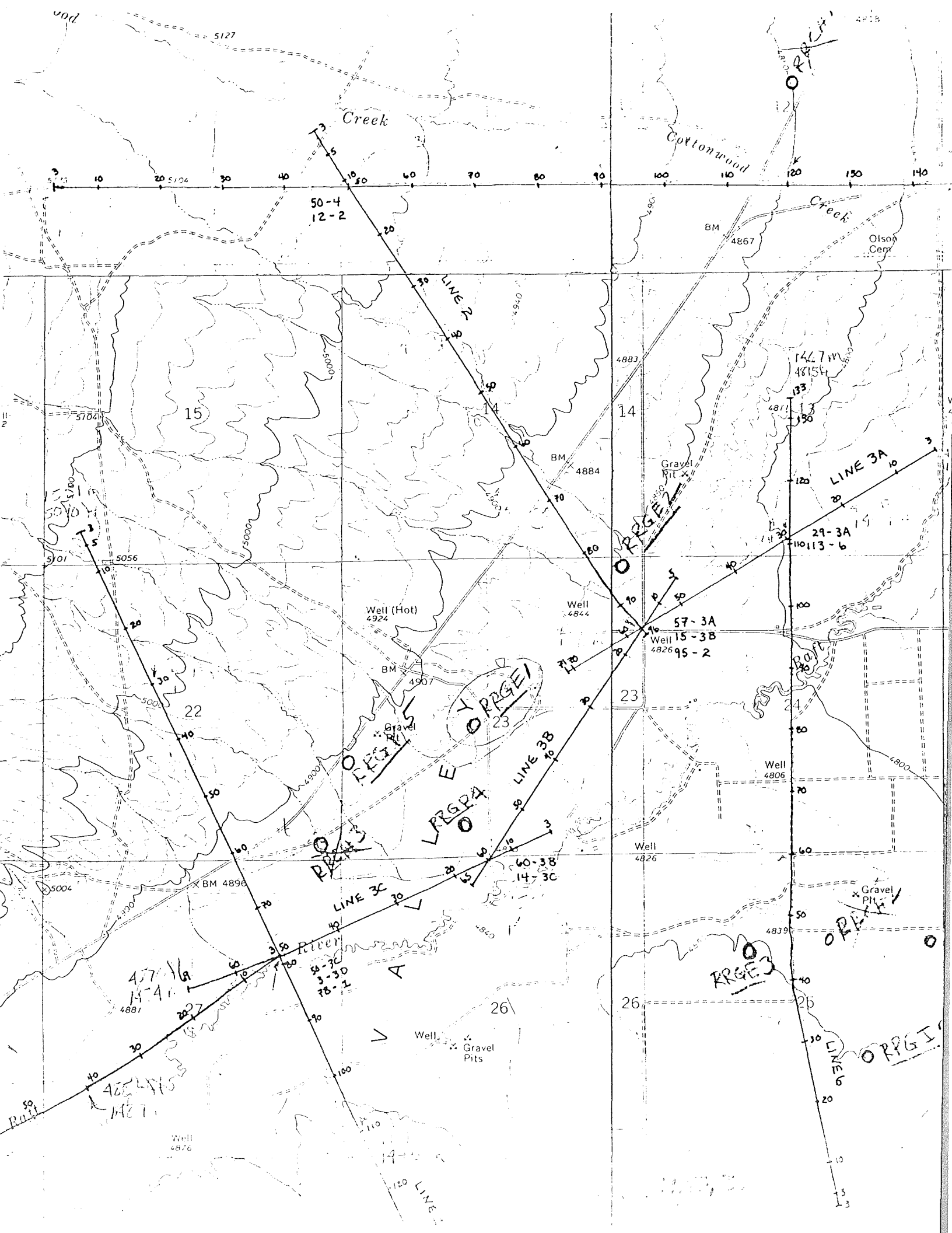
4666000m N.
42°07'30"

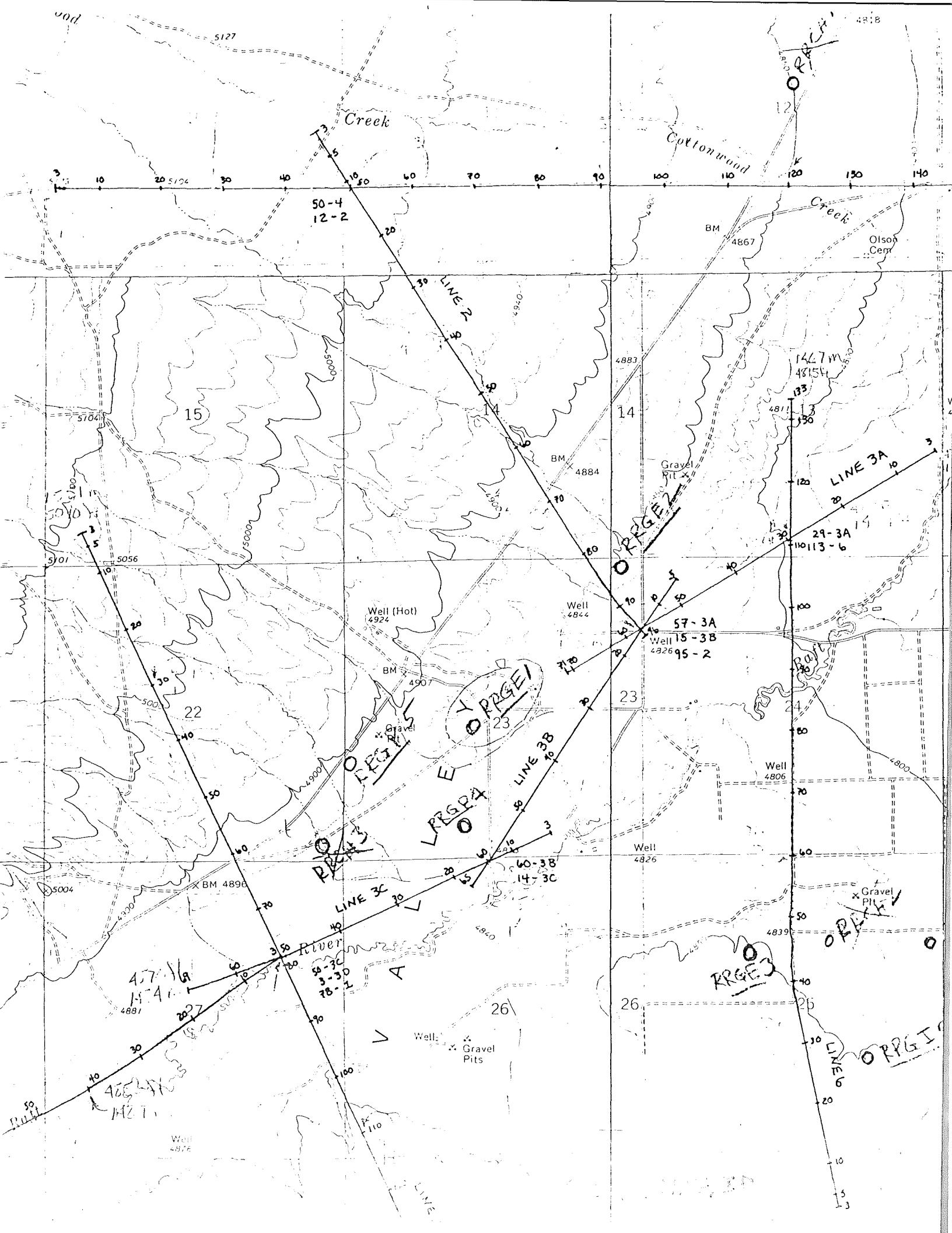
NAF, I D

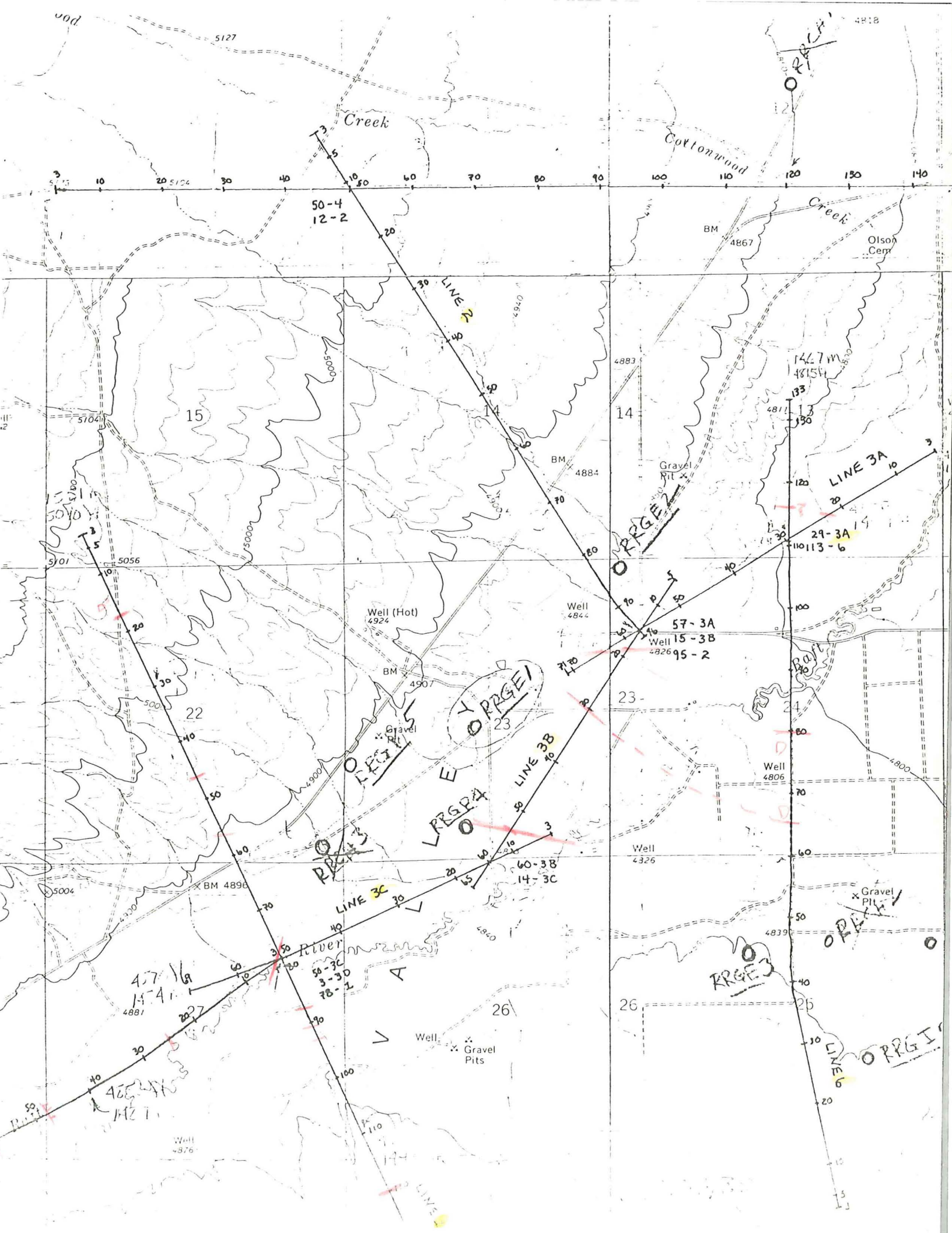
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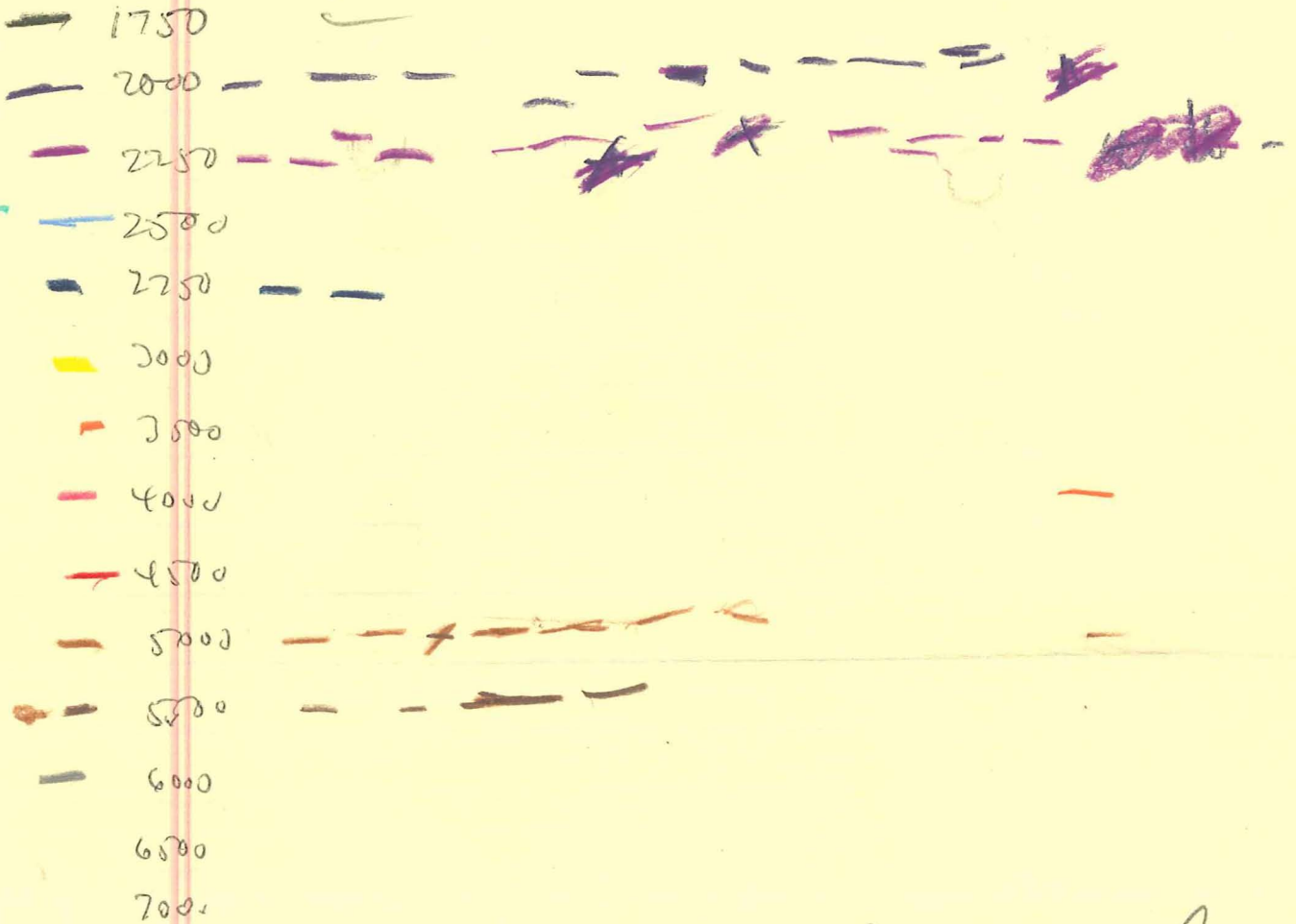




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$$V_E^2 = \frac{V_2^2 T_2 - V_1^2 T_1}{(T_2 - T_1)}$$

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Color code used
for int. vel. from
starting velocities.