UNIVERSITY OF UTAH RESEARCH INSTITUTE



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January 10, 1979

MEMORANDUM

TO: Idaho Files

FROM: D. L. Nielson

SUBJECT: Rumored hot well near Gray's Lake and Big Elk Mtn.

Phillips Petroleum was contacted concerning a rumor of a hot Conoco well (400°F) near Gray's Lake in Idaho. Joe Beal of Phillips indicated that Conoco has a land position north of of theirs on the west Shore of Gray's Lake. The well may have been permitted to American Ouesar.

In the same area, a Pan American Petroleum well on Big Elk Mtn. south of Palisades Reservoir (T2S, R44E, sec. 24) reported a maximum temperature of 288°F at 9722' 6 hours after circulation. This data is also somewhat suspect.

Nielson Dennis L.

Y

DLN/smk

cc: Mike Wright Duncan Foley Debbie Struhsacker 2

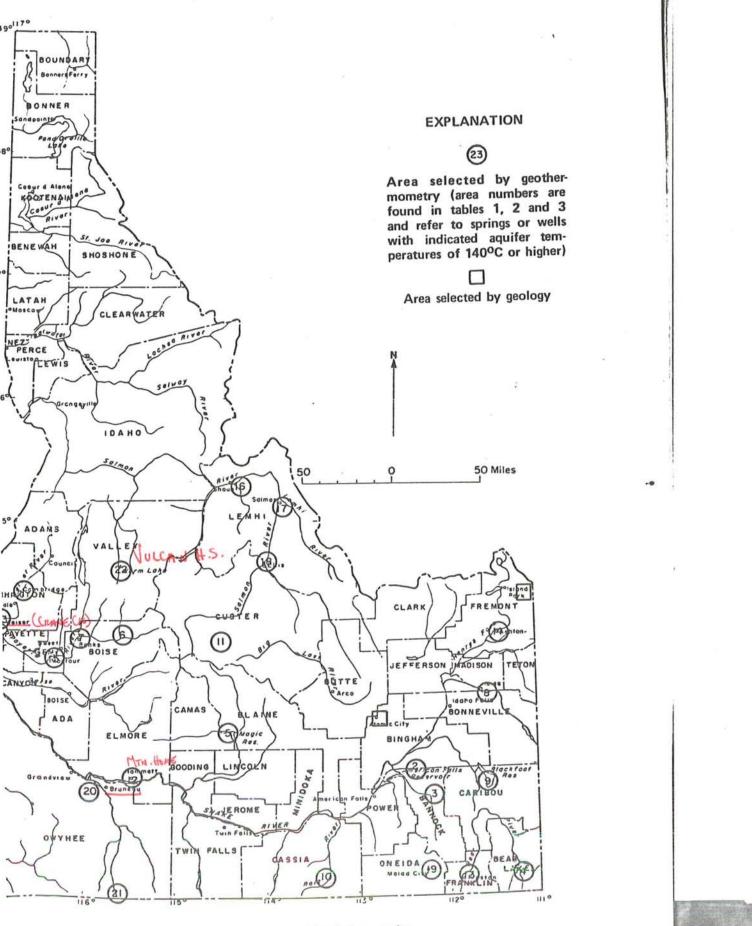


FIGURE 6. Areas selected for future study.

3 19 79 RE: Dow MABEY'S TALK AT UGA LUNCHEON GEOTHERMAL RESOURCES , N JOAHO 36 known hydrothernal convective systems > 90°C Oreater " Low To potential than any other state Low = < 150°C Langely concentrated in Bruneau Grandview area EASTERN SRP Dilling Program. (Onlited 3 holes) Purposes: 1) define SRP cold H2O aquifer systemy 2) define subsurface gestogy Messoured gradients (although holes ust in Eason) 40° (km, 60° C hom Keyburg lalder Area Hole near Sugar City cold aquifer at depth of 700° m rectories of enjoleun SRP concident w/ NE- hending pE structure " Humbolt Zone" from NW Nevada to Lanade? Margins of SRP haller than enterior manifum = attractive target when is the unknown

Suggested areas for future exploration) Replaing holdera - New dale Area 2) Stopp Springs Area young hydite domes active naque chamber? 3) Margius of Albion orths. RR-type setting & systems

Probably no Ki beneath eastern SRP Southeast margin of SRP dotted us! Escence ustrusives Posselseving of Evene, Absaroka-type volcanics beneath eastern SRP