

IN THE MATTER OF APPLICATIONS 32631,
32632, 32633, 32634, 32635, 32636, 32637,
32628, 32639, 32640, 33081, 33082, 33093,
33094, 33095, 33096, 33291, 33313, 33928,)
AND 34029 FILED FOR THE WATERS OF AN)
UNDERGROUND SOURCE IN HIDDEN)
VALLEY (NORTH) CLARK COUNTY,)
NEVADA)

R U L I N G

2563

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INTRODUCTION

Application 32631 was filed on July 1, 1977, by Herschel J. Knapp to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 9, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 133.1 acres within the SE $\frac{1}{4}$ of Section 9, T.16S., R.63E., M.D.B.&M.

Application 32632 was filed on July 1, 1977, by Beecher E. Knapp to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 3, T.16S., R.63E., M.D.B.&M. and to be used for irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 3, T.16S., R.63E., M.D.B.&M.

Application 32633 was filed on July 1, 1977, by Barbara A. Knapp to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M.

Application 32634 was filed on July 1, 1977, by William T. Cuddy to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 136.1 acres within portion of NE $\frac{1}{4}$ of Section 9 and portion of E $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M.

Application 32635 was filed on July 1, 1977, by Sabrina R. Smith to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NE $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M.

Application 32636 was filed on July 1, 1977, by Cassandra J. Smith Vincent to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NE $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M.

Application 32637 was filed on July 1, 1977, by Leslie H. Smith to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SE $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M.

Application 32638 was filed on July 1, 1977, by Suzanne Smith Stewart to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 15, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NW $\frac{1}{4}$ of Section 15, T.16S., R.63E., M.D.B.&M.

Application 32639 was filed on July 1, 1977, by Grant T. Stewart to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 189.1 acres within a portion of NW $\frac{1}{4}$ of Section 21, and a portion of W $\frac{1}{2}$ of Section 16, T.16S., R.63E., M.D.B.&M.

Application 32640 was filed on July 1, 1977, by John Lozzi to appropriate 4.0 c.f.s. of the waters of an underground source to be diverted within the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M.

Application 33081 was filed on August 8, 1977, by Raoul M. Dixon to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of NE $\frac{1}{4}$ of Section 17, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NE $\frac{1}{4}$ of Section 17, T.16S., R.63E., M.D.B.&M.

Application 33082 was filed on August 8, 1977, by Donn I. Blake to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of the SE $\frac{1}{4}$ of Section 17, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SE $\frac{1}{4}$ of Section 17, T.16S., R.63E., M.D.B.&M.

Application 33093 was filed on August 8, 1977, by Kenneth Ray Coburn to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of the NW $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NW $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M.

Application 33094 was filed on August 8, 1977, by Janine M. Wilson to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of the NW $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the NW $\frac{1}{4}$ Section 21, T.16S., R.63E., M.D.B.&M.

Application 33095 was filed on August 8, 1977, by Calin Kay Coburn to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of SW $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 16, T.16S., R.63E., M.D.B.&M.

Application 33096 was filed on August 8, 1977, by Clayton B. Duncan to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of SW $\frac{1}{4}$ of Section 9, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 9, T.16S., R.63E., M.D.B.&M.

Application 33291 was filed on August 23, 1977, by Albert Robert Bisek to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the center of SW $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 21, T.16S., R.63E., M.D.B.&M.

Application 33313 was filed on August 23, 1977, by Hisako A. Dixon to appropriate 2.7 c.f.s. of waters of an underground source to be diverted within the center of SW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 160 acres within the SW $\frac{1}{4}$ of Section 10, T.16S., R.63E., M.D.B.&M.

Application 33928 was filed on October 3, 1977, by Harold J. Baker to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 20 acres within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M.

Application 34029 was filed on October 6, 1977, by Mae L. Baker to appropriate 2.7 c.f.s. of the waters of an underground source to be diverted within the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M. and to be used for the irrigation of 20 acres within the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 4, T.16S., R.63E., M.D.B.&M.

In 1968 Water Resources-Reconnaissance Series 50 "Water-Resources Appraisal of the Lower Moapa-Lake Mead Area, Clark County, Nevada" by F. Eugene Rush was prepared cooperatively by the Department of Conservation and Natural Resources, Division of Water Resources, and U.S. Department of the Interior, Geological Survey.

In 1974 a map "Static Ground Water Levels of Nevada" by F. Eugene Rush was prepared cooperatively by the Department of Conservation and Natural Resources, Division of Water Resources and U.S. Department of the Interior, Geological survey.

The report and map are available for viewing in the State Engineer's Office.

FINDINGS OF FACT

I

The source of water to be used to reclaim lands under these applications is water from an underground source within Hidden Valley, Clark County, Nevada. 1/

II

Ground-water recharge in Hidden Valley is derived primarily from local precipitation. A small percentage of precipitation infiltrates the ground-water reservoir in Hidden Valley due to the general lack of large areas of substantial precipitation which occur largely above the altitude of 4,000 feet. 2/ The perennial yield (the maximum amount of natural discharge that can be salvaged each year over the long term by pumping without bringing about some undesired result) is estimated to be 200 acre feet per year. 3/

III

The static water level or depth to water in Hidden Valley is greater than 500 feet from land surface. 4/

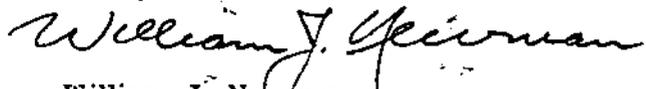
CONCLUSIONS

1. The State Engineer has jurisdiction under NRS 533.370. 5/
2. If it were possible to capture all of the perennial yield, there is still an inadequate ground-water supply for the irrigation of crops.
3. The static water level is too great to allow for an economical pumping lift for farm crops.

RULING

Applications 32631, 32632, 32633, 32634, 32635, 32636, 32637, 32638, 32639, 32640, 33081, 33082, 33093, 33094, 33095, 33096, 33291, 33313, 33928 and 34029 are hereby denied on the grounds that the granting of the applications where there is an inadequate water supply and where the pumping lift would be prohibitive would be detrimental to the public welfare.

Respectfully submitted,



William J. Newman
State Engineer

Dated this 11th day

of JUNE, 1980

FOOTNOTES

1. Public records in the office of the State Engineer.
2. Water Resource-Reconnaissance Series Report 50 pg. 23.
3. Water Resource-Reconnaissance Series Report 50 pg. 50.
4. Static Ground Water Levels of Nevada.
5. NRS 533.370.