

TO: Water Rights Section

Dec 12, 1997

FROM: Groundwater/Hydrology Section Don M. [Signature]
Reviewer's Name

SUBJECT: Application G- 14641

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Hood Basin rules, one or more of the proposed POA's ~~is~~ is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. ___ will, or _____ have the potential for substantial interference with the nearest
 - b. ___ will not _____ surface water source, namely _____; or
 - c. ___ will if properly conditioned, adequately protect the surface water from interference:
 - i. ___ The permit should contain condition #(s) 7B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. ___ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. ___ will not _____ and/or within the capacity of the resource; or
 - c. ___ will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. ___ The permit should contain condition #(s) 7F;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
4.
 - a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

14641

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files

Date 12/12/97

FROM: Dann Miller

SUBJECT: Groundwater Application G- 14641

Phone: (541) 298-8244

Name: Joseph B. Hines

Applicant(s) seek 100 gpm (cfs) from one well(s) in the

Proposed use: Aqua-Culture + Irrigation
Columbia R basin
Mosier CK sub basin
Dry CK sub basin

Pertinent 7 1/2 - minute quads Lyle

Well WRD# WASC 22/6 T 2 N R12E S 21 Q 00 ca County Wasco

Legal Description

Well is 1200' ft from Unnamed trib of Roseana CK (1) (river/stream)

Well is 2200' ft from Unnamed trib of Dry CK (2) (river/stream)

Well elevation 1580 ft River/stream elevation (1) 1590 (2) 1380 ft.

Well elevation - river/stream elevation (1) -10' (2) 200'

Well depth 115 SWL 0 on 6/30/95

Sealed to 101 Depth first water found 104

Cased to 101 Perforations/screens

Lined to Perforations/screens

Well tests and types 15 gpm / 1 hr Air test

Confined or unconfined? Confined Hydraulically connected? No, apparently

Potential to cause substantial interference? NO

Well WRD# T R S Q County

Legal Description

Well is ft from (river/stream)

Well is ft from (river/stream)

Well elevation ft River/stream elevation ft.

Well elevation - river/stream elevation

Well depth SWL on

Sealed to Depth first water found

Cased to Perforations/screens

Lined to Perforations/screens

Well tests and types

Confined or unconfined? Hydraulically connected?

Potential to cause substantial interference?

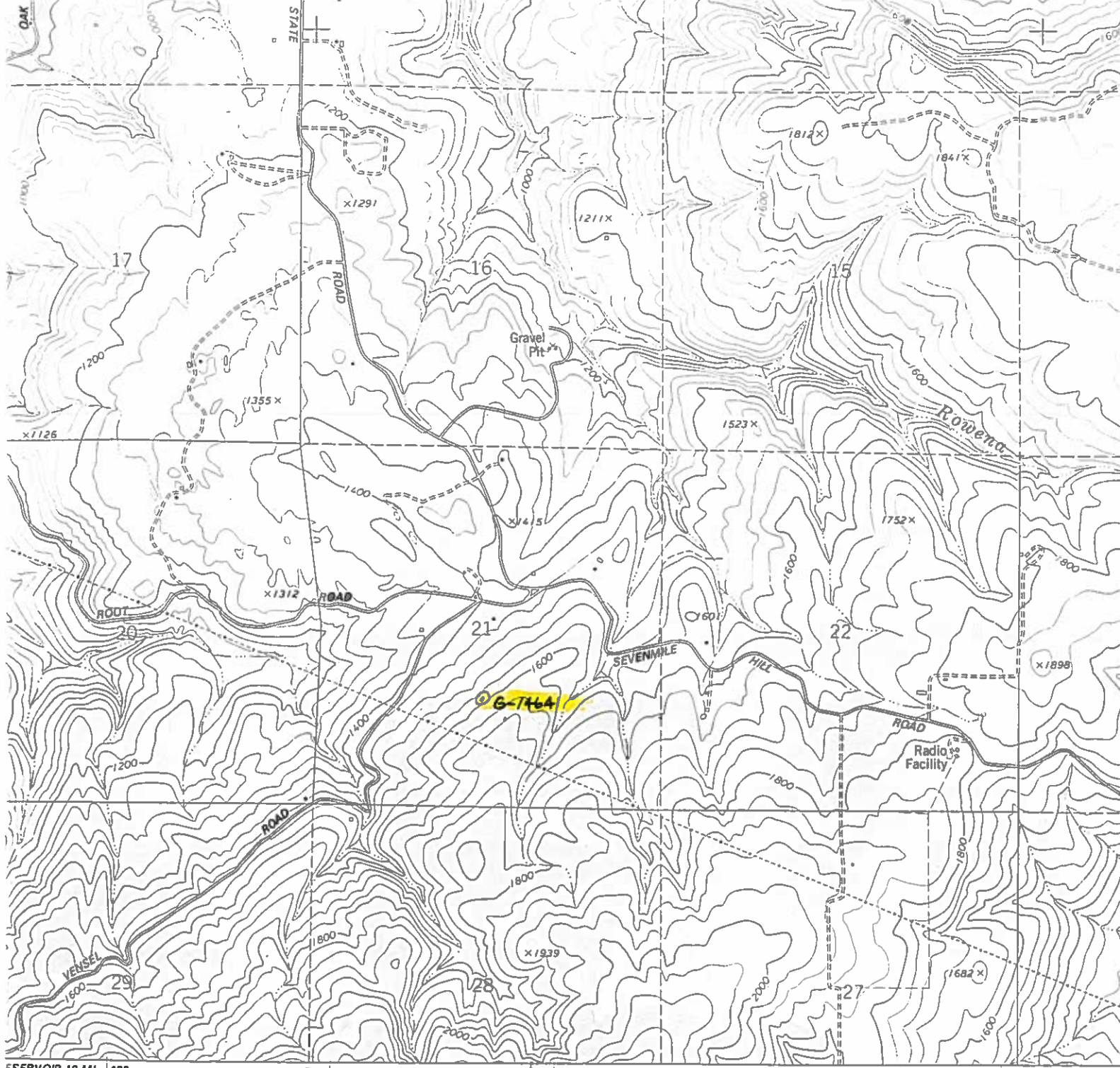
Conditioned water rights in area: NO

Other nearby water rights of record: yes

Density of nearby wells of record: Low

Comments: Spoke to Ken Lite, author of OWRD gw report #33. Well develops the top of the Frenchman Springs member. The overlying Priest Rapids is separated from the FS. by a fairly thick sedimentary interval. Ken thinks that this well is isolated from other gw users. He suggested the use of the interference condition for this well/WR.

References used: OWRD GW Rpt #33, USGS WRI Rpt 81-1108

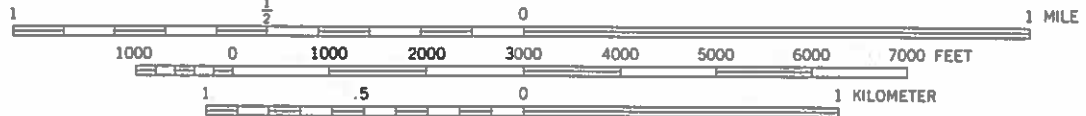
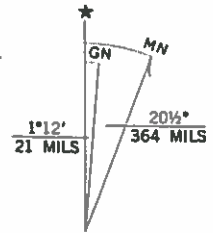


RESERVOIR 10 MI. | 29 20° 30' | 31 (BROWN CREEK) | 32 | 33 17° 30'

Survey

SCALE 1:24 000

157(1973)



CONTOUR INTERVAL 40 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS BONNEVILLE NORMAL POOL ELEVATION 72 FEET

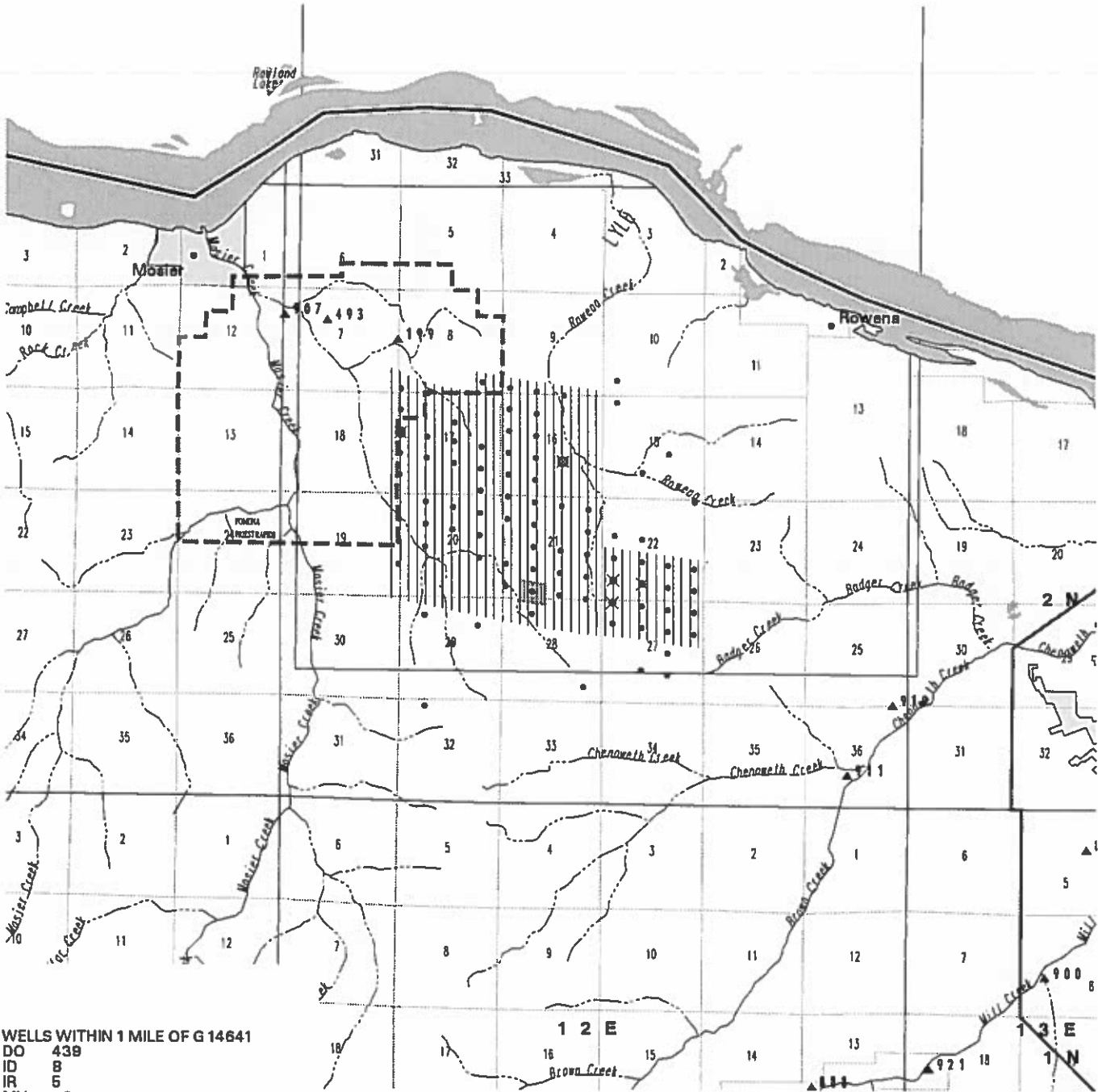
UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

here checked

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Wells in the vicinity of application G 14641

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ⊗ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- △ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 14641

DO	439
ID	8
IR	6
MU	2

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14641

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G 13570	G 12411	2.00N12.00E17NWNW	IR	0.2200	C
1	G 13570	G 12411	2.00N12.00E17NWNW	IR	0.4700	C
2	G 13122	G 12175	2.00N12.00E16NWNE	DO	0.0900	C
2	G 13122	G 12688	2.00N12.00E16NWNE	DO	0.0900	C
3	G 10483	G 9776	2.00N12.00E22SWNW	IR	0.2000	C
4	G 10483	G 9776	2.00N12.00E22SESW	IR	0.3000	C
5	G 6683	G 6235	2.00N12.00E22NWSW	IR	0.1900	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 14641

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G 13570	G 12411	2.00N12.00E17NWNW	7BG
1	G 13570	G 12411	2.00N12.00E17NWNW	7BR
1	G 13570	G 12411	2.00N12.00E17NWNW	7DG
1	G 13570	G 12411	2.00N12.00E17NWNW	7DR
1	G 13570	G 12411	2.00N12.00E17NWNW	7BG
1	G 13570	G 12411	2.00N12.00E17NWNW	7BR
1	G 13570	G 12411	2.00N12.00E17NWNW	7DG
1	G 13570	G 12411	2.00N12.00E17NWNW	7DR
2	G 13122	G 12175	2.00N12.00E16NWNE	7AG
2	G 13122	G 12175	2.00N12.00E16NWNE	7AR
2	G 13122	G 12175	2.00N12.00E16NWNE	7BG
2	G 13122	G 12175	2.00N12.00E16NWNE	7BR
2	G 13122	G 12688	2.00N12.00E16NWNE	

APPLICATION G 14641 FALLS WITHIN THESE QUAD(S)

LYLE

The following OWRD Groundwater Management Areas are within the map extent:

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	POMONA	PRIEST RAPIDS		WITH
2	THE DALLES			CRIT
