

Phone Msg Log

8/15/01 335-2152 Hans Hayden -

I called to explain that my letter abt
competing claim on 29-478 was in
error - actually ~~it was~~ the other
claim was 29-475, I visited
w/ Mrs. Hayden

Bac

MEMORANDUM

To: Mid Crystal / Hayden files
Fr: Bryce Connor
Date: 8/15/01

Re: Combined Q limitation

1) Allowable cfs

- a) 29-10893 and 29-2144. See memo in paper file 29-10893. 2.36 cfs on 118 acres, accomplished transfer to lands in S8 SE 1/4. (This includes Section 3 land.)
- b) 29-480, 29-2509, 29-7272, ~~29-10893~~, 29-13215.

These rights cover historical irrigation of lands in SW 1/4 of 8. Overlaps were never addressed in license so I assert accomplished transfers to recommended 101 acres. Original distribution system was flawed so I calculate 101 acres @ 0.03 cfs/acre = 3.03 cfs

~~c) Total PPR (including 5 acre share)
is 228 acres $228 \times 0.02 = 4.56$ cfs
These rights~~

c) Total allowable

$$2.36 + 3.03 = 5.39$$

d) Total reg @ current practice

$$228 \times 0.02 = 4.56$$

2) Sum of face-value diversion rates

29-480 0.60

29-2144 0.98

29-7272 0.62

29-2509 0.93

29-10893 1.38

29-13215 0.60 (^{0.80}~~1.24~~ claimed but
overlap/competing
claim issues may
limit recommendation)

Sum

5.11

(5.75)

3) Conclusion:

At this point do not limit diversion rate. If 29-13215 recommendation requires, add limitation to all rights later.

BAC 8/15/01

MEMORANDUM

To: Mid Crystal Farms / Hayden files
Fr: Bryce Connor
Date: 8/15/01
Re: Place of use

After conferring with Keith Wilson and reviewing the FSA map he is reviewing for license 29-7948 and 29-7949, I have adjusted POA to 223 acres and the combined limit to 228 acres.

BAC

Questions for Hans Hayden 8/3/01

- ✓ 1) Review "Historical" and "Current"
Layouts attached, edit as necessary
- ✓ 2) Indicate dates of accomplished xfer
+ / or increase in acres to current status
 - a) pre-1971 - additional Ben use claim
 - b) pre-1987 - enlargement claim
 - c) post-1987 - permit 89-7948take affidavit from Hans.
- ✓ 3) Double-check pump capacities / nozzle counts
for ditch pumps. Small - 4 lines $3/16"$
Large - 6 lines $3/16"$
- ✓ 4) Return extra copies of blue book
- ✓ 5) Does Russell Hayden own Survey 18? Y
Ben use claim? N

MEMORANDUM

To: Ben Hayden/ Russ Hayden/ Mid Canyon
Fr: Bryce Connor
Date: 8/2/2001

Re: Diversion rate review

~~Secured~~

- 1) Licensed/Pool $\Sigma \approx 92 + 62 = 154$ acres w/
apparent overlaps considered.

$$154 \times 0.02 = 3.08 \text{ cfs}$$

$$154 \times 0.03 = 4.62 \text{ cfs}$$

- 2) Licensed & Secured cfs $\Sigma =$

29-480 0.60 Rattlesnake Creek

29-2144 0.98 Clifton Creek

29-2564 2.20 GW

29-7272 0.62 GW

29-7110 0.10 GW

$\Sigma = 4.50 \text{ cfs}$

$\Sigma(\text{SW only}) = 1.58 \text{ cfs}$

- 3) Apparent capacity of current diversion works/
flow of Clifton Creek (see 7/27/01 memo
in 29-10893) is $\approx 3.12 - 4.0 \text{ cfs}$.

4) $\frac{3.12}{.02} \approx 156 \text{ acres}$ $\frac{4.0}{0.02} \approx 200 \text{ acres}$

$\frac{3.12}{.03} \approx 104 \text{ acres}$ $\frac{4.0}{0.03} \approx 167 \text{ acres}$

Diversion Rate Memo p2 8/2/2001

- 5) Acreage-based calculations in (1) above referred to all WR. Secured/Licensed SW rights are as follows.

29-480 Patterson 0.60 gfs unspec. acres, but up to $\approx 60-70$ acres.
Diversion rate approx ≈ 30 acres

29-2564
29-2144 Dillon (storage) 0.98 gfs

Σ SW 1.58 gfs

- 6) 1914 examiner estimated about 3 gfs - consistent w/ # (3) above.

- 7) Depending on interview w/ Hans Hayden tomorrow, recommend Ben use right for up to 0.03 gfs/acre on "historical" acres, not to exceed capacity of Dillon creek, which appears to be $\approx 3.0-4.0$ gfs.

- 8) Note Pump Tech will send pump curves. However it appears pumps are typically operated at $<$ full RPM. Steve Mueller/Keith Wilson discharge meter + Cipolletti weir.

Diversion Memo p 3 8/2/2011

is likely most reliable indication of Clifton Creek Capacity. Total cfs should not exceed Clifton Creek Capacity + Rattlesnake Creek desired right 0.60 cfs.

MEMORANDUM

To: Ben Hayden / Russ Hayden / Mid Crystal
Fr: Bryce Connor
Date: 8/2/2001

Re: POU review - pre-AS license & decrees.
~~Opportunity to lower price~~

- 1) Attached GIS is from review of Hans Hayden maps from 7/26/2001 field work & interview.
Current irrigation $\approx$ 274 acres.
- 2) WR database computer record does not list POU
- 3) Original decree ²⁹⁻⁴⁸⁰ describes E $\frac{1}{2}$ SW $\frac{1}{4}$ 8, 95 34 E
 $\approx$ 80 acres. However 0.60 of 80 points to 30 acres?
- 4) License 29-2564 describes same in section 8,
57 acres in section 8, in license exam / license.
62 total
- 5) License 29-7272 92 acres in section 8.
- 6) License 29-2144 - 49 acres in various
00 sections. GIS attempt to construct
ditch & irrigable lands fr. exam. notes.
Ditch constructed per exam. sketch &
USGS topo. All seem plausible except

Pou p2 8/2/01

perhaps pou in Section 10; contours indicate fairly steep location. Note that claimant challenged examiner's findings; says he later also deeded.

7) Affidavits for claim 29-10893 appear to describe the following pou:

Ref #2 Ben Hayden $\begin{matrix} SE \\ SW \end{matrix}$ 8 "mostly" 1926

Ref #4 Ben Hayden $W\frac{1}{2}$ NW 9 1927

SE NE 9 early, 1930's

Ref #5 Russell Hayden $\begin{matrix} E \\ SW \end{matrix}$ 8 } before WWII
 $W\frac{1}{2}$ NW 9 }
SE NE 9 }

#9 Ben Hayden $E\frac{1}{2}$ SW NW SW 8 (no date affirmed)
(60 acres) (between dates)

(See blue book prepared by claimant)

~~Note that Ref #2 states "swsw" but~~

8) Taking the liberal assumption that the Ben use claim does not describe an accomplished & fee of 29-2144 makes acreage additive. This makes:

Original lower Pou 92 acres

Ben use Pou 105 acres

29-2144 (less 5 acres above) 57 acres

Total 254 acres

Pou p3 8/2/01

- 9) Taking the conservative assumption that claimant Hans Hayden's statement to me that license exam 29-2144 was an error, that his father Ben said it had not been irrigated that way, leads to the conclusion that part of Ben use claim 29-10893 is an accomplished transfer of 29-2144. Then the total "historical" acres are:

Original deeded license	92
29-2144	57
Ben use "additional" acres (105 - 57 = 48)	48
Total	197 acres

- 10) The latter interpretation seems more likely. Discuss situation again w/ Mr. Hayden tomorrow, and look at 1987 & 2001 FSA photos, before making final decision. Also consider implications of diversion rate.

BAC 8/2/2001

Field Agenda 2/26/01 - Mid Crystal Farms - BSC

- 1) GPS - 3 wells
3 locations, pump from creek
- 2) Nameplate engine/pump - pump for creek
(see 29-7948 pump)
- 3) Look at - Myler Claimed site
WReusd-d-site
- 4) Claim A29-7335 - see layout - Claimed as
Hearst
- 5) 29-0481 - need to file claim - Rattlesnake

Field Notes - Mid Crystal - 7/24/01

B. Cortor acc. by Hans Hayden

#1) Meadows - Lower pump site to creek
photo #1

GPS Waypoint 001

0622117

0173515

#2) Photo #2 - pump

Pacific - 30125 04/620

LHA

DIN ~~for~~ P09761

Perkins 4 cyl diesel - 85 hp - no tag

#3) Meadows well - no photo

GPS Waypoint 002

0622452

0173048

#4) Upper well & pool - photo #3, #4

West GPS Waypoint 3 0625989

0174794

Mid Crystal field notes, p 2

↑ N

x well

pound

#5) Spring @ Pond
Waypoint #4

625944

174831

photo #5 = surface pool

photo #6 = groove in which spring is located

#6) Diversion @ Creek above pond
Waypoint #5

626238

174838

Per Mr. Hayden this was used 3 yrs
ago - I asked twice

Mid Crystal field #3

#7) - Pond - see map photo #7 -
No permit - Wiersted property

see memo to
Harold J. [unclear]
7/27/60

#8) - Wiersted License-Pond - no apparent
irrigation - Mr. Hayden has never seen
it irrigated - no claim as yet -

#9) Mylar claim -

Mr. Hayden believes has not been watered
since 1935-1940 when road was built.

Mr. Hayden has never seen it used.

Mr. Hayden's father remembered it
used when he was a youngster -

#10) Clifton Creek diversion below house

Wapiat #6

623344

172723

(1000 gpm
in spring)

photo #8, #9

Old Channel.
new channel
Except in flood all
water flows past pump site

Mid Crystal Field p 4

#11) Well - 29-7949-

GPS Waypoint 7 623308
172917

#12) Second pump in shop

PACO 4012

11-40127-058201

Serial 01B00403

Engine - Isuzu 100hp -

#13) Mr Hayden will come there on Friday -

- a) Ownership
- b) POA of Russell Hayden
- c) Claim 29-481
- d) Transfer application -

#14) Follow-up to upper POA w/ Mr. Hayden

a) Photo #10 shows very little use of ditch on uphill side of POA - I walked entire length. This is only indication I found

b) GPS Waypoint #11 625618
extreme downhill limit of 174398
possible POA