RECEIVED
MAY 17 2004
Department of Water Resources

MEMO

TO: Candice McHugh
FROM: Harold W Jones
dba Water Rights Contracting Services
RE: Claim A29-00285H

A re-exam was done on May 11, 2004 with the claimant M.D. Morrison to determine the viability of the irrigation system to bring surface water from Inman Creek (tributary to Rapid Creek) to a place of use in the NESE Sec. 15 T7S, R36E. This was requested by Ernest Carlsen of IDWR's Eastern Region.

It appears an application for transfer to change the point of diversion and source from Rapid Creek to Inman Creek was started in 1990 with the help of staff at Eastern Region. For some reason this transfer was never completed. The applicant-claimant, Mr. Morrison, tells me he had been using the system as proposed in the transfer for some years prior to 1990. He initiated the transfer on the advice of his brother, who Mr. Morrison states, was acting as water master of Rapid Creek at the time.

Claimant Morrison states that he started using the Inman Creek source in 1977 when he purchased the claimed place of use from the estate of Elna Highnote.

Photo #1 shows the splitter ditch at the point of diversion which takes Inman Creek water to a headgate approximately 100' down the ditch. Photo #2 shows that headgate. At that point a portion of the water in the ditch is taken for irrigation uses (Photo #3) and the rest returned to Inman Creek.

The initial point of diversion at the splitter ditch was located with a GPS unit. The coordinates are; 2646438 GPS file# 29285H
1292550 USR

A GPS tag #A0012284 was affixed to an adjacent tree.

Photo #4 shows the ditch line running along the ridge to a buried collection box and buried mainline which feeds the lines below. Photos #4 and #5 show sprinkler lines on the Chandler property which get water from this system. Photos #4,5 and 6 show other feeder lines in the lower part of the photos that bring water to other users.

Photo #7 shows the split where claimant Morrison has his 2 inch plastic pipe taking his portion of the Inman Creek water.

Photo #8 shows the run of plastic 2 inch pipe up from the splitter to the main road. This does indeed run uphill!

Photo #9 shows the continuation of the 2 inch pipe uphill on the west side of Rapid Creek Road to the claimant property.

Photo #10 shows a hose hooked to the 2 inch plastic pipe on claimants property which was attached to a sprinkler irrigating the lawn around the claimants house.

Photo #11 shows the active sprinkler on claimants property providing water from Inman Creek.

Finally, photo #12 shows the farm field intended for irrigation with Inman Creek water claimed by Mr. Morrison. At the time of my on-site the hand line sprinkler was not yet set up.

I have included a USGS map of the area including the point of diversion and place of use. The point of diversion on Inman Creek is at elevation 4840 feet above sea level. The place of use on the Morrison property is at elevation 4760 feet above sea level. This provides for a pressure head of 80 feet from point of diversion to place of use.

The standard values are 1 psi gain for each 2.3 feet of head. Disregarding friction losses due to pipeline size restrictions, the potential pressure at the claimants place of use is;

80 feet of head / 2.3 feet/1 psi = 34.8 psi. The system in place however with a 2 inch plastic pipeline does not seem adequate to deliver 0.20 cfs or 89 gpm as claimed but that is a separate issue. Also the plastic pipe system does pass through several pasture areas with stock adjacent. It appears that part of this system would not have been in place during the March visit by the previous examiner due to winter storage of this system to avoid damage.

This system does have the capability to deliver Inman Creek water to the intended place of use for irrigation purposes.

Ditch
Buried collection Box
steel-plastic main line

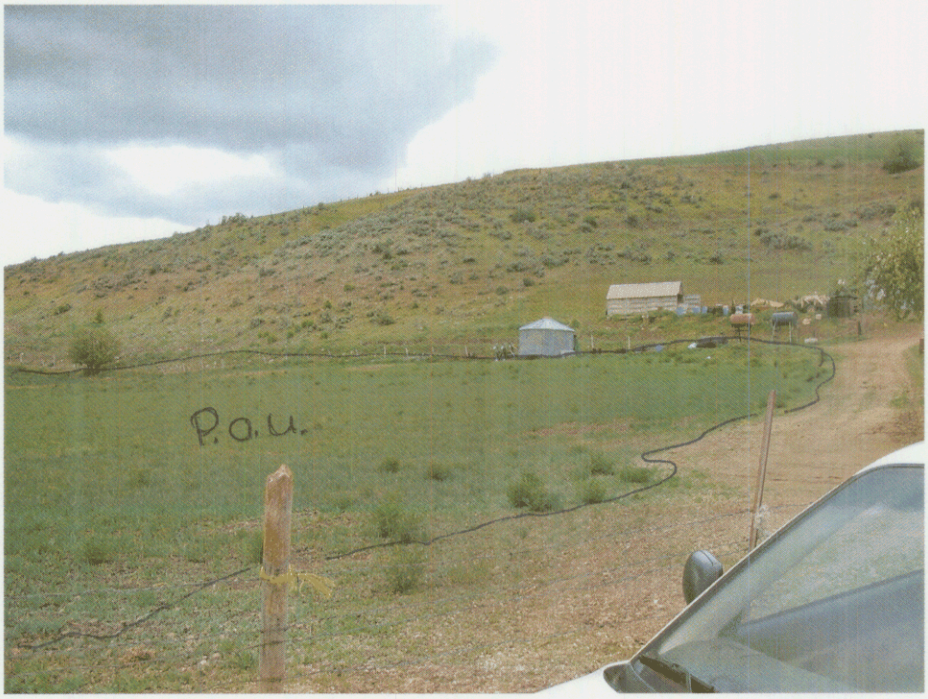
active Sprinklers
Feeder lines

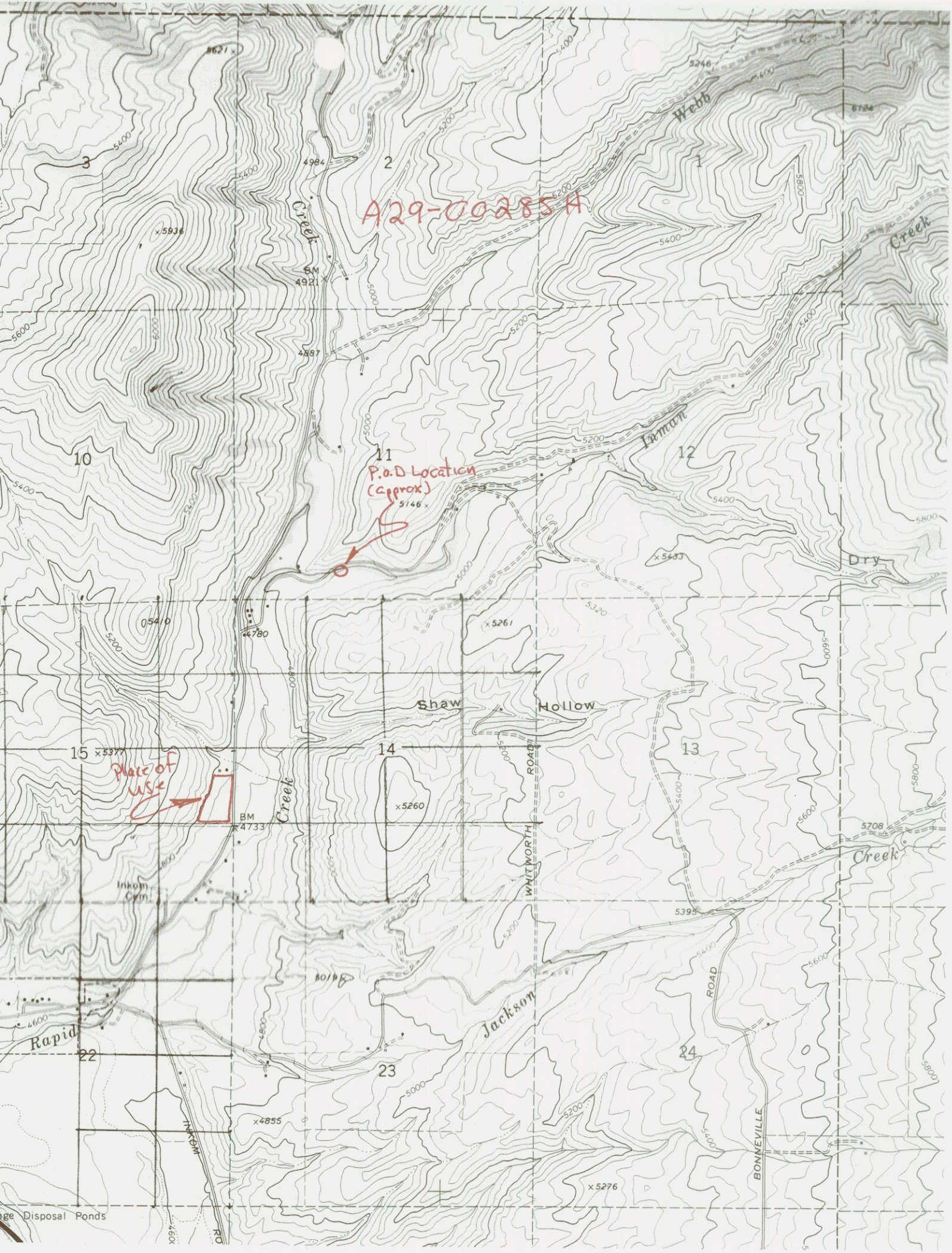
2" plastic pipe splitter location

Flow to Place of use

Flow

Sprinkler


P.O.U.


A29-00285-A
P.O.D Location (approx)
Place of Use
Webb Creek
Inman Creek
Dry Creek
Shaw Hollow
Whitworth Road
Jackson Creek
Rapid
Bonneville Road
Inkom Cem.
BM 4921
BM 4733
4984
4887
5146
5261
5320
5260
5395
5708
4855
5276
5483
5377
5410
4780
Disposal Ponds