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Western Mortgage Pending transfers

Date: 9/24/09

From: Allen Mervitt

Object is to move approx. 69 acres from Mainline farm to Keco farm and approx. 350 acres from Storm Circle farm to Keco farm.

Review of water rights finds that @ Mainline farm right 36-10515 with 5/1/1960 priority has sufficient acres to move. Review of Storm Circle farm finds that right 36-16576 with 2/20/1990 priority has ~~the~~ sufficient capacity to move. (Note that 36-16576 overlaps with 36-16570 & 36-16573 but after discussion with S.O., it was decided that portion could be moved if PPU reduce for remaining.)

The well fields for each farm consists of numerous wells. In discussing this matter with Allen Wyllie it was decided that a Mean Center of the well field could be used in the transfer spreadsheet for analysis.

Mean Center for Keco = Row 69 Column 65

Mean Center for Mainline = Row 82 Column 75

Mean Center for Rt 36-16576 = Row 70 Column 57

The trimester vol to be pumped @ Keco = 559 af beginning 2010.

The trimester volume from Mainline = 92 af beginning in 1960 and ending after 2009.

The trimester volume from Storm Circle = 467 af beginning in 1990 and ending after 2009.

The data was input into Etransfer_V3.1 spreadsheet.

To well = Keco = R69C65

From Well 1 = Mainline = R82C75

From Well 2 = Storm Circle = R70C57

Results:

Above Milner	Total affects without	Total affects with	% change
Ashton to Rexburg	6.8	7.1	4%
Heise to Shelley	7.8	8.2	5%
Shelley to Blackfoot	58.1	61.2	5%
Blackfoot to Neeley	204.1	213.5	5%
Neeley to Minidoka	73.0	59.4	-19%
Devil Washbowl to Buhl	109.6	109.1	-1/2%
Buhl + Ksper	41.5	42.0	1%
Ksper	26.3	26.6	1%
Ksper M2L2	2.9	2.9	0%
M2L2 ~~Blackfoot~~	24.7	25.2	2%
M2L2 Bencroft	0.9	1.0	11% but < 22%