Mike Aardema

400"

Target Well	Year	KWHr	AF
11S 21E 14 SENENE	2008	1,091,520	845
A0005219	2007	1,107,600	858
	2006	928,560	719
	2005	1,059,840	864
	2004	589,200	481
	2003	513,000	418
	2002	673,080	549
	avg.	1,046,880	822

	GPM	Inches
Highest GPM	1557	173

Target Well	Year	KWHr	AF
11S 21E 23 NENESW	2008	405,160	300
A0005263	2007	167,600	124
	2006	393,120	291
	2005	152,760	119
	2004	235,680	184
	2003	197,160	154
	2002	163,520	127
	avg.	279,660	209

	GPM	Inches
Highest GPM	1355	151

Comment: Averaged from 2005-2008 when Mike bought the farm.
Past practice is to supplement this well with water from other wells to keep the pivot operating.
No increase of KWHr on other wells on the farm is allowable.
May change from A0005219 to A000517 a difference of 25 hp more. Check in spring.

Plan: Remove the above wells from production. Each well waters 2-130 acre pivots; 400" total.

Recharge: Well located at N 2502366, E 1251929, is great for recharge. Mainline is within 50 feet.

	hp
A0005263	400
A0005219	400
A0005217	425

Alliance Land & Livestock

100"

1st Target Well	Year	KWHr	AF
11S 22E 36 NENWSE	2008	37,000	38
A0005277	2007	95,600	97
	2006	39,520	40
	2005	53,720	55
	2004	241,560	210
	2003	254,040	221
	2002	83,040	60
	avg.	114,926	103

	GPM	Inches
Highest GPM	1188	132

Comment: No increase of KWHr on other wells on the farm is allowable.

Plan: Remove the 1st well from production.

Recharge:

260 hp (from 2008 IPCO records)

Wayne Anderson

200"

Target Well	Year	KWHr	AF
11S 21E 26 NWSESE	2008	468,960	310
A0005265	2007	4,240	0
	2006	105,360	54
	2005	139,160	71
	2004	1,520	0
	2003	105,240	53
	2002	223,120	113
	2001	253,600	129
	avg.	162,650	91

Target Well	Year	KWHr	AF
11S 21E 25 NWNESE	2008	714,720	506
A0005260	2007	690,080	462
	2006	441,200	315
	2005	7,360	5
	2004	692,880	480
	2003	753,600	535
	2002	759,840	464
	2001	552,080	337
	avg.	576,470	388

11S 21E 26 SESE

	GPM	Inches	KW
Highest GPM with booster	1,165	129	240
Highest GPM without booster	915	102	187

11S 21E 25 NWNESE

GPM	Inches	KW
1,775	197	309
1,217	135	243

Target Well	Year	KWHr	AF
11S 21E 25 NENENE	2008	137,320	124
	2007	133,640	132
	2006	75,640	75
	2005	116,520	115
	2004	42,240	40
	2003	83,440	78
	2002	85,120	80
	2001	85,640	74
	avg.	94,945	90

11S 21E 25 NENENE

GPM	Inches
301	33

Comment: Total reduction is approximately 152" averaging 569 AF.
Any months with the higher KW on the wells will not be given credit.
No increase of KWHr on other wells on the farm is allowable.

Plan: Take boosters from 11S 21E 26 SESE and 11S 21E 25 SENE out of service.
Take well 11S 21E 25 NENENE out of service.

Recharge: Abandoned well near white house north of shop.
Abandoned well near pumping well 11S 21E 26 SESE.

	hp		
A0005259	75		
A0005260	100	booster	300 main
A0005265	60	booster	250 main

Beck Farms 250"

1st Target Well	Year	KWHr	AF
12S 21E 10 SENW	2008	647,640	569
A0005114	2007	681,360	599
	2006	617,640	608
	2005	539,040	531
	2004	494,040	487
	2003	652,920	534
	2002	545,760	548
	avg.	596,914	554

	GPM	Inches
Highest GPM	1140	127

2nd Target Well	Year	KWHr	AF
12S 21E 09 SWSWNW	2008	378,480	224
A0006944	2007	220,560	119
	2006	191,440	126
	2005	286,080	188
	2004	229,690	150
	2003	364,640	242
	2002	474,240	314
	avg.	306,447	195

	GPM	Inches
Highest GPM	796	88

3rd Target Well	Year	KWHr	AF
12S 21E 8 SWSWSW	2008	647,640	569
A0006941	2007	681,360	599
	2006	617,640	608
	2005	539,040	531
	2004	494,040	487
	2003	652,920	534
	2002	545,760	548
	avg.	596,914	554

	Highest GPM	Inches
Booster on	2175	242
Booster off	1451	161
Difference	724	80

Comment: 1st and 2nd well off equals 215". Both wells plus the booster off on 3rd well equals 295".
No increase of KWHr on other wells on the farm is allowable.

Plan: Remove the 1st and 2nd wells from production and remove the booster from the 3rd well if necessary.

Recharge: Well located at 12S 21E 0920, is great for recharge.

	hp		
A0005114	300		
A0006944	350		
A0006941	125	500 main	(subtracted main hp from that listed on IPCO records 2008)

Cranney Farms/Cranney Ranch/Baker

500"

1st Target Well	Year	KWHr	AF
12S 21E 15 NWNE	2008	140,160	139
A0005112	2007	104,480	104
	2006	0	0
	2005	62,720	49
	2004	127,920	127
	2003	612,000	442
	2002	643,040	464
	avg.	241,474	189

	GPM	Inches	
Highest GPM	1282	142	7/11/2001
Since 2004	1161	129	5/18/2004

2nd Target Well	Year	KWHr	AF
12S 21E 14 NWSWSW	2008	324,240	305
A0005115	2007	380,520	358
	2006	438,480	358
	2005	464,280	368
	2004	338,640	262
	2003	594,960	293
	2002	627,000	348
	avg.	452,589	327

	GPM	Inches	
Highest GPM	1225	136	8/8/2007

3rd Target Well	Year	KWHr	AF
12S 21E 24 SWSWSW	2008	754,080	853
A0006859	2007	1,045,440	1,182
	2006	658,080	744
	2005	912,120	778
	2004	1,143,840	975
	2003	1,376,400	1,204
	2002	1,587,000	1,452
	avg.	1,068,137	1,027

	GPM	Inches	
Highest GPM	1982	220	8/3/2006

4th Target Well	Year	KWHr	AF
	2008	BOOSTER ONLY	
	2007	850 S 1235 W	
	2006	No Meas. on Boostser only.	
	2005		
	2004		
	2003		
	2002		
	avg.		

Comment: No increase of KWHr on other wells on the farm is allowable.
Re-measure target wells in 2010 to ensure pump discharge and alter plan accordingly.

Plan: Turn off target wells 1,2 &3 completely. Check difference on booster to reduce total inches.

		Latitude	Longitude
Recharge:	Wayne Anderson Well	42.434597	-113.956039
	Beck Well	42.389583	-113.991347
	Cranney OI-11 Well	42.384869	-114.000453
	Cranney OI-10 Well	42.373925	-114.000642
	Cranney OI-7 Well	42.384622	-113.981253
	Cranney OI-5 Well	42.381083	-113.976117
	Adams Well	42.373919	-113.931053

Hepworth Family Landholdings, LLC **100"**

Target Well	Year	KWHr	AF (using lowest PCC of 773)
12S 21E 12 SWNW	2008	208,000	269
A0005135	2007	200,560	259
	2006	134,680	174
	2005	179,160	232
	2004	59,320	77
	2003	197,480	255
	2002	259,240	335
	2001	369,320	478
	avg.	200,970	260

	GPM	Inches
Highest GPM	545	61

Comment: Past practice is to supplement this well with water from other wells to keep the pivot operating. No increase of KWHr on other wells on the farm is allowable.

Plan: Turn off well 12S 21E 12 SWNW. Well averages AF for 1-130 acre pivot. That is equivalent to 100" but pumped at a lower volume for a longer time.

Recharge: Abandoned well near white house north of shop.
Abandoned well near pumping well 11S 21E 26 SESE.

200hp

Patterson Farms/Beukers Farms **400"**

1st Target Well	Year	KWHr	AF
12S 21E 22 NESE	2008	936,080	699
A0006870	2007	796,640	595
	2006	771,280	629
	2005	986,640	805
	2004	1,077,440	879
	2003	850,080	694
	2002	526,720	347
	avg.	849,269	664

	GPM	Inches
Highest GPM	1429	159

2nd Target Well	Year	KWHr	AF
12S 21E 31 SE	2008	286,920	494
A0006887	2007	88,360	152
	2006	267,520	
	2005	290,040	500
	2004	56,320	97
	2003	610,220	1,052
	2002	0	
	avg.	228,483	459

	GPM	Inches
Highest GPM	1923	214

Comment: Total off planned is 372" out of 400".
No increase of KWHr on other wells on the farm is allowable.

Plan: Remove the 1st and 2nd wells from production.

Recharge: Recharge wells A0006879 and A0006885.

Pickett Ranch and Sheep Company **100"**

Target Well	Year	KWHr	AF
12S 21E 04 NWSESE	2008	499,638	363
WMIS #900123	2007	436,640	317
	2006	468,920	348
	2005	335,560	249
	2004	428,440	318
	2003	378,600	281
	2002	404,360	300
	2001	527,440	393
		434,950	321

Target 217,475 KWHr

		GPM	Inches
Highest gpm	2002-2008	610	68
	2001-2002	842	94

Comments: This well operates 2 pivots at 850 gpm each. Past practices has been to alternate crop because the well can run only 1 pivot at a time.
Plan is to place all 100" here and drop the total KWHr by the appropriate amount.

Plan: Total KWHr per year should be 1/2 of annual average use. Half average annual pumping is 217,475 KWHr.

275 hp

Skyline Dairy

250"

1st Target Well	Year	KWHr	AF
12S 21E 12 SESESW	2008	708,000	563
A0005134	2007	581,200	501
Well #7	2006	493,280	425
	2005	264,880	228
	2004	425,520	367
	2003	625,200	557
	2002	609,440	543
	avg.	529,646	455

	GPM	Inches
Highest GPM	1214	135

2nd Target Well	Year	KWHr	AF
12S 21E 24 SWSWSW	This is a new well drilled in 2009 replacing		
A0006859	an abandoned well.		
Well #11	Well will be valved back 100 inches.		
	Variable speed to make up the remaining 100 inches.		
	Well will be equipped with a meter.		

	GPM	Inches
Highest GPM	1982	220

Comment: No increase of KWHr on other wells on the farm is allowable.
Well will be metered with total AF of entire farm equalling approximately 500 AF less than previous years.

Plan: Remove the 1st well from production.

Recharge:

200 hp 100hp relift

Wybenga Dairy

200"

1st Target Well	Year	KWHr	AF
12S 21E 27 NESENE	2008	1,386,120	880
A0006871	2007	919,440	620
	2006	379,800	256
	2005	644,880	435
	2004	519,120	355
	2003	688,560	470
	2002	639,000	436
	avg.	739,560	493

	GPM	Inches
Highest GPM	1673	186

Comment: No increase of KWHr on other wells on the farm is allowable.

Plan: Remove the above well from production.

Recharge:

400 hp