

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

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STATE ENGINEER



PAHRANAGAT VALLEY
HYDROGRAPHIC BASIN 13-209

GROUNDWATER PUMPAGE INVENTORY

WATER YEAR 2020

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ABSTRACT

This inventory represents the status and usage of all permitted, certificated, claims of vested right groundwater rights, and exempt domestic wells located within Pahrnagat Valley, Hydrographic Basin 13-209, for water year 2020 (October 1, 2019 through September 30, 2020). Also included are tables, graphs and data associated with this use.

The data presented are valid for the period of this report, and may vary from previously published figures as water rights within the basin are subject to administrative action, such as certification, cancellation, forfeiture, or withdrawal on a continual basis.

For water year 2020, the committed water resource totaled 10,985 acre-feet, with estimated pumpage of approximately **4,374 acre-feet**. This figure includes an estimated 125 acre-feet pumped from exempt domestic wells.

Irrigation is the largest manner of use within the basin. For water year 2020, pumpage for irrigation totaled 3,883 acre-feet, with appropriations of 7,448 acre-feet. The second largest manner of use was municipal, with pumpage totaling 292 acre-feet, and appropriations of 1,089 acre-feet.

HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	209, REGION 13
HYDROGRAPHIC BASIN NAME	PAHRANAGAT VALLEY
COUNTIES	LINCOLN
MAJOR COMMUNITIES	HIKO, ALAMO
DESIGNATED	YES
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION
GROUNDWATER LEVEL MEASUREMENTS	NDWR
PUMPAGE INVENTORY, ACRE-FEET IN 2020	4,374 ¹

STATE ENGINEER’S ORDERS

[NO. 1199 – DESIGNATION](#)

DATE: APRIL 20, 2009

COMMITTED GROUNDWATER RESOURCE ² : 10,985 ACRE-FEET		DATE: OCTOBER 2020
COMMERCIAL 39	DOMESTIC 250	IRRIGATION 7,448
MUNICIPAL 1,089	QUASI-MUNICIPAL 2	STOCKWATER 65
WILDLIFE 2,092		

¹ Includes pumpage by exempt domestic wells, as defined by NRS 534.013.

² Committed groundwater resource data are accurate for October 2020. Manner of use category totals vary over time, as rights are not necessarily static. Rights may be subject to change applications, certification, withdrawals, forfeiture and cancellations; each of these circumstances could affect the duty, diversion rate and acreage associated with a given right. The value associated with each manner of use category does not include those portions that have been relinquished in support of domestic wells. A query of the NDWR Well Log Database indicates that 125 domestic wells existed in the basin during water year 2020. This query is assumed to represent both appropriations and exempt domestic wells. The committed domestic water resource is considered to be 2 acre-feet per domestic well, or 250 acre-feet annually.

PURPOSE AND SCOPE

The purpose of this report is to inventory all of the groundwater resources allocated and described by the Office of the State Engineer, Nevada Division of Water Resources (NDWR), and to estimate the amount of groundwater pumped within the Pahrnagat Valley for water year 2020. This report estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, claims of vested right, as well as the amount pumped by exempt domestic wells within the basin.

DESCRIPTION OF THE STUDY AREA

Pahrnagat Valley is located in central eastern Nevada, approximately 45 miles west of Caliente. The basin lies in Lincoln County (Figure 1), and is within the Colorado River Hydrographic Region. Pahrnagat Valley is bounded on the west by the Mount Irish and Pahrnagat Ranges, on the east by the South Pahroc Range, and on the north the North Pahroc Ranges. The south boundary is defined by a series of hills at the south end of the Pahrnagat Range that connects with the north end of the Sheep Range and Delamar Mountains.

The adjacent Nevada hydrographic basins are Tikaboo Valley - Southern Part (10-169B) to the southwest, Tikaboo Valley - Northern Part (10-169A) to the west, Coal Valley (10-171) to the northwest, Pahroc Valley (13-208) to the north, Delamar Valley (10-182) to the east, and Coyote Spring Valley (13-210) to the southeast. The exterior boundary of the Pahrnagat Valley Hydrographic Basin is as described by Designation Order 1199, issued by the Nevada State Engineer on April 20, 2009. The basin covers approximately 790 square miles.

Carbonate rocks in the basin discharge a substantial amount of groundwater. Most of this perennial discharge occurs at Hiko, Crystal, and Ash Springs, where water is collected via ditches mainly for irrigation and stock watering purposes, and then allowed to drain to wetland areas as well as Pahrnagat (Upper and Lower), Frenchy, and Nesbitt lakes (Figure 1). The U.S. Geological Survey (USGS) operates streamflow gaging stations on Crystal and Ash Springs.

GROUNDWATER LEVELS

Depths to groundwater in Pahrnagat Valley have been measured by NDWR semi-consistently since the mid 1960's and then consistently since the mid 1980's. Data for actively monitored well sites (Figure 2) can be found on NDWR's website at <http://water.nv.gov/WaterLevelData.aspx>, or via the Nevada Hydrology Data Mapping Application, accessible at <http://water.nv.gov/mapping.aspx>. Groundwater level data are also collected by the U.S. Geological Survey (USGS) and may be accessed through their website at <https://waterdata.usgs.gov/nv/nwis/gw>.

METHODS TO ESTIMATE PUMPAGE

One of the purposes of this report is to estimate the amount of groundwater pumped under vested claims, permits and certificates issued by the State Engineer, as well as the amount pumped by exempt domestic wells in the valley. Table 1 and Figure 3 show historical pumpage by manner of use; Figure 4 shows the percentage of water pumped by manner of use; and Figure 5 compares groundwater commitments and estimated pumpage by manner of use. The following methods were used to arrive at the estimated use:

- Where totalizing meters were in place, meter readings were taken and compared with previous data (if available).
- Where meters were not in place and the use was irrigation, pumpage was estimated by multiplying the number of hours the well was operated during the past year (determined from an hour meter reading or asking the water user) by the certificated diversion rate.
- Where there were no flow meters or other reliable options for estimating pumpage and the use was irrigation, pumpage was estimated by dividing the Net Irrigation Water Requirement (NIWR) for the crop grown by the efficiency of the irrigation method used, then multiplying by the number of acres irrigated. Irrigation efficiencies associated with three types of irrigation methods are pivot at 85%, wheel line or other hand moved sprinklers at 75%, and flood at 60%. The pumpage amount estimated by this method was limited by the duty of the permit. For places where the groundwater rights were supplemental to surface water, groundwater use was estimated using the NIWR method above, but adjusted based on available surface water for the year. Evapotranspiration and NIWR data by basin can be found on the NDWR website at: <http://water.nv.gov/Evapotranspiration.aspx>.
- Where meters were not present, previous data were not available, and the manner of use was not irrigation, pumpage was estimated by applying the annual duty associated with the certificate (if the water right was perfected), permit or claim, if the use was as described in the certificate, permit or claim. If the use was not as described in the certificate, permit or claim, a value was estimated based upon the circumstances of use for the subject year.
- Exempt domestic wells may be drilled and utilized where water service from a purveyor is not available. These types of wells do not require a permit from the State Engineer if they do not pump more than 2 acre-feet per year as provided by Nevada Revised Statutes (NRS) [534.180](#). [NRS 534.013](#) defines this category of domestic use as follows: *“Domestic use or domestic purposes extends to culinary and household purposes directly related to a single family dwelling, including, without limitation, the watering of a family garden and lawn and the watering of livestock and any other domestic animals or household pets.”* The number of exempt domestic wells in the basin was determined by a query of the NDWR Well Log Database. The amount of water pumped by exempt domestic wells is estimated to be 1 acre-foot per well in Pahrangat Valley, or 125 acre-feet.

TABLES

Table 1. Pahranaagat Valley historical pumpage (acre-feet) by water year.

YEAR	COM	DOM	IRR	MUN	QM	STK	WLD	TOTAL
2016	44	119	4,672	290	3	12	72	5,212
2017	42	121	4,290	283	2	12	68	4,818
2018	40	120	4,082	303	3	12	0	4,560
2019	36	120	4,277	283	2	22	0	4,740
2020	43	125	3,883	292	2	22	7	4,374

FIGURES

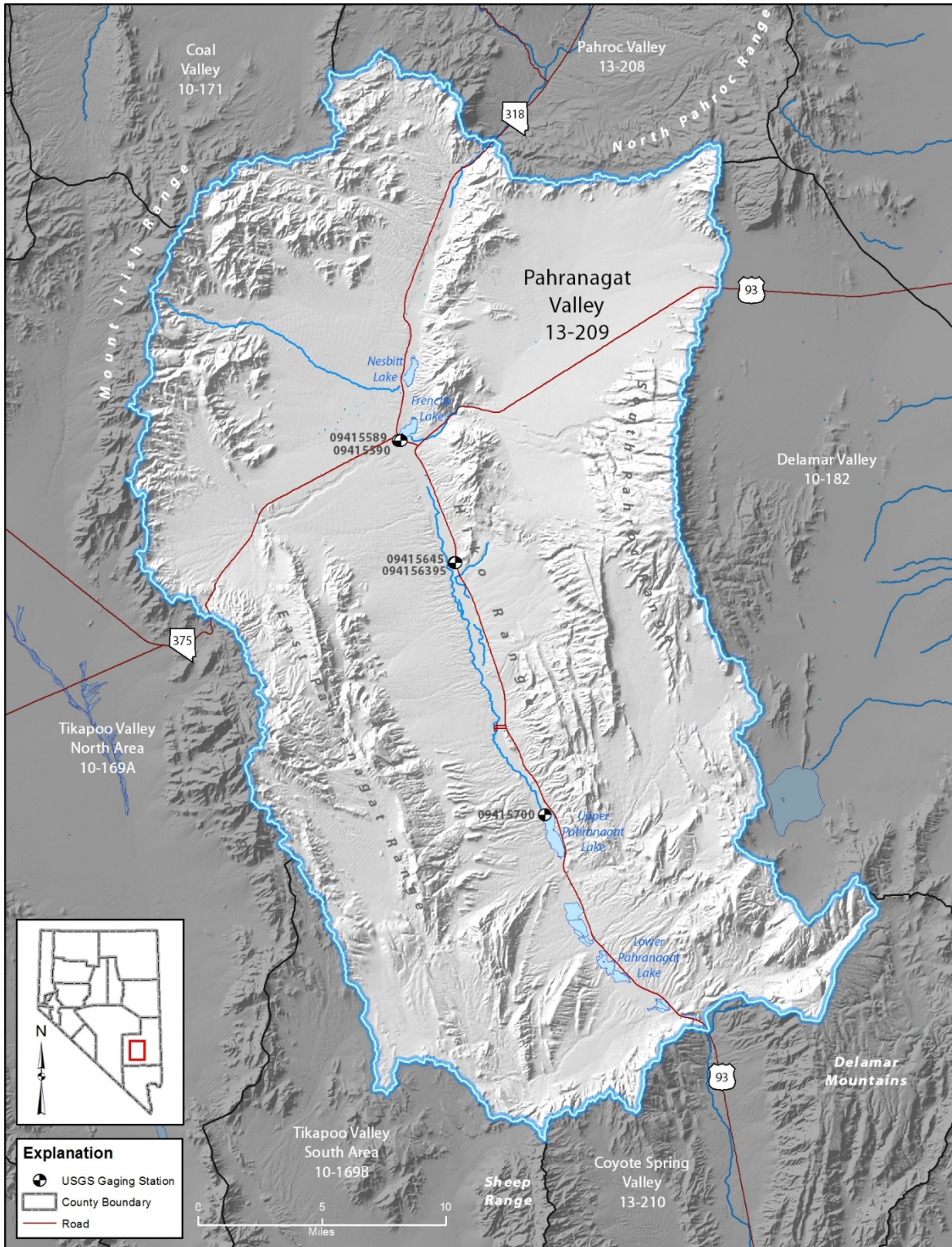


Figure 1. Physiographic map of Pahrnagat Valley (Hydrographic Basin 13-209).



Figure 2. Pahranaagat Valley groundwater level measurement sites.

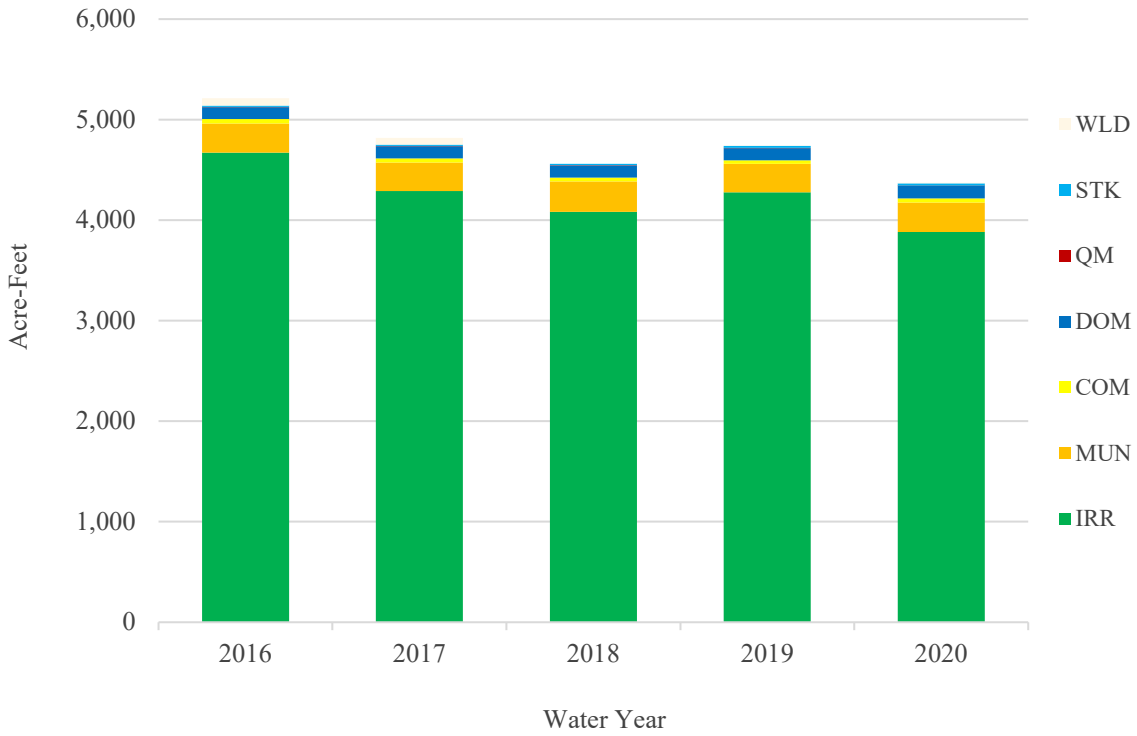


Figure 3. Pahrnagat Valley historical pumpage by manner of use.

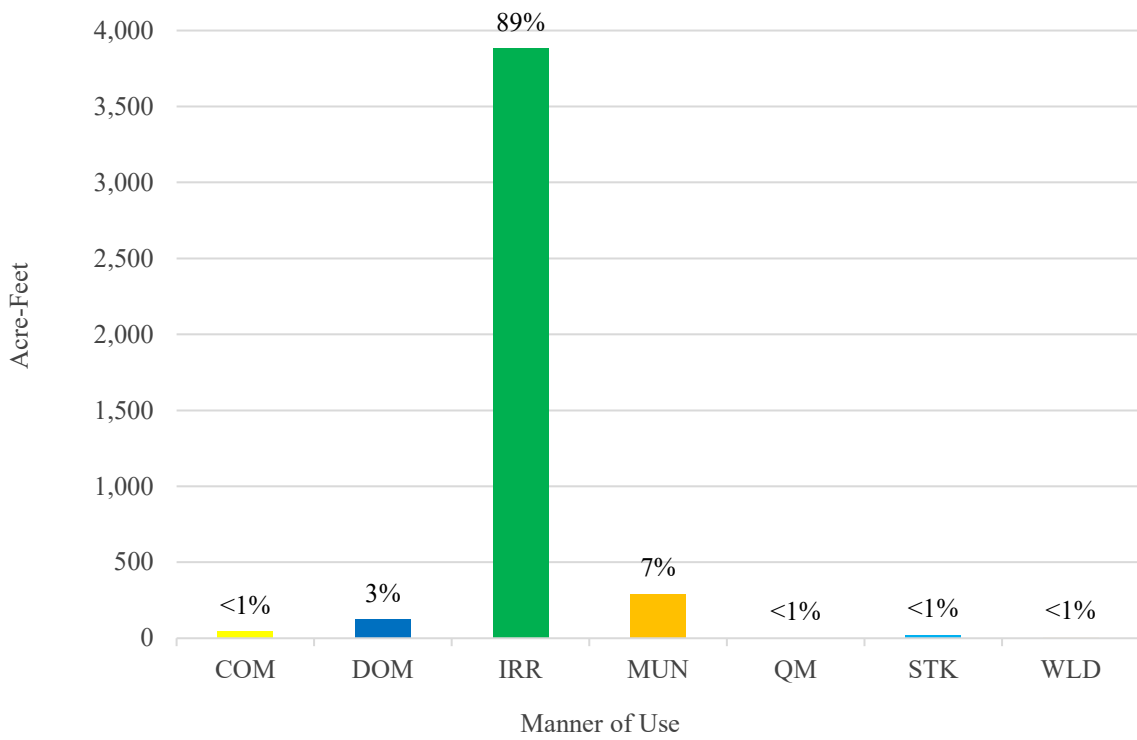


Figure 4. Percentage of 2020 groundwater pumpage by manner of use.

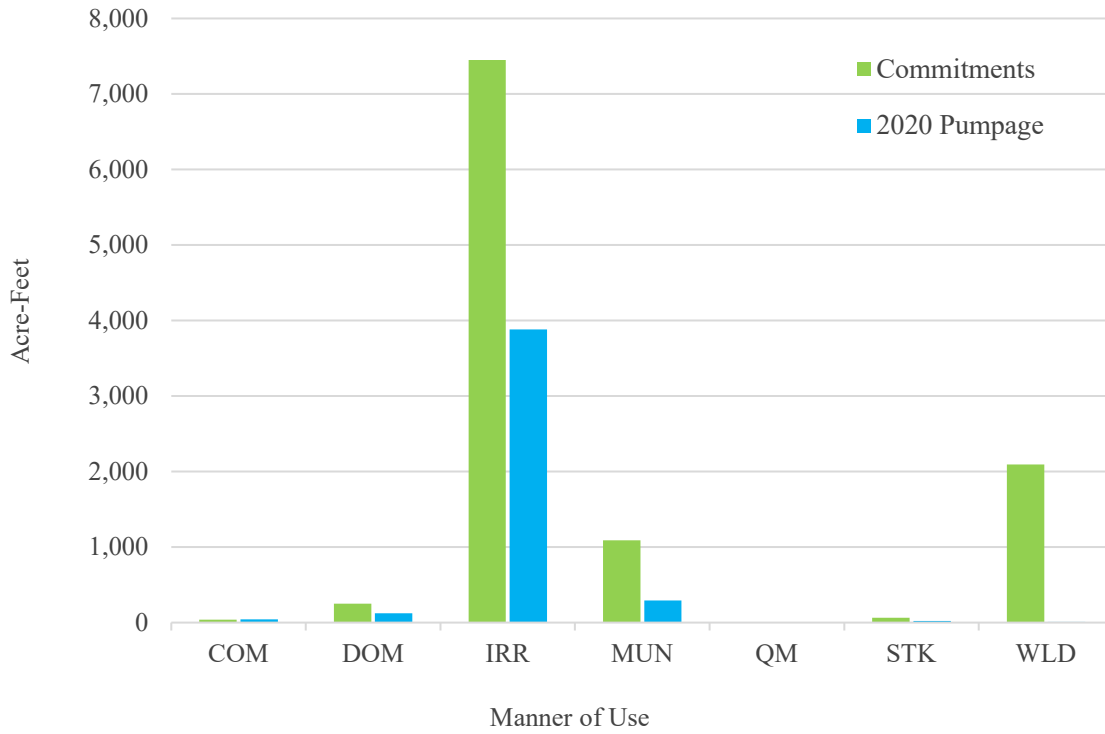


Figure 5. Comparison between 2020 groundwater commitments and estimated pumpage.

**APPENDIX A. PAHRANAGAT VALLEY 2020 GROUNDWATER PUMPAGE BY
APPLICATION NUMBER**

EXPLANATION OF COLUMN HEADINGS FOR GROUNDWATER PUMPAGE INVENTORY

APP NUMBER	The file number of the Application or the Vested Claim of Right.		
STATUS	Indicates if the application is a Vested Claim of Right (VST), Permit (Permit), Certificate (Cert), Cancelled (Can), Abrogated (Abr), Expired (Exp), Forfeited (For), or Relinquished (REL).		
OWNER OF RECORD	The owner of the water right as recorded in the files of the State Engineer. A water right may have more than one owner of record.		
PLACE OF USE			
QQ	The quarter quarter of the Section in which the place of use and/or point of diversion is located.		
Qtr	The quarter of the Section in which the place of use and/or point of diversion is located.		
Sec	The Section in which the place of use and/or point of diversion is located.		
T	The Township in which the place of use and/or point of diversion is located.		
R	The Range in which the place of use and/or point of diversion is located.		
ACRES OR DUTY	The number of acres that are permitted to be irrigated or the duty if the manner of use is anything other than irrigation.		
ACRES IRR OR USE	The number of acres irrigated or the manner of use of the appropriated water. The types of manner of use may include:		
	COM - Commercial	CON - Construction	DOM - Domestic
	ENV - Environmental	IND - Industrial	IRR - Irrigation
	MM - Mining & Milling	MUN - Municipal	OTH - Other
	PWR - Power	QM - Quasi-Municipal	REC - Recreation
	STK - Stockwater	STO - Storage	WLD - Wildlife
USED (AF)	The amount of water used during the water year, in acre-feet, as determined by review of records and/or field investigation.		
REMARKS	Notes pertaining to field investigation and/or review of records.		

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)	
			QQ	Qtr	Sec	T	R				
V03154	Vst.	Floyd Lamb	NW	SE	24	8	61	11.88	STK	0.00 WNV, actual source TBD	
V03155	Vst.	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	0.00 WNV, actual source TBD	
V03160	Vst.	Buckhorn Ranch	NW	SE	24	8	61	11.88	STK	0.00 WNV, actual source TBD	
V03161	Vst.	Floyd Lamb	SE	SE	32	8	62	11.88	STK	0.00 WNV, actual source TBD	
V08964	Vst.	Robinson, Elwyn	NE	SE	21	7	61	0.68	STK	0.00 WNV, actual source TBD	
12898	Cert.	Alamo Water&Sewer			1	6	60	1089.10	MUN	292.23 <u>POD 12898: S/N 822412 Well 5</u>	
30161	Abr.				12						RD - 3618180 - 10/16/20, well not in use
30162	Permit				6	6	61				<u>POD 30161: WV, capped</u>
45908	Permit				7						<u>POD 30162: S/N 1379689 Well 3</u>
45909	Permit				18-20						RD - 09891400 - 10/16/20, well not in use
54514	Permit				29-32						<u>POD 45908: S/N 6979060 Well 6</u>
55533	Permit				1	7	60				RD - 39625000 - 10/16/20, well not in use
80337	Permit				12						<u>POD 45909: S/N 9661116 Well 4</u>
81758	Permit				4-9	7	61				RD - (1)4715900 - 10/18/19
					16-17						RD - (2)22145700 - 10/16/20
					21-22						<u>POD 54514: S/N 0004453 Well 1</u>
				27-28			RD - 39396000 - 10/16/20, well not in use				
				34-35			<u>POD 55533: S/N 9867636 Well 2</u>				
				2	8	61	RD - 58734400 - 10/16/20, well not in use				
				3			<u>POD 80337: S/N M165932612 Sandhill</u>				
				10			RD - 000515210000 - 10/18/19				
				11			RD - 000602743400 - 10/16/20				
							<u>POD 81758: S/N M165922612</u>				
							RD - 000091273100 - 10/18/19				
							RD - 000091273100 - 10/16/20				

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)
			QQ	Qtr	Sec	T	R			
19475	Cert.	Schofield	NE	NE	34	4	60	4.50	0.00	1.00 Domestic Use, 3 cows 10/23/20
			SE	NE				<u>10.20</u>	<u>0.00</u>	
			TOTAL					14.70	0.00	
25906	Cert.	NDOW	NE	SE	22	4	60	1.70		25906 is limited to 405 AF/Yr 25907 (WLD) is limited to what well can produce, not to exceed diversion rate expanded for 184 days per year, being 405.1 AF/Yr 25913 is limited to 270 AF/Yr POU Frency & Nesbitt Lakes Key Pittman Wildlife Management Area 150.06 <u>see field sheet for meter readings</u>
25907	Cert.		SE	SE				3.20		
25913	Cert.		NE	SW	23			23.90		
			NW	SW				30.10		
			SW	SW				39.70		
			SE	SW				9.10		
			NW	NW	26			15.70		
		NE	NW				<u>0.60</u>			
		TOTAL					124.00	124.00		
26638	Cert.	Turley, Haymore, Meldrum, Casaneda, Stewart	SW	SE	8	7	61	10.00	0.00	Well used for 81252-T RD - 548324 * 0.001 AF - 10/12/18 RD - 663179 * 0.001 AF - 10/11/19 130.73 RD - 796054 * 0.001 AF - 10/16/20 Irrigated with surface water. Well in use 25% of time
81252-T	Exp.		NW	NE	17			40.00	7.30	
			NE	NE				40.00	9.00	
			SE	NE				<u>40.00</u>	<u>7.30</u>	
			TOTAL					130.00	23.60	
28296	Cert.	Gifford			32	6	61	29.85	7.46	49.75 Flood, Pasture grass, NIWR = 4.0

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)	
			QQ	Qtr	Sec	T R				
32354	Cert.	Hiko Properties, LLC	SE	SW	11	4 60	12.44	9.50	<u>POD 72770 & 72772 (South Well):S/N 140142406</u>	
35054	Cert.	Whipple	SW	SW	11		8.89	7.03	RD - (3)72390500 - 10/11/19	
35055	Cert.	Whipple	NW	NW	14		15.66	15.66	RD - (4)53904800 - 10/23/20	
70990	Permit	Hiko Properties, LLC	NE	NW	14		35.60	35.60	<u>POD 35055 (Middle Well):S/N 997453-04</u>	
72770	Permit	Hiko Properties, LLC	SW	NW	14		7.32	7.32	RD - (4)21730800 - 10/11/19	
72771	Permit	Hiko Properties, LLC	SE	NW	14		18.22	18.22	RD - (4)21730800 - 10/23/20	
72772	Permit	Hiko Properties, LLC	SW	NE	14		<u>1.67</u>	<u>1.67</u>	2020 = 2019 pumpage, see field notes <u>POD 32354, 35054 & 72771 (North Well):</u> SN 2007095306 RD - 398270000 - 10/11/19 RD - 415433000 - 10/23/20	
			TOTAL					99.80	95.00	599.41 <u>POD 70990 WV, equipped, not in use, no meter</u>
35453	Cert.	Joe & Evelyn Higbee	NW	SW	32	6 61	8.00	8.00		
			NE	SW	32		<u>20.00</u>	<u>20.00</u>	Irrigated with surface water.	
			TOTAL					28.00	28.00	70.00 Credited duty 2.5 Ac-Ft/Ac
35739	Cert.	Charles Wadsworth	NE	NW	23	4 60	20.00	20.00		
			NW	NW	23		<u>9.00</u>	<u>9.00</u>		
			TOTAL					29.00	29.00	0.00 Irrigated with surface water.
45759	Cert.	Barlow Trust, etc.	NW	NE	21	7 61	27.41	17.50		
52013	Cert.		NE	NE			7.29	0.00		
			SW	NE			14.68	7.25	RD - 705047 * 0.001 AF - 10/18/18	
			SE	NE			<u>38.11</u>	<u>19.11</u>	RD - 846426 * 0.001 AF - 10/11/19	
			TOTAL					87.49	43.86	147.54 RD - 996395 * 0.001 AF - 10/16/20
45761	Cert.	LDS Church	SE	SE	17	7 62	2.24	STK	2.24 No field sheet, several head of cattle, no meter	

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE					ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)
			QQ	Qtr	Sec	T	R			
48333	Cert.	Phyllis Frias Management Trust	SW	NE	32	6	61	10.90	8.00	22.92 S/N 60931321 - RD 14407200 gal 10/11/19 RD - 21997900 gal 10/16/20
78099	Cert.		Phyllis Frias Management Trust					13.00	COM	
48913	Cert.	Spencer	SW	SE	30	6	61	3.45	3.45	9.54 See field sheet for mtr readings Permitted Duty 17.25 Ac-Ft/Yr
53698	Cert.	Lange	NW	NE	31	6	61	5.00	5.00	21.54 S/N 62254796 RD - (1)44743000 - 10/11/19 RD - (1)51878300 - 10/16/20 Permitted Duty = 25.00 AFA
55918	Permit	Whipple	NE	SE	18	6	61	20.00	7.00	80.51 Based on mtr reading, see field sheet
			NW	SE	18			20.00	2.00	
			SE	SE	18			20.00	7.00	
			SW	SE	18			<u>20.00</u>	<u>7.00</u>	
			TOTAL					80.00	23.00	
55919	Permit	Whipple	NW	SW	18	6	61			0.00 see field sheet, WNV
			NE	SW	18					
			SE	SW	18					
			TOTAL					24.60	0.00	
55920	Permit	Whipple	NE	SE	19	6	61	<u>30.40</u>		1.07 Based on mtr reading, see field sheet
								30.40	0.00	
56364	Cert.	Lewis	NE	SW	16	7	61	7.97	7.50	7.5 acres NE SW supplemental 22.35 to decree water @2.5 ac-ft/ac
			NW	SE				<u>1.91</u>	<u>1.44</u>	
								9.88	8.94	

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

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			QQ	Qtr	Sec	T	R			
59308	Cert.	LDS Church	NE	NW	10	5	60	7.86	STK	7.86 No field sheet, several head of cattle, no meter
61880	For.	Wilkinson	NE	SW	16	7	61	1.10	0.00	0.00
62439	Permit	USFWS			2	8	61			62439 is limited to 960.94 Ac-Ft
62440	Permit		10							62440 is limited to 723.8 Ac-Ft
			11							<u>Max 4 Ac-Ft/Yr from all sources</u>
			14							<u>POD 62439: S/N 94416215 Well 2/ North well</u>
			15							RD - (1)20471400 - 10/18/18
			23							RD - (1)20471400 - 10/17/19
			24							RD - (1)21203500 - 10/15/20
			25							<u>POD 62440: S/N 133159 Well 1/ South well</u>
			31	8	62					RD - 95967000 - 10/18/18
			32							RD - 95967000 - 10/17/19
		4	9	62					RD - 97502600 - 10/15/20	
		5							56,341 gallons used for scheduled burns from	
		TOTAL							WLD	7.15 well 1 stand tank line that bypasses meter
62864	Cert.	C4 Holding, LLC	NE	NE	34	4	60	16.52	16.52	82.60 High managed pasture grass, NIWR = 4.0
68334	Cert.									Wheel line
88750	Permit									POD 68334 & 88750: no meter
88751	Permit									POD 62864 & 88751, WNV Total Combined Duty NTE 82.6 Ac-Ft/Yr
63238	Cert.	Givers Gain LLC	NE	NE	31	6	61	19.04	COM	22.93 <u>POD 63238: S/N 9812822</u>
67699	Cert.	Leadership Poss.	SE	NE						RD - 77374400 - 10/11/19
			NW	NW	32					RD - 81632300 - 10/16/20
			SW	NW						<u>POD 67699: S/N 58024425</u>
										RD - 50674500 - 10/11/19
										RD - 54010800 - 10/16/20

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)
			QQ	Qtr	Sec	T R			
67150	Cert.	USFWS	SE	NE	10	8 61	0.92	QM	1.75 S/N 2315002, in R.O. House RD - 2540110 - 10/18/18 RD - 3095940 - 10/03/19
			NE	SE					
			SW	NW	11				
			NW	SW					
68412 78844	Cert. Permit	Windmill Ridge, LLC	SE	SW	06	6 61	7.15	COM	5.21 S/N 49440233 RD - (1)8578910 - 10/11/19 RD - (2)0305100 - 10/16/20
70505	Cert.	Davis, Mike	SW	NW	23	4 60	1.37	1.37	8.70 See field sheet for mtr readings overpumping, Duty = 6.85
70509	Cert.	Johnston	NW	SE	15	4 61	2.24	STK	2.24 No field sheet, several head of cattle, no meter
74652	Cert.	Jensen	SE	NW	16	7 61	1.08	0.50	1.08 See field sheet for mtr readings Permitted Duty 4.32 Ac-Ft/Yr
74653	Cert.	Jensen	NW	NW	16	7 61	1.54	1.54	Sprinkler, pasture grass, NIWR = 3.1
			NE	NE	17		<u>1.46</u>	<u>1.46</u>	
			TOTAL				3.00	3.00	
78582	Cert.	Jensen	NW	NW	16	7 61			0.31 S/N 44788921; 2020 pumpage = 2019 pumpage RD - 0651810 - 10/11/19 RD - 0651810 - 10/16/20; Broken meter
			NE	NE	17		1.12	QM	
78891	Permit	Prince	N2	SW	16	7 61	5.00	1.47	0.92 See field sheet for mtr readings

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)	
			QQ	Qtr	Sec	T R				
79034	Cert.	Hiko Farms LLC	SE	SE	13	3	60			
79035	Cert.	Hiko Farms LLC	SW	SE						
			NE	NE	24					
			NW	NE				See field sheet for mtr readings		
			TOTAL				25.32	25.32	21.62 TCD NTE = 126.6 AFA	
79132	Permit	Whipple Trust	NE	NW	18	6	61			
80873-T	Exp.		NW	NE						
			SW	NE						
			NW	SE						
			NE	SE						
			TOTAL				54.20	25.40	102.30 See field sheet for mtr readings	
79197	Permit	Castaneda, Verona	NW	NE	17	7	61	0.83	0.00	
			NE	NE				<u>8.55</u>	<u>5.45</u>	
			TOTAL					9.38	5.45	Flood, pasture grass, NIWR = 3.1
										28.16 Permitted Duty 37.52 Ac-Ft/Yr
79484	Cert.	Hiko Hay and	SE	SE	13	3	60	300.28	300.28	<u>POD 79484 & 79485 (well 5):S/N 1110588</u>
79485	Cert.	Cattle, LLC	SW	SW	18	3	61			RD - (1)971358 X 0.001 AF - 10/11/19
80627	Abr.		W2	NW	19					RD - (2)244362 X 0.001 AF - 10/23/20
80628	Abr.		NW	SW	19					<u>POD 80627, 81873 & 81874 (well 6):S/N 11106310</u>
81872	Cert.			SE	24	3	60			RD - (5)063959 X 0.001 AF - 10/11/19
81873	Cert.			NE	24					RD - (5)655128 X 0.001 AF - 10/23/20
81874	Cert.			NE	25					<u>POD 80628, 81874 & 81875 (well 7): S/N 1110628</u>
81875	Cert.									RD - (3)150829 X 0.001 AF - 10/11/19
79486	Cert.		E2	SE	35	3	60			RD - (3)658572 X 0.001 AF - 10/23/20
79487	Cert.		W2	SW	36					<u>POD 79486 & 79487(well 4):S/N GP11106010</u>
79488	Cert.		W2	NW	1	4	60			RD - (5)052922 X 0.001 AF - 10/11/19
79489	Abr.		NW	SW	1					RD - (5)134361 X 0.001 AF - 10/23/20

**GROUNDWATER PUMPAGE INVENTORY
PAHRANAGAT VALLEY, NO. 209 - 2020**

APP NUMBER	STATUS	OWNER OF RECORD	PLACE OF USE				ACRES OR DUTY	ACRES IRR OR USE	USED REMARKS (A/F)
			QQ	Qtr	Sec	T R			
79490	Cert.	Hiko Hay and	SW	SW	1			<u>POD 79488 (well 3): S/N GP1110598</u>	
81869	Cert.	Cattle, LLC	E2	NE	2			RD - (2)371439 X 0.001 AF - 10/11/19	
81870	Cert.	Continued	SW	NE	2			RD - (2)657361 X 0.001 AF - 10/23/20	
81871	Cert.			SE	2			<u>POD 79489 & 81871 (well 2): S/N 141329510</u>	
			NE	NE	11			RD - (1)410474 X 0.001 AF - 10/11/19	
			S2	NE	11			RD - (1)410474 X 0.001 AF - 10/23/20	
			SE	NW	11			meter broken	
			NE	SW	11			2020 pumpage = 2019 pumpage	
			SE	SW	11			<u>POD 79490, 81869 & 81870 (well 1)</u>	
			NW	SE	11			S/N GP1110576	
			SW	SE	11			RD - (1)224512 X 0.001 AF - 10/11/19	
								RD - (1)286479 X 0.001 AF - 10/23/20	
			TOTAL				300.28	300.28	1847.86 Alfalfa and Corn pivots
84387	Permit	LDS Church	NW	NE	10	5 60	0.00	2.56	
84388	Permit		SE	NE	10		0.00	0.00	<u>POD 84387 (middle well) :S/N 160278906</u>
84389	Permit		SW	NE	10		0.00	20.00	RD - 642702 X 0.001 AF - 10/11/19
28642	Abr.		NE	NW	10		0.00	1.35	RD - 868695 X 0.001 AF - 10/23/20
35256	Abr.		SE	NW	10		0.00	30.00	<u>POD 84388 (little well) :S/N 160529203</u>
52120	Abr.		NW	SE	10		0.00	20.00	RD - (3)158315 X 0.0001 AF - 10/11/19
			NE	SW	10		<u>0.00</u>	<u>0.00</u>	RD - (4)281335 X 0.0001 AF - 10/23/20
			TOTAL				162.68	160.00	363.61 RD - 364266 X 0.001 AF - 10/23/20
85332	Cert.	Biggs	NE	SW	16	7 61	1.91	1.91	3.90 Permitted Duty 4.83 Ac-Ft/Yr See field sheet for mtr readings

**APPENDIX B. PAHRANAGAT VALLEY 2020 GROUNDWATER PUMPAGE FIELD
NOTES**

2020

Pahranagat Valley
No. 209

Inventory Field Notes

Compiled by:
Christi Cooper & Steven Martinez

State of Nevada
Division of Water Resources
Southern Nevada Branch Office

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 19475

WELL: YES NO

METER SER NO: 05025504

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 585557 * .0001 AF

PHOTO: YES NO

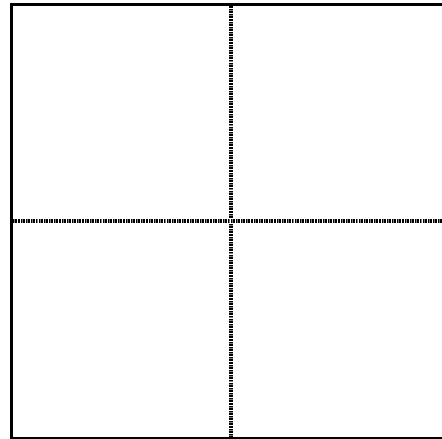
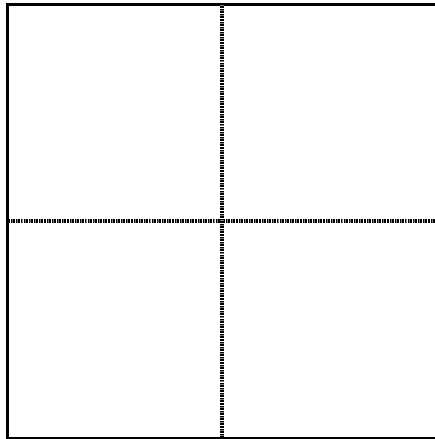
ACRES IRR: 0.0

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: House. Same meter reading as 2019. Domestic Use, 3 cows.

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 25906, 25907 & 25913

WELL: YES NO METER SER NO: _____

PUMP: YES NO PUMP TYPE: Submersible

MOTOR: YES NO MOTOR TYPE: _____

METER: YES NO METER READ: _____

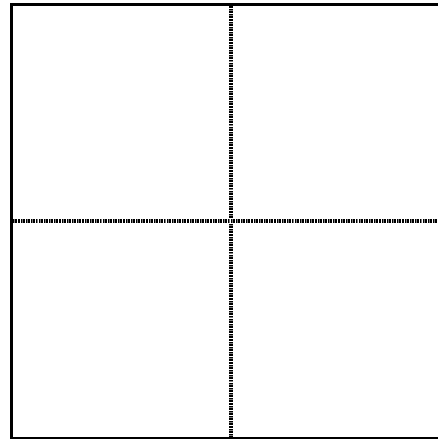
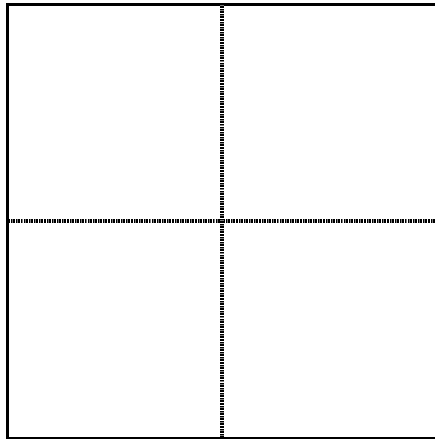
PHOTO: YES NO ACRES IRR: 124.0

BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: 2020 Pumpage = 2019 Pumpage; Property manager confirmed meter malfunction

POD 25906 & 25907 (South well): S/N 180628604; RD - 57391100 on 10/11/19; RD 60442100 on 10/23/20

POD 25913 (North well): used as back up well; S/N 180628704

RD - 04160900 gallons on 10/12/18, 10/11/19, and 10/23/20

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 26638

WELL: YES NO

METER SER NO: 13-06029-06

PUMP: YES NO

PUMP TYPE: Straight shaft

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: 796054 x 0.001 AF

PHOTO: YES NO

ACRES IRR: 23.60

BENEFICIAL USE: YES NO

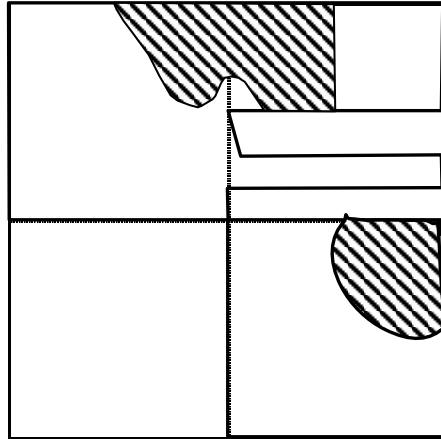
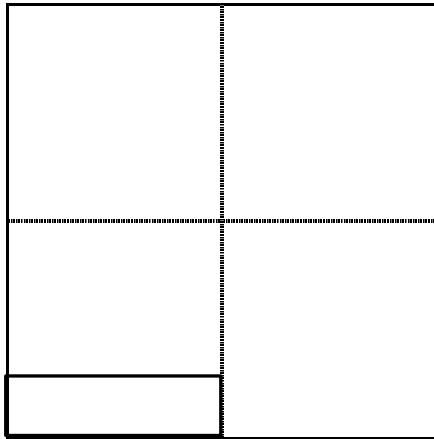
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

1/4 SE 1/4 SEC 8

1/4 NE 1/4 SEC 17



REMARKS: Acreage irrigated depicted above from well water.

Alfalfa.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 28296

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 7.46

BENEFICIAL USE: YES NO

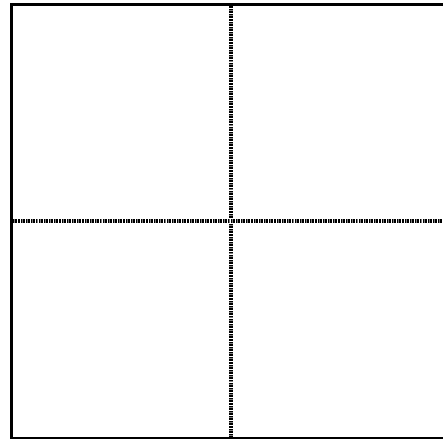
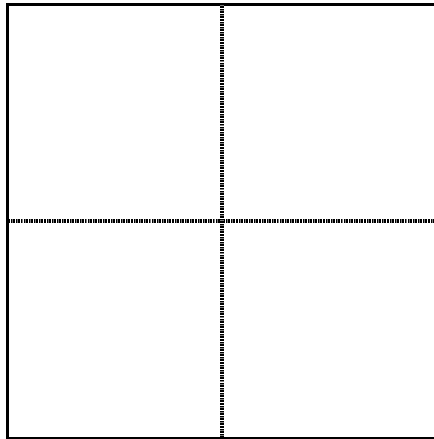
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: No meter. Well used 25% of time, surface water used to irrigate rest.

Spoke with farm caretaker.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

**32354, 35054,
35055, 70990,
72770 thru 72772**

BASIN NO: 209 PERMIT NO: _____

WELL: YES NO _____ METER SER NO: _____

PUMP: YES NO _____ PUMP TYPE: Straight shaft

MOTOR: YES NO _____ MOTOR TYPE: Electric

METER: YES NO _____ METER READ: See Remarks

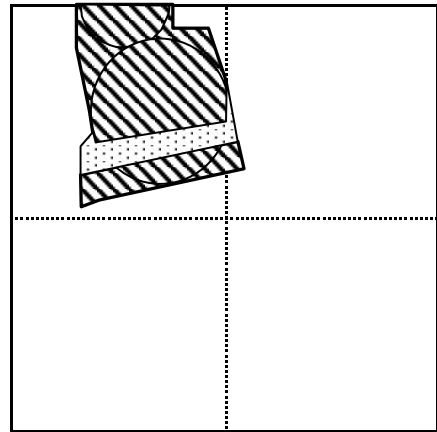
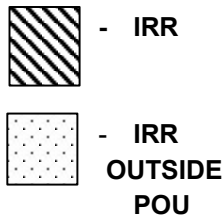
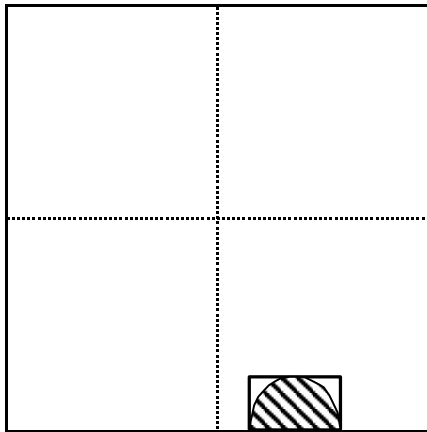
PHOTO: YES _____ NO ACRES IRR: 95.0

BENEFICIAL USE: YES NO _____ PORTION ALL _____ TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC 11

 1/4 1/4 SEC 14



REMARKS: Approximately 20 acres irrigated outside POU. Alfalfa pivots.

72770 & 72772 (South Well):SN 140142406;RD (4)53904800 - 10/23/20

POD 35055 (Middle Well):SN 997453-04;RD (4)21730800 - 10/23/20, line T's off before meter, well pumping

POD 32354 & 35054 (North Well):SN 2007095306;RD 415433000 - 10/23/20

SIGNATURE: Christi Cooper DATE: 10/23/2020

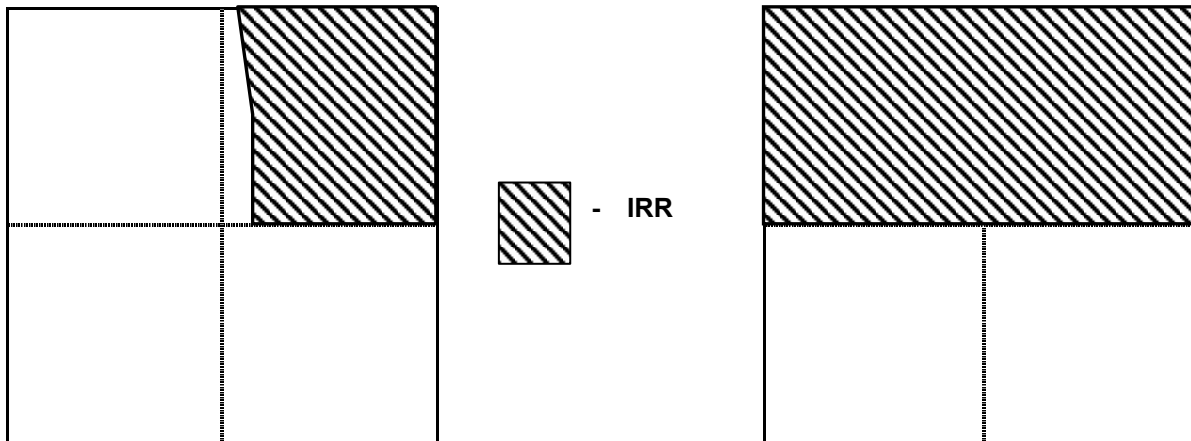
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 35453
 WELL: YES NO METER SER NO: _____
 PUMP: YES NO PUMP TYPE: Submersible
 MOTOR: YES NO MOTOR TYPE: _____
 METER: YES NO METER READ: _____
 PHOTO: YES NO ACRES IRR: 28.0
 BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NW 1/4 SW 1/4 SEC 32

NE 1/4 SW 1/4 SEC 32



REMARKS: Pasture grass. Water used to supplement surface water on a portion, cows.

Credit @ 2.5 ac-ft/ac on supplemented portion

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 35739

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Straight shaft

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 29.0

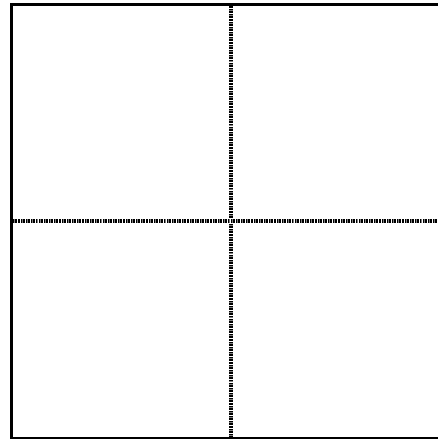
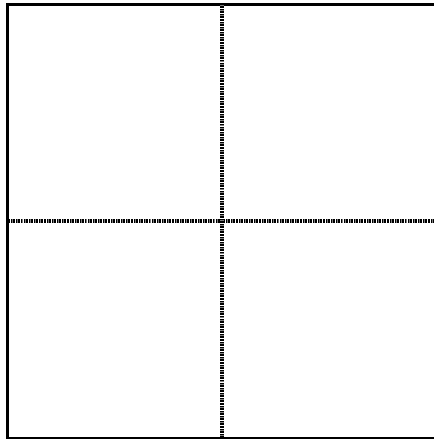
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: POU irrigated with surface water - power meter for well removed.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 45759 & 52013

WELL: YES NO

METER SER NO: 08-07757-06

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: Electric

METER: YES NO

METER READ: 996395 * .001 AF

PHOTO: YES NO

ACRES IRR: 43.86

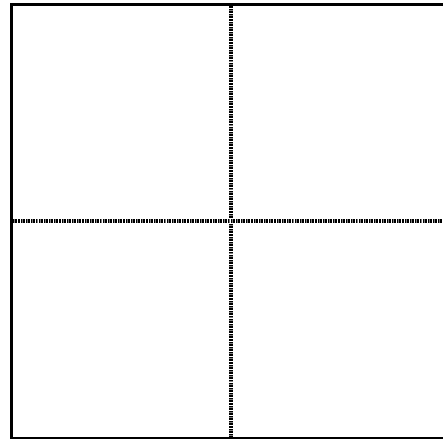
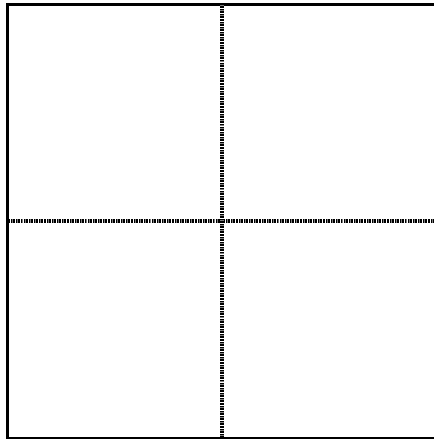
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Meter reads in acre-feet. Monitor well location.

Uncertain on acreage irrigated from surface water source.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

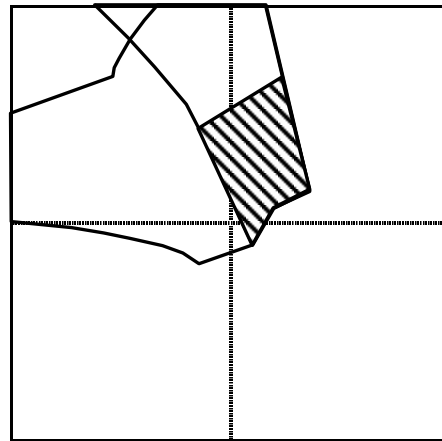
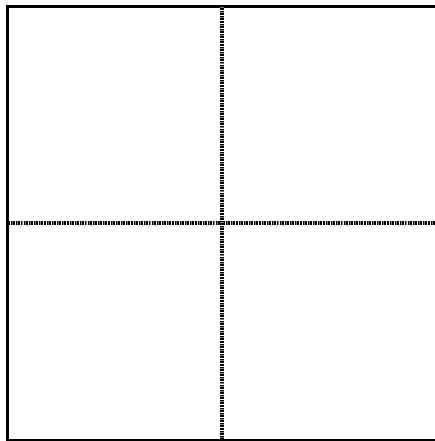
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 48333 & 78099
 WELL: YES X NO METER SER NO: see remarks
 PUMP: YES X NO PUMP TYPE: Submersible
 MOTOR: YES NO X MOTOR TYPE:
 METER: YES X NO METER READ:
 PHOTO: YES NO X ACRES IRR: 8.0
 BENEFICIAL USE: YES X NO PORTION X ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

SW 1/4 NE 1/4 SEC 32



REMARKS: Permit 48333 S/N 60931321, meter in field on hill behind big box

RD - 14407200 gal - 10/11/19; RD - 21997900 gal - 10/16/20

Permit 78009 S/N ET4BP768, meter at well down hill behind home

RD- 41834500 gal - 10/11/19; RD - 54285700 gal - 10/16/20

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 48913

WELL: YES NO

METER SER NO: 8928778

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 10388000

PHOTO: YES NO

ACRES IRR: 3.45

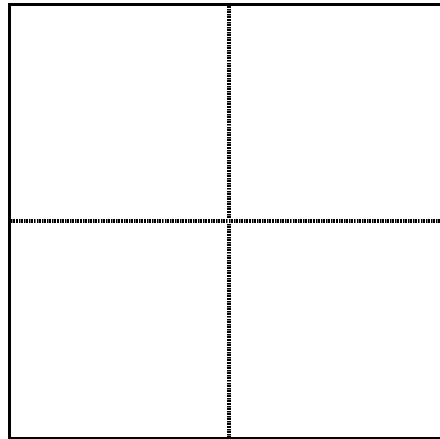
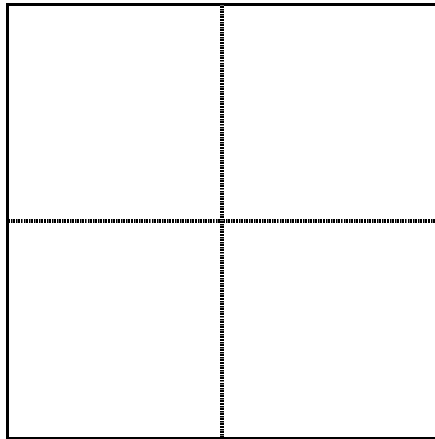
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Elster meter next to pumphouse. Grapes, pears, apples, pasture.

Master Meter S/N 8928778; RD - 03391900 gal on 10/12/18

RD - 07229400 gallons on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 53698

WELL: YES NO

METER SER NO: 62254796

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: (1)51878300

PHOTO: YES NO

ACRES IRR: 5.0

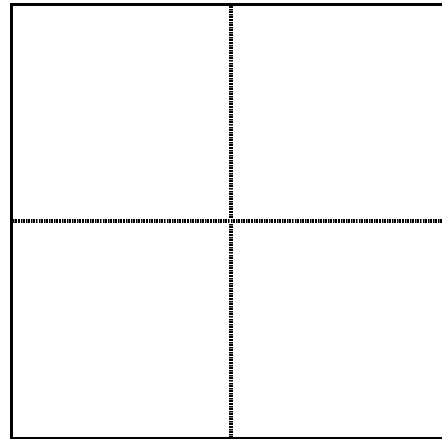
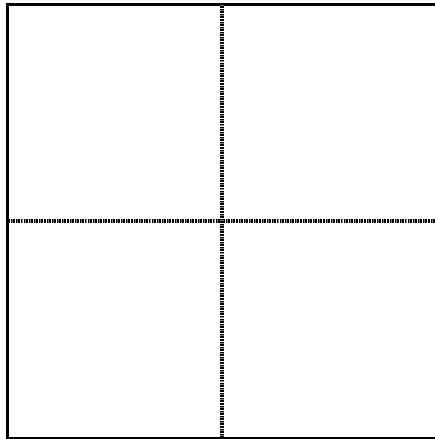
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: 5.0 acres of lawn, pasture and garden with one log home, using sprinklers.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55918

WELL: YES NO

METER SER NO: 090207704

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 0229731000

PHOTO: YES NO

ACRES IRR: 23.0

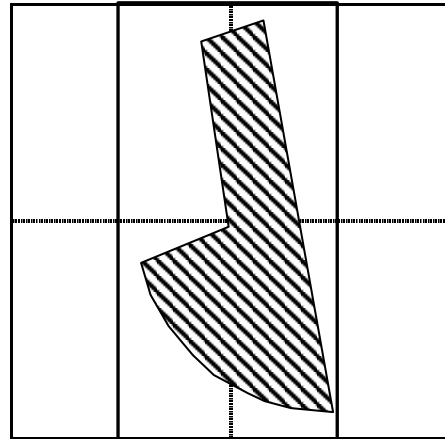
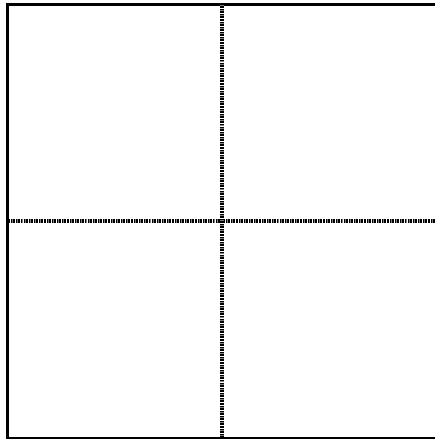
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 SE 1/4 SEC 18



REMARKS: Alfalfa and cows.

RD - 0171782000 gal on 10/20/17

RD - 0189217000 gal on 10/12/18

RD - 0203066000 gal on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 55919

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 0.0

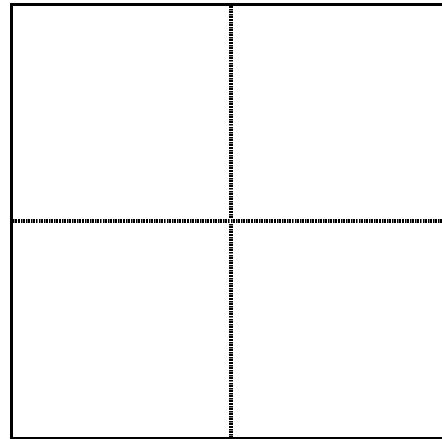
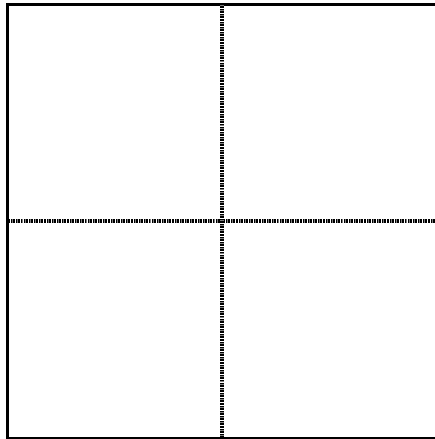
BENEFICIAL USE: YES NO

PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: WNV; well never drilled per conversation with permittee.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

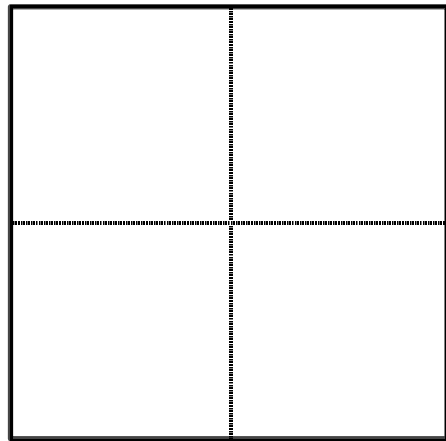
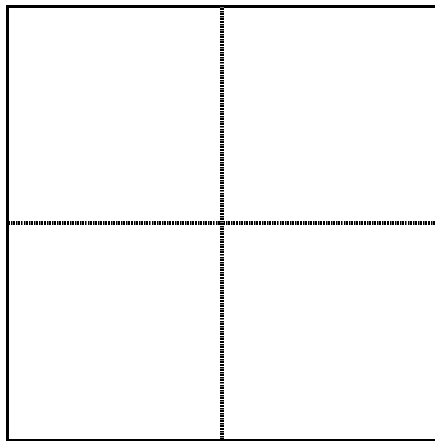
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 55920
 WELL: YES NO METER SER NO: 09-02076-04
 PUMP: YES NO PUMP TYPE: Submersible
 MOTOR: YES NO MOTOR TYPE: _____
 METER: YES NO METER READ: 0006326000
 PHOTO: YES NO ACRES IRR: 0.0
 BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

NE 1/4 SE 1/4 SEC 19



REMARKS: Hemp greenhouse not in operation.

RD - 0003313000 gal - 10/12/18;

RD - 0005973000 gal - 10/11/19;

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 59308

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: _____

BENEFICIAL USE: YES NO

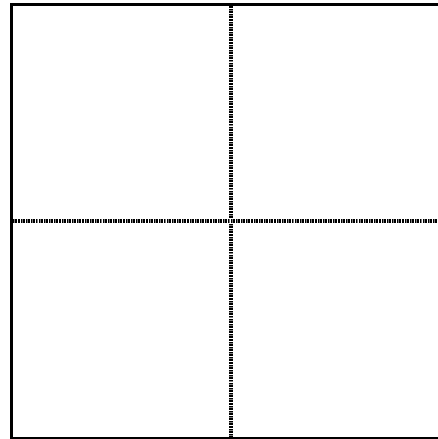
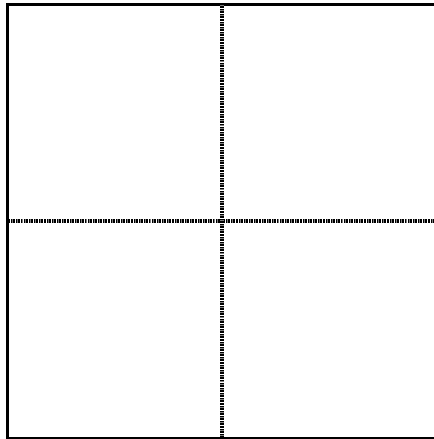
PORTION ALL

TYPE Stockwater

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Several head of cattle. No meter. Well in shed.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 61880

WELL: YES NO

METER SER NO: _____

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

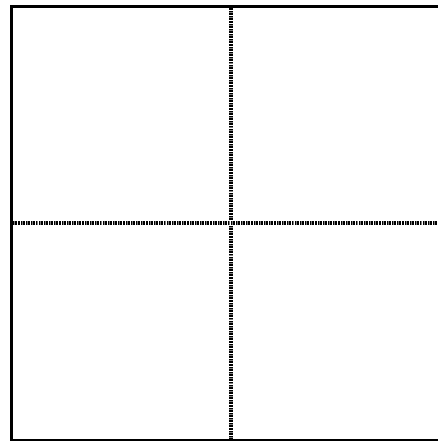
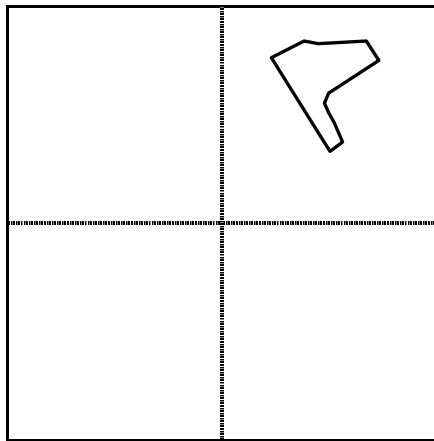
ACRES IRR: 0.00

BENEFICIAL USE: YES NO PORTION ALL TYPE _____

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 SW 1/4 SEC 16

_____ 1/2 _____ 1/4 SEC _____



REMARKS: Forfieted 09-13-13. Same POD as Permit 56364.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 62439 & 62440

WELL: YES NO

METER SER NO: See Remarks

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: See Remarks

PHOTO: YES NO

ACRES IRR: _____

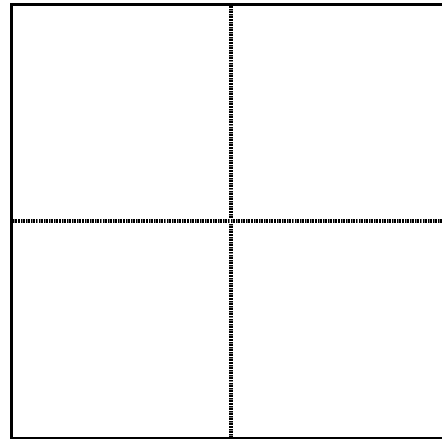
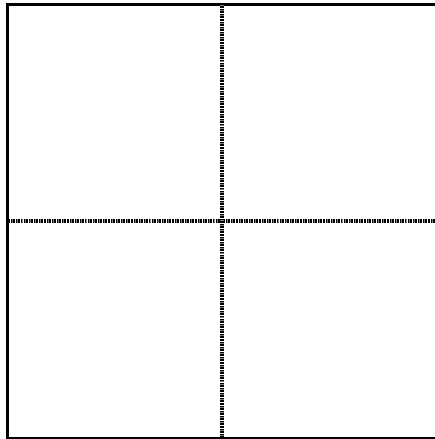
BENEFICIAL USE: YES NO

PORTION ALL TYPE Wildlife

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Trees and ponds. South well meter is approx. 50 feet east of wellhead

POD 62439 North well (well No. 2): S/N 94416215, RD- (1)21203500 -10/15/20

POD 62440 South well (well No. 1): S/N 133159, RD- 97502600 -10/17/19,

Standpipe line for water trucks bypasses meter on south well

SIGNATURE: Christi Cooper

DATE: 10/15/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 62864, 68334, 88750 & 88751

WELL: YES NO METER SER NO: _____

PUMP: YES NO PUMP TYPE: Submersible

MOTOR: YES NO MOTOR TYPE: _____

METER: YES NO METER READ: _____

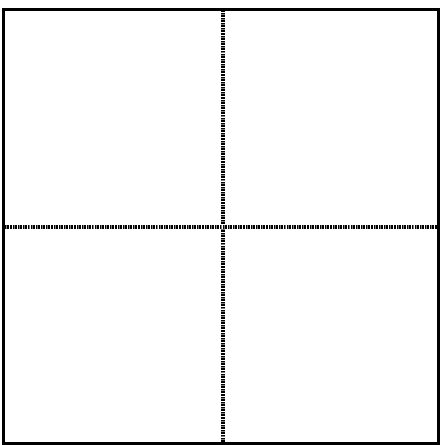
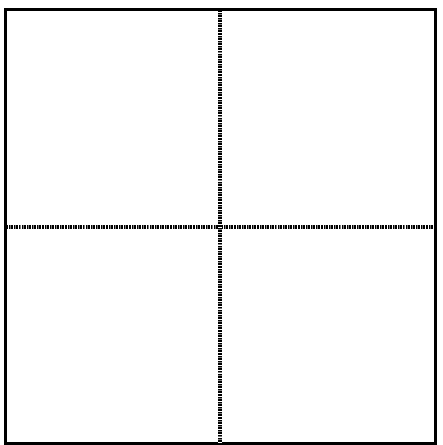
PHOTO: YES NO ACRES IRR: 16.52

BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: POD 68334 & 88750 : No meter ; POD 62864 & 88751 WNV.

High managed pasture grass, wheel line.

POD 68334 & 88750 replacement well drilled, log 131600

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 70505

WELL: YES NO

METER SER NO: 71081638

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 54096100

PHOTO: YES NO

ACRES IRR: 1.37

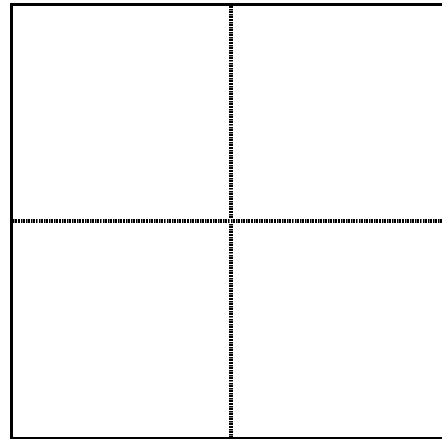
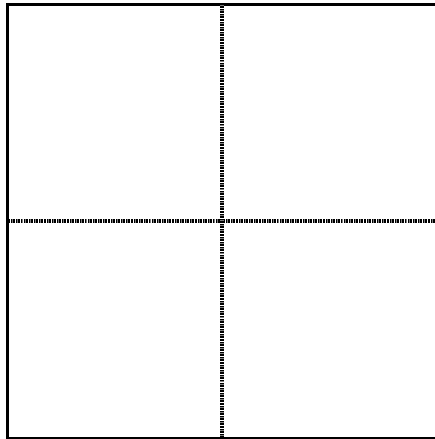
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: RD - 45285000 gal - 10/12/17; RD 48175800 gal on 10/12/18

RD - 51159900 gal on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 74652

WELL: YES NO

METER SER NO: 772352

PUMP: YES NO

PUMP TYPE: _____

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 13002500

PHOTO: YES NO

ACRES IRR: 0.5

BENEFICIAL USE: YES _____

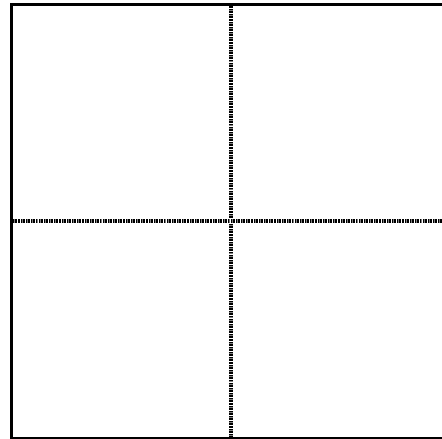
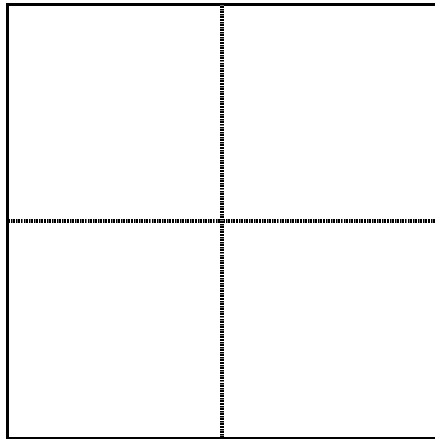
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Well east of house; Sprinklers, unmanaged pasture grass.

RD - 12646400 gal - 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/16/2020

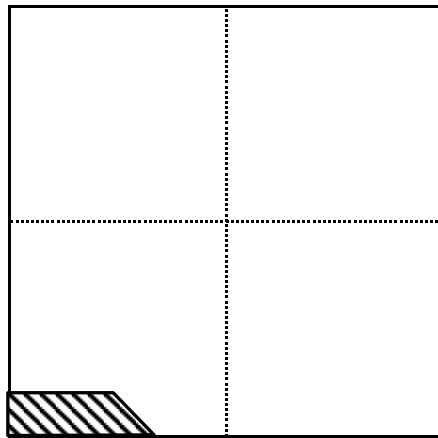
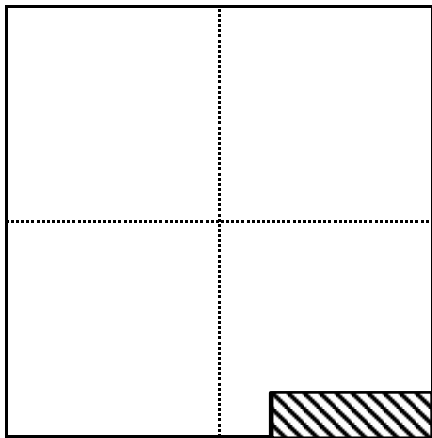
PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 74653 & 78582
 WELL: YES X NO _____ METER SER NO: see remarks
 PUMP: YES X NO _____ PUMP TYPE: _____
 MOTOR: YES _____ NO X MOTOR TYPE: _____
 METER: YES X NO _____ METER READ: _____
 PHOTO: YES _____ NO X ACRES IRR: 3.00
 BENEFICIAL USE: YES X NO _____ PORTION _____ ALL X TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

NE 1/4 NE 1/4 SEC 17

NW 1/4 NW 1/4 SEC 16



REMARKS: Well has 2 meters. POD 74653 for Irrigation POD 78582 for QM use.

POD 74653 S/N 10-005402; RD 13268900 on 10/11/19; RD 14311600 on 10/16/20

POD 74653 meter malfunction for part of water year per permittee.

POD 78582: S/N 44788921; RD 0651810 gal on 10/11/19 and 10/16/20, Broken Meter

SIGNATURE: Christie Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 78891

WELL: YES NO

METER SER NO: 47281155

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 21720300

PHOTO: YES NO

ACRES IRR: 1.47

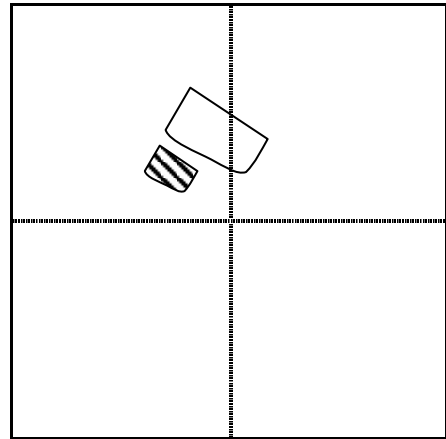
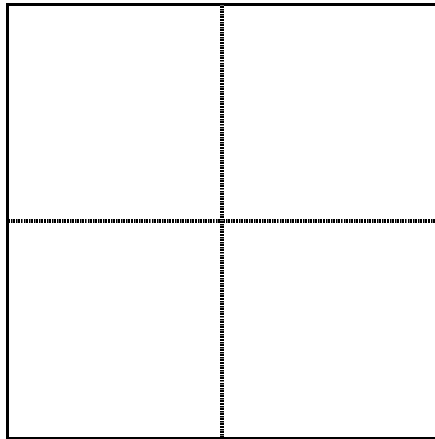
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 SW 1/4 SEC 16



REMARKS: RD - 20539000 on 10/20/16; RD - 21035600 on 10/20/17;

RD - 21283500 on 10/12/18; RD - 21414100 on 10/11/19

Alfalfa, meter in beige shed;

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79034 & 79035

WELL: YES NO

METER SER NO: 11-00769-04

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: (3)131948 * .0001 AF

PHOTO: YES NO

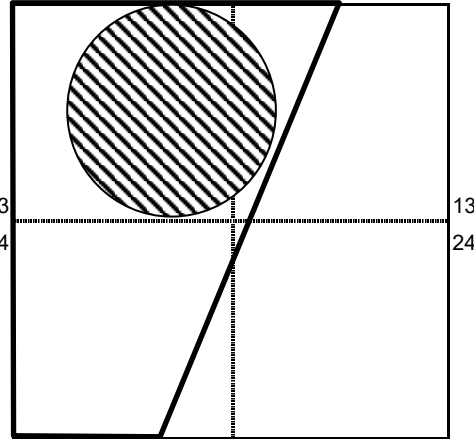
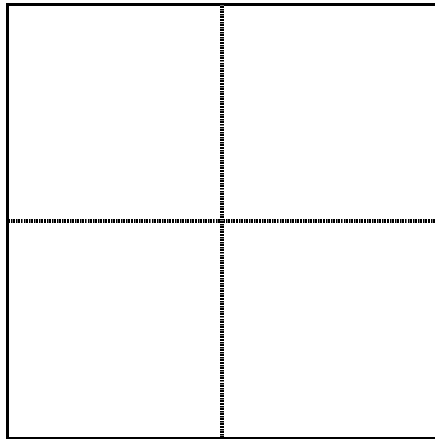
ACRES IRR: 25.32

BENEFICIAL USE: YES NO PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

S2 1/4 SE 1/4 SEC 13
N2 1/4 NE 1/4 SEC 24



REMARKS: Alfalfa pivot; Meter reads in AF X 0.0001

RD - (1)776730 on 10/12/17; RD (2)393734 on 10/12/18; RD (2)908018 on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79132 & 80873-T

WELL: YES NO

METER SER NO: 090207504

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 0316956000

PHOTO: YES NO

ACRES IRR: 25.4

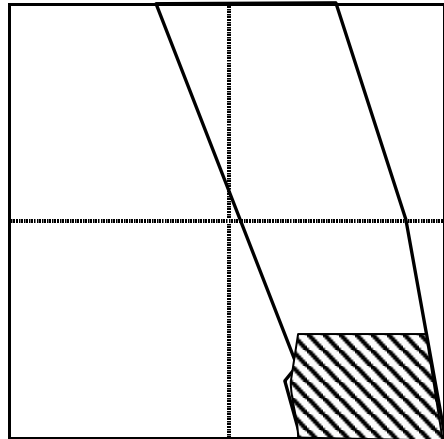
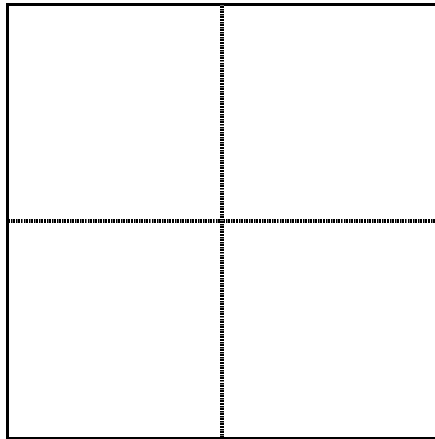
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 E 1/2 NW 1/4 SEC 18
 W 1/2 NE 1/4 SEC 18



REMARKS: RD - 0168866000 gal on 10/12/17; RD - 0245635000 on 10/12/18

RD - 0283075000 on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 79197

WELL: YES NO

METER SER NO: 09012877

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: _____

PHOTO: YES NO

ACRES IRR: 5.45

BENEFICIAL USE: YES NO

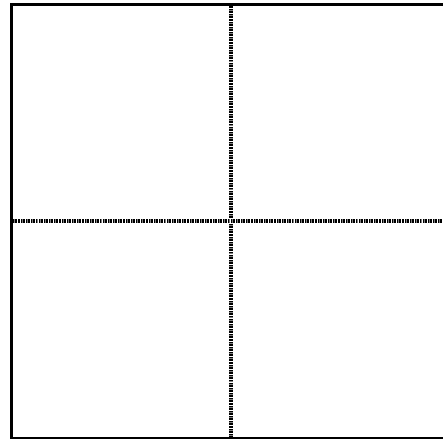
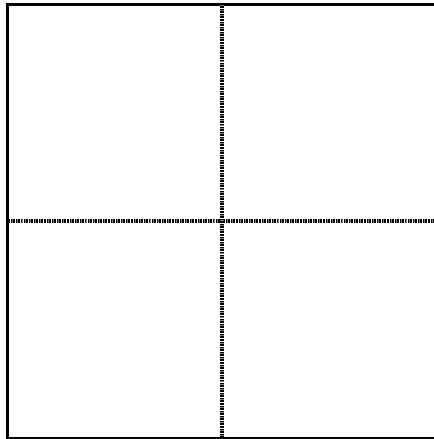
PORTION ALL

TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Meter has moisture inside face, can not read meter.

SIGNATURE: Christi Cooper

DATE: 10/16/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209 PERMIT NO: 79484, 79485, 81872, 81873, 81874 & 81875

WELL: YES X NO METER SER NO: See Remarks

PUMP: YES X NO PUMP TYPE: Straight shaft

MOTOR: YES X NO MOTOR TYPE: Electric

METER: YES X NO METER READ: See Remarks

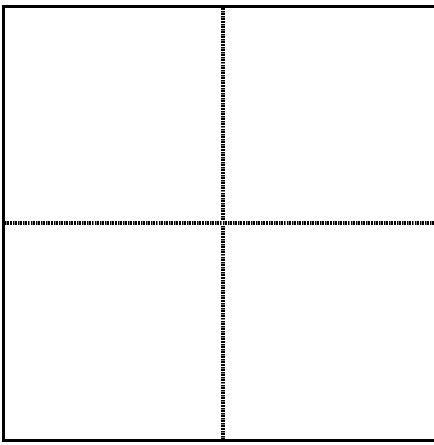
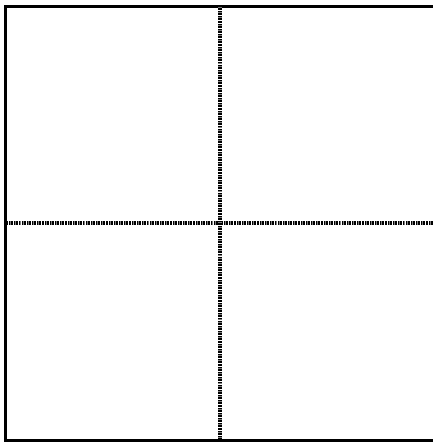
PHOTO: YES NO X ACRES IRR: 300.28

BENEFICIAL USE: YES X NO PORTION ALL X TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Alfalfa and Corn pivots

POD 80627, 81872 & 81873: S/N GP11-1063-10; RD - (5)655128 x 0.001 AF

POD 80628, 81874 & 81875: S/N GP11-1062-8; RD - (3)658572 x 0.001 AF

POD 79484 & 79485: S/N GP11-1058-8; RD - (2)244362 x 0.001 AF

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

79486, 79487, 79488
79490, 81869,
81870 & 81871

BASIN NO: 209

PERMIT NO: _____

WELL: YES NO _____

METER SER NO: See Remarks

PUMP: YES NO _____

PUMP TYPE: Straight shaft

MOTOR: YES NO _____

MOTOR TYPE: Electric

METER: YES NO _____

METER READ: See Remarks

PHOTO: YES _____ NO

ACRES IRR: see field sheet 79484

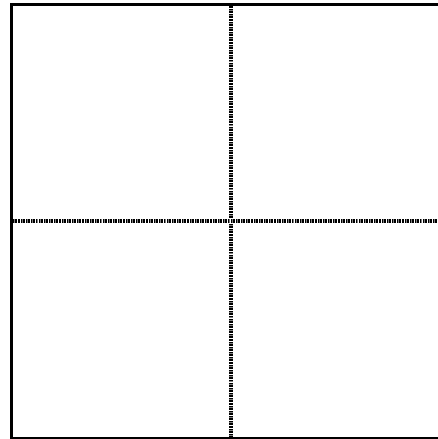
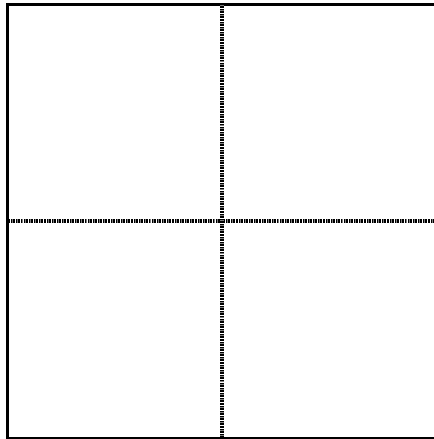
BENEFICIAL USE: YES NO _____

PORTION _____ ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

_____ 1/4 _____ 1/4 SEC _____

_____ 1/4 _____ 1/4 SEC _____



REMARKS: POD 79486 & 79487: S/N GP11-1060-10; RD -(5)134361 x 0.001 AF

POD 79488: S/N GP11-1059-8; RD - (2)657361 x 0.001 AF

POD 79489 & 81871: S/N 14-13295-10; RD - (1)410474 x 0.001 AF, mtr broken

POD 79490, 81869 & 81870: S/N GP11-1057-6; RD - (1)286479 x 0.001 AF

SIGNATURE: Christi Cooper

DATE: 10/23/2020

PUMPAGE INVENTORY FIELD REPORT

BASIN NO: 209

PERMIT NO: 85332

WELL: YES NO

METER SER NO: 70807806

PUMP: YES NO

PUMP TYPE: Submersible

MOTOR: YES NO

MOTOR TYPE: _____

METER: YES NO

METER READ: 14759200

PHOTO: YES NO

ACRES IRR: 1.9

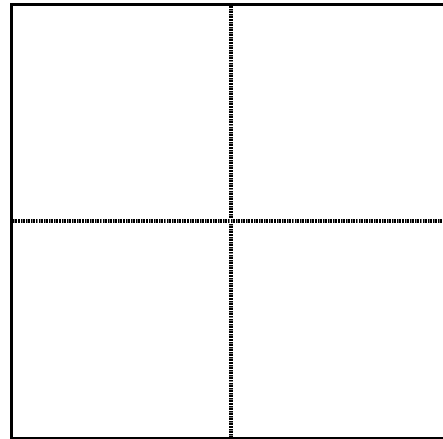
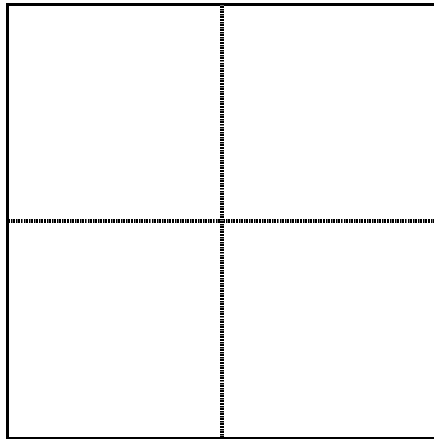
BENEFICIAL USE: YES NO

PORTION ALL TYPE Irrigation

IF PARTIAL USE, SKETCH OF LAND IRRIGATED.

 1/4 1/4 SEC

 1/4 1/4 SEC



REMARKS: Dust control for arenas, flood irrigate large pasture

sprinkler line smaller pasture

RD - 09554800 gal on 10/20/16; RD 10918200 on 10/20/17

RD - 12259000 gal on 10/12/18; RD 13468800 on 10/11/19

SIGNATURE: Christi Cooper

DATE: 10/16/2020